

**Tablica 1.1. Interno osiguravanje kvalitete**

Vrsta aktivnosti	Nositelj aktivnosti (naziv tijela ili imena osoba)	Učestalost aktivnosti (broj sastanaka ili akcija godišnje)	Broj izvješća proizašlih iz pojedine aktivnosti u posljednjih 5 godina	Praktični rezultati aktivnosti (opisno u samoanalizi)
Tematske sjednice o kvaliteti nastave	Fakultetsko vijeće/Dekan	jednom mjesečno	istovjetan broju sjednica Fakultetskog vijeća	Zapisnici Fakultetskog vijeća i odgovarajuće odluke povezane s nastavom na preddiplomskim, diplomskim, specijalističkim i doktorskim studijima, Godišnje izvješće dekana, Godišnje izvješće Povjerenstva za upravljanje kvalitetom, prijedlozi novih studijskih programa (doktorski studij Kemijsko inženjerstvo i primijenjena kemija; specijalistički studij Naftno-petrokemijsko inženjerstvo), manje izmjene i dopune preddiplomskih i diplomskih studija Fakulteta
	Dekanski kolegij	jednom tjedno	5	
	Povjerenstvo za nastavu/Prodekan za nastavu	jednom mjesečno	5	
	Povjerenstvo za upravljanje kvalitetom	po potrebi	5	
	Odbor za doktorske studije/Prodekan za znanost i međunarodnu suradnju	jednom mjesečno	5	
Rad odbora (povjerenstva) za praćenje kvalitete nastave	Povjerenstvo za nastavu/Prodekan za nastavu	jednom mjesečno	5	Godišnje izvješće dekana, Godišnje izvješće Povjerenstva za upravljanje kvalitetom, Analiza preddiplomskih i diplomskih studijskih programa, Obrasci Dr.Sc.04, Dr.Sc.05, Dr.Sc.09
	Odbor za doktorske studije/Prodekan za znanost i međunarodnu suradnju	jednom mjesečno	5	
	Povjerenstvo za upravljanje kvalitetom	po potrebi	5	
	Povjerenstvo za sustavnu recenziju studijskih programa/Prodekan za nastavu	po potrebi	2	
Studentska anketa (provođenje, obrada, obavještanje studenata, očitovanja nastavnika)	Prodekan za nastavu/Povjerenstvo za upravljanje kvalitetom	3	Pojedinačne ankete za kolegije + 10 anketa vrednovanja preddiplomskih i diplomskih studija	Rezultati studentske ankete vrednovanja nastavnika u ak. god. 2010./2011., 2011./2012., 2012./2013., 2013./2014. i 2014./2015. (zimski i ljetni semestar), rezultati ankete vrednovanja preddiplomskih i diplomskih studija od strane studenata koji su tijekom ak. god. 2010./2011., 2011./2012., 2012./2013., 2013./2014. i 2014./2015. završili studij
SWOT analiza na razini visokog učilišta	Povjerenstvo za Strategiju razvoja Fakulteta	po potrebi	1	SWOT analiza kao sastavni dio Strategije razvoja Fakulteta za razdoblje 2015. – 2020.
Praćenje pokazatelja kvalitete na visokom učilištu*	Povjerenstvo za upravljanje kvalitetom	po potrebi	5	Godišnje izvješće o osiguravanju kvalitete Povjerenstva za upravljanje kvalitetom Plan aktivnosti za osiguravanje kvalitete Povjerenstva za upravljanje kvalitetom
Ostali oblici vrednovanja	Dekan/Prodekan za znanost i međunarodnu suradnju/Povjerenstvo za nastavu	po potrebi	1	Od strane Hrvatskog inženjerskog saveza (HIS), u suradnji s European Federation of National Engineering Associations (FEANI), u ak. god. 2013./2014. provedeno vanjsko neovisno vrednovanje preddiplomskih i diplomskih studijskih programa Fakulteta, Kemijsko inženjerstvo, Kemija i inženjerstvo materijala i Ekoinženjerstvo što je rezultiralo uključivanjem ovih studijskih programa u FEANI Index listu.

\*Pravilnik o sadržaju dopusnice te uvjetima za izdavanje dopusnice za obavljanje djelatnosti visokog obrazovanja, izvođenje studijskog programa i reakreditaciju visokih učilišta (Narodne novine, broj 24/10) i Pravilnik o uvjetima za izdavanje dopusnice za obavljanje znanstvene djelatnosti, uvjetima za reakreditaciju znanstvenih organizacija i sadržaju dopusnice (NN 83/2010)

**Tablica 2.1.** Struktura upisanih studenata i zanimanje za studijski program u tekućoj i posljednje dvije godine\*

a) Preddiplomski studijski program Kemijsko inženjerstvo

Godina	Redovni studenti					Izvanredni studenti			Ukupno upisanih na prvu godinu					
	Prijavljeni	Prvi izbor	Drugi izbor	Upisna kvota	Upisani na prvu godinu studija	Prijavljeni	Upisani na prvu godinu studija	Upisna kvota	Gimnazija		Strukovna škola		Ostale škole	
									Broj	Pros. ocjena	Broj	Pros. ocjena	Broj	Pros. ocjena
2015./2016.	668	75	76	55 + 3 stranca	55	-	-	-	54	4,52	4	4,48	61	4,11
2014./2015.	716	81	91	55 + 3 stranca	55	-	-	-	38	4,48	-	-	17	4,12
2013./2014.	999	119	149	55 + 3 stranca	55	-	-	-	45	4,50	3	4,49	7	4,45

b) Preddiplomski studijski program Kemija i inženjerstvo materijala

Godina	Redovni studenti					Izvanredni studenti			Ukupno upisanih na prvu godinu					
	Prijavljeni	Prvi izbor	Drugi izbor	Upisna kvota	Upisani na prvu godinu studija	Prijavljeni	Upisani na prvu godinu studija	Upisna kvota	Gimnazija		Strukovna škola		Ostale škole	
									Broj	Pros. ocjena	Broj	Pros. ocjena	Broj	Pros. ocjena
2015./2016.	396	51	56	55 + 3 stranca	55	-	-	-	53	4,41	3	4,68	45	4,29
2014./2015.	366	47	61	55 + 3 stranca	55	-	-	-	47	4,17	1	4,69	7	4,26
2013./2014.	694	92	85	55 + 3 stranca	55	-	-	-	36	4,03	14	4,12	5	4,37

c) Preddiplomski studijski program Ekoinženjerstvo

Godina	Redovni studenti					Izvanredni studenti			Ukupno upisanih na prvu godinu					
	Prijavljeni	Prvi izbor	Drugi izbor	Upisna kvota	Upisani na prvu godinu studija	Prijavljeni	Upisani na prvu godinu studija	Upisna kvota	Gimnazija		Strukovna škola		Ostale škole	
									Broj	Pros. ocjena	Broj	Pros. ocjena	Broj	Pros. ocjena
2015./2016.	634	82	84	55 + 2 stranca	55	-	-	-	53	4,34	5	4,69	31	4,20
2014./2015.	584	67	58	55 + 2 stranca	55	-	-	-	46	4,23	3	4,10	6	4,28
2013./2014.	1324	164	170	55 + 2 stranca	55	-	-	-	43	4,20	9	3,85	3	4,19

d) Preddiplomski studijski program Primijenjena kemija

Godina	Redovni studenti					Izvanredni studenti			Ukupno upisanih na prvu godinu					
	Prijavljeni	Prvi izbor	Drugi izbor	Upisna kvota	Upisani na prvu godinu studija	Prijavljeni	Upisani na prvu godinu studija	Upisna kvota	Gimnazija		Strukovna škola		Ostale škole	
									Broj	Pros. ocjena	Broj	Pros. ocjena	Broj	Pros. ocjena
2015./2016.	573	76	83	55 + 2 stranca	55	-	-	-	47	4,51	7	4,37	13	4,27
2014./2015.	471	60	67	55 + 2 stranca	55	-	-	-	42	4,53	6	4,61	7	4,67
2013./2014.	743	81	94	55 + 2 stranca	55	-	-	-	45	4,41	4	4,22	6	4,36

\*podatci za samovrjednovanje preuzeti sa stranica Središnjeg prijavnog ureda

### e) Diplomski studijski programi

Kemijско inženjerstvo	Redovni studenti			Izvanredni studenti			Broj studenata koji dolaze s drugoga visokog učilišta	Prosječna ocjena*
	Prijavljeni	Upisani	Upisna kvota	Prijavljeni	Upisani	Upisna kvota		
Godina								
2015./2016.	60 (1 stranac)	35 (1 stranac)	35 (1)	-	-	-	0 (1 stranac)	3,657
2014./2015.	46	35	35	-	-	-	1	3,596
2013./2014.	35	33	35	-	-	-	3	3,645

Kemija i inženjerstvo materijala	Redovni studenti			Izvanredni studenti			Broj studenata koji dolaze s drugoga visokog učilišta	Prosječna ocjena*
	Prijavljeni	Upisani	Upisna kvota	Prijavljeni	Upisani	Upisna kvota		
Godina								
2015./2016.	50	22	20 (2 stranca)	-	-	-	0	3,629
2014./2015.	16	12	20	-	-	-	0	3,428
2013./2014.	17	11	20	-	-	-	2	3,381

Ekoinženjerstvo	Redovni studenti			Izvanredni studenti			Broj studenata koji dolaze s drugoga visokog učilišta	Prosječna ocjena*
	Prijavljeni	Upisani	Upisna kvota	Prijavljeni	Upisani	Upisna kvota		
Godina								
2015./2016.	51	36	35 (1 stranac)	-	-	-	1 (student s razlikovnom godinom) 2 (studenti s FKIT-a, promjena studija)	3,527
2014./2015.	20	17	35	-	-	-	4 (studenti s razlikovnom godinom)	3,231
2013./2014.	21	17	35	-	-	-	5 (2 studenta s razlikovnom godinom)	3,549

Primijenjena kemija	Redovni studenti			Izvanredni studenti			Broj studenata koji dolaze s drugoga visokog učilišta	Prosječna ocjena*
	Prijavljeni	Upisani	Upisna kvota	Prijavljeni	Upisani	Upisna kvota		
Godina								
2015./2016.	52	36	35 (1 stranac)	-	-	-	0 1 (student s FKIT-a, promjena studija)	3,591
2014./2015.	27	23	35	-	-	-	0	3,689
2013./2014.	31	26	35	-	-	-	4 (3 studenta s razlikovnom godinom)	3,537

\* Prosječna ocjena svih upisanih studenata na studiju na dan 9. veljače 2016.

### f) Poslijediplomski programi

Naziv studijskog programa	Redovni studenti			Izvanredni studenti*			Broj studenata koji dolaze s drugog visokog učilišta	Prosječna ocjena**
	Prijavljeni	Upisani	Upisna kvota	Prijavljeni	Upisani#	Upisna kvota		
Godina								
KIPK 2015./2016.	-	-	-	21	21	40	1 student (KTF Split, 1 student PMF Novi Sad, Srbija i 1 student PMF SuZ)	4,35
KIPK 2014./2015.	-	-	-	17	16	40	5	4,15
IK 2013./2014.	-	-	-	6	6	30	5	4,23
KI 2013./2014.	-	-	-	3	4	30	0	5,00

\* Studente poslijediplomskog studija Fakultet navodi kao izvanredne studente, s obzirom na preporuke AZVO

\*\* Prosječna ocjena posljednjeg studija, bez obzira na razinu

# Ukupni broj s prijelaznicima na drugu i treću godinu

**Tablica 2.2. Prolaznost na studijskom programu**

## a) Preddiplomski studijski programi

## Kemijско inženjerstvo

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja <sup>#</sup>	Prosječna ocjena studija
2007./2008.	35	2	8	25	21	1 (13)	3,642
2008./2009.	35	3	7	25	22	2 (21)	3,506
2009./2010.	46	4	23	19	18	5 (25)	3,355
2010./2011.	41	8	11	22	22	1 (19)	3,322

## Kemija i inženjerstvo materijala

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja <sup>#</sup>	Prosječna ocjena studija
2007./2008.	19	1	2	16	11	1 (15)	3,651
2008./2009.	18	2	5	11	17	1 (14)	3,574
2009./2010.	35	8	8	19	18	3 (15)	3,575
2010./2011.	21	4	13	4	7	1 (10)	2,997

## Ekoinženjerstvo

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja <sup>#</sup>	Prosječna ocjena studija
2007./2008.	47	10	11	26	24	2 (23)	3,326
2008./2009.	35	3	15	17	14	4 (24)	3,285
2009./2010.	47	10	16	21	22	7 (40)	3,417
2010./2011.	41	9	14	18	17	3 (28)	3,292

## Primijenjena kemija

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja <sup>#</sup>	Prosječna ocjena studija
2007./2008.	34	2	3	29	22	0 (3)	3,817
2008./2009.	29	1	2	26	21	0 (8)	3,812
2009./2010.	44	5	7	32	25	3 (14)	3,608
2010./2011.	35	4	15	16	18	3 (14)	3,322

Napomena za sve preddiplomske studije: broj upisanih studenata s kojima računa sustav ISVU je ukupan broj prvi put upisanih studenata u određenoj ak. god. umanjeno za ispisane iz te generacije, a također su iz tog broja izuzeti studenti koji su prešli s navedenog studija na neki drugi studij. Broj upisanih studenata može biti manji od broja upisanih brućoša zato što je dio brućoša tokom godina prešao na druge preddiplomske studije. Broj upisanih studenata može biti veći od broja brućoša zato što imamo upisane goste studente

<sup>#</sup>u zagradama je dan ukupan broj studenata koji su napustili studij; uz one koji su izgubili pravo studiranja priloženi su studenti ispisani na vlastiti zahtjev i oni su prešli na drugi studij

## b) Diplomski studijski programi

### Kemijsko inženjerstvo

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja	Prosječna ocjena studija
2008./2009.	19	0	0	19	19	0	4,125
2009./2010.	23	0	0	23	23	0	4,012
2010./2011.	27	0	0	27	27	0 (2)#	3,996
2011./2012.	17	0	0	17	17	0	3,895
2012./2013.	35	0	0	35	35	0 (1)	4,026

### Kemija i inženjerstvo materijala

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja	Prosječna ocjena studija
2008./2009.	5	0	0	5	5	0	4,371
2009./2010.	9	0	0	9	9	0	4,024
2010./2011.	15	0	0	15	15	0	4,208
2011./2012.	16	1	2	13	13	1	3,985
2012./2013.	21	0	0	21	21	1 (2)	3,915

### Ekoinženjerstvo

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja	Prosječna ocjena studija
2008./2009.	28	0	0	28	28	0	4,152
2009./2010.	31	0	0	31	31	0	3,825
2010./2011.	16	0	0	16	16	0	3,851
2011./2012.	13	0	1	12	13	0 (4)#	3,889
2012./2013.	18	0	1	17	17	1 (1)	3,526

### Primijenjena kemija

Godina upisa	Broj upisanih studenata	Broj studenata koji su ostvarili do 1/3 mogućih ECTS bodova	Broj studenata koji su ostvarili od 1/3 do 2/3 mogućih ECTS bodova	Broj studenata koji su ostvarili više od 2/3 mogućih ECTS bodova	Broj diplomiranih studenata	Broj studenata koji su izgubili pravo studiranja	Prosječna ocjena studija
2008./2009.	12	0	0	12	10	2	4,120
2009./2010.	26	0	0	26	26	0	4,012
2010./2011.	25	0	0	25	25	0	4,023
2011./2012.	15	1	0	14	14	0	3,845
2012./2013.	29	0	0	29	29	0	3,897

# u zagradama je dan ukupan broj studenata koji su napustili studij; uz one koji su izgubili pravo studiranja pribrojani su studenti ispisani na vlastiti zahtjev i oni su prešli na drugi studij

**Tablica 2.3.** Provjera ishoda učenja (struktura načina polaganja ispita na preddiplomskim i diplomskim studijskim programima Fakulteta)

a) Preddiplomski studijski programi

Naziv studijskog programa		Samo završni ispit			Praktični rad i završni ispit	Samo kolokvij/zadaće	Kolokvij/zadaća i završni ispit	Seminarski rad	Seminarski rad i završni ispit	Praktični rad	Drugi oblici
		Završni pismeni ispit	Završni usmeni ispit	Pismeni i usmeni završni ispit							
Kemijsko inženjerstvo	Broj (od 43)	0	0	0	1	23	13	10	0	23	33
	Postotak	0	0	0	2,3	53,5	30,2	23,3	0	53,5	76,7
Kemija i inženjerstvo materijala	Broj (od 42)	0	0	0	1	24	12	6	0	29	37
	Postotak	0	0	0	2,4	57,1	28,6	14,3	0	69,0	88,1
Ekoinženjerstvo	Broj (od 41)	0	0	0	1	24	10	12	1	20	35
	Postotak	0	0	0	2,4	58,5	24,3	29,3	2,4	48,8	85,4
Primijenjena kemija	Broj (od 51)	0	0	0	1	32	12	15	0	28	46
	Postotak	0	0	0	2,0	62,7	23,5	29,4	0	54,9	90,2
UKUPNO	Broj (od 177)	0	0	0	4	103	47	43	1	100	151
	Postotak	0	0	0	2,3	58,2	26,6	24,3	0,6	56,5	85,3

b) Diplomski studijski programi

Naziv studijskog programa	Samo završni ispit			Praktični rad i završni ispit	Samo kolokvij/zadaće	Kolokvij/zadaća i završni ispit	Seminarski rad	Seminarski rad i završni ispit	Praktični rad	Drugi oblici	
	Završni pismeni ispit	Završni usmeni ispit	Pismeni i usmeni završni ispit								
<b>Kemijsko inženjerstvo</b>											
Modul Kemijsko procesno inženjerstvo (KPI)	Broj (od 63)	0	0	0	1	43	14	21	4	42	63
	Postotak	0	0	0	1,6	68,3	22,2	33,3	6,3	66,7	100
Modul Kemijsko inženjerstvo u zaštiti okoliša (KIZO)	Broj (od 62)	0	0	0	1	44	12	16	3	39	60
	Postotak	0	0	0	1,6	71,0	19,4	25,8	4,8	62,9	96,8
Modul Kemijske tehnologije i proizvodi (KTP)	Broj (od 62)	0	0	0	1	43	15	16	3	42	62
	Postotak	0	0	0	1,0	69,3	24,2	25,8	4,8	67,7	100
Kemijsko inženjerstvo ukupno	Broj (od 187)	0	0	0	3	130	41	53	10	123	185
	Postotak	0	0	0	1,6	69,5	21,9	28,3	5,3	65,8	98,9
<b>Kemija i inženjerstvo materijala</b>											
	Broj (od 52)	0	0	0	1	37	12	15	3	41	52
	Postotak	0	0	0	1,9	71,1	23,1	28,8	5,8	78,8	100
<b>Ekoinženjerstvo</b>											
	Broj (od 66)	0	0	0	1	47	14	28	4	48	66
	Postotak	0	0	0	1,5	71,2	21,2	42,4	6,1	72,7	100
<b>Primijenjena kemija</b>											
Modul Kemija okoliša (A)	Broj (od 52)	0	0	0	1	35	14	19	2	34	49
	Postotak	0	0	0	1,9	67,3	26,9	36,5	3,8	65,4	94,2
Modul Specifični materijali i napredne tehnologije (B)	Broj (od 57)	0	0	0	1	39	15	20	2	38	54
	Postotak	0	0	0	1,8	68,4	26,3	35,1	3,5	66,7	94,7
Modul Primijenjena organska kemija (C)	Broj (od 57)	0	0	0	1	39	15	15	2	40	54
	Postotak	0	0	0	1,8	68,4	26,3	26,3	3,5	70,2	94,7
Primijenjena kemija ukupno	Broj (od 166)	0	0	0	3	113	44	54	6	112	157
	Postotak	0	0	0	1,8	68,1	26,5	32,5	3,6	67,5	94,5
<b>Diplomski studiji ukupno</b>											
	Broj (od 471)	0	0	0	8	327	111	150	23	324	460
	Postotak	0	0	0	1,7	69,4	23,6	31,8	4,9	68,8	97,7

**Tablica 2.4.** Broj znanstvenih radova u znanstvenim časopisima koje objavljuju doktorandi prilikom izrade doktorske disertacije

Naziv doktorskog studija	Broj obranjenih doktorskih disertacija u posljednjih 5 godina*	Broj objavljenih radova potreban za pristup obrani disertacije	Broj objavljenih radova doktoranada u inozemnim znanstvenim časopisima relevantnim za izbor u znanstvena zvanja	Broj objavljenih radova doktoranada u domaćim znanstvenim časopisima relevantnim za izbor u znanstvena zvanja***
Kemijско inženjerstvo	27	27*	WoS: 241**	SCOPUS – WoS: 8**
Inženjerska kemija	63	63*		

\* Zahtijeva se minimalno jedan rad u inozemnom znanstvenom časopisu

\*\* Doktorandi s različitih studija međusobno surađuju. Da bi se izbjeglo preklapanje daje se ukupan broj

\*\*\* Umjesto kategorije domaći znanstveni časopisi (koja nije relevantna za područje djelovanja), daje se kategorija SCOPUS – WoS, koja obuhvaća nekoliko domaćih i stranih časopisa

**Tablica 2.4.1.** Popis doktoranada

	Studij	Prezime	Ime	Mentor_DR	Dat_obr_DR
1.	KI	Panjičko	Mario	Bruno Zelić, Gregor Drago Zupančić	23.12.2015
2.	IK	Radojević Lacković	Sandra	Tomislav Bolanča	11.12.2015
3.	IK	Hajdari	Zana	Helena Otmačić Ćurković	20.11.2015
4.	IK	Jozanović	Marija	Milan Sak-Bosnar, Zoran Mandić	14.07.2015
5.	IK	Veršić Bratinčević	Maja	Davorka Sutlović, Sandra Babić	30.06.2015
6.	KI	Šalić	Anita	Bruno Zelić	16.06.2015
7.	KI	Sudar	Martina	Zvezdana Findrik Blažević	15.06.2015
8.	IK	Opačak	Ivana	Mira Ristić	12.06.2015
9.	IK	Kassal	Petar	Ivana Steinberg, Matthew Steinberg	12.06.2015
10.	IK	Rogina	Anamarija	Marica Ivanković	11.06.2015
11.	IK	Novak Stankov	Mirjana	Tomislav Bolanča	08.06.2015
12.	KI	Mohler	Ivan	Nenad Bolf	20.03.2015
13.	KI	Ćosić	Ivana	Marija Vuković Domanovac	13.03.2015
14.	IK	Palčić	Marina	Zorana Grabarić, Stjepan Milardović	18.02.2015
15.	IK	Periša	Martina	Sandra Babić	13.02.2015
16.	IK	Vladislavić	Nives	Slobodan Brinić, Stjepan Milardović	18.12.2014
17.	KI	Kučić	Dajana	Felicita Briški	08.12.2014
18.	IK	Ivešić	Martina	Sandra Babić, Zdenko Šmit	24.11.2014
19.	IK	Stipković Babić	Maja	Mladen Mintas	07.11.2014
20.	KI	Penović	Tomislav	Aleksandra Sander	31.10.2014
21.	IK	Sopčić	Suzana	Zoran Mandić	24.10.2014
22.	IK	Pustaj	Gordana	Frankica Kapor, Sanja Martinez	16.10.2014
23.	IK	Dimitrov	Nino	Zlata Hrnjak-Murgić	30.09.2014
24.	IK	Burčul	Franko	Mila Radan, Irena Škorić	30.09.2014
25.	KI	Rešček	Ana	Zlata Hrnjak Murgić	05.09.2014
26.	IK	Faraguna	Fabio	Ante Jukić	02.09.2014
27.	IK	Skoko	Božena	Gordana Marović, Sanja Papić	18.07.2014
28.	KI	Mužek	Mario Nikola	Jelica Zelić, Hrvoje Ivanković	17.07.2014
29.	IK	Magdić	Katja	Zoran Mandić, Višnja Horvat Radošević	17.07.2014
30.	IK	Galović	Olivera	Mirela Samardžić, Stjepan Milardović	16.06.2014
31.	IK	Žegarac	Miroslav	Miljenko Dumić	16.05.2014
32.	IK	Štajdohar	Jasenska	Mira Ristić	11.04.2014
33.	IK	Nodilo	Marijana	Stjepan Milardović, Željko Grahek	25.03.2014



	Studij	Prezime	Ime	Mentor_DR	Dat_obr_DR
34.	IK	Nestić	Marina	Sandra Babić, Davorka Sutlović	17.03.2014
35.	IK	Mešić	Andrijana	Silvana Raić-Malić	14.03.2014
36.	IK	Šagud	Ivana	Marija Šindler	10.03.2014
37.	IK	Dražević	Emil	Krešimir Košutić, Vladimir Dananić	07.03.2014
38.	IK	Perin	Nataša	Marijana Hranjec	07.03.2014
39.	IK	Milovac	Dajana	Hrvoje Ivanković. Gloria G.Ferrer	31.01.2014
40.	IK	Kerolli-Mustafa	Mihone	Lidija Ćurković, Juraj Šipušić	29.01.2014
41.	KI	Šoštarić	Igor	Stanka Zrnčević	16.12.2013
42.	KI	Buhin Šturlić	Zrinka	Sanja Lučić Blagojević	08.11.2013
43.	IK	Peček	Gorana	Dragana Mutavdžić Pavlović	10.10.2013
44.	IK	Zrnčić	Mirta	Sandra Babić	09.10.2013
45.	KI	Gabrić	Beata	Aleksandra Sander	30.09.2013
46.	IK	Prkić	Ante	Josipa Giljanović, Stjepan Milardović	30.09.2013
47.	KI	Ormuž Pavić	Bojana	Emi Govorčin-Bajsić	20.09.2013
48.	IK	Zekić	Marina	Irena Škorić, Ani Radonić	19.07.2013
49.	KI	Wittine	Ozren	Stanka Zrnčević, Jacques Barbier	18.07.2013
50.	IK	Linarić	Martina	Laszlo Sipos	15.07.2013
51.	IK	Buić	Zdenko	Bruno Zelić, Tomislav Bolanča	11.07.2013
52.	IK	Aleksić	Maja	Grace Karminski-Zamola, Marijana Hranjec	11.07.2013
53.	KI	Šoštarec	Anita	Antun Glasnović, Darko Gosak	20.06.2013
54.	IK	Nakić-Alfirević	Barbara	Juraj Šipušić, Andreja Gajović	05.06.2013
55.	KI	Očelić Bulatović	Vesna	Vesna Rek	29.05.2013
56.	KI	Knežević	Zdravka	Marin Hraste	17.05.2013
57.	IK	Blažek	Vesna	Nikola Basarić	15.04.2013
58.	KI	Katančić	Zvonimir	Zlata Hrnjak-Murgić	08.03.2013
59.	IK	Benci	Krešimir	Mladen Mintas	07.03.2013
60.	IK	Vrsaljko	Dijana	Mirela Leskovac	14.02.2013
61.	KI	Mastelić Samardžić	Zrinka	Stanka Zrnčević	31.01.2013
62.	IK	Katić	Jozefina	Mirjana Metikoš-Huković	18.12.2012
63.	IK	Krstulović	Luka	Miroslav Bajić, Biserka Žinić	14.12.2012
64.	KI	Hrkovac	Martina	Jasna Prlić Kardum	14.12.2012
65.	IK	Sović	Irena	Grace Karminski-Zamola	09.11.2012
66.	IK	Franković Mihelj	Nirvana	Juraj Šipušić	06.11.2012
67.	IK	Borovička	Branko	Daslav Hranueli, Silvana Raić-Malić	29.10.2012
68.	KI	Šustić	Igor	Juraj Šipušić, Jadranka Barešić	19.07.2012
69.	IK	Mandić	Vilko	Stanislav Kurajica	18.07.2012
70.	IK	Buljac	Maša	Tomislav Bolanča, Danijela Bogner	16.07.2012
71.	IK	Trkmić	Marija	Lidija Ćurković, Danijela Ašperger	16.07.2012
72.	IK	Hocenski	Verica	Ana Lončarić Božić, Nedjeljko Perić	13.07.2012
73.	IK	Škalec Šamec	Dijana	Aleksandra Sander,	13.07.2012
74.	KI	Hublin	Andrea	Bruno Zelić, Davor Kralik	13.07.2012
75.	KI	Adžamić	Zoran	Katica Sertić-Bionda	15.06.2012
76.	KI	Ujević Andrijić	Željka	Nenad Bolf, Tomislav Rolich	09.05.2012
77.	IK	Orlić	Sebastijan	Hrvoje Ivanković	25.04.2012
78.	IK	Ignjatić Zokić	Tatjana	Laszlo Sipos	04.04.2012

	Studij	Prezime	Ime	Mentor_DR	Dat_obr_DR
79.	IK	Kikaš	Ilijana	Irena Škorić	24.02.2012
80.	IK	Buljan	Iva	Cleo Kosanović	20.02.2012
81.	IK	Jurmanović	Stella	Vesna Gabelica Marković, Silvana Raić-Malić	08.12.2011
82.	IK	Marinović	Slavica	Ante Jukić, Tomislav Bolanča	30.11.2011
83.	IK	Parlov Vuković	Jelena	Predrag Novak	11.11.2011
84.	IK	Luša	Melita	Štefica Cerjan-Stefanović	03.11.2011
85.	IK	Samardžić	Mirela	Milan Sak-Bosnar, Stjepan Milardović	11.10.2011
86.	KI	Kopčić	Nina	Felicita Briški	20.07.2011
87.	IK	Doležal	Dubravka	Štefica Cerjan-Stefanović, Tomislav Bolanča	25.05.2011
88.	KI	Grčić	Ivana	Natalija Koprivanac	28.04.2011
89.	IK	Sakač	Nikola	Stjepan Milardović, Milan Sak-Bosnar	04.02.2011
90.	KI	Matečić Mušanić	Sanja	Muhamed Sućeska	10.01.2011

**Tablica 2.4.2.** Popis radova doktoranada povezanih s disertacijom (prije i nakon obrane, u bazi podataka WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 2.4.)

R. br.	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	IF	STUDIJ
1.	Blažek, Vesna; Bregović, Nikola; Mlinarić-Majerski, Kata; Basarić, Nikola. Phosphate selective alkylenebisurea receptors: Structure-binding relationship. // <i>Tetrahedron</i> . <b>67</b> (2011), 21; 3846-3857	3,025 (2011.)	IK
2.	Blažević, Ivica; Radonić, Ani; Skočibušić, Mirjana; De Nicola, Gina R.; Montaut, Sabine; Iori, Renato; Rollin, Patrick; Mastelić, Josip; Zekić, Marina; and Maravić, Ana. Glucosinolate profiling and antimicrobial screening of <i>Aurinia leucadea</i> (Brassicaceae). // <i>Chemistry &amp; biodiversity</i> . <b>8</b> (2011), 12; 2310-2321	1,804 (2011.)	IK
3.	Buljac, Maša; Bogner, Danijela; Cerjan-Stefanović, Štefica; Bolanča, Tomislav; Margeta, Karmen. Cr and Zn distribution in sediment from the semi-enclosed Kaštela Bay, the Adriatic Sea (Croatia). // <i>Fresenius environmental bulletin</i> . <b>20</b> (2011), 4; 853-860	0,660 (2011.)	IK
4.	Buljan, Iva; Kosanović, Cleo; Kralj, Damir. A novel synthesis of nano-sized mullite from aluminosilicate precursors. // <i>Journal of alloys and compounds</i> . <b>509</b> (2011), 32; 8256-8261	2,289 (2011.)	IK
5.	Doležal, Dubravka; Bolanča, Tomislav; Cerjan Stefanovic, Štefica. Development of UV/VIS spectrometric methodology for corrosion inhibitor residuals monitoring in oilfield brine. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>42</b> (2011), 3; 229-233	0,543 (2011.)	IK
6.	Dražević, Emil; Košutić, Krešimir; Fingler, Sanja; Drevenkar, Vlasta. Removal of pesticides from the water and their adsorption on the reverse osmosis membranes of defined porous structure. // <i>Desalination and water treatment</i> . <b>30</b> (2011); 161-170	0,614 (2011.)	IK
7.	Filić, Darko; Starčević, Kristina; Pešić, Dijana; Jurmanović, Stella; Meenan, Eugene; Spezzaferri, Alberto; Đilović, Ivica; Prugovečki, Biserka. Crystal structure and physicochemical properties of crystalline form of 2'-O-[[7-chloro-4-quinolinyl]amino]propyl]-9-deoxo-9a-methyl-9a-aza-9a-homoerythromycin A. // <i>Journal of pharmaceutical sciences</i> . <b>100</b> (2011), 7; 2586-2598	3,055 (2011.)	IK

8.	Galić, Nives; Rubčić, Mirta; Magdić, Katja; Cindrić, Marina; Tomišić, Vladislav. Solution and solid-state studies of complexation of transition-metal cations and Al(III) by aroylhydrazones derived from nicotinic acid hydrazide. // <i>Inorganica chimica acta</i> . <b>366</b> (2011), 1; 98-104	1,846 (2011.)	IK
9.	Giljanović, Josipa; Brkljača, Mia; Prkić, Ante. Flow injection spectrophotometric determination of N-Acetyl-L-cysteine as a complex with palladium(II). // <i>Molecules</i> . <b>16</b> (2011), 9; 7224-7236	2,386 (2011.)	IK
10.	Grahek, Željko; Gojmerac Ivšić, Astrid; Krljan, Nikolina; Nodilo, Marijana. Separation of Sr in combination of ion exchange and Sr resin with alcohol-nitric acid solution and rapid determination of <sup>90</sup> Sr in wine and soil samples. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>289</b> (2011), 2; 437-449	1,520 (2011.)	IK
11.	Grčić, Ivana; Maljković, Marija; Papić, Sanja; Koprivanac, Natalija. Low frequency US and UV-A assisted Fenton oxidation of simulated dyehouse wastewater. // <i>Journal of hazardous materials</i> . <b>197</b> (2011); 272-284	4,173 (2011.)	KI
12.	Hrkovac, Martina; Prlić Kardum, Jasna; Schuster, Anke; Ulrich, Joachim. Influence of additives on Glycine crystal characteristics. // <i>Chemical engineering &amp; technology</i> . <b>34</b> (2011), 4; 611-618	1,598 (2011.)	KI
13.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata. Study of flammability and thermal properties of high-impact polystyrene nanocomposites. // <i>Polymer degradation and stability</i> . <b>96</b> (2011), 12; 2104-2111	2,769 (2011.)	KI
14.	Kikaš, Ilijana; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic and thermal oxygenation of a furan derivative. // <i>Tetrahedron letters</i> . <b>52</b> (2011), 47; 6255-6259	2,683 (2011.)	IK
15.	Kosanović, Cleo; Havenscak, Karoly; Subotić, Boris; Svetličić, Vesna; Mišić Radić, Tea; Cziraki, Agnes; Huhn, Gabriella; Buljan, Iva; Smrečki, Vilko. Study of the mechanism of formation of nano-crystalline zeolite X in heterogeneous system. // <i>Microporous and mesoporous materials</i> . <b>142</b> (2011), 1; 139-146	3,285 (2011.)	IK
16.	Krištafor, Svjetlana; Meščić, Andriana; Cetina, Mario; Korunda, Silvija; Makuc, Damjan; Plavec, Janez; Raić-Malić, Silvana. Synthesis, structural and conformational studies of Z- and E-isomers of fluorinated C-6 isobutenyl N-methyl thymine derivatives. // <i>Journal of fluorine chemistry</i> . <b>132</b> (2011), 9; 573-578.	2,033 (2011.)	IK
17.	Kurajica, Stanislav; Tkalčec, Emilija; Gržeta, Biserka; Iveković, Damir; Mandić, Vilko; Popović, Jasminka; Kranželić, Dajana. Evolution of structural and optical properties in the course of thermal evolution of sol-gel derived cobalt-doped gahnite. // <i>Journal of alloys and compounds</i> . <b>509</b> (2011), 7; 3223-3228	2,289 (2011.)	IK
18.	Kurajica, Stanislav; Tkalčec, Emilija; Mandić, Vilko; Schmauch, Joerg. Mullite crystallization kinetics of lanthanum doped sol-gel derived precursors. // <i>Journal of the European ceramic society</i> . <b>31</b> (2011); 377-383	2,353 (2011.)	IK
19.	Kurajica, Stanislav; Tkalčec, Emilija; Matijašić, Gordana; Ćurković, Lidija; Schaperl, Zdravko; Šipušić, Juraj; Mandić, Vilko. Influence of agglomeration and contamination in the course of amorphous powder grinding on structure and microstructure of sintered Mullite. // <i>Croatica chimica acta</i> . <b>84</b> (2011), 1; 63-71	0,763 (2011.)	IK
20.	Maduna-Valkaj, Karolina; Wittine, Ozren; Margeta, Karmen; Granato, Teresa; Katović, Andrea; Zrnčević, Stanka. Phenol oxidation with hydrogen peroxide using Cu/ZSM5 and Cu/Y5 catalysts. // <i>Polish journal of chemical technology</i> . <b>136</b> (2011), 3; 28-36	0,337 (2011.)	KI
21.	Medvidović-Kosanović, Martina; Samardžić, Mirela; Malatesti, Nela; Sak-Bosnar, Milan. Electroanalytical characterization of a copper(II)-rutin complex. // <i>International journal of electrochemical science</i> . <b>6</b> (2011), 4; 1075-1084	3,729 (2011.)	IK

22.	Parlov Vuković, Jelena; Telen, Sanda; Srića, Vlasta; Novak, Predrag. The use of <sup>13</sup> C NMR spectroscopy and comprehensive two-dimensional gas chromatography, GC×GC, for identification of compounds involved in diesel fuel oxidative behavior. // <i>Croatica chemica acta</i> . <b>84</b> (2011) , 4; 537-541	0,763 (2011.)	IK
23.	Perin, Nataša; Hranjec, Marijana; Pavlović, Gordana; Karminski-Zamola, Grace. Novel aminated benzimidazo[1, 2-a]quinolines as potential fluorescent probes for DNA detection: microwave-assisted synthesis, spectroscopic characterization and crystal structure determination. // <i>Dyes and pigments</i> . <b>91</b> (2011) , 1; 79-88	3,126 (2011.)	IK
24.	Perin, Nataša; Uzelac, Lidija; Piantanida, Ivo; Karminski-Zamola, Grace; Kralj, Marijeta; Hranjec, Marijana. Novel biologically active nitro and amino substituted benzimidazo[1, 2-a]quinolines. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>19</b> (2011) , 21; 6329-6339	2,921 (2011.)	IK
25.	Petrović, Željka; Katić, Jozefina; Metikoš-Huković, Mirjana; Dadafarin, Hesam; Omanović, Saša. Modification of a Nitinol surface by phosphonate self-assembled monolayers. // <i>Journal of the electrochemical society</i> . <b>158</b> (2011) , 10; F159-F165	2,590 (2011.)	IK
26.	Prkić, Ante; Giljanović, Josipa; Bralić, Marija. Direct potentiometric determination of N-acetyl-L-cysteine (NAC) in real samples by using "home made" Iodide ISE. // <i>International journal of electrochemical science</i> . <b>6</b> (2011) , 11; 5388-5395	3,729 (2011.)	IK
27.	Radonić, Ani; Blažević, Ivica; Mastelić, Josip; Zekić, Marina; Skočibušić, Mirjana; Maravić, Ana. Phytochemical analysis and antimicrobial activity of <i>Cardaria draba</i> L. Desv. volatiles. // <i>Chemistry &amp; biodiversity</i> . <b>8</b> (2011) , 6; 1170-1181	1,804 (2011.)	IK
28.	Rogina, Anamarija; Šiško, Ivana; Mohler, Ivan; Ujević, Željka; Bolf, Nenad. Soft sensor for continuous product quality estimation (in crude distillation unit). // <i>Chemical engineering research &amp; design</i> . <b>89</b> (2011) , 10; 2070-2077	1,968 (2011.)	IK , KI
29.	Sak-Bosnar, Milan; Madunić-Čačić, Dubravka; Sakač, Nikola; Samardžić, Mirela; Kurtanjek, Želimir. Estimation and optimization of potentiometric sensor response parameters from surfactant titration data using Microsoft Excel Solver and Mathematica. // <i>Sensor letters</i> . <b>9</b> (2011) , 2; 491-498	0,558 (2013.)	IK
30.	Sak-Bosnar, Milan; Samardžić, Mirela; Galović, Olivera. The influence of ethoxylated nonionic surfactants on the potentiometric determination of anionic surfactants. // <i>International journal of electrochemical science</i> . <b>6</b> (2011) , 3; 561-572	3,729 (2011.)	IK
31.	Sakač, Nikola; Sak-Bosnar, Milan; Horvat, Marija; Madunić-Čačić, Dubravka; Szechenyi, Aleksandar; Kovacs, Barna. A new potentiometric sensor for the determination of $\alpha$ -amylase activity. // <i>Talanta</i> . <b>83</b> (2011) , 5; 1606-1612	3,794 (2011.)	IK
32.	Samardžić, Mirela; Sak-Bosnar, Milan; Madunić-Čačić, Dubravka. Simultaneous potentiometric determination of cationic and ethoxylated nonionic surfactants in liquid cleaners and disinfectants. // <i>Talanta</i> . <b>83</b> (2011) , 3; 789-794	3,794 (2011.)	IK
33.	Sander, Aleksandra; Penović, Tomislav; Šipušić, Juraj. Crystalization of $\beta$ -glycine by spray drying. // <i>Crystal research and technology</i> . <b>46</b> (2011) , 2; 145-152	0,946 (2011.)	KI
34.	Sopčić, Suzana; Kraljić Roković, Marijana; Mandić, Zoran; Róka, András; Inzelt, György. Mass changes accompanying the pseudocapacitance of hydrous RuO <sub>2</sub> under different experimental conditions. // <i>Electrochimica acta</i> . <b>56</b> (2011) , 10; 3543-3548	3,832 (2011.)	IK
35.	Sopčić, Suzana; Mandić, Zoran; Inzelt, György; Kraljić Roković, Marijana; Meštrović, Ernest. Ion dynamics in the pseudocapacitive reaction of hydrous ruthenium oxide. Effect of the temperature pre-treatment. // <i>Journal of power sources</i> . <b>196</b> (2011) , 10; 4849-4858	4,951 (2011.)	IK

36.	Sović, Irena; Stilinović, Vladimir; Kaitner, Branko; Kraljević Pavelić, Sandra; Bujak, Maro; Čuljak, Katarina; Novak, Predrag; Karminski-Zamola, Grace. Novel substituted 1-iminoisoindoline derivatives : synthesis, structure determination and antiproliferative activity. // <i>Journal of molecular structure</i> . <b>1006</b> (2011) , 1/3; 259-265	1,634 (2011.)	IK
37.	Šagud, Ivana; Faraguna, Fabio; Marinić, Željko; Šindler-Kulyk, Marija. Photochemical approach to naphthoxazoles and fused hetero-benzoxazoles from 5-(phenyl/heteroarylethenyl)oxazoles. // <i>Journal of organic chemistry</i> . <b>76</b> (2011) , 8; 2904-2908	4,450 (2011.)	IK
38.	Šalić, Anita; Tušek, Ana; Kurtanjek, Želimir; Zelić, Bruno. Biotransformation in a microreactor : new way for production of hexanal. // <i>Biotechnology and bioprocess engineering</i> . <b>16</b> (2011) , 3; 495-504	1,278 (2011.)	KI
39.	Šalić, Anita; Tušek, Ana; Fabek, Diana; Rukavina, Ivana; Zelić, Bruno. Aqueous two phase extraction of polyphenols using a microchannel system – process optimization and intensification. // <i>Food technology and biotechnology</i> . <b>49</b> (2011) , 4; 495-501	1,195 (2011.)	KI
40.	Škorić, Irena; Kikaš, Ilijana; Kovács, Margit; Fodor, Lajos; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Horváth, Ottó. Synthesis, photochemistry and photophysics of butadiene derivatives: influence of the methyl group on the molecular structure and photoinduced behavior. // <i>Journal of organic chemistry</i> . <b>76</b> (2011) , 21; 8641-8657	4,450 (2011.)	IK
41.	Ujević, Željka; Mohler, Ivan; Bolf, Nenad. Soft sensors for splitter product properties estimation in CDU. // <i>Chemical engineering communications</i> . <b>198</b> (2011) , 12; 1566-1578	0,946 (2011.)	KI
42.	Valicsek, Zsolt; Horváth, Ottó; Lendvay, György; Kikaš, Ilijana; Škorić, Irena. Formation, photophysics, and photochemistry of cadmium(II) complexes with 5, 10, 15, 20-tetrakis(4-sulphonatophenyl)porphyrin and its octabromo derivative. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>218</b> (2011) , 1; 143-155	2,421 (2011.)	IK
43.	Velić, Natalija; Samardžić, Mirela; Sak-Bosnar, Milan; Šantek, Božidar. Voltammetric determination of dissolved nitrous oxide. // <i>International journal of electrochemical science</i> . <b>6</b> (2011) , 4; 1206-1215	3,729 (2011.)	IK
44.	Vrsaljko, Domagoj; Hrnjak-Murgić, Zlata; Lučić Blagojević, Sanja; Leskovic, Mirela; Kratožil Krehula, Ljerka; Ptiček Siročić, Anita; Katančić, Zvonimir; Kovačević, Vera; Jelenčić, Jasenka. Effect of preparation on morphology-properties relationships in SAN/EPDM/PCC composites. // <i>Journal of composite materials</i> . <b>45</b> (2011) , 13; 1381-1393	1,068 (2011.)	KI
45.	Wittine, Karlo; Stipković Babić, Maja; Košutić, Marija; Cetina, Mario; Rissanen, Kari; Kraljević Pavelić, Sandra; Tomljenović Paravić, Andrea; Sedić, Mirela; Pavelić, Krešimir; Mintas, Mladen. The new 5- or 6-azapyrimidine and cyanuric acid derivatives of L-ascorbic acid bearing the free C-5 hydroxy or C-4 amino group at the ethylenic spacer: CD-spectral absolute configuration determination and biological activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 7; 2770-2785	3,346 (2011.)	IK
46.	Wittine, Karlo; Benci, Krešimir; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Bratulić, Siniša; Hock, Karlo; Balzarini, Jan; Mintas, Mladen. Synthesis, cytostatic and anti-viral activity evaluation of the novel acyclic nucleoside analogues containing a sterically constrained (Z)-4-amino-2-butenyl moiety. // <i>Medicinal chemistry research</i> . <b>20</b> (2011) , 3; 280-286	1,271 (2011.)	IK
47.	Aleksić, Maja; Bertoša, Branimir; Nhili, Raja; Uzelac, Lidija; Jarak, Ivana; Depauw, Sabine; David-Cordonnier, Marie-Héle`ne; Kralj, Marijeta; Tomić, Sanja; Karminski-Zamola, Grace. Novel substituted benzothiophene- and thienothiophene-carboxanilides and quinolones : synthesis, photochemical Synthesis, DNA-binding properties, antitumor evaluation and 3D-derived QSAR analysis. // <i>Journal of medicinal chemistry</i> . <b>55</b> (2012) ; 5044-5060	5,614 (2012.)	IK
48.	Benci, Krešimir; Mandić, Leo; Suhina, Tomislav; Sedić, Mirela; Klobučar, Marko; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Wittine, Karlo; Mintas, Mladen. Novel Coumarin derivatives containing 1, 2, 4-Triazole, 4, 5-dicyanoimidazole and purine moieties: synthesis and evaluation of their cytostatic activity. // <i>Molecules</i> . <b>17</b> (2012) , 9; 11010-11025	2,428 (2012.)	IK

49.	Bennani, Yasmina; Košutić, Krešimir; Dražević, Emil; Rožić, Mirela. Wastewater from wood and pulp industry treated by combination of coagulation, adsorption on modified clinoptilolite tuff and membrane processes. // <i>Environmental technology</i> . <b>33</b> (2012) , 10; 1159-1166	1,606 (2012.)	IK
50.	Blažek, Vesna; Mlinarić-Majerski, Kata; Qin, Wenwu; Basarić, Nikola. Photophysical study of the aggregation of naphthyl-, anthryl- and pyrenyl-adamantanebisurea derivatives. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>229</b> (2012) , 1; 1-10	2,416 (2012.)	IK
51.	Bolanča, Tomislav; Marinović, Slavica; Ukić, Šime; Jukić, Ante; Rukavina, Vinko. Development of artificial neural network model for diesel fuel properties prediction using vibrational spectroscopy. // <i>Acta chimica Slovenica</i> . <b>59</b> (2012) ; 249-257	1,135 (2012.)	IK
52.	Briški, Felicita; Kopčić, Nina; Ćosić, Ivana; Kučić, Dajana; Vuković, Marija. Biodegradation of tobacco waste by composting: Genetic identification of nicotine-degrading bacteria and kinetic analysis of transformations in leachate. // <i>Chemical Papers</i> . <b>66</b> (2012) , 12; 1103-1110	0,879 (2012.)	KI
53.	Carlotti, Benedetta; Flamini, Rebecca; Kikaš, Ilijana; Mazzucato, Ugo; Spalletti, Anna. Intramolecular charge transfer, solvatochromism and hyperpolarizability of compounds bearing ethenylene or ethynylene bridges. // <i>Chemical physics</i> . <b>407</b> (2012) ; 9-19	1,957 (2012.)	IK
54.	Cerjan Stefanović, Štefica; Bolanča, Tomislav; Luša, Melita; Ukić, Šime; Rogošić, Marko. Multi-criteria decision making development of ion chromatographic method for determination of inorganic anions in oilfield waters based on artificial neural networks retention model. // <i>Analytica chimica acta</i> . <b>716</b> (2012) ; 145-154	4,387 (2012.)	IK
55.	Cetina, Mario; Benci, Krešimir; Wittine, Karlo; Mladen, Mintas. Weak C-H... $\pi$ and C-H...F interactions form higher-order supramolecular structures in cytosine and uracil (Z)-4'-benzamido-2'-butenyl derivative. // <i>Crystal growth &amp; design</i> . <b>12</b> (2012) , 11; 5262-5270	2,428 (2012.)	IK
56.	Cornu, Cécile; Bonardet, Jean-Luc; Casale, Sandra; Davidson, Anne; Abramson, Sébastien; Andre, Gilles; Porcher, Florence; Grčić, Ivana; Tomašić, Vesna; Vujević, Dinko; Koprivanac, Natalija. Identification and location of iron species in Fe/SBA-15 catalysts : interest of heterojunctions for Fenton reactions. // <i>Journal of physical chemistry. C</i> . <b>116</b> (2012) , 5; 3437-3448	4,814 (2012.)	KI
57.	Ćosić, Ivana; Vuković, Marija; Gomzi, Zoran; Briški, Felicita. Comparison of various kinetic models for batch biodegradation of leachate from tobacco waste composting. // <i>Revista de chimie</i> . <b>63</b> (2012) , 9; 967-971	0,538 (2012.)	KI
58.	Dražević, Emil; Bason, Sarit; Košutić, Krešimir; Freger, Viatcheslav. Enhanced partitioning and transport of phenolic micropollutants within polyamide composite membranes. // <i>Environmental science &amp; technology</i> . <b>46</b> (2012) , 6; 3377-3383	5,257 (2012.)	IK
59.	Galović, Olivera; Samardžić, Mirela; Derežić, Dragan; Madunić-Čačić, Dubravka; Sak-Bosnar, Milan. Potentiometric titration of micromolar levels of anionic surfactants in model effluents using a sensitive potentiometric sensor. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 2; 1522-1531	1,956 (2013.) 3,729 (2011.)	IK
60.	Gazivoda Kraljević, Tatjana; Klika, Mateja; Kralj, Marijeta; Martin-Kleiner, Irena; Jurmanović, Stella; Milić, Astrid; Padovan, Jasna; Raić-Malić, Silvana. Synthesis, cytostatic activity and ADME properties of C-5 substituted and N-acyclic pyrimidine derivatives. // <i>Bioorganic &amp; medicinal chemistry letters</i> . <b>22</b> (2012) , 1; 308-312	2,338 (2012.)	IK
61.	Grahek, Željko; Karanović, Gorana; Nodilo, Marijana. Rapid determination of <sup>89</sup> Sr, <sup>90</sup> Sr in wide range of activity concentration by combination of yttrium, strontium separation and Cherenkov counting. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>292</b> (2012) , 2; 555-569	1,467 (2012.)	IK
62.	Grahek, Željko; Nodilo, Marijana. Continuous separation of Sr, Y and some actinides by mixed solvent anion exchange and determination of <sup>89</sup> Sr, <sup>90</sup> Sr, <sup>238</sup> Pu, <sup>239</sup> Pu and <sup>241</sup> Am in soil and vegetation samples. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>293</b> (2012) , 3; 815-827	1,467 (2012.)	IK

63.	Grčić, Ivana; Papić, Sanja; Koprivanac, Natalija; Kovačić, Iva. Kinetic modeling and synergy quantification in sono and photooxidative treatment of simulated dyehouse effluent. // <i>Water research</i> . <b>46</b> (2012) ; 5683-5695	4,655 (2012.)	KI
64.	Grčić, Ivana; Papić, Sanja; Žižek, Krunoslav; Koprivanac, Natalija. Zero-valent iron (ZVI) Fenton oxidation of reactive dye wastewater under UV-C and solar irradiation. // <i>Chemical engineering journal</i> . <b>195-196</b> (2012) , 1; 77-90	3,473 (2012.)	KI
65.	Grčić, Ivana; Šipić, Ana; Koprivanac, Natalija; Vrsaljko, Domagoj. Global parameter of ultrasound exploitation (GPUE) in the reactors for wastewater treatment by sono-Fenton oxidation. // <i>Ultrasonics sonochemistry</i> . <b>19</b> (2012) , 2; 270-279	3,516 (2012.)	KI
66.	Horvat-Radošević, Višnja; Magdić, Katja; Kvastek, Krešimir. Parametrization of impedance spectra of GC/H <sub>2</sub> SO <sub>4</sub> electrode: trials and errors. // <i>Bulgarian chemical communications</i> . <b>44</b> (2012) ; 356-36	0,320 (2012.)	IK
67.	Hublin, Andrea; Ignjatić Zokić, Tatjana; Zelić, Bruno. Optimization of biogas production from co-digestion of whey and cow manure. // <i>Biotechnology and bioprocess engineering</i> . <b>17</b> (2012) , 6; 1284-1293	1,277 (2012.)	KI , IK
68.	Kikaš, Ilijana; Carlotti, Benedetta; Škorić, Irena; Šindler-Kulyk, Marija; Mazzucato, Ugo; Spalletti, Anna. Synthesis, spectral properties and photobehaviour of push-pull distyrylbenzene nitro-derivatives. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>244</b> (2012) ; 38-46	2,416 (2012.)	IK
69.	Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Katančić, Zvonimir; Jelenčić, Jasenka; Kovačević, Vera; Hrnjak-Murđić, Zlata. Influence of calcium carbonate filler and mixing type process on structure and properties of Styrene-Acrylonitrile/Ethylene-Propylene-Diene polymer blends. // <i>Journal of applied polymer science</i> . <b>126</b> (2012) , 4; 1257-1266	1,395 (2012.)	KI
70.	Krstulović, Luka; Ismaili, Hamit; Bajić, Miroslav; Višnjavec, Aleksandar; Glavaš-Obrovac, Ljubica; Žinić, Biserka. Synthesis of novel aliphatic N-sulfonylamidino Thymine derivatives by Cu(I)-catalyzed three-component coupling reaction. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 4; 525-534	0,614 (2012.)	IK
71.	Lučić Blagojević, Sanja; Buhin, Zrinka; Pustak, Anđela; Lukić Kovačić, Ružica. Influence of nanosilica on the morphology and thermal and mechanical properties of polyurethane elastomer. // <i>Journal of applied polymer science</i> . <b>125</b> (2012) ; E181-E190	1,395 (2012.)	KI
72.	Madunić-Čačić, Dubravka; Sak-Bosnar, Milan; Matešić-Puač, Ružica; Samardžić, Mirela. Potentiometric determination of anionic surfactants in formulations containing Cocoamidopropyl Betaine. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 1; 875-885	1,956 (2013.) 3,729 (2011.)	
73.	Marinović, Slavica; Bolanča, Tomislav; Ukić, Šime; Rukavina, Vinko; Jukić, Ante. Prediction of diesel fuel cold properties using artificial neural networks. // <i>Chemistry and technology of fuels and oils</i> . <b>48</b> (2012) , 1; 67-74	0,116 (2012.)	IK
74.	Marinović, Slavica; Krištović, Marko; Špehar, Branka; Rukavina, Vinko; Jukić, Ante. Prediction of diesel fuel properties by vibrational spectroscopy using multivariate analysis. // <i>Journal of analytical chemistry</i> . <b>67</b> (2012) , 12; 939-949	0,616 (2012.)	IK
75.	Mastelić Samardžić, Zrinka; Zrnčević, Stanka. Catalytic hydrogenation in process of 2-((1-benzylpiperidin-4-yl)methyl)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride synthesis: Catalyst screening and optimization of reaction conditions. // <i>Polish journal of chemical technology</i> . <b>14</b> (2012) , 3; 38-47	0,444 (2012.)	KI
76.	Metikoš-Huković, Mirjana; Katić, Jozefina; Milošev, Ingrid. Kinetics of passivity of Nitinol in an acidic solution and the spectroscopic characterisation of passive films. // <i>Journal of solid state electrochemistry</i> . <b>16</b> (2012) , 7; 2503-2513	2,279 (2012.)	IK

77.	Mužek, Mario Nikola; Zelić, Jelica; Jozić, Dražan. Microstructural characteristics of geopolymers based on alkali-activated fly ash. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 2; 89-95	0,569 (2012.)	KI
78.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Polymer modified bitumen. // <i>Materials research innovations</i> . <b>16</b> (2012) , 1; 1-6	0,321 (2012.)	KI
79.	Odak, Barbara; Kosor, Tihomir. Quick method for determination of equilibrium temperature of calcium carbonate dissociation. // <i>Journal of thermal analysis and calorimetry</i> . <b>110</b> (2012) , 2; 991-996	1,982 (2012.)	IK
80.	Peternel, Igor; Koprivanac, Natalija; Grčić, Ivana. Mineralization of p-chlorophenol in water solution by AOPs based on UV irradiation. // <i>Environmental technology</i> . <b>33</b> (2012) , 1; 27-36	1,606 (2012.)	KI
81.	Sakač, Nikola; Gvozdić, Vlatka; Sak-Bosnar, Milan. Determination of the botanical origin of starch using direct potentiometry and PCA. // <i>Carbohydrate polymers</i> . <b>87</b> (2012) , 4; 2619-2623	3,479 (2012.)	IK
82.	Sakač, Nikola; Sak-Bosnar, Milan. Potentiometric study of $\alpha$ -Amylase kinetics using a Platinum redox sensor. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 4; 3008-3017	1,956 (2013.) 3,729 (2011.)	IK
83.	Šalić, Anita; Tušek, Ana; Zelić, Bruno. Application of microreactors in medicine and biomedicine. // <i>Journal of applied biomedicine</i> . <b>10</b> (2012) ; 137-153	0,978 (2012.)	KI
84.	Škalec Šamec, Dijana; Meštrović, Ernest; Sander, Aleksandra. Nucleation kinetics of cis-entacapone. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 163-173	0,569 (2012.)	IK
85.	Šoštarec, Anita; Gosak, Darko; Hlupić, Nikica. Optimization of recipe based batch control systems using neural networks. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 175-190	0,569 (2012.)	KI
86.	Štajdohar, Jasenka; Ristić, Mira; Musić, Svetozar. Development of porous $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> microstructure by forced hydrolysis of FeCl <sub>3</sub> solutions in the presence of AOT. // <i>Journal of alloys and compounds</i> . <b>532</b> (2012) ; 41-48	2,390 (2012.)	IK
87.	Šustić, Igor; Barešić, Jadranka; Šipušić, Juraj. Determination of hardened binder initial composition. // <i>Zement-Kalk-Gips International</i> . <b>65</b> (2012) , 10; 70-78	0,164 (2012.)	KI
88.	Trkmić, Marija; Ćurković, Lidija; Ašperger, Danijela. Chemical analysis of solid residue from liquid and solid fuel combustion : Method development and validation. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>43</b> (2012) , 6; 503-510	0,505 (2012.)	IK
89.	Tušek, Ana; Šalić, Anita; Kurtanjek, Želimir; Zelić, Bruno. Modelling and kinetic parameter estimation of alcohol dehydrogenase catalyzed hexanol oxidation in a microreactor. // <i>Engineering in life sciences</i> . <b>12</b> (2012) , 1; 49-56	1,633 (2012.)	KI
90.	Ujević Andrijić, Željka; Rolich, Tomislav; Bolf, Nenad. Soft sensor development for the estimation of benzene content in catalytic reformat. // <i>Industrial &amp; engineering chemistry research</i> . <b>51</b> (2012) , 7; 3007-3014	2,206 (2012.)	KI



91.	Vrsaljko, Dijana; Haramija, Veronika; Hadži-Skerlev, Anđela. Determination of phenol, m-cresol and o-cresol in transformer oil by HPLC method. // <i>Electric power systems research</i> . <b>93</b> (2012) ; 24-31	1,694 (2012.)	IK
92.	Vuković, Marija; Ćosić, Ivana; Kučić, Dajana; Kopčić, Nina; Briški, Felicita. Biodegradation kinetics of tobacco waste leachate by activated sludge in SBR. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 191-198	0,569 (2012.)	KI
93.	Wittine, Karlo; Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Kraljević Pavelić, Sandra; Sedić, Mirela; Pavelić, Krešimir, Jan; Mintas, Mladen. Novel 1, 2, 4-triazole and imidazole derivatives of L-ascorbic and imino-ascorbic acid: Synthesis, anti-HCV and antitumor activity evaluations. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>20</b> (2012) ; 3675-3685	2,903 (2012.)	IK
94.	Babić, Dinko; Senčar, Jasminka; Petrinc, Branko; Marović, Gordana; Bituh, Tomislav; Skoko, Božena. Fine structure of the absorbed dose rate monitored in Zagreb, Croatia, in the period 1985-2011. // <i>Journal of environmental radioactivity</i> . <b>118</b> (2013) ; 75-79	3,571 (2013.)	IK
95.	Blažek, Vesna; Molčanov, Krešimir; Mlinarić-Majerski, Kata; Kojić-Prodić, Biserka; Basarić, Nikola. Adamantane bisurea derivatives: anion binding in the solution and in the solid state. // <i>Tetrahedron</i> . <b>69</b> (2013) , 2; 517-526	2,817 (2013.)	IK
96.	Brinić, Slobodan; Vladislavić, Nives; Buzuk, Marijo; Bralić, Marija; Šolić, Mislav. Bismuth film random array carbon fiber micro electrodes for determination of cysteine and N-acetyl cysteine. // <i>Journal of electroanalytical chemistry</i> . <b>705</b> (2013) ; 86-90	2,871 (2013.)	IK
97.	Buhin, Zrinka; Lučić Blagojević, Sanja; Leskovac Mirela. In situ emulsion polymerization and characterization of poly(butyl acrylate-co-methyl methacrylate)/silica nanosystems. // <i>Polymer engineering &amp; science</i> . <b>53</b> (2013) , 11; 2292-2298	1,441 (2013.)	KI
98.	Carlotti, Benedetta; Kikaš, Ilijana; Škorić, Irena; Spalletti, Anna; Elisei, Fausto. Photophysics of push-pull distyryl furan, thiophene and pyridine by fast and ultrafast techniques. // <i>ChemPhysChem</i> . <b>14</b> (2013) , 5; 970-981	3,360 (2013.)	IK
99.	Ćosić, Ivana; Vuković, Marija; Gomzi, Zoran; Briški, Felicita. Modelling of kinetics of microbial degradation of simulated leachate from tobacco dust waste. // <i>Chemical Papers</i> . <b>67</b> (2013) , 9; 1138-1145	1,193 (2013.)	KI
100.	Dimitrov, Nino; Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Hrnjak-Murčić, Zlata. Analysis of Recycled PET Bottles Products by Pyrolysis-Gas Chromatography. // <i>Polymer degradation and stability</i> . <b>98</b> (2013) , 5; 972-979	2,633 (2013.)	IK
101.	Dolar, Davor; Košutić, Krešimir; Ignjatić Zokić, Tatjana; Sipos, Laszlo; Markić, Marinko; Župan, Mario. Combined methods of highly polluted industrial wastewater treatment - a case study of high recovery. // <i>Polish journal of environmental studies</i> . <b>22</b> (2013) , 6; 1677-1683	0,600 (2013.)	IK
102.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir; Mutavdžić Pavlović, Dragana. Coating layer effect on performance of thin film nanofiltration membrane in removal of organic solutes. // <i>Separation and purification technology</i> . <b>118</b> (2013) ; 530-539	3,065 (2013.)	IK
103.	Franković-Mihelj, Nirvana; Ukrainczyk, Neven; Leaković, Stjepan; Šipušić, Juraj. Waste Phosphogypsum – toward sustainable reuse in Calcium Sulfoaluminate cement based building materials. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 2; 219-226	0,911 (2013.)	IK
104.	Gabrić, Beata; Sander, Aleksandra; Cvjetko Bubalo, Marina; Macut, Dejan. Extraction of S- and N-compounds from the mixture of hydrocarbons by ionic liquids as selective solvents. // <i>The scientific world journal</i> . <b>2013</b> (2013) , Article Number: 512953; 1-11	1,219 (2013.)	KI
105.	Generalić Mekinić, Ivana; Burčul, Franko; Blažević, Ivica; Skroza, Danijela; Kerum, Daniela; Katalinić, Višnja. Antioxidative / acetylcholinesterase inhibitory activity of some Asteraceae plants. // <i>Natural product communications</i> . <b>8</b> (2013) , 4; 471-474	0,924 (2013.)	IK

106.	Govorčin Bajsić, Emi; Rek, Vesna; Ormuž Pavić, Bojana. The influence of talc content on the thermal and mechanical properties of polyurethane/polypropylene blends. // <i>Journal of elastomers and plastics</i> . <b>45</b> (2013) , 6; 501-522	0,714 (2013.)	KI
107.	Grahek, Željko; Milanović, Ivana; Nodilo, Marijana; Rožmarić, Martina. Sequential separation of Fe and Sr from liquid samples by using Sr resin and rapid determination of 55Fe and 89, 90Sr. // <i>Applied radiation and isotopes</i> . <b>81</b> (2013) ; 42-48	1,056 (2013.)	IK
108.	Hublin, Andrea; Zelić, Bruno. Modelling of the whey and cow manure co-digestion process. // <i>Waste management &amp; research</i> . <b>31</b> (2013) , 4; 353-360	1,114 (2013.)	KI
109.	Ivešić, Martina; Babić, Sandra; Krivohlavek, Adela; Šmit, Zdenko. Determination of cyanuric acid in whey powder using HILIC-MS/MS. // <i>Analytical methods</i> . <b>5</b> (2013) ; 5188-5194	1,938 (2013.)	IK
110.	Jelčić, Želimir; Mastelić Samardžić, Zrinka; Zrnčević, Stanka. Fractal analysis of catalyst surface morphologies on hydrogenation in process of 2-((1-benzylpiperidin-4-yl)methyl)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride synthesis. // <i>Applied catalysis. A, General</i> . <b>456</b> (2013) ; 30-43	3,674 (2013.)	KI
111.	Kassal, Petar; Murković Steinberg, Ivana; Steinberg, Matthew D. Wireless smart tag with potentiometric input for ultra low-power chemical sensing. // <i>Sensors and actuators. B, Chemical</i> . <b>184</b> (2013) ; 254-259	3,840 (2013.)	IK
112.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko; Marciuš, Marijan. Sol-gel derived biphasic calcium phosphate ceramics on Nitinol for medical applications. // <i>International journal of electrochemical science</i> . <b>8</b> (2013) , 1; 1394-1408	1,956 (2013.)	IK
113.	Kerolli-Mustafa, Mihone; Bačić, Ivana; Ćurković, Lidija. Investigation of Jarosite process tailing waste by means of Raman and infrared spectroscopy. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>44</b> (2013) , 9; 768-773	0,433 (2013.)	IK
114.	Kikaš, Ilijana; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of furan and benzofuran derivatives. // <i>Journal of molecular structure</i> . <b>1034</b> (2013) ; 62-68	1,599 (2013.)	IK
115.	Kopčić, Nina; Vuković Domanovac, Marija; Đaković, Zorislav; Briški, Felicita. Composting of tobacco dust in different types of reactors. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 57-64	0,911 (2013.)	KI
116.	Kučić, Dajana; Ćosić, Ivana; Vuković Domanovac, Marija; Briški, Felicita. Sorption Kinetic Studies of Ammonium from Aqueous Solution on Different Inorganic and Organic Media. // <i>Acta chimica Slovenica</i> . <b>60</b> (2013) , 1; 109-119	0,810 (2013.)	KI
117.	Kučić, Dajana; Kopčić, Nina; Briški, Felicita. Zeolite and potting soil sorption of CO2 and NH3 evolved during co-composting of grape and tobacco waste. // <i>Chemical Papers</i> . <b>67</b> (2013) , 9; 1172-1180	1,193 (2013.)	KI
118.	Kurajica, Stanislav; Ćurković, Lidija; Tkalčec, Emilija; Mandić, Vilko. Acid corrosion behavior of sol-gel-prepared Mullite ceramics with and without addition of Lanthanum. // <i>Journal of the American ceramic society</i> . <b>96</b> (2013) , 3; 923-927	2,428 (2013.)	IK
119.	Linarić, Martina; Markić, Marinko; Sipos, Laszlo. High salinity wastewater treatment. // <i>Water science &amp; technology</i> . <b>68</b> (2013) , 6; 1400-1405	1,212 (2013.)	IK
120.	Lučić Blagojević, Sanja; Buhin, Zrinka; Igrac, Ivona. Influence of silica nanofiller on the isothermal crystallization and melting of polyurethane elastomer. // <i>Journal of applied polymer science</i> . <b>129</b> (2013) , 3; 1466-1475	1,640 (2013.)	KI

121.	Matečić Mušanić, Sanja; Sućeska, Muhamed. Dynamic mechanical properties of artificially aged double base rocket propellant and possibilities for prediction of their service lifetime. // <i>Central European journal of energetic materials</i> . <b>10</b> (2013) , 2; 225-244	1,925 (2013.)	KI
122.	Matečić Mušanić, Sanja; Sućeska, Muhamed; Čuljak, Ružica. The applicability of chromatographic methods in the investigation of aging processes in double base rocket propellants. // <i>Central European journal of energetic materials</i> . <b>10</b> (2013) , 2; 245-262	1,925 (2013.)	KI
123.	Meščić, Andrijana; Betzel, Thomas; Müller, Roger; Slavik, Roger; Čermak, Stjepko; Raić-Malić, Silvana; Ametamey M., Simon. Synthesis and biological evaluation of a new acyclic pyrimidine derivative as a probe for imaging herpes simplex virus type 1 thymidine kinase gene expression. // <i>Molecules</i> . <b>18</b> (2013) ; 8535-8549	2,095 (2013.)	IK
124.	Meščić, Andrijana; Glavač, Danijel; Osmanović, Amar; Završnik, Davorka; Cetina, Mario; Makuc, Damjan; Plavec, Janez; Ametamey, M. Simon; Raić-Malić, Silvana. N-alkylated and O-alkylated regioisomers of 5-(hydroxyalkyl)pyrimidines: Synthesis and structural study. // <i>Journal of molecular structure</i> . <b>1039</b> (2013) ; 160-166	1,599 (2013.)	IK
125.	Meščić, Andrijana; Krištafor, Svjetlana; Novaković, Ivana; Osmanović, Amar; Müller, Ursina; Završnik, Davorka; Ametamey, Simon M.; Scapozza, Leonardo; Raić-Malić, Silvana. C-5 hydroxyethyl and hydroxypropyl acyclonucleosides as substrates for thymidine kinase of herpes simplex virus type 1 (HSV-1 TK): Syntheses and biological evaluations. // <i>Molecules</i> . <b>18</b> (2013) , 5; 5104-5124	2,095 (2013.)	IK
126.	Mohler, Ivan; Ujević Andrijić, Željka; Bolf, Nenad; Galinec, Goran. Distillation end point estimation in the diesel fuel production. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 2; 125-132	0,911 (2013.)	KI
127.	Nestić, Marina; Babić, Sandra; Mutavdžić Pavlović, Dragana; Sutlović, Davorka. Molecularly imprinted solid phase extraction for simultaneous determination of $\Delta^9$ -tetrahydrocannabinol and its main metabolites by gas chromatography-mass spectrometry in urine samples. // <i>Forensic science international</i> . <b>231</b> (2013) , 1/3; 317-324	2,115 (2013.)	IK
128.	Novak, Mirjana; Mohler, Ivan; Golob, Marjan; Ujević Andrijić, Željka; Bolf, Nenad. Continuous estimation of kerosene cold filter plugging point using soft sensors. // <i>Fuel processing technology</i> . <b>113</b> (2013) ; 8-19	3,019 (2013.)	IK , KI
129.	Očelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Influence of polymer types on bitumen engineering properties. // <i>Materials research innovations</i> . <b>17</b> (2013) , 3; 189-194	0,473 (2013.)	KI
130.	Očelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Rheological properties and stability of ethylene vinyl acetate polymer-modified bitumen. // <i>Polymer engineering and science</i> . <b>53</b> (2013) , 11; 2276-2283	1,441 (2013.)	KI
131.	Peček, Gorana; Mutavdžić Pavlović, Dragana; Babić, Sandra. Development and validation of a SPE-GC-MS method for the determination of pesticide in surface water. // <i>International journal of environmental analytical chemistry</i> . <b>93</b> (2013) , 12; 1311-1328	1,321 (2013.)	IK
132.	Penović, Tomislav; Sander, Aleksandra; Grozdanić, Vedrana. Spray drying of aqueous solutions of inorganic and organic materials. // <i>Particulate science and technology</i> . <b>31</b> (2013) , 5; 458-465	0,482 (2013.)	KI
133.	Perin, Nataša; Martin Kleiner, Irena; Nhili, Raja; Laine, William; David-Cordonnier, Marie-Hélène; Vugrek, Oliver; Karminski-Zamola, Grace; Kralj, Marijeta; Hranjec, Marijana. Biological activity and DNA binding studies of 2-substituted benzimidazo[1, 2-a]quinolines bearing different amino side chains. // <i>Medicinal chemistry communications</i> . <b>4</b> (2013) ; 1537-1550	2,626 (2013.)	IK
134.	Prić Kardum, Jasna; Hrkovac, Martina; Leskovac, Mirela. Adjustment of process conditions in seeded batch cooling crystallization. // <i>Chemical engineering &amp; technology</i> . <b>36</b> (2013) , 8; 1347-1354	2,175 (2013.)	KI

135.	Ristić, Mira; Opačak, Ivana; Musić, Svetozar. The synthesis and microstructure of goethite particles precipitated in highly alkaline media. // <i>Journal of alloys and compounds</i> . <b>559</b> (2013) ; 49-56	2,726 (2013.)	IK
136.	Ristić, Mira; Fujii, Tatsuo; Hashimoto, Hideki; Opačak, Ivana; Musić, Svetozar. A novel route in the synthesis of magnetite nanoparticles. // <i>Materials letters</i> . <b>100</b> (2013) ; 93-97	2,269 (2013.)	IK
137.	Rogina, Anamarija; Ivanković, Marica; Ivanković, Hrvoje. Preparation and characterization of nano-hydroxyapatite within chitosan matrix. // <i>Materials Science and Engineering. C</i> . <b>33</b> (2013) , 8; 4539-4544	2,736 (2013.)	IK
138.	Sakač, Nikola; Sak-Bosnar, Milan; Horvat, Marija. Direct potentiometric determination of starch using a platinum redox sensor. // <i>Food chemistry</i> . <b>138</b> (2013) , 1; 9-12	3,259 (2013.)	IK
139.	Sopčić, Suzana; Peter, Robert; Petravić, Mladen; Mandić, Zoran. New insights into the mechanism of pseudocapacitance deterioration in electrodeposited MnO <sub>2</sub> under negative potentials. // <i>Journal of power sources</i> . <b>240</b> (2013) ; 252-257	5,211 (2013.)	IK
140.	Sudar, Martina; Valinger, Davor; Findrik, Zvezdana; Vasić-Rački, Đurđa; Kurtanjek, Želimir. Effect of different variables on the efficiency of the baker's yeast cell disruption process to obtain alcohol dehydrogenase activity. // <i>Applied biochemistry and biotechnology</i> . <b>169</b> (2013) , 3; 1039-1055	1,687 (2013.)	KI
141.	Sudar, Martina; Findrik, Zvezdana; Vasić- Rački, Đurđa; Clapés, Pere; Lozano, Carles. Mathematical model for aldol addition catalyzed by two D-fructose-6-phosphate aldolases variants overexpressed in E. coli. // <i>Journal of biotechnology</i> . <b>167</b> (2013) , 3; 191-200	2,884 (2013.)	KI
142.	Sudar, Martina; Findrik Zvezdana; Vasić-Rački, Đurđa; Clapés, Pere; Lozano, Carles. Aldol addition of dihydroxyacetone to N-Cbz-3- aminopropanal catalyzed by two aldolases variants in microreactors. // <i>Enzyme and microbial technology</i> . <b>53</b> (2013) , 1; 38-45	2,966 (2013.)	KI
143.	Šalić, Anita; Pindrić, Katarina; Zelić, Bruno. Bioproduction of food additives hexanal and hexanoic acid in a microreactor. // <i>Applied biochemistry and biotechnology</i> . <b>171</b> (2013) , 8; 2273-2284	1,687 (2013.)	KI
144.	Šalić, Anita; Pindrić Katarina; Hojnik Podrepšek, Gordana; Leitgeb, Maja; Zelić, Bruno. NADH oxidation in a microreactor catalyzed by ADH immobilized on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. // <i>Green processing and synthesis</i> . <b>2</b> (2013) , 6; 569-579	1,125 (2014.)	KI
145.	Šalić, Anita; Ivanković, Mia; Ferk, Elvira; Zelić, Bruno. ADH based NAD <sup>+</sup> regeneration in a microreactor. // <i>Journal of chemical technology and biotechnology</i> . <b>88</b> (2013) , 9; 1721-1729	2,494 (2013.)	KI
146.	Šalić, Anita; Faletar, Petra; Zelić, Bruno. NAD <sup>+</sup> regeneration in a microreactor using permeabilized baker's yeast cells. // <i>Biochemical engineering journal</i> . <b>77</b> (2013) ; 88-96	2,368 (2013.)	KI
147.	Štajdohar, Jasenka; Ristić, Mira; Musić, Svetozar. The effect of experimental conditions on the microstructure of hematite particles precipitated by the forced hydrolysis of FeCl <sub>3</sub> solutions. // <i>Journal of molecular structure</i> . <b>1044</b> (2013) , SI; 290-298	1,599 (2013.)	IK
148.	Švarc, Anera; Ukić, Šime; Radojević Lacković, Sandra; Đuričić, Biljana; Novak, Mirjana; Bolanča, Tomislav. Influence of ultrasonic and microwave irradiation on cation exchange properties of clay material. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 29-35	0,911 (2013.)	IK

149.	Ukić, Šime; Rogošić, Marko; Novak, Mirjana; Šimović, Ena; Tišler, Vesna; Bolanča, Tomislav. Optimization of IC separation based on isocratic- to-gradient retention modeling in combination with sequential searching or evolutionary algorithm. // <i>Journal of analytical methods in chemistry</i> . (2013) ; 549729-1-549729-11; Article ID 549729	0,948 (2013.)	IK
150.	Ukrainczyk, Neven; Franković Mihelj, Nirvana; Šipušić, Juraj. Calcium Sulfoaluminate eco-cement from industrial waste. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 83-93	0,911 (2013.)	IK
151.	Vuković Domanovac, Marija; Ćosić, Ivana; Sojčić, Martina; Briški, Felicita. Treatment of tobacco dust leachate by activated sludge - evaluation of biokinetic parameters. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 51-56	0,911 (2013.)	KI
152.	Aleksić, Maja; Bertoša, Branimir; Nhili, Raja; Depauw, Sabine; Martin-Kleiner, Irena; David-Cordonnier, Marie-Helene; Tomić, Sanja; Kralj, Marijeta; Karminski-Zamola, Grace. Anilides and quinolones with nitrogen-bearing substituents from benzothiophene- and thienothiophene- series: synthesis, photochemical synthesis, cytostatic evaluation, 3D-derived QSAR analysis and DNA-binding properties. // <i>European journal of medicinal chemistry</i> . <b>71</b> (2014) ; 267-281	3,447 (2014.)	IK
153.	Ašperger, Danijela; Tišler, Vesna; Zrnčić, Mirta; Mutavdžić Pavlović, Dragana; Babić, Sandra; Horvat, Alka J. M.; Kaštelan-Macan, Marija. HPLC–DAD–FLD Determination of veterinary pharmaceuticals in pharmaceutical industry wastewater with precolumn derivatization using fluorecamine. // <i>Chromatographia</i> . <b>77</b> (2014) ; 1059-1066	1,411 (2014.)	IK
154.	Bolanča, Tomislav; Ukić, Šime; Novak, Mirjana; Rogošić, Marko. Computer assisted method development in liquid chromatography. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 2; 111-122	0,728 (2014.)	IK
155.	Buljac, Maša; Bogner, Danijela; Bralić, Marija; Periš, Nenad; Buzuk, Marijo; Brinić, Slobodan; Vladislavić, Nives. Cadmium and lead distribution in marine soil sediments, terrestrial soil, terrestrial rock, and atmospheric particulate matter around Split, Croatia. // <i>Analytical letters</i> . <b>47</b> (2014) , 11; 1952-1964	1,030 (2014.)	IK
156.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir. Mass transfer of differently sized organic solutes at spacer covered and permeable nanofiltration wall. // <i>Chemical engineering journal</i> . <b>244</b> (2014) ; 152-159	4,321 (2014.)	IK
157.	Dražević, Emil; Košutić, Krešimir; Freger, Viatcheslav. Permeability and selectivity of reverse osmosis membranes: Correlation to swelling revisited. // <i>Water research</i> . <b>49</b> (2014) ; 444-452	5,528 (2014.)	IK
158.	Dražević, Emil; Košutić, Krešimir; Kolev, Vesselin; Freger, Viatcheslav. Does hindered transport theory apply to desalination membranes?. // <i>Environmental science &amp; technology</i> . <b>48</b> (2014) , 19; 11471-11478	5,330 (2014.)	IK
159.	Faraguna, Fabio; Peter, Robert; Volovšek, Vesna; Jukić, Ante. Synthesis and characterization of alkyl ester functionalized multiwall carbon nanotubes. // <i>Journal of nanoscience and nanotechnology</i> . <b>14</b> (2014) , 8; 6347-6354	1,556 (2014.)	IK
160.	Galović, Olivera; Samardžić, Mirela; Petrušić, Sanja; Sak-Bosnar, Milan. A new sensing material for the potentiometric determination of anionic surfactants in commercial products. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 7; 3802-3818	1,500 (2014.)	IK
161.	Hublin, Andrea; Schneider, Daniel Rolph; Džodan, Janko. Utilization of biogas produced by anaerobic digestion of agro-industrial waste: Energy, economic and environmental effects. // <i>Waste management &amp; research</i> . <b>32</b> (2014) , 7; 626-633	1,297 (2014.)	KI

162.	Kassal, Petar; Šurina, Robert; Vrsaljko, Domagoj; Murković Steinberg, Ivana. Hybrid sol-gel thin films doped with a pH indicator : Effect of organic modification on optical pH response and surface hydrophobicity. // <i>Journal of sol-gel science and technology</i> . <b>69</b> (2014) , 3; 586-595	1,532 (2014.)	IK
163.	Katić, Jozefina; Metikoš-Huković, Mirjana. Correlation between electronic and corrosion properties of the passive oxide film on Nitinol. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 350-356	0,686 (2014.)	IK
164.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Synthesis and characterization of calcium phosphate coatings on Nitinol. // <i>Journal of applied electrochemistry</i> . <b>44</b> (2014) , 1; 87-96	2,409 (2014.)	IK
165.	Kereković, Irena; Milardović, Stjepan; Palčić, Marina; Grabarić, Zorana. Characterization of cysteamine self assembled on gold functionalized with nitrilotriacetic acid and evaluation of copper(II) binding capacity with adsorption transfer stripping voltammetry. // <i>Journal of electroanalytical chemistry</i> . <b>724</b> (2014) ; 103-110	2,729 (2014.)	IK
166.	Kopčić, Nina; Vuković Domanovac, Marija; Kučić, Dajana; Briški, Felicita. Evaluation of laboratory-scale in-vessel co-composting of tobacco and apple waste. // <i>Waste management</i> . <b>34</b> (2014) , 2; 323-328	3,220 (2014.)	KI
167.	Kralik, Gordana; Sak-Bosnar, Milan; Kralik, Zlata; Galović, Olivera. Effect of beta-alanine dietary supplementatiton on concentration of carnosine and quality of broiler muscle tissue. // <i>Journal of poultry science</i> . <b>51</b> (2014) , 2; 151-156	0,802 (2014.)	IK
168.	Magdić, Katja; Kvastek, Krešimir; Horvat-Radošević, Višnja. Impedance of electrochemically modified graphite. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) , 2; 366-375	0,686 (2014.)	IK
169.	Magdić, Katja; Kvastek, Krešimir; Horvat-Radošević, Višnja. Concept of spatial surface heterogeneity in impedance modelling of electrochemically activated glass-like carbon electrode. // <i>Electrochimica acta</i> . <b>117</b> (2014) ; 310-321	4,504 (2014.)	IK
170.	Mandić, Vilko; Tkalčec Čižmek, Emilija; Kurajica, Stanislav. The effect of La2O3 addition on sol-gel derived mullitization. // <i>Journal of the American ceramic society</i> . <b>97</b> (2014) , 7; 2264-2271	2,610 (2014.)	IK
171.	Marušić, Katarina; Hajdari, Zana; Otmačić Ćurković, Helena. Optimizing the preparation procedure of self- assembled monolayer of stearic acid for protection of cupronickel alloy. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 328-339	0,686 (2014.)	IK
172.	Mastelić Samardžić, Zrinka; Jelčić, Želimir; Zrnčević, Stanka. Kinetics and mass transfer in the hydrogenation of 2-((1-benzyl-1, 2, 3, 6-tetrahydropyridin-4-yl)methylene)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride over Pt/C catalyst. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 437-445	0,802 (2014.)	KI
173.	Milovac, Dajana; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: Morphology, mechanical properties and bioactivity. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>34</b> (2014) ; 437-445	3,088 (2014.)	IK
174.	Milovac, Dajana; Gamboa-Martínez Tatiana C.; Ivanković, Marica; Gallego Ferrer, Gloria; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: in vitro cell culture studies. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 264-272	3,088 (2014.)	IK
175.	Mužek, Mario Nikola; Svilović, Sandra; Zelić, Jelica. Fly ash-based geopolymeric adsorbent for copper ion removal from wastewater. // <i>Desalination and water treatment</i> . <b>52</b> (2014) , 13/15; 2519-2526	1,173 (2014.)	KI

176.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Effect of polymer modifiers on the properties of bitumen. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 5; 448-469	0,773 (2014.)	KI
177.	Ocelić Bulatović, Vesna; Rek, Vesna; Marković, Josipa. Rheological properties of bitumen modified with ethylene butylacrylate glycidylmethacrylate. // <i>Polymer engineering and science</i> . <b>54</b> (2014) , 5; 1056-1065	1,520 (2014.)	KI
178.	Palčić, Marina; Milardović, Stjepan; Kereković, Irena; Grabarić, Zorana. Application of nitrilotriacetic acid modified gold electrode for determination of lead in natural waters with differential pulse adsorptive cathodic stripping voltammetry. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 7; 3701-3714	1,500 (2014.)	IK
179.	Perin, Nataša; Nhili, Raja; Ester, Katja; Laine, William; Karminski-Zamola, Grace; Kralj, Marijeta; David-Cordonnier, Marie-Héle`ne; Hranjec, Marijana. Synthesis, antiproliferative activity and DNA binding properties of novel 5-aminobenzimidazo[1,2-a]quinoline-6-carbonitriles. // <i>European journal of medicinal chemistry</i> . <b>80</b> (2014) ; 218-227	3,447 (2014.)	IK
180.	Ptiček Siročić, Anita; Rešček, Ana; Hrnjak-Murgić, Zlata. Polyethylene nanocomposites filled with modified nanoparticles. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 8; 811-817	1,481 (2012.)	KI
181.	Ptiček Siročić, Anita; Rešček, Ana; Ščetar, Mario; Kratožil Krehula, Ljerka; Hrnjak-Murgić, Zlata. Development of low density polyethylene nanocomposites films for packaging. // <i>Polymer bulletin</i> . <b>71</b> (2014) , 3; 705-717	1,438 (2014.)	KI
182.	Pustaj, Gordana; Kapor, Frankica; Kvasnička, Predrag. Inhibition properties and adsorption behavior of olive leaf extract on N80 carbon steel in CO <sub>2</sub> - saturated brine solution. // <i>International journal of materials research</i> . <b>105</b> (2014) , 10; 992-998	0,639 (2014.)	IK
183.	Rogina, Anamarija. Electrospinning process: Versatile preparation method for biodegradable and natural polymers and biocomposite systems applied in tissue engineering and drug delivery. // <i>Applied surface science</i> . <b>296</b> (2014) ; 221-230	2,711 (2014.)	IK
184.	Sander, Aleksandra; Penović, Tomislav. Droplet size distribution obtained by atomization with two-fluid nozzles in a spray dryer. // <i>Chemical engineering &amp; technology</i> . <b>37</b> (2014) , 12; 2073-2084	2,442 (2014.)	KI
185.	Samardžić, Mirela; Galović, Olivera; Petrušić, Sanja; Sak-Bosnar, Milan. The analysis of anionic surfactants in effluents using a DDA-TBP potentiometric sensor. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 11; 6166-6181	1,500 (2014.)	IK
186.	Skoko, Božena; Marović, Gordana; Babić, Dinko. Radioactivity in the Mediterranean flora of the Kaštela Bay, Croatia. // <i>Journal of environmental radioactivity</i> . <b>135</b> (2014) ; 36-43	2,483 (2014.)	IK
187.	Sopčić, Suzana; Mandić, Zoran; Kraljić Roković, Marijana. Some factors influencing power and energy capabilities of RuO <sub>2</sub> supercapacitors. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) , 2; 272-279	0,686 (2014.)	IK
188.	Sović, Irena; Kraljević Pavelić, Sandra; Markova-Car, Elitza; Ilić, Nataša; Nhili, Raja; Depauw, Sabine; David-Cordonnier, Marie-Hélène; Karminski-Zamola, Grace. Novel phenyl and pyridyl substituted derivatives of isoindolines: Synthesis, antitumor activity and DNA binding features. // <i>European journal of medicinal chemistry</i> . <b>87</b> (2014) , 24; 372-385	3,447 (2014.)	IK
189.	Steinberg, Matthew D.; Kassal, Petar; Tkalčec, Biserka; Murković Steinberg, Ivana. Miniaturised wireless smart tag for optical chemical analysis applications. // <i>Talanta</i> . <b>118</b> (2014) ; 375-381	3,545 (2014.)	IK

190.	Stipišić, Angela; Veršić-Bratinčević, Maja; Knezović, Zlatka, Sutlović, Davorka. Metal content in medieval skeletal remains from Southern Croatia. // <i>Journal of archaeological science</i> . <b>46</b> (2014) ; 393-400	2,196 (2014.)	IK
191.	Sudar, Martina; Findrik, Zvezdana; Vuković Domanovac, Marija; Vasić-Rački, Đurđa. Coenzyme regeneration catalyzed by NADH oxidase from <i>Lactococcus lactis</i> . // <i>Biochemical engineering journal</i> . <b>88</b> (2014) ; 12-18	2,467 (2014.)	KI
192.	Sutlović, Davorka; Veršić Bratinčević, Maja; Definis-Gojanović, Marija. Blood alcohol stability in post mortem blood samples. // <i>American journal of forensic medicine and pathology</i> . <b>35</b> (2014) , 1; 55-58	0,701 (2014.)	IK
193.	Šagud, Ivana; Božić, Simona; Marinić, Željko; Šindler-Kulyk, Marija. Photochemical approach to functionalized benzobicyclo[3.2.1]octene structures via fused oxazoline derivatives from 4- and 5-(o-vinylstyryl)oxazoles. // <i>Beilstein journal of organic chemistry</i> . <b>10</b> (2014) ; 2222-2229	2,757 (2014.)	IK
194.	Šagud, Ivana; Šindler-Kulyk, Marija; Spalletti, Anna; Mazzucato, Ugo. Photoisomerization and photocyclization of 5-styryloxazole. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 4; 327-333	0,728 (2014.)	IK
195.	Šalić, Anita; Zelić, Bruno. ADH catalysed hexanol oxidation with fully integrated NADH regeneration performed in microreactors connected in series. // <i>RSC Advances</i> . <b>4</b> (2014) ; 41714-41721	3,840 (2014.)	KI
196.	Šoštarić, Igor; Nežić, Igor; Jović, Franjo; Marcelić, Eugen; Meštrović, Ernest; Zrnčević, Stanka. Modeling-based development of an enantioselective hydrogenation reaction of a sitagliptine intermediate. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 1; 1-11	0,802 (2014.)	KI
197.	Tkalčec, Emilija; Popović, Jasminka; Orlić, Sebastijan; Milardović, Stjepan; Ivanković, Hrvoje. Hydrothermal synthesis and thermal evolution of carbonate-fluorhydroxyapatite scaffold from cuttlefish bones. // <i>Materials science and engineering C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 578-586	3,088 (2014.)	IK
198.	Tusić, Marko; Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa. Operational stability of glucoamylase in continuously operated ultrafiltration membrane reactor – experimental methods and mathematical model. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 473-480	0,802 (2014.)	KI
199.	Ukić, Šime; Mandić, Vilko; Buić, Zdenko; Bolanča, Tomislav; Zelić, Bruno; Kurajica, Stanislav; Novak, Mirjana. Sorption kinetics and structural investigations of acid and alkali pretreated bentonite used for ammonium and phosphate removal from petrochemical wastewater. // <i>Fresenius environmental bulletin</i> . <b>23</b> (2014) , 5; 1260-1270	0,378 (2014.)	IK
200.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography—Part I: Conventional QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 985-996	1,411 (2014.)	IK
201.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part II: Artificial intelligence QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 997-1007	1,411 (2014.)	IK
202.	Vladislavić, Nives; Brinić, Slobodan; Grubač, Zoran; Buzuk, Marijo. Study of bismuth film formation on different carbon based electrodes for possible applicability in electroanalytical determination of cysteine. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 11; 6020-6032	1,500 (2014.)	IK
203.	Vuk, Dragana; Kikaš, Ilijana; Molčanov, Krešimir; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of thiophene and furan derivatives: the impact of the type and position of the heteroatom. // <i>Journal of molecular structure</i> . <b>1063</b> (2014) ; 83-91	1,602 (2014.)	IK



204.	Zrnčić, Mirta; Gros, Meritxell; Babić, Sandra; Kaštelan-Macan, Marija; Barcelo, Damia; Petrović Mira. Analysis of anthelmintics in surface water by ultra high performance liquid chromatography coupled to quadrupole linear ion trap tandem mass spectrometry. // <i>Chemosphere</i> . <b>99</b> (2014) ; 224-232	3,340 (2014.)	IK
205.	Žegarac, Miroslav; Lekšić, Edislav; Šket, Primož; Plavec, Janez; Devčić Bogdanović, Maja; Bučar, Dejan-Krešimir; Dumić, Miljenko; Meštrović, Ernest. A sildenafil cocrystal based on acetylsalicylic acid exhibits an enhanced intrinsic dissolution rate. // <i>Crystal engineering communication</i> . <b>16</b> (2014) ; 32-35	4,034 (2014.)	IK
206.	Babić, Sandra; Zrnčić, Mirta; Ljubas, Davor; Ćurković, Lidija; Škorić, Irena. Photolytic and thin TiO <sub>2</sub> film assisted photocatalytic degradation of sulfamethazine in aqueous solution. // <i>Environmental science and pollution research</i> . <b>22</b> (2015) , 15; 11372-11386	2,828 (2014.)	IK
207.	Bituh, Tomislav; Petrinc, Branko; Skoko, Božena; Vučić, Zlatko; Marović, Gordana. Measuring and modelling the radiological impact of a phosphogypsum deposition site on the surrounding environment. // <i>Arhiv za higijenu rada i toksikologiju</i> . <b>66</b> (2015) ; 31-40	0,932 (2014.)	IK
208.	Blažek Bregović, Vesna; Basarić, Nikola; Mlinarić-Majerski, Kata. Anion binding with urea and thiourea derivatives. // <i>Coordination chemistry reviews</i> . <b>295</b> (2015) ; 80-124	12,239 (2014.)	IK
209.	Blažek Bregović, Vesna; Halasz, Ivan; Basarić, Nikola; Mlinarić-Majerski, Kata. Anthracene adamantylbisurea receptors: switching of anion binding by photocyclization. // <i>Tetrahedron</i> . <b>71</b> (2015) ; 9321-9327	2,641 (2014.)	IK
210.	Budžaki, Sandra; Šalić, Anita; Zelić, Bruno; Tišma, Marina. Enzyme catalyzed biodiesel production from edible and waste cooking oil. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 329-333	0,802 (2014.)	KI
211.	Buljan, Iva; Lázár, Károly; Kosanović, Cleo. Preparation and spectroscopic characterization of iron doped mullite. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 2; 171-178	0,728 (2014.)	IK
212.	Faraguna, Fabio; Siuc, Valentina; Vidović, Elvira; Jukić, Ante. Reactivity ratios and properties of copolymers of 2-ethoxyethyl methacrylate with dodecyl methacrylate or styrene. // <i>Journal of polymer research</i> . <b>22:Article 245</b> (2015) ; 1-11	1,920 (2014.)	IK
213.	Faraguna, Fabio; Vidović, Elvira; Jukić, Ante. Reactivity ratios and copolymer properties of 2-(diisopropylamino)ethyl methacrylate with methyl methacrylate and styrene. // <i>Polymer international</i> . <b>64</b> (2015) ; 1497-1504	2,409 (2014.)	IK
214.	Galović, Olivera; Samardžić, Mirela; Sak-Bosnar, Milan. A new microsensor for the determination of anionic surfactants in commercial products. // <i>International journal of electrochemical science</i> . <b>10</b> (2015) ; 5176-5193	1,500 (2014.)	IK
215.	Galović, Olivera; Samardžić, Mirela; Petrušić, Sanja; Sak-Bosnar, Milan. Application of a new potentiometric sensor for determination of anionic surfactants in wastewater. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 307-313	0,802 (2014.)	IK
216.	Govorčin Bajsić, Emi; Očelić Bulatović, Vesna; Rek, Vesna. The influence of filler treatment on the properties of TPU/PP blends: I. Thermal properties and stability. // <i>Polymer engineering and science</i> . <b>55</b> (2015) , 8; 1920-1930	1,520 (2014.)	KI
217.	Hrkovac, Martina; Prlić Kardum, Jasna; Ukrainczyk, Neven. Influence of NaCl on granulometric characteristics and polymorphism in batch-cooling crystallization of Glycine. // <i>Chemical engineering &amp; technology</i> . <b>38</b> (2015) , 1; 139-146	2,442 (2014.)	KI

218.	Jozanović, Marija; Sakač, Nikola; Jakobović, Danijela; Sak-Bosnar, Milan. Analytical characterization and quantification of histidine dipeptides, carnosine and anserine by modeling of potentiometric titration data. // <i>International journal of electrochemical science</i> . <b>10</b> (2015) ; 5787-5799	1,500 (2014.)	IK
219.	Jozanović, Marija; Medvidović-Kosanović, Martina; Sak-Bosnar, Milan. Voltammetric characterization and determination of histidine dipeptides - carnosine and anserine. // <i>International journal of electrochemical science</i> . <b>10</b> (2015) , 8; 6548-6557	1,500 (2014.)	IK
220.	Kassal, Petar; Kim, Jayoung; Kumar, Rajan; de Araujo, William Reis; Steinberg, Ivana; Steinberg, Matthew; Wang, Joseph. Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. // <i>Electrochemistry communications</i> . <b>56</b> (2015) ; 6-10	4,847 (2014.)	IK
221.	Kerolli-Mustafa, Mihone; Ćurković, Lidija; Fajković, Hana; Rončević, Sanda. Ecological risk assessment of jarosite waste disposal. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 2; 189-196	0,728 (2014.)	IK
222.	Kerolli-Mustafa, Mihone; Fajković, Hana; Rončević, Sanda; Ćurković, Lidija. Assessment of metals risks from different depths of jarosite tailing waste of Trepča Zinc Industry, Kosovo based on BCR procedure. // <i>Journal of geochemical exploration</i> . <b>148</b> (2015) ; 161-168	2,747 (2014.)	IK
223.	Kobetić, Renata; Kazazić, Snježana; Kovačević, Borislav; Glasovac, Zoran; Krstulović, Luka; Bajić, Miroslav; Žinić, Biserka. Mass spectrometry and theoretical studies on N-C bond cleavages in the N-sulfonylamidino Thymine derivatives. // <i>Journal of the American society for mass spectrometry</i> . <b>26</b> (2015) , 5; 833-842	2,945 (2014.)	IK
224.	Magdić, Katja; Kvastek, Krešimir; Horvat-Radošević, Višnja. Impedance approach to activity of hydrogen evolution reaction on spatially heterogeneous GC electrode surfaces: metal free vs. Ru catalysed case. // <i>Electrochimica acta</i> . <b>167</b> (2015) ; 455-469	4,504 (2014.)	IK
225.	Meščić, Andriana; Harej, Anja; Klobučar, Marko; Glavač, Danijel; Cetina, Mario; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Discovery of new acid ceramidase-targeted acyclic 5-alkynyl and 5-heteroaryl uracil nucleosides. // <i>ACS Medicinal Chemistry Letters</i> . <b>6</b> (2015) , 11; 1150-1155	3,120 (2014.)	IK
226.	Panjičko, Mario; Zupančič, Gregor Drago; Zelić, Bruno. Anaerobic biodegradation of raw and pre-treated brewery spent grain utilizing solid state anaerobic digestion. // <i>Acta chimica Slovenica</i> . <b>62</b> (2015) , 4; 818-827	0,686 (2014.)	KI
227.	Parlov Vuković, Jelena; Novak, Predrag; Plavec, Janez; Friedrich, Miha; Pajc Marinić Ljiljana; Hrenar, Tomica. NMR and chemometric characterization of vacuum residues and vacuum gas oils from crude oils of different origin. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 1; 89-95	0,728 (2014.)	IK
228.	Parlov Vuković, Jelena; Srića, Vlasta; Novak, Predrag. Fast determination of diesel fuel oxidation stability by 1H NMR spectroscopy. // <i>Acta chimica Slovenica</i> . <b>62</b> (2015) ; 233-236	0,686 (2014.)	IK
229.	Raić-Malić, Silvana; Meščić, Andriana. Recent trends in 1, 2, 3-triazolo-nucleosides as promising anti-infective and anticancer agents. // <i>Current medicinal chemistry</i> . <b>22</b> (2015) ; 1462-1499	3,853 (2014.)	IK
230.	Ristić, Mira; Opačak, Ivana; Štajdohar, Jasenka; Musić, Svetozar. The influence of CTAB and gum arabic on the precipitation of a-FeOOH in a highly alkaline medium. // <i>Journal of molecular structure</i> . <b>1090</b> (2015) ; 129-137	1,602 (2014.)	IK
231.	Rogina, Anamarija; Rico, Patricia; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. Effect of in situ formed hydroxyapatite on microstructure of freeze-gelled chitosan-based biocomposite scaffolds. // <i>European polymer journal</i> . <b>68</b> (2015) ; 278-287	3,005 (2014.)	IK

232.	Salihović, Mirsada; Osmanović, Amar; Špirtović-Halilović, Selma; Roca, Sunčica; Meščić, Andrijana; Vujišić, Ljubodrag; Trifunović, Snežana; Završnik, Davorka; Sofić, Emin Synthesis, structural, conformational and DFT studies of N-3 and O-4 alkylated regioisomers of 5-(hydroxypropyl)pyrimidine. // <i>Journal of molecular structure</i> . <b>1091</b> (2015) ; 170-176	1,602 (2014.)	IK
233.	Sović, Irena; Viskiđ, Marko; Bertoša, Branimir; Ester, Katja; Kralj, Marijeta; Hranjec, Marijana; Karminski-Zamola, Grace. Exploring antiproliferative activity of heteroaromatic amides and their fused derivatives using 3D-QSAR, synthesis and biological tests. // <i>Monatshefte für Chemie</i> . <b>146</b> (2015) , 9; 1503-1517	1,222 (2014.)	IK
234.	Steinberg, Matthew; Kassal, Petar; Kereković, Irena; Steinberg, Ivana. A wireless potentiostat for mobile chemical sensing and biosensing. // <i>Talanta</i> . <b>143</b> (2015) ; 178-183	3,545 (2014.)	IK
235.	Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Martinović, Tamara; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Snoeck, Robert; Andrei, Graciela; Schols, Dominique; Wittine, Karlo; Mintas, Mladen. Novel halogenated 3-deazapurine, 7-deazapurine and alkylated 9-deazapurine derivatives of L-ascorbic or imino-L-ascorbic acid: Synthesis, antitumour and antiviral activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>102</b> (2015) ; 288-302	3,447 (2014.)	IK
236.	Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa; Soler, Anna; Clapes, Pere. A new concept for production of (3S, 4R)-6- [(benzyloxycarbonyl)amino]-5, 6-dideoxyhex-2-uloose, a precursor of D-fagomine. // <i>RSC Advances</i> . <b>5</b> (2015) ; 69819-69828	3,840 (2014.)	KI
237.	Šagud, Ivana; Antol, Ivana; Marinić, Željko; Šindler-Kulyk, Marija. Photoinduced intramolecular formal [4 + 2] cycloaddition of aryl-substituted o-vinylstyryl-2-oxazoles to form benzo[f]quinoline derivatives: experimental results and theoretical interpretation. // <i>Journal of Organic Chemistry</i> . <b>80</b> (2015) ; 9535-9541	4,721 (2014.)	IK
238.	Šmidt, Marina; Kušić, Hrvoje Juretić, Daria; Novak Stankov, Mirjana; Ukić, Šime; Bolanča, Tomislav; Rogošić, Marko; Lončarić Božić, Ana. Modeling photooxidative degradation of aromatics in water ; optimization study using response surface and structural-relationship approaches. // <i>Industrial &amp; engineering chemistry research</i> . <b>54</b> (2015) , 20; 5427-5441	2,587 (2014.)	IK
239.	Ukić, Šime; Novak, Mirjana; Krilić, Anamarija; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part III: Fuzzy logic QSRR approach. // <i>Chromatographia</i> . <b>78</b> (2015) ; 889-898	1,411 (2014.)	IK
240.	Velić, Natalija; Galović, Olivera; Sak-Bosnar, Milan; Rezić, Tonči; Šantek, Božidar; Stanić, Ana. Optimization of ISEs for simultaneous NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> and NO <sub>2</sub> <sup>-</sup> monitoring in synthetic wastewater using Solver. // <i>Environmental engineering and management journal</i> . <b>14</b> (2015) , 3; 681-688	1,065 (2014.)	IK
241.	Zrnčić, Mirta; Babić, Sandra; Mutavdžić Pavlović, Dragana. Determination of thermodynamic pK <sub>a</sub> values of pharmaceuticals from five different groups using capillary electrophoresis. // <i>Journal of separation science</i> . <b>38</b> (2015) ; 1232-1239	2,737 (2014.)	IK

**Tablica 2.4.3.** Popis radova doktoranada nepovezanih s disertacijom (prije i nakon obrane, u bazi podataka WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 2.4.)

R. br.	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	IF	ST U DI J
1.	Bezić, Nada; Vuko, Elma; Dunkić, Valerija; Ruščić, Mirko; Blažević, Ivica; Burčul, Franko. Antiphytoviral activity of sesquiterpene-rich essential oils from four Croatian teucrium species. // <i>Molecules</i> . <b>16</b> (2011) , 9; 8119-8129	2,386 (2011.)	IK

2.	Generalić, Ivana; Skroza, Danijela; Ljubenkov, Ivica; Katalinić, Ana; Burčul, Franko; Katalinić, Višnja. Influence of the phenophase on the phenolic profile and antioxidant properties of Dalmatian sage. // <i>Food chemistry</i> . <b>127</b> (2011), 2; 427-433	3,655 (2011.)	IK
3.	Kurajica, Stanislav; Mandić, Vilko; Šipušić, Juraj. Thermal evolution of Calcium aluminate gel. // <i>Journal of ceramic science and technology</i> . <b>2</b> (2011), 1; 15-22	0,538 (2014.)	IK
4.	Politeo, Olivera; Botica, Irena; Bilušić, Tea; Jukić, Mila; Carev, Ivana; Burčul, Franko; Miloš, Mladen. Chemical composition and evaluation of acetylcholinesterase inhibition and antioxidant activity of essential oil from Dalmatian endemic species <i>Pinus nigra</i> Arnold ssp. <i>dalmatica</i> (Vis.) Franco. // <i>Journal of Medicinal Plants Research</i> . <b>5</b> (2011), 30; 6590-6596	0,879 (2010.)	IK
5.	Babić, Sandra; Grdiša, Martina; Periša, Martina; Ašperger, Danijela; Šatović, Zlatko; Kaštelan-Macan, Marija. Ultrasound-assisted extraction of pyrethrins from pyrethrum flowers. // <i>Agrochimica (Pisa)</i> . <b>56</b> (2012), 4/5; 193-206	0,310 (2012.)	IK
6.	Bralić, Marija; Buljac, Maša; Buzuk, Marijo; Brinić, Slobodan. Interference effect of various ions on determination of iron with flow injection analysis using the potentiometric technique. // <i>International journal of electrochemical science</i> . <b>7</b> (2012), 4; 2928-2937	1,956 (2013.)  3,729 (2011.)	IK
7.	Bralić, Marija; Buljac, Maša; Periš, Nenad; Buzuk, Marijo; Dabić, Pero; Brinić, Slobodan. Monthly and seasonal variations of NO <sub>2</sub> , SO <sub>2</sub> and black-smoke located within the sport district in urban area, City of Split, Croatia. // <i>Croatica chemica acta</i> . <b>85</b> (2012), 2; 139-145	0,614 (2012.)	IK
8.	Brinić, Slobodan; Buzuk, Marijo; Bralić, Marija; Buljac, Maša; Jozić, Dražan. Cu (II) ion-selective electrode based on mixed Silver-Copper Sulfide: phase structure and electrochemical properties. // <i>International journal of electrochemical science</i> . <b>7</b> (2012), 6; 5217-5230	1,956 (2013.)  3,729 (2011.)	IK
9.	Dolar, Davor; Ignjatić Zokić, Tatjana; Ašperger, Danijela; Košutić, Krešimir; Mutavdžić Pavlović, Dragana. RO/NF membrane treatment of veterinary pharmaceutical wastewater: comparison of results obtained on a laboratory and a pilot scale. // <i>Environmental science and pollution research</i> . <b>19</b> (2012), 4; 1033-1042	2,618 (2012.)	IK
10.	Generalić Mekinić, Ivana; Skroza, Danijela; Ljubenkov, Ivica; Krstulović, Luka; Smole Možina, Sonja; Katalinić, Višnja. Phenolic acids profile, antioxidant and antibacterial activity of Chamomile, Common Yarrow and Immortelle (Asteraceae). // <i>Natural product communications</i> . <b>9</b> (2014), 12; 1745-1748	0,906 (2014.)	IK
11.	Giljanović, Josipa; Prkić, Ante; Bralić, Marija; Brkljača, Mia. Determination of fluoride content in tea infusion by using fluoride ion-selective electrode. // <i>International journal of electrochemical science</i> . <b>7</b> (2012), 4; 2918-2927	1,956 (2013.)  3,729 (2011.)	IK
12.	Jaganjac, Morana; Prah, Iva Ozana; Čipak, Ana; Cindrić, Marina; Mrakovčić, Lidija; Tatzber, Franz; Ilinčić, Petar; Rukavina, Vinko; Spehar, Branka; Parlov Vuković, Jelena; Telen, Sanda; Uchida, Koji; Lulić, Zoran; Žarković, Neven. Effects of bioreactive acrolein from automotive exhaust gases on human cells in vitro. // <i>Environmental toxicology</i> . <b>27</b> (2012), 11; 644-652	2,708 (2012.)	IK
13.	Jović, Dinko; Krmpotić, Darko; Hocenski, Verica. Intercommunication differentiation of production department : KIO Keramika d. o. o. case. // <i>Tehnički vjesnik</i> . <b>19</b> (2012), 2; 421-426	0,601 (2012.)	IK
14.	Jukić, Mila; Burčul, Franko; Carev, Ivana; Politeo, Olivera; Miloš, Mladen. Screening for acetylcholinesterase inhibition and antioxidant activity of selected plants from Croatia. // <i>Natural product research</i> . <b>26</b> (2012), 18; 1703-1707	1,031 (2012.)	IK

15.	Kurajica, Stanislav; Popović, Jasminka; Tkalčec, Emilija, Gržeta, Biserka; Mandić, Vilko. The effect of annealing temperature on the structure and optical properties of sol-gel derived nanocrystalline cobalt aluminate spinel. // <i>Materials chemistry and physics</i> . <b>135</b> (2012) , 2-3; 587-593	2,072 (2012.)	IK
16.	Kurajica, Stanislav; Očko, Tanja; Mandić, Vilko; Cigula Kurajica, Vlasta; Lozić, Iva. Properties and antimicrobial activity of nanosilver deposited cotton fabric coated with $\gamma$ -methacryloxypropyl Trimethoxysilane. // <i>Journal of nano research</i> . <b>20</b> (2012) ; 77-88	0,341 (2012.)	IK
17.	Mašek, Tomislav; Krstulović, Luka; Brozić, Diana; Vranić, Marina; Maurić, Maja; Bajić, Miroslav; Starčević, Kristina. Cow colostrum and early milk enriched with eicosapentaenoic and docosahexaenoic fatty acid. // <i>European food research and technology</i> . <b>238</b> (2014) , 4; 635-630	1,559 (2014.)	IK
18.	Mutavdžić Pavlović, Dragana; Pinušić, Tea; Periša Martina; Babić, Sandra. Optimization of matrix solid-phase dispersion for liquid chromatography tandem mass spectrometry analysis of 12 pharmaceuticals in sediments. // <i>Journal of Chromatography A</i> . <b>1258</b> (2012) ; 1-15	4,612 (2012.)	IK
19.	Novak, Predrag; Jednačak, Tomislav; Parlov Vuković, Jelena; Zangger, Klaus; Rubčić, Mirta; Galić, Nives; Hrenar, Tomica. Synthesis, structural characterization and hydrogen bonding of mono(salicylidene)carbohydrazide. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 4; 451-456	0,614 (2012.)	IK
20.	Politeo, Olivera; Skočibušić, Mirjana; Carev, Ivana; Burčul, Franko; Jerković, Igor; Sarolić, Mladenka; Miloš, Mladen. Phytochemical profiles of volatile constituents from <i>Centaurea ragusina</i> leaves and flowers and their antimicrobial effects. // <i>Natural product communications</i> . <b>7</b> (2012) , 8; 1087-1090	0,956 (2012.)	IK
21.	Prkić, Ante; Giljanović, Josipa; Bralić, Marija; Boban, Katarina. Direct potentiometric determination of fluoride species by using ion-selective fluoride electrode. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 2; 1170-1179	1,956 (2013.)  3,729 (2011.)	IK
22.	Radić, Njedomir; Prkić, Ante. Historical remarks on the Henderson-Hasselbalch equation: its advantages and limitations and a novel approach for exact pH calculation in buffer region. // <i>Reviews in analytical chemistry</i> . <b>31</b> (2012) , 2; 93-98	0,436 (2012.)	IK
23.	Sakač, Nikola; Sak-Bosnar, Milan. A rapid method for the determination of honey diastase activity. // <i>Talanta</i> . <b>93</b> (2012) ; 135-138	3,498 (2012.)	IK
24.	Sak-Bosnar, Milan; Sakač, Nikola. Direct potentiometric determination of diastase activity in honey. // <i>Food chemistry</i> . <b>135</b> (2012) , 2; 827-831	3,334 (2012.)	IK
25.	Schneider, Daniel Rolph; Kirac, Mislav; Hublin, Andrea. Cost-effectiveness of GHG emission reduction measures and energy recovery from municipal waste in Croatia. // <i>Energy (Oxford)</i> . <b>48</b> (2012) , 1; 203-211	3,651 (2012.)	KI
26.	Šoljić Jerbić, Ivana; Parlov Vuković, Jelena; Jukić, Ante. Production and application properties of dispersive viscosity index improvers. // <i>Industrial &amp; engineering chemistry research</i> . <b>51</b> (2012) , 37; 11914-11923	2,206 (2012.)	IK
27.	Vrankić, Martina; Gržeta, Biserka; Mandić, Vilko; Tkalčec, Emilija; Milošević, Slobodan; Čeh, Miran; Rakvin, Boris. Structure, microstructure and photoluminescence of nanocrystalline Ti-doped gahnite. // <i>Journal of alloys and compounds</i> . <b>543</b> (2012) ; 213-220	2,390 (2012.)	IK
28.	Adžamić, Zoran; Adžamić, Tamara; Mužić, Marko; Sertić-Bionda, Katica. Optimization of the n-hexane isomerization process using response surface methodology. // <i>Chemical engineering research &amp; design</i> . <b>91</b> (2013) , 1; 100-105	2,281 (2013.)	KI

29.	Babić, Sandra; Periša, Martina; Škorić, Irena. Photolytic degradation of norfloxacin, enrofloxacin and ciprofloxacin in various aqueous media. // <i>Chemosphere</i> . <b>91</b> (2013) , 11; 1635-1642	3,499 (2013.)	IK
30.	Blažević, Ivica; Burčul, Franko; Ruščić, Mirko; Mastelić, Josip. Glucosinolates, volatile constituents, and acetylcholinesterase inhibitory activity of <i>Alyssoides utriculata</i> . // <i>Chemistry of natural compounds</i> . <b>49</b> (2013) , 2; 374-378	0,500 (2013.)	IK
31.	Bošković, Perica; Sokol, Vesna; Tomaš, Renato; Prkić, Ante. Conductometric study of potassium chloride in ethanol - water mixtures. // <i>International journal of electrochemical science</i> . <b>8</b> (2013) , 9; 10961-10975	1,956 (2013.)	IK
32.	Brkljača, Mia; Giljanović, Josipa; Prkić, Ante. Determination of metals in olive oil by electrothermal atomic absorption spectrometry : validation and uncertainty measurements. // <i>Analytical letters</i> . <b>46</b> (2013) , 18; 2912-2926	1,019 (2013.)	IK
33.	Dolar, Davor; Periša, Martina; Košutić, Krešimir; Babić, Sandra. NF/RO removal of enrofloxacin and its photodegradation products from water. // <i>Desalination and Water Treatment</i> . <b>51</b> (2013) , 1/3; 469-475	0,987 (2013.)	IK
34.	Dolar, Davor; Košutić, Krešimir; Periša, Martina; Babić, Sandra. Photolysis of enrofloxacin and removal of its photodegradation products from water by reverse osmosis and nanofiltration membranes. // <i>Separation and purification technology</i> . <b>115</b> (2013) ; 1-8	3,065 (2013.)	IK
35.	Doležal, Dubravka; Alar, Vesna; Borko, Tihomir. Inhibition of carbon steel corrosion by imidazoline in carbon dioxide saturated oilfield brine solution. // <i>Materialwissenschaft und Werkstofftechniken</i> . <b>44</b> (2013) , 7; 626-632	0,433 (2013.)	IK
36.	Filipović, Josip; Grčić, Ivana; Bermanec, Vladimir; Kniewald, Goran. Monitoring of total metal concentration in sludge samples: Case study for the mechanical-biological wastewater treatment plant in Velika Gorica, Croatia. // <i>Science of the total environment</i> . <b>447</b> (2013) ; 17-24	3,163 (2013.)	KI
37.	Grčić, Ivana; Li Puma, Gianluca. Photocatalytic degradation of water contaminants in multiple photoreactors and the evaluation of reaction kinetics constants independent of photon absorption, irradiance, reactor geometry and hydrodynamics. // <i>Environmental science &amp; technology</i> . <b>47</b> (2013) , 23; 13702-13711	5,481 (2013.)	KI
38.	Grčić, Ivana; Papić, Sanja; Koprivanac, Natalija. Sonochemical effectiveness factor (eUS) in the reactors for wastewater treatment by sono-Fenton oxidation: Novel considerations. // <i>Ultrasonics sonochemistry</i> . <b>20</b> (2013) , 4; 1037-1045	3,816 (2013.)	KI
39.	Grčić, Ivana; Vujević, Dinko; Žižek, Krunoslav; Koprivanac, Natalija. Treatment of organic pollutants in water using TiO <sub>2</sub> powders: Photocatalysis vs. Sonocatalysis. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>109</b> (2013) , 2; 335-354	0,983 (2013.)	KI
40.	Grdiša, Martina; Babić, Sandra; Periša, Martina; Carović-Stanko, Klaudija; Kolak, Ivan; Liber, Zlatko; Jug-Dujaković, Marija; Šatović, Zlatko. Chemical diversity of the natural populations of Dalmatian pyrethrum ( <i>Tanacetum cinerariifolium</i> /Trevir. /Sch. Bip.) in Croatia. // <i>Chemistry &amp; biodiversity</i> . <b>10</b> (2013) , 3; 460-472	1,795 (2013.)	IK
41.	Hranjec, Marijana; Sović, Irena; Ratkaj, Ivana; Pavlović, Gordana; Ilić, Nataša; Valjalo, Linda; Pavelić, Krešimir; Kraljević Pavelić, Sandra; Karminski-Zamola, Grace. Antiproliferative potency of novel benzofuran-2-carboxamides on tumor cell lines : cell death mechanisms and determination of crystal structure. // <i>European journal of medicinal chemistry</i> . <b>59</b> (2013) ; 111-119	3,432 (2013.)	IK
42.	Kovač-Andrić, Elvira; Radanović, Tatjana; Topalović, Iva; Marković, Berislav; Sakač, Nikola. Temporal variations in concentrations of ozone, nitrogen dioxide, and carbon monoxide at Osijek, Croatia. // <i>Advances in meteorology</i> . <b>2013</b> (2013) , Article Number: 469786; 469786-1-469786-7	1,348 (2013.)	IK

43.	Mandić, Vilko; Očko, Tanja; Matijašić, Gordana; Kurajica, Stanislav. Sol-gel derived mixed metal oxide sorbents for high temperature gas desulfurization. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 43-49	0,911 (2013.)	IK
44.	Periša, Martina; Babić, Sandra; Škorić, Irena; Frömel, Tobias; Knepper, Thomas P. Photodegradation of sulfonamides and their N4- acetylated metabolites in water by simulated sunlight irradiation: Kinetics and identification of photoproducts. // <i>Environmental science and pollution research international</i> . <b>20</b> (2013) , 12; 8934-8946	2,757 (2013.)	IK
45.	Politeo, Olivera; Skočibušić, Mirjana; Burčul, Franko; Maravić, Ana; Carev, Ivana; Ruščić, Mirko; Miloš, Mladen. Campanula portenschlagiana Roem. et Schult. : Chemical and Antimicrobial Activities. // <i>Chemistry &amp; biodiversity</i> . <b>10</b> (2013) , 6; 1072-1080	1,795 (2013.)	IK
46.	Prkić, Ante; Giljanović, Josipa; Petričević, Sandra; Brkljača, Mia; Bralić, Marija. Determination of cadmium, chromium, copper, iron, lead, magnesium, manganese, potassium and zinc in mint tea leaves by electrothermal atomizer atomic absorption spectrometry in samples purchased at local supermarkets and marketplaces. // <i>Analytical letters</i> . <b>46</b> (2013) , 2; 367-378	1,019 (2013.)	IK
47.	Prkić, Ante; Sokol, Vesna; Bošković, Perica. Conductometric study of cesium bromide in aqueous butan-2-ol of lower mass fraction. // <i>International journal of electrochemical science</i> . <b>8</b> (2013) , 4; 4886-4900	1,956 (2013.)	IK
48.	Sović, Irena; Pavlović, Gordana; Papadopoulos, G.Anastasios; Šišak, Dubravka; Karminski-Zamola; Grace. 2-substituted-1H-perimidines: synthesis, crystal structure and DFT calculations. // <i>Journal of molecular structure</i> . <b>1041</b> (2013) ; 156-163	1,599 (2013.)	IK
49.	Ukrainczyk, Neven; Rogina, Anamarija. Styrene-butadiene latex modified calcium aluminate cement mortar. // <i>Cement &amp; concrete composites</i> . <b>41</b> (2013) ; 16-23	2,760 (2013.)	IK
50.	Bošković, Perica; Sokol, Vesna; Prkić, Ante; Giljanović, Josipa. Conductometric study of sodium chloride in aqueous 2- methylpropan-2-ol of mass fraction 0.10, 0.30, 0.50, 0.70, 0.80 and 0.90. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 7; 3574-3587	1,500 (2014.)	IK
51.	Bralić, Marija; Buzuk, Marijo; Buljac, Maša; Brinić, Slobodan. Potentiometric studies on chemically and electrochemically prepared Sulfide active materials for determination of Copper(II). // <i>International journal of electrochemical science</i> . <b>9</b> (2014) ; 4854-4865	1,500 (2014.)	IK
52.	Grčić, Ivana; Papić, Sanja; Mesec, Danijela; Koprivanac, Natalija; Vujević, Dinko. The kinetics and efficiency of UV assisted advanced oxidation of various types of commercial organic dyes in water. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>273</b> (2014) ; 49-58	2,495 (2014.)	KI
53.	Jednačak, Tomislav; Novak, Predrag; Hodžić, Aden; Scheibelhofer, Otto; Khinast, Johannes G.; Plavec, Janez; Šket, Primož; Parlov Vuković, Jelena. Condensation reaction between carbonylhydrazide and salicylaldehyde: in-line vibrational spectroscopy monitoring and characterization of the reaction products in solution and solid state. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) , 1; 161-169	0,686 (2014.)	IK
54.	Jurić, Antonija; Prkić, Ante; Giljanović, Josipa; Brkljača, Mia; Sokol, Vesna; Bošković, Perica; Vukušić, Tina. Determination of total fluoride content in teas by using fluoride ion-selective electrode. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 10; 5409-5415	1,500 (2014.)	IK
55.	Katančić, Zvonimir; Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Grozdanić, Vedrana; Hrnjak-Murgić, Zlata. Effect of modified nanofillers on fire retarded HDPE/Wood composites. // <i>Journal of composite materials</i> . <b>48</b> (2014) , 30; 3771-3783	1,173 (2014.)	KI
56.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata. Flammability and thermal properties of zeolite filled high-impact polystyrene composites. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 14; 1487-1493	1,481 (2012.)	KI

57.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murđić, Zlata; Jelenčić, Jasenka. Thermal decomposition of fire-retarded high-impact polystyrene and high-impact polystyrene/ethylene-vinyl acetate blend nanocomposites followed by thermal analysis. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 3; 233-252	0,773 (2014.)	KI
58.	Katić, Jozefina; Metikoš-Huković, Mirjana; Škapin, Srečo Davor; Petravić, Mladen; Varašanec, Marijana. The potential-assisted deposition as valuable tool for producing functional apatite coatings on metallic materials. // <i>Electrochimica acta</i> . <b>127</b> (2014) ; 173-179	4,504 (2014.)	IK
59.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Ptiček Siročić, Anita; Hrnjak-Murđić, Zlata. Weathering of high density polyethylene-wood plastic composites. // <i>Journal of wood chemistry and technology</i> . <b>34</b> (2014) , 1; 39-54	1,588 (2014.)	KI
60.	Kurajica, Stanislav; Popović, Jasminka; Gazivoda, Tatjana; Tkalčec Čizmek, Emilija; Simčić, Ivan; Mandić, Vilko; Altomare, Angela; Moliterni, Anna; Rocquefelte, Xavier. A structural investigation of tris(ethyl acetoacetate)aluminium (III). // <i>Journal of sol-gel science and technology</i> . <b>71</b> (2014) ; 217-223	1,532 (2014.)	IK
61.	Kurajica, Stanislav; Škorić, Irena; Lozić, Iva; Mandić, Vilko. Ethyl acetoacetate ligand distribution in the course of titanium n-butoxide chelation. // <i>Materials chemistry and physics</i> . <b>147</b> (2014) , 3; 1058-1067	2,259 (2014.)	IK
62.	Periša, Martina; Babić, Sandra. Simultaneous determination of pharmaceuticals and some of their metabolites in wastewaters by high performance liquid chromatography-tandem mass spectrometry. // <i>Journal of separation science</i> . <b>37</b> (2014.) ; 1289-1296	2,737 (2014.)	IK
63.	Ptiček Siročić, Anita; Kratofil Krehula, Ljerka; Katančić, Zvonimir; Hrnjak-Murđić, Zlata. Kinetic analysis of thermal and thermo-oxidative degradation of polyethylene (nano)composites. // <i>Composite interfaces</i> . <b>21</b> (2014) , 3; 179-189	0,726 (2014.)	KI
64.	Sakač, Nikola; Regušić, Lidija; Sak-Bosnar, Milan; Jozanović, Marija; Breslauer, Nevenka. Direct potentiometric determination of ptyalin in saliva. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) ; 7097-7109	1,500 (2014.)	IK
65.	Sutlović, Davorka; Ščepanović, Antonija; Bošnjak, Marinko; Veršić-Bratinčević, Maja; Definis-Gojanović, Marija. The role of alcohol in road traffic accidents with fatal outcome : ten-year period in Croatia Split-Dalmatia County. // <i>Traffic injury prevention</i> . <b>15</b> (2014) , 3; 222-227	1,413 (2014.)	IK
66.	Šubarić, Drago; Ačkar, Đurđica; Babić, Jurislav; Sakač, Nikola; Jozinović, Antun. Modification of wheat starch with succinic acid/acetic anhydride and azelaic acid/acetic anhydride mixtures I. Thermophysical and pasting properties.. // <i>Journal of food science and technology</i> . <b>51</b> (2014.) , 10; 2616-2623	2,203 (2014.)	IK
67.	Vrdoljak, Višnja; Pisk, Jana; Agustin, Dominique; Novak, Predrag; Parlov Vuković, Jelena; Matković-Čalogović, Dubravka. Dioxomolybdenum(VI) and dioxotungsten(VI) complexes chelated with the ONO tridentate hydrazone ligand: synthesis, structure and catalytic epoxidation activity. // <i>New journal of chemistry</i> . <b>38</b> (2014) ; 6176-6185	3,086 (2014.)	IK
68.	Basarić, Nikola; Thomas, S. Suma; Blažek Bregović, Vesna; Cindro, Nikola; Bohne, Cornelia. Phototautomerization in pyrrolylphenylpyridine terphenyl systems. // <i>Journal of organic chemistry</i> . <b>80</b> (2015) , 9; 4430-4442	4,721 (2014.)	IK
69.	Bralić, Marija; Buljac, Maša; Prkić, Ante; Buzuk, Marijo; Brinić, Slobodan. determination fluoride in products for oral hygiene using flow-injection (FIA) and continuous analysis (CA) with home-made FISE. // <i>International journal of electrochemical science</i> . <b>10</b> (2015) ; 2253-2264	1,500 (2014.)	IK
70.	Ferati, Flora; Kerolli-Mustafa, Mihone; Kraja-Ylli, Arjana. Assessment of heavy metal contamination in water and sediments of Trepca and Sitnica rivers, Kosovo, using pollution indicators and multivariate cluster analysis. // <i>Environmental monitoring and assessment</i> . <b>187</b> (2015) , 6, Article Number: 338	1,679 (2014.)	IK



71.	Katić, Jozefina; Metikoš-Huković, Mirjana; Milošev, Ingrid. Ionic and electronic conductivity of the anodic films on nickel. // <i>Journal of the electrochemical society</i> . <b>162</b> (2015) , 14; C767-C774	3,266 (2014.)	IK
72.	Katić, Jozefina; Metikoš-Huković, Mirjana; Peter, Robert; Petravić, Mladen. The electronic structure of the $\alpha$ -Ni(OH) <sub>2</sub> films: Influence on the production of the high-performance Ni-catalyst surface. // <i>Journal of power sources</i> . <b>282</b> (2015) ; 421-428	6,217 (2014.)	IK
73.	Katić, Višnja; Mandić, Vilko; Ježek, Damir; Baršić, Gorana; Špalj, Stjepan. Influence of various fluoride agents on working properties and surface characteristics of uncoated, rhodium coated and nitrified nickel- titanium orthodontic wires. // <i>Acta odontologica scandinavica</i> . <b>73</b> (2015) , 4; 241-249	1,030 (2014.)	IK
74.	Kerolli-Mustafa, Mihone; Lajqi-Makolli, V.; Berisha-Shala, S.; Latifie, L.; Malollari, I.; Morina, I. Biomass and biofuel overview. A global sustainability challenge. // <i>Journal of environmental protection and ecology</i> . <b>16</b> (2015) , 1; 222-232	0,838 (2014.)	IK
75.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Marić, Gojko; Hrnjak-Murđić, Zlata. Study of fire retardancy, thermal and mechanical properties of HDPE-wood composites. // <i>Journal of wood chemistry and technology</i> . <b>35</b> (2015) , 6; 412-423	1,588 (2014.)	KI
76.	Lajqi-Makolli, V.; Kerolli-Mustafa, Mihone; Malollari, I.; Lajqi, J. Migration of di-(2-ethylhexyl)adipate (DEHA) and acetyl tributyl citrate (ATBC) plasticizers from PVC film into the food stimulant of isooctane. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>46</b> (2015) , 1; 16-23	0,425 (2014.)	IK
77.	Lazić, Vedrana; Jurković, Mihaela; Jednačak, Tomislav; Hrenar, Tomica; Parlov Vuković, Jelena; Novak, Predrag. Intra- and intermolecular hydrogen bonding in acetylacetone and benzoylacetone derived enamionone derivatives. // <i>Journal of molecular structure</i> . <b>1079</b> (2015) ; 243-249	1,602 (2014.)	IK
78.	Le Cunff, Jérôme; Tomašić, Vesna; Wittine, Ozren. Photocatalytic degradation of the herbicide terbuthylazine: Preparation, characterization and photoactivity of the immobilized thin layer of TiO <sub>2</sub> /chitosan. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>309</b> (2015) ; 22-29	2,495 (2014.)	KI
79.	Mandić, Vilko; Kurajica, Stanislav. The influence of solvents on sol-gel derived calcium aluminate. // <i>Materials science in semiconductor processing</i> . <b>38</b> (2015) ; 306-313	1,955 (2014.)	IK
80.	Periš, Nenad; Buljac, Maša; Bralić, Marija; Buzuk, Marijo; Brinić, Slobodan; Plazibat, Ivana. Characterization of the air quality in Split, Croatia focusing upon fine and coarse particulate matter analysis. // <i>Analytical letters</i> . <b>48</b> (2015) , 3; 553-565	1,030 (2014.)	IK
81.	Sakač, Nikola; Karnaš, Maja; Grčić, Magdalena. Direct potentiometric method for human stress determination. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 315-321	0,802 (2014.)	IK
82.	Selmani, Atiđa; Coha, Ivana; Magdić, Katja; Čolović, Božana; Jakanović, Vukoman; Šegota, Suzana; Gajović, Srećko; Gajović, Andreja; Jurašin, Darija; Dutour Sikirić, Maja. Multiscale study of the cationic surfactants influence on amorphous calcium phosphate precipitation. // <i>Crystal engineering communication</i> . <b>17</b> (2015) ; 8529-8548	4,034 (2014.)	IK
83.	Starčević, Kristina; Krstulović, Luka; Brozić, Diana; Maurić, Maja; Stojević, Zvonko; Mikulec, Željko; Bajić, Miroslav; Mašek Tomislav. Production performance, meat composition and oxidative susceptibility in broiler chicken fed with different phenolic compounds. // <i>Journal of the science of food and agriculture</i> . <b>95</b> (2015) ; 1172-1178	1,714 (2014.)	IK
84.	Vrdoljak, Višnja; Prugovečki, Biserka; Pulić, Ivana; Cigler, Marko; Sviben, Dora; Parlov Vuković, Jelena; Novak, Predrag; Matković- Čalogović, Dubravka; Cindrić, Marina. Dioxidomolybdenum(VI) complexes with isoniazid-related hydrazones: solution-based, mechanochemical and UV-light assisted deprotonation. // <i>New journal of chemistry</i> . <b>39</b> (2015) ; 7322-7332	3,086 (2014.)	IK

85.	Vukušić, Tina; Prkić, Ante; Giljanović, Josipa; Sokol, Vesna; Bošković, Perica. Direct potentiometric determination of penicillamine in real samples by using copper ISE. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 3; 255-258	0,728 (2014.)	IK
-----	---	------------------	----

**Tablica 2.4.3.** Popis radova doktoranada povezanih s disertacijom (prije i nakon obrane, u bazi podataka SCOPUS, bez onih u WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 2.4.)

R. br.	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	IF	ST U DI J
1.	Parlov Vuković, Jelena; Srića, Vlasta; Novak, Predrag. Primjena spektroskopije NMR u analizi naftnih derivata i proizvoda. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>61</b> (2012) , 11-12; 513-522	-	IK
2.	Šalić, Anita; Tušek, Ana; Zelić, Bruno. Application of microreactors in medicine and biomedicine. // <i>Journal of applied biomedicine</i> . <b>10</b> (2012) ; 137-153	0,978 (2012.)	KI
3.	Vuković, Marija; Ćosić, Ivana; Kolačko, Kristijan; Briški; Felicita. Kinetika biorazgradnje organskih tvari u procjednoj vodi iz duhanskog otpada. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 9-10; 417-425.	-	KI
4.	Dražević, Emil; Košutić, Krešimir. Utjecaj hidrodinamičkih uvjeta u membranskom uređaju na separacijsku učinkovitost reverzno osmotskih i nanofiltracijskih membrana. // <i>Hrvatske vode</i> . <b>85</b> (2013) ; 205-214	-	IK
5.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Nitinol modified by Calcium Phosphate coatings prepared by Sol-Gel and electrodeposition methods. // <i>ECS Transactions</i> . <b>53</b> (2013) ; 83-93	-	IK
6.	Magdić, Katja; Horvat-Radošević, Višnja. Uloga elektrokemijske impedancijske spektroskopije u karakterizaciji elektroda i uređaja za pretvorbu i skladištenje energije. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>62</b> (2013) , 3-4; 81-91	-	IK
7.	Wittine, Ozren; Maduna Valkaj, Karolina, Zrnčević, Stanka. Obrada fenolne otpadne vode katalitičkim oksidacijskim procesima. // <i>Hrvatske vode</i> . <b>22</b> (2014) , 90; 287-296	-	KI
8.	Maduna Valkaj, Karolina; Wittine, Ozren; Katović, Andrea. Katalitička oksidacija fenola uz zeolitni Cu/Y-5 katalizator: 1. priprava i karakterizacija katalizatora. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 1-2; 1-10	-	KI

**Tablica 2.4.4.** Popis radova doktoranada nepovezanih s disertacijom (prije i nakon obrane, u bazi podataka SCOPUS, bez onih u WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 2.4.)

R. br.	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	IF	ST U DI J
1.	Benci, Krešimir; Suhina, Tomislav; Mandić, Leo; Kraljević Pavelić, Sandra; Tomljenović Paravić, Andrea; Pavelić, Krešimir; Balzarini, Jan; Wittine, Karlo; Mintas, Mladen. Novel 1, 2, 4-triazole and purine acyclic cyclopropane nucleoside analogues : synthesis, antiviral and cytostatic activity evaluations. // <i>Antiviral Chemistry &amp; Chemotherapy</i> . <b>21</b> (2011) ; 221-230	-	IK

2.	Petrovečki, Vedrana; Čarapina, Mirela; Strinović, Davor; Kovačić, Zdravko; Nestić, Marina; Mayer, Davor; Brkić, Hrvoje. Diskoloracije i erozije zuba kao posljedica ovisnosti o kombiniranom analgetiku. // <i>Acta stomatologica Croatica</i> . <b>45</b> (2011) , 4; 287-294	-	IK
3.	Politeo, Olivera; Botica, Irena; Bilušić, Tea; Jukić, Mila; Carev, Ivana; Burčul, Franko; Miloš, Mladen. Chemical composition and evaluation of acetylcholinesterase inhibition and antioxidant activity of essential oil from Dalmatian endemic species <i>Pinus nigra</i> Arnold ssp. <i>dalmatica</i> (Vis.) Franco. // <i>Journal of Medicinal Plants Research</i> . <b>5</b> (2011) , 30; 6590-6596	0,879 (2010.)	IK
4.	Schneider, Daniel Rolph; Kirac, Mislav; Hublin, Andrea. GHG reduction potential in waste management in Croatia. // <i>Management of environmental quality</i> . <b>24</b> (2013) , 6; 738-754	-	KI
5.	Vidić Štrac, Ivona; Žuntar, Irena; Dimitrov, Nino; Puklek, Maja. Etilenglikol i dietilenglikol u zubnim pastama na hrvatskom tržištu. // <i>Farmaceutski glasnik : glasilo Hrvatskog farmaceutskog društva</i> . <b>69</b> (2013) , 5; 319-331	-	IK
6.	Govorčin Bajsić, Emi; Filipan, Veljko; Očelić Bulatović, Vesna. Effect of Silane treated and untreated talc on the properties of thermoplastic Polyurethane/Polypropylene blends. // <i>Advanced materials research</i> . <b>849</b> (2014) ; 121-126	-	KI
7.	Očelić Bulatović, Vesna; Govorčin Bajsić, Emi; Filipan, Veljko. Compatibilization of thermoplastic Polyurethane and Polypropylene with a SEBS compatibilizer. // <i>Advanced materials research</i> . <b>1025-1026</b> (2014) ; 605-614	-	KI
8.	Faraguna, Fabio; Jukić, Ante. Novi petrokemijski procesi na temelju izravne pretvorbe metana. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 1-2; 27-37	-	IK
9.	Grčić, Ivana; Vrsaljko, Domagoj; Katančić, Zvonimir; Papić, Sanja Purification of household greywater loaded with hair colorants by solar photocatalysis using TiO <sub>2</sub> -coated textile fibers coupled flocculation with chitosan. // <i>Journal of water process engineering</i> . <b>5</b> (2015) ; 15-27	-	KI
10.	Kralik, Gordana; Sak-Bosnar, Milan; Kralik, Zlata; Galović, Olivera; Grčević, Manuela, Kralik, Igor. Effect of $\beta$ -alanine and L-histidine on concentration of carnosine in muscle tissue and oxidative stability of chicken meat. // <i>Poljoprivreda (Osijek)</i> . <b>21</b> (2015) , 1 (Dodatak); 190-194	-	IK
11.	Krstulović, Luka; Saftić, Dijana; Matić, Josipa; Bajić, Miroslav; Žinić Biserka. 1, 3-Dipolarna cikloadicija (II. dio): Trokomponentne Cu(I) katalizirane klik-reakcije. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 9-10; 499-512	-	IK
12.	Maduna Valkaj, Karolina; Mandić, Vilko; Katović, Andrea. Katalitička oksidacija fenola uz zeolitni Cu/Y- 5 katalizator: 2. utjecaj postsintetske termičke i kemijske obrade. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 3-4; 109-116	-	IK
13.	Orlović-Leko, Palma; Trkmić, Marija; Galić, Ivo; Bakija, Antonio. Emisijski faktori CO <sub>2</sub> ugljena. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 3-4; 143-149	-	IK
14.	Saftić, Dijana; Krstulović, Luka; Bajić, Miroslav; Žinić, Biserka. 1, 3-Dipolarna cikloadicija (I. dio): Dobivanje 1, 2, 3-triazolnih derivata u nukleozidnoj kemiji. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 9-10; 481-498	-	IK

**Tablica 2.6. Mrežne stranice**

Naziv studijskog programa	Broj predmeta za koje postoje posebne mrežne stranice	Za predmete za koje postoji posebna mrežna stranica, ona uključuje sljedeće elemente (navesti u svakoj koloni broj mrežnih stranica koje uključuju taj element)					
		Ciljevi i sadržaj predmeta i popis literature	Objavlivanje termina pismenih i usmenih ispita i termina konzultacija	Objavlivanje rezultata kolokvija i pismenih ispita za studente	Zadaci iz prethodnih ispitnih rokova	Pomoćni nastavni materijal (tekst predavanja, PowerPoint prezentacija, crteži, slike, videozapisi itd.)	Mogućnost interaktivne komunikacije nastavnika i studenata
<b>Preddiplomski studiji</b>							
Kemijско inženjerstvo	60	44	60	60	3	44	60
Kemija i inženjerstvo materijala	43	42	43	43	2	42	43
Ekoinženjerstvo	53	43	53	53	3	43	53
Primijenjena kemija	54	52	54	54	3	52	54
<b>Diplomski studiji</b>							
Kemijско inženjerstvo	257	186	257	257	13	186	257
Kemija i inženjerstvo materijala	72	52	72	72	4	52	72
Ekoinženjerstvo	88	69	88	88	5	69	88
Primijenjena kemija	223	167	223	223	11	167	223

**Tablica 2.7. Programi cjeloživotnog obrazovanja (do 60 ECTS bodova)**

Programi cjeloživotnog obrazovanja	Trajanje	Akreditiran (da/ne) i od koje institucije	ECTS (ako se dodjeljuju)
<b>Jednokratni programi (kongresi, ljetne škole)</b>			
6 <sup>th</sup> European Summer School on Electrochemical Engineering (ESEEE)	rujan 2012. petodnevni skup iz međunarodnog ciklusa	Sveučilište u Zagrebu	2
Kongres POLYCHAR i Short Course on Polymer Characterization	ožujak 2012. šestodnevni skup iz međunarodnog ciklusa		
<b>Redoviti programi</b>			
Međunarodna škola ionske kromatografije	svake godine dvodnevni skup		
Susret mladih kemijskih inženjera (SMLKI)	svake dvije godine znanstveni i stručni dvodnevni skup		2
International Symposium on Environmental Management (SEM)	svake četiri godine znanstveni višednevni skup		
Implementation of Microreactor Technology in Biotechnology	svake dvije godine naizmjenice s <i>Faculty of Chemistry and Chemical Technology, University of Ljubljana</i> četverodnevni skup		
Znanstveni kolokviji AMACIZ	kontinuirano tijekom cijele akad. god. (5 – 15 godišnje) jednosatna predavanja		
Sajam ideja	svake godine u listopadu (od 2013.) jednodnevni skup		
Applied Biocatalysis	svake godine, naizmjenice u Zagrebu i Mariboru znanstveni susret studenata i profesora Fakulteta i FCCT UM jednodnevni skup		
Radionica o intelektualnom vlasništvu	svake godine u veljači jednodnevna radionica		
Skup za nastavnike srednjih strukovnih škola iz obrazovnog podsektora kemijska tehnologija	održan 2009. i 2014. u suradnji s Agencijom za strukovno obrazovanje jednodnevni skup		
<b>Povremeni programi</b>			
Seminari iz područja proračuna i projektiranja cjevovoda	povremeni jednodnevni		
Seminari i radionice na temu korozije i zaštite materijala	povremeni jednodnevni		
Seminari i radionice iz područja mjerenja i vođenja	povremeni jednodnevni		

**Tablica 3.1.a.** Struktura studenata (preddiplomski i diplomski studiji)

Studijski program	Redoviti studenti				
	2010./2011.	2011./2012.	2012./2013.	2013./2014.	2014./2015.
Preddiplomski studij Kemijsko inženjerstvo	172	187	217	219	252
Preddiplomski studij Kemija i inženjerstvo materijala	92	122	134	155	184
Preddiplomski studij Ekoinženjerstvo	191	205	223	233	231
Preddiplomski studij Primijenjena kemija	137	156	168	185	195
Diplomski studij Kemijsko inženjerstvo (tri modula)	52	45	54	71	71
Modul Kemijsko-procesno inženjerstvo	9	12	21	39	46
Kemijsko inženjerstvo u zaštiti okoliša	23	15	16	16	12
Kemijske tehnologije i proizvodi	20	18	17	16	13
Diplomski studij Kemija i inženjerstvo materijala	24	33	38	36	27
Diplomski studij Ekoinženjerstvo	49	38	33	36	30
Diplomski studij Primijenjena kemija (tri modula)	50	41	45	54	50
Modul Kemija okoliša	15	11	8	8	9
Modul Specifični materijali i napredne tehnologije	19	14	16	24	20
Modul Primijenjena organska kemija	16	16	21	22	21
<b>Ukupno</b>	<b>767</b>	<b>827</b>	<b>912</b>	<b>989</b>	<b>1040</b>

**Tablica 3.1.b. Struktura studenata (poslijediplomski doktorski studiji)****Doktorski studij Inženjerska kemija**

2009./2010.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
UKUPNO:	3	17	4	12	4	9	10	16	2	7

2010./2011.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
UKUPNO:	4	10	2	18	4	12	19	32	2	3

2011./2012.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	0	2	2	0	3	9	16	0	1
Stipendija	1	2	1	3	0	7	0	0	2	3
Troškove snosi pravna osoba	0	0	0	0	0	0	17	21	0	1
Samofinancira nje	2	4	0	2	0	7	2	5	1	5
UKUPNO:	1	2	1	3	2	1	28	42	0	0

2012./2013.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	1	0	0	2	2	7	23	2	2
Stipendija	0	1	1	2	1	3	0	0	1	4
Troškove snosi pravna osoba	0	0	0	0	0	0	16	18	0	0
Samofinancira nje	1	2	3	4	0	2	3	6	2	4
UKUPNO:	0	2	0	2	1	3	26	47	0	1

2013./2014.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	2	0	2	1	2	4	16	3	10
Stipendija	0	0	0	0	0	0	0	0	0	0
Troškove snosi pravna osoba	1	2	0	1	3	4	9	21	0	1
Samofinancira nje	0	0	0	1	0	2	4	5	0	2
UKUPNO:	1	4	0	4	4	8	17	42	3	13

2014./2015.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	0	0	1	0	2	4	9	1	12
Stipendija	0	0	0	0	0	0	0	0	0	0
Troškove snosi pravna osoba	0	0	1	2	0	1	12	26	0	0
Samofinancira nje	0	0	0	0	0	1	4	5	0	0
UKUPNO:	0	0	1	3	0	4	20	40	1	12

## Doktorski studij Kemijsko inženjerstvo

2009./2010.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
UKUPNO:	4	7	4	1	1	5	10	15	3	4

2010./2011.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
UKUPNO:	6	4	4	7	4	1	11	17	1	3

2011./2012.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	2	1	1	1	4	6	1	0	4
Stipendija	0	0	0	0	0	0	0	0	0	0
Troškove snosi pravna osoba	0	2	2	0	3	1	14	12	2	0
Samofinancira nje	1	1	1	0	0	0	0	5	0	0
UKUPNO:	1	5	4	1	4	5	20	18	2	4

2012./2013.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	1	0	2	0	1	5	5	2	3
Stipendija	0	0	0	0	1	0	0	0	0	0
Troškove snosi pravna osoba	1	0	2	2	5	0	15	13	0	4
Samofinancira nje	0	1	0	1	1	0	0	5	0	1
UKUPNO:	1	2	2	5	7	1	20	23	2	8

2013./2014.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	1	0	1	0	2	4	4	1	1
Stipendija	0	0	0	0	0	0	0	0	0	0
Troškove snosi pravna osoba	0	0	1	0	1	2	21	8	1	0
Samofinancira nje	0	0	0	0	1	0	1	5	0	1
UKUPNO:	0	1	1	1	2	4	26	17	2	2

2014./2015.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	0	0	0	1	0	1	3	1	2	4
Stipendija	0	0	0	0	0	0	0	0	0	0
Troškove snosi pravna osoba	0	0	0	0	1	0	14	5	0	0
Samofinancira nje	0	0	0	0	0	0	2	3	0	0
UKUPNO:	0	0	0	1	1	1	19	9	2	4



### Doktorski studij Kemijsko inženjerstvo i primijenjena kemija (prva godina upisa)

2014./2015.	1. godina		2. godina		3. godina		Apsolventi		Doktorirali	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Asistent/ Znanstveni novak	3	4	0	0	0	0	0	0	0	0
Stipendija	0	0	0	0	0	0	0	0	0	0
Troškove snosi pravna osoba	1	3	0	0	1	0	0	0	0	0
Samofinancir anje	3	1	0	0	0	0	0	0	0	0
UKUPNO:	7	8	0	0	1	0	0	0	0	0

**Tablica 3.2. Studentski standard**

	Površina / m <sup>2</sup>	Broj sjedećih ili aktivnih mjesta*
Prostor za učenje	264,76	160
Studentska menza (korištenje iksice)	-	-
Drugi objekti prehrane	40	20
Mogućnosti studentskog smještaja	-	-
Sportski objekti	-	-
Prostorije za studentske udruge i kulturne aktivnosti	121,9	50
Objekti za rekreaciju	-	-

\*Broj aktivnih sjedećih mjesta za učenje izvan termina održavanja predavanja i seminara; prostor raspoloživ studentima za boravak i učenje u prostorima Fakulteta

**Tablica 3.3. Zapošljavanje studenata koji su završili studij**

Naziv studijskog programa		Broj studenata koji su završili studij u posljednje tri godine	Broj nezaposlenih prema statistici Zavoda za zapošljavanje na 24. studenoga 2014.
Diplomski studij Kemijsko inženjerstvo	2012./2013.	16	13
	2013./2014.	35	
	2014./2015.	29	
Diplomski studij Kemija i inženjerstvo materijala	2012./2013.	13	3
	2013./2014.	18	
	2014./2015.	15	
Diplomski studij Ekoinženjerstvo	2012./2013.	12	8
	2013./2014.	19	
	2014./2015.	14	
Diplomski studij Primijenjena kemija	2012./2013.	14	10
	2013./2014.	29	
	2014./2015.	21	

**Tablica 3.3.a.** Analiza nezaposlenosti prema podacima Hrvatskog zavoda za zapošljavanje na dan 24. studenoga 2014.

Razina obrazovanja Obrazovni program	2012.		2013.		listopad 2014.		prosinac 2015.	
	Ukupno	Od toga bez radnog iskustva	Ukupno	Od toga bez radnog iskustva	Ukupno	Od toga bez radnog iskustva	Ukupno	Od toga bez radnog iskustva
(3.2.2) preddiplomski sveučilišni studij 180 ECTS								
(51300/52.003) Ekoinženjerstvo	3	2	1	1	3	1	1	0
(51300/52.012) Kemijsko inženjerstvo	1	1	2	0	2	1	6	4
(51300/52.010) Kemija i inženjerstvo materijala	0	0	0	0	2	1	2	1
(4.5.3) diplomski sveučilišni studij 120 ECTS								
(51500/44.037) Primijenjena kemija; smjer: Kemija u zaštiti okoliša i izvori energije	7	5	7	4	6	1	3	1
(51500/44.038) Primijenjena kemija; smjer: Primijenjena organska kemija	6	4	9	6	9	8	5	3
(51500/44.039) Primijenjena kemija; smjer: Specifični materijali i napredne tehnologije	5	5	1	0	11	11	6	6
(51500/52.005) Ekoinženjerstvo	21	15	19	12	24	15	13	8
(51500/52.016) Kemija i inženjerstvo materijala	7	7	5	3	13	11	7	3
(51500/52.018) Kemijsko inženjerstvo	17	13	17	15	25	20	18	13
(4.1) Fakultet, akademija								
(51001/52.020) Kemijska tehnologija	45	9	42	2	37	3	46	3
(4.6.4) poslijediplomski sveučilišni studij 180 ECTS								
(60900/44.011) Inženjerska kemija	0	0	0	0	1	0	0	0
(60900/52.023) Kemijsko inženjerstvo	0	0	0	0	1	0	1	0
<b>Ukupni zbroj</b>	<b>112</b>	<b>61</b>	<b>103</b>	<b>43</b>	<b>134</b>	<b>72</b>	<b>108</b>	<b>42</b>

**Tablica 3.4.** Vrednovanje studijskih programa

Akad. god.	Prosječna opća ocjena	
	Preddiplomski studij	Diplomski studij
2011./2012.	4,04	4,16
2012./2013.	4,13	4,21
2013./2014.	4,00	4,24
2014./2015.	4,08	4,46

**Tablica 4.b.** Vanjski angažman nastavnika Fakulteta u nastavi drugih učilišta

Nastavnik	Akadska godina Kolegij	Naziv vanjskog učilišta	Broj sati
Prof. dr. sc. Felicita Briški	2012./2013. Znanost o okolišu i dizajn	Grafički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati seminara u zimskom semestru
	2012./2013. Dizajn i okoliš	Grafički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati seminara u ljetnom semestru
	2013./2014. Znanost o okolišu i dizajn	Grafički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati seminara u zimskom semestru
Prof. dr. sc. Hrvoje Ivanković	2010./2011. Osnove kemijskog inženjerstva	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati vježbi u ljetnom semestru
	2011./2012. Osnove kemijskog inženjerstva	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati vježbi u ljetnom semestru
	2012./2013. Osnove kemijskog inženjerstva	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati vježbi u ljetnom semestru
	2013./2014. Osnove kemijskog inženjerstva	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati vježbi u ljetnom semestru
	2014./2015. Osnove kemijskog inženjerstva	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati vježbi u ljetnom semestru
	2010./2011. Kemijska analiza okoliša	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	13 sati predavanja u zimskom semestru
Izv. prof. dr. sc. Alka Horvat	2012./2013. Ambalaža i okoliš	Grafički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati seminara u zimskom semestru
Prof. dr. sc. Zlata Hrnjak-Murčić	2013./2014. Ambalaža i okoliš	Grafički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati seminara u zimskom semestru
	2010./2011. Fizikalna kemija	Tekstilno-tehnološki fakultet Sveučilišta u Zagrebu	30 sati predavanja i 30 sati seminara
Prof. dr. sc. Krešimir Košutić	2010./2011. Uvod u anorganske materijale	Preddiplomski studij Restauracija drva, papira i tekstila Sveučilišta u Dubrovniku	30 sati predavanja u zimskom semestru
Prof. dr. sc. Stanislav Kurajica	2013./2014. Tehnologija materijala (metal i keramika)	Preddiplomski Studij restauracije i konzervacije Sveučilišta u Dubrovniku	30 sati predavanja u zimskom semestru
	2014./2015. Tehnologija materijala (metal i keramika)	Preddiplomski Studij restauracije i konzervacije Sveučilišta u Dubrovniku	30 sati predavanja u zimskom semestru
	2013./2014. Industrija i okoliš	Grafički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati seminara u zimskom semestru
Doc. dr. sc. Hrvoje Kušić	2012./2013. Industrija i okoliš	Grafički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 15 sati seminara u zimskom semestru
Prof. dr. sc. Laszlo Sipos	2010./2011. Kemijska analiza okoliša	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	15 sati predavanja i 45 sati vježbi u zimskom semestru
	2011./2012. Kemijska analiza okoliša	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	15 sati predavanja i 45 sati vježbi u zimskom semestru
	2011./2012. Tehnologija otpadnih voda	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 30 sati praktikuma u ljetnom semestru
	2012./2013. Kemijska analiza okoliša	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	15 sati predavanja i 45 sati vježbi u zimskom semestru
	2012./2013. Tehnologija otpadnih voda	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 30 sati vježbi u ljetnom semestru
	2013./2014. Kemijska analiza okoliša	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	15 sati predavanja i 45 sati vježbi u zimskom semestru
	2013./2014. Tehnologija otpadnih voda	Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu	30 sati predavanja i 30 sati vježbi u ljetnom semestru

**Tablica 4.c.** Rezultati studentskih anketa o kvaliteti rada nastavnika na predavanjima, vježbama i seminarima ( $M$  – aritmetička sredina,  $sd$  – standardna devijacija,  $N$  – broj procjena)

	Studij, Ak. god.	$M$	$sd$	$N$
Korisnost predavanja za razumijevanje zadanih sadržaja	Preddiplomski studiji 2011./2012.	3,96	0,77	89
	Preddiplomski studiji 2012./2013.	3,68	1,09	73
	Preddiplomski studiji 2013./2014.	3,97	0,79	75
	Preddiplomski studiji 2014./2015.	4,07	0,78	116
Korisnost predavanja za razumijevanje zadanih sadržaja	Diplomski studiji 2011./2012.	4,13	0,77	69
	Diplomski studiji 2012./2013.	4,29	0,72	52
	Diplomski studiji 2013./2014.	4,10	0,82	97
	Diplomski studiji 2014./2015.	4,26	0,62	73
Praktičan rad na vježbama i mogućnost praktične provjere stečenih znanja i vještina	Preddiplomski studiji 2011./2012.	3,90	0,91	90
	Preddiplomski studiji 2012./2013.	4,06	0,75	72
	Preddiplomski studiji 2013./2014.	4,11	0,77	73
	Preddiplomski studiji 2014./2015.	4,13	0,84	115
Praktičan rad na vježbama (seminarima) i mogućnost praktične provjere stečenih znanja i vještina	Diplomski studiji 2011./2012.	3,91	1,01	69
	Diplomski studiji 2012./2013.	4,19	0,86	52
	Diplomski studiji 2013./2014.	4,13	0,98	96
	Diplomski studiji 2014./2015.	4,01	1,03	72

**Tablica 4.e1.** Ocjene anketnih pitanja u akad. god. 2011./2012. koja upućuju na kompetentnost nastavnika ( $M$  – aritmetička sredina,  $sd$  – standardna devijacija,  $N$  – broj procjena)

Anketno pitanje	Semestar	$M$	$sd$	$N$
Jasno definira ishode učenja i ono što očekuje od studenta.	Zimski	4,24	0,61	215
	Ljetni	4,09	0,59	119
Jasno i razumljivo izlaže nastavne sadržaje.	Zimski	4,12	0,68	215
	Ljetni	4,03	0,60	119
Metode, primjeri i zadaci olakšavaju postizanje ishoda učenja.	Zimski	4,02	0,66	215
	Ljetni	3,89	0,57	119
Motiviran je za rad i savjesno izvršava svoje obaveze.	Zimski	4,41	0,51	215
	Ljetni	4,23	0,57	119
Koju biste ocjenu dali ovom nastavniku u cjelini?	Zimski	4,24	0,61	215
	Ljetni	4,09	0,59	119

**Tablica 4.e2.** Ocjene anketnih pitanja\* u ak. god. 2014./2015. koja upućuju na kompetentnost nastavnika ( $M$  – aritmetička sredina,  $sd$  – standardna devijacija,  $N$  – broj procjena)

Anketno pitanje	Semestar	$M$	$sd$	$N$
Jasno definira ishode učenja i ono što očekuje od studenta.	Zimski	4,16	1,05	465
	Ljetni	4,22	1,00	297
Jasno i razumljivo izlaže nastavne sadržaje.	Zimski	4,12	1,07	457
	Ljetni	4,17	1,06	310
Metode, primjeri i zadaci olakšavaju postizanje ishoda učenja.	Zimski	3,99	1,08	670
	Ljetni	4,08	1,08	464
Motiviran je za rad i savjesno izvršava svoje obaveze.	Zimski	4,38	0,94	365
	Ljetni	4,36	0,98	330
Koju biste ocjenu dali ovom nastavniku u cjelini?	Zimski	4,22	0,94	233
	Ljetni	4,23	0,96	274

Rezultati iz ak. god. 2011./2012. i 2014./2015. dobiveni su metodom „papira i olovke“.

**Tablica 4.f.** Projekti u CEEPUS programu kojima su voditelji nastavnici Fakulteta

Voditelj projekta Naslov projekta	Trajanje
Andrej Vidak <i>Active Methods in Teaching and Learning Mathematics and Informatics</i>	1.10.2015. – 30.9.2016.
Sanja Martinez <i>Education of modern analytical and bioanalytical methods</i>	3. 4. 2014. – 2. 4. 2015.
Tomislav Bolanča <i>Determination of xenobiotics by using separation and hyphenated techniques for environment, food and human health purposes</i>	1. 10. 2011. – 30. 9. 2016.
Zvezdana Findrik Blažević <i>Chemistry and chemical engineering</i>	1. 10. 2011. – 30. 9. 2015.
Nenad Bolf <i>Cybernetics and modern methods of control</i>	1. 10. 2011. – 30. 9. 2016.

**Tablica 4.g.** Odabrane knjige i udžbenici koje su objavili nastavnici Fakulteta u posljednjih pet godina

Autor Naziv knjige / udžbenika	Izdavač, mjesto i godina izdanja, broj stranica
Zlata Hrnjak-Murđić, Ana Rešček, Anita Ptiček Siročić, Ljerka Kratofil Krehula, Zvonimir Katančić <i>Nanoparticles in Active Polymer Food Packaging (monografija)</i>	Smithers Pira, 2015., 260
Tomislav Bolanča, Šime Ukić <i>Ionska kromatografija</i>	Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2015., 164
Marija Kaštelan-Macan (urednica) Štefica Cerjan-Stefanović, Edicija istaknuti profesori, knj. 9	Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2015., 87
Marija Kaštelan-Macan <i>Enciklopedijski rječnik analitičkoga nazivlja</i>	Fakultet kemijskoga inženjerstva i tehnologije i Mentor d.o.o., Zagreb, 2014., 254
Marija Kaštelan-Macan, Mira Petrović (urednici) <i>Analitika okoliša</i>	HINUS i Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2013., 435
Mladen Mintas, Silvana Raić-Malić <i>Medicinska kemija protutumorskih lijekova</i>	Medicinska naklada, Zagreb, 2013., 227
Zoran Mandić (urednik) <i>Physico-Chemical Methods in Drug Discovery and Development</i>	IAPC Publishing, Zagreb, 2012., 482
Zvonimir Janović <i>Naftni i petrokemijski procesi i proizvodi</i>	Hrvatsko društvo za goriva i maziva, Zagreb, 2011., 518

**Tablica 4.1.** Struktura osoblja\*

Osoblje	Zaposleni u punom radnom odnosu		Zaposleni u kumulativnom radnom odnosu		Vanjska suradnja nastavnika u punom radnom odnosu	Vanjski suradnici	
	Broj	Prosječna starost	Broj	Prosječna starost	Broj	Broj	Prosječna starost
Redoviti profesori	24	51				2	63
Izvanredni profesori	21	46				2	46
Docenti	15	40				1	39
Nastavna zvanja	5	42					
Asistenti	30	28				3	26
Stručni suradnici	2	41				1	52
Znanstveni novaci	27	32				1	30
Tehničko osoblje	15	43					
Administrativno osoblje	23	47					
Pomoćno osoblje	20	51					
<b>Ukupno</b>	<b>182</b>	<b>42,1</b>				<b>10</b>	<b>42,7</b>

\* podaci dobiveni iz Kadrovske službe za dan 31. listopada 2015.

**Tablica 4.2.** Opterećenje nastavnika i vanjskih suradnika

Naziv studijskog programa	Predavanja		Seminari i auditorne vježbe		Drugi oblici nastave	
	Nastavnici visokog učilišta	Vanjski suradnici	Nastavnici visokog učilišta	Vanjski suradnici	Nastavnici visokog učilišta	Vanjski suradnici
KI-preddipl.	2840	193	1910	153,5	3120	18
KIM-preddipl.	2040	193	950	153,5	2737	15,6
EI-preddipl.	2465	313	1937,5	206,6	3345	77,6
PK-preddipl.	2370	253	1202,5	153,5	3085,5	16,8
KI-dipl.	1940	90	280	90	1455	-
KIM-dipl.	1240	60	210	45	698,0	-
EI-dipl.	810	-	292,5	-	955	-
PK-dipl.	1840	60	225	-	1095	180
Doktorski KI i IK	1147	-	-	-	-	-
<b>Ukupno</b>	<b>16251</b>	<b>1162</b>	<b>7007,5</b>	<b>802,1</b>	<b>16490,5</b>	<b>308</b>

**Tablica 4.3.** Popis nastavnika

Nastavnik	Zvanje	Akademski stupanj	Visoko učilište koje je izdalo kvalifikaciju	Polje	Datum posljednjeg izbora u zvanje	Postotak radnog odnosa	Opterećenje na matičnoj instituciji u norma satima (2014./2015.)	Opterećenje na vanjskim institucijama u norma satima
BRIŠKI, FELICITA	Redoviti profesor – trajno zvanje	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	11. 6. 2013.	100	350	
GUSIĆ, IVICA	Redoviti profesor – trajno zvanje	dr. sc.	Prirodoslovno–matematički fakultet	matematika	12.0 7. 2012.	100	510	
IVANKOVIĆ, HRVOJE	Redoviti profesor – trajno zvanje	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo temeljne tehničke znanosti	12. 4. 2011.	100	270	75
IVANKOVIĆ, MARICA	Redoviti profesor – trajno zvanje	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo temeljne tehničke znanosti	21. 12. 2010.	100	372	
KURAJICA, STANISLAV	Redoviti profesor – trajno zvanje	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo temeljne tehničke znanosti	12. 2. 2013.	100	405,2	60
SERTIĆ–BIONDA, KATICA	Redoviti profesor – trajno zvanje	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	22. 11. 2011.	100	153	
VASIĆ–RAČKI, ĐURĐA	Redoviti profesor – trajno zvanje	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	16. 9. 1997.	100	245	
BABIĆ, SANDRA	Redoviti profesor – prvi izbor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	11. 7. 2013.	100	379,25	
BOLANČA, TOMISLAV	Redoviti profesor – prvi izbor	dr. sc.	Prirodoslovno–matematički fakultet	kemija	11. 6. 2013.	100	355,5	
FILIPAN, VELJKO	Redoviti profesor – prvi izbor	dr. sc.	Fakultet strojarstva i brodogradnje	strojarstvo	12.10.2010.	100	623,75	
GOVORČIN–BAJSIĆ, EMI	Redoviti profesor – prvi izbor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	18. 9. 2012.	100	362,9	
HRNJAK–MURGIĆ, ZLATA	Redoviti profesor – prvi izbor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	18. 11. 2014.	100	506	
JUKIĆ, ANTE	Redoviti profesor – prvi izbor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	12. 3. 2013.	100	280	
KOŠUTIĆ, KREŠIMIR	Redoviti profesor – prvi izbor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	18. 1. 2011.	100	531	
LESKOVAC, MIRELA	Redoviti profesor – prvi izbor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	18. 9. 2012.	100	356,4	

Nastavnik	Zvanje	Akademski stupanj	Visoko učilište koje je izdalo kvalifikaciju	Polje	Datum posljednjeg izbora u zvanje	Postotak radnog odnosa	Opterećenje na matičnoj instituciji u norma satima (2014./2015.)	Opterećenje na vanjskim institucijama u norma satima
LUČIĆ BLAGOJEVIĆ, SANJA	Redoviti profesor – prvi izbor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	18. 9. 2012.	100	277,5	
MARTINEZ, SANJA	Redoviti profesor – prvi izbor	dr. sc.	Prirodoslovno–matematički fakultet	kemijsko inženjerstvo temeljne tehničke znanosti	18. 9. 2012.	100	265,5	
PAPIĆ, SANJA	Redoviti profesor – prvi izbor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	10. 5. 2011.	100	423	
RAIĆ–MALIĆ, SILVANA	Redoviti profesor – prvi izbor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	17. 1. 2012.	100	402	
ROGOŠIĆ, MARKO	Redoviti profesor – prvi izbor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	18. 11. 2014.	100	572,50	
SANDER, ALEKSANDRA	Redoviti profesor – prvi izbor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	13. 9. 2011.	100	460	
TOMAŠIĆ, VESNA	Redoviti profesor – prvi izbor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	10. 5. 2011.	100	297,5	
VOLOVŠEK, VESNA	Redoviti profesor – prvi izbor	dr. sc.	Prirodoslovno–matematički fakultet	fizika	16.11.2010.	100	293	
ZELIĆ, BRUNO	Redoviti profesor – prvi izbor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	13. 3. 2012.	100	487,5	
AŠPERGER, DANIJELA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	22. 10. 2013.	100	461,5	
BOLF, NENAD	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	22.11.2010.	100	743,5	
DANANIĆ, VLADIMIR	Izvanredni profesor	dr. sc.	Prirodoslovno–matematički fakultet	fizika	16. 6. 2015.	100	360	
FINDRIK BLAŽEVIĆ, ZVJEZDANA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	22. 10. 2012.	100	351,25	
GLASNOVIĆ, ZVONIMIR	Izvanredni profesor	dr. sc.	Elektrotehnički fakultet	elektrotehnika	14. 2. 2011.	100	252,5	
HRANJEC, MARIJANA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	18. 12. 2012.	100	407	
KOSAR, VANJA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	19. 3. 2012.	100	477,5	
LONČARIĆ–BOŽIĆ, ANA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	17. 1. 2011.	100	287	
MACAN, JELENA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	18. 6. 2012.	100	260,4	
MANDIĆ, ZORAN	Izvanredni profesor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	21. 9. 2015.	100	340	



Nastavnik	Zvanje	Akademski stupanj	Visoko učilište koje je izdalo kvalifikaciju	Polje	Datum posljednjeg izbora u zvanje	Postotak radnog odnosa	Opterećenje na matičnoj instituciji u norma satima (2014./2015.)	Opterećenje na vanjskim institucijama u norma satima
MATIJAŠIĆ, GORDANA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	21. 11. 2011.	100	486,75	
MILARDOVIĆ, STJEPAN	Izvanredni profesor	dr. sc.	Tehnološki fakultet	kemija	21. 12. 2010.	100	560,5	
MUTAVDŽIĆ PAVLOVIĆ, DRAGANA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	19. 3. 2013.	100	380,5	
PRLIĆ KARDUM, JASNA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	19. 9. 2011.	100	506,50	
SUTLOVIĆ, IGOR	Izvanredni profesor	dr. sc.	Fakultet strojarstva i brodogradnje	temeljne tehničke znanosti	18. 4. 2011.	100	412,5	
ŠIPUŠIĆ, JURAJ	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	25. 5. 2015.	100	248,4	
ŠKORIĆ, IRENA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	28. 6. 2011.	100	422,5	
VIDOVIĆ, ELVIRA	Izvanredni profesor	dr. sc.	Rheinisch – Westfälische Technische Hochschule Aachen, Njemačka	kemijsko inženjerstvo	22. 4. 2013.	100	328,4	
VRBOS, NEVENKA	Izvanredni profesor	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	17. 12. 2012.	100	245,4	
VRŠALOVIĆ PRESEČKI, ANA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	23. 9. 2013.	100	563,75	
VUKOVIĆ DOMANOVAC, MARIJA	Izvanredni profesor	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	22. 10. 2012.	100	325,5	
DEJANOVIĆ, IGOR	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	24. 11. 2014.	100	330	
DOLAR, DAVOR	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	27. 10. 2014.	100	469,5	
FOGLAR, LUCIJA	Docent	dr. sc.	Tehnološki fakultet	kemijsko inženjerstvo	11. 7. 2011.	100	105	
GAZIVODA KRALJEVIĆ, TATJANA	Docent	dr. sc.	Prirodoslovno–matematički fakultet	kemija	17. 5. 2011.	100	337	
JERKOVIĆ, MIROSLAV	Docent	dr. sc.	Prirodoslovno–matematički fakultet	matematika	19. 6. 2012.	100	720	
KRALJIĆ ROKOVIĆ, MARIJANA	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	21. 9. 2015.	100	242,9	
KRATOFIL KREHULA, LJERKA	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	15. 6. 2015.	100	179,15	

Nastavnik	Zvanje	Akademski stupanj	Visoko učilište koje je izdalo kvalifikaciju	Polje	Datum posljednjeg izbora u zvanje	Postotak radnog odnosa	Opterećenje na matičnoj instituciji u norma satima (2014./2015.)	Opterećenje na vanjskim institucijama u norma satima
KRIŠTAFOR, SVJETLANA	Docent	dr. sc.	Prirodoslovno-matematički fakultet	kemija	24. 9. 2013.	100	717,4	
KUŠIĆ, HRVOJE	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	18. 3. 2013.	100	302	
OTMAČIĆ ČURKOVIĆ, HELENA	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	21. 9. 2015.	100	355,5	
STEINBERG, IVANA	Docent	dr. sc.	Karl – Franzes – Universität Graz, Austrija	kemija	17. 6. 2014.	100	439,75	
UKIĆ, ŠIME	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	19. 6. 2012.	100	503,5	
VRSALJKO, DOMAGOJ	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	18. 2. 2013.	100	290	
VUK, DRAGANA	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	17. 3. 2015.	100	na dugom bolovanju	
ŽIŽEK, KRUNOSLAV	Docent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	20. 5. 2013.	100	474,75	
DEŠPALJ, NAĐA	Viši predavač		Filozofski fakultet	filologija	25. 4. 2012.	100	960	
FURAČ, LIDIJA	Viši predavač	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	24. 9. 2013.	100	1223,35	
MARKIĆ, MARINKO	Predavač	mr. sc.	Elektrotehnički fakultet	elektrotehnika	16. 12. 2013.	100	530	
MOVRE ŠAPIĆ, IVA	Predavač	dr. sc.	Prirodoslovno-matematički fakultet	fizika	22. 9. 2015.	100	360	
PERŠUN, JOSIPA	Predavač		Kineziološki fakultet u Zagrebu	kineziologija	18. 3. 2015.	100	185	
UJEVIĆ ANDRIJIĆ, ŽELJKA	Viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	27. 2. 2013.	100	168,75	
BEGOVIĆ KOVAČ, ERNA	Poslijedoktorand	dr. sc.	Prirodoslovno-matematički fakultet	matematika	1. 1. 2015.	100	495	
DRAŽEVIĆ, EMIL	Poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 12. 2014.	100	330	
KASSAL, PETAR	Poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 7. 2015.	100	121,2	
KUČIĆ, DAJANA	Poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 1. 2015.	100	353,75	
ROGINA, ANAMARIJA	Poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	temeljne tehničke znanosti	1. 7. 2015.	100	397,5	
BOBANOVIĆ, KRISTINA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 10. 2015.	100	novozaposleni djelatnik	

Nastavnik	Zvanje	Akademski stupanj	Visoko učilište koje je izdalo kvalifikaciju	Polje	Datum posljednjeg izbora u zvanje	Postotak radnog odnosa	Opterećenje na matičnoj instituciji u norma satima (2014./2015.)	Opterećenje na vanjskim institucijama u norma satima
CVETNIĆ, MATIJA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 10. 2015.	100	novozaposleni djelatnik	
DABIĆ, DARIO	Asistent		Prirodoslovno-matematički fakultet	kemija	1. 10. 2015.	100	novozaposleni djelatnik	
DORIĆ, HRVOJE	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 10. 2015.	100	novozaposleni djelatnik	
GRETIĆ, MATIJA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 10. 2015.	100	novozaposleni djelatnik	
HORAK, EMA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemija	31. 1. 2013.	100	475,5	
MARGETA, DUNJA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	31. 1. 2013.	100	190	
MITAR, ANAMARIJA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 10. 2015.	100	novozaposleni djelatnik	
PALJAR, KLAUDIA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	31. 1. 2013.	100	345	
RACAR, MARKO	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 10. 2015.	100	novozaposleni djelatnik	
SIGURNJAK, MARIJA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 10. 2015.	100	novozaposleni djelatnik	
ŠABIĆ, MONIKA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	28. 4. 2015.	100	78,75	
VIDAK, ANDREJ	Asistent		Prirodoslovno-matematički fakultet	fizika	1. 2. 2012.	100	585	
ZAGAJSKI KUČAN, KRISTINA	Asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	28. 4. 2015.	100	novozaposleni djelatnik	
LASIĆ, LUKA	Stručni suradnik	mr. sc.	Prirodoslovno-matematički fakultet	matematika	25. 9. 1995.	100	360	
MATIJAŠEC, DORA	Stručni suradnik		Prirodoslovno-matematički fakultet	kemija	1. 2. 2009.	100	772,95	
CINDRIĆ, MAJA	Znanstveni novak – viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	19. 7. 2013.	100	287,13	
GRČIĆ, IVANA	Znanstveni novak – viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	13. 5. 2011.	100	na dugom bolovanju	
KATANČIĆ, ZVONIMIR	Znanstveni novak – viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	28. 3. 2013.	100	266,75	
OČELIĆ BULATOVIĆ, VESNA	Znanstveni novak – viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	31. 5. 2013.	100	na dugom bolovanju	
ORLIĆ, SEBASTIJAN	Znanstveni novak – viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	30. 4. 2012.	100	179,4	
SOVIĆ, IRENA	Znanstveni novak – viši asistent	dr. sc.	Prirodoslovno-matematički fakultet	kemija	27. 11. 2012.	100	287,13	

Nastavnik	Zvanje	Akademski stupanj	Visoko učilište koje je izdalo kvalifikaciju	Polje	Datum posljednjeg izbora u zvanje	Postotak radnog odnosa	Opterećenje na matičnoj instituciji u norma satima (2014./2015.)	Opterećenje na vanjskim institucijama u norma satima
VALEK ŽULJ, LIDIJA	Znanstveni novak – viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 2. 2010.	100	60	
VRANJEŠ PENAVALINA	Znanstveni novak – viši asistent	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 1. 2009.	100	200,5	
BIOŠIĆ, MARTINA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 3. 2015.	100	336,25	
BUHIN ŠTURLIĆ, ZRINKA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 12. 2013.	100	112,5	
ČIZMIĆ, MIRTA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 10. 2015.	100	na dugom bolovanju	
FARAGUNA, FABIO	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 10. 2014.	100	289,6	
MEŠIĆ, ANDRIJANA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	26. 3. 2014.	100	272,13	
MILOVAC, DAJANA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	temeljne tehničke znanosti	6. 2. 2014.	100	186,9	
MOHLER, IVAN	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	31. 3. 2015.	100	336,25	
NOVAK STANKOV, MIRJANA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	29. 6. 2015.	100	292,5	
PERIN, NATAŠA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	24. 3. 2014.	100	258,4	
SOPČIĆ, SUZANA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	31. 10. 2014.	100	324,75	
STIPKOVIĆ BABIĆ, MAJA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	20. 11. 2014.	100	286,13	
SUDAR, MARTINA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	29. 6. 2015.	100	205	
ŠAGUD, IVANA	Znanstveni novak – poslijedoktorand	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemija	24. 3. 2014.	100	304,25	
ŠALIĆ, ANITA	Znanstveni novak – poslijedoktorand	dr. sc.	Prehrambeno–biotehnoški fakultet u Zagrebu	kemijsko inženjerstvo	29. 6. 2015.	100	na dugom bolovanju	
DUPLANČIĆ, MARINA	Znanstveni novak – asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 5. 2007.	100	na dugom bolovanju	
IVANKOVIĆ, ANTONIO	Znanstveni novak – asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	10. 1. 2011.	100	207,25	
JURETIĆ PERIŠIĆ, DARIA	Znanstveni novak – asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 4. 2012.	100	325	
MARAČIĆ, SILVIJA	Znanstveni novak – asistent		Fakultet kemijskog inženjerstva i tehnologije	kemija	10. 1. 2011.	100	na dugom bolovanju	

Nastavnik	Zvanje	Akademski stupanj	Visoko učilište koje je izdalo kvalifikaciju	Polje	Datum posljednjeg izbora u zvanje	Postotak radnog odnosa	Opterećenje na matičnoj instituciji u norma satima (2014./2015.)	Opterećenje na vanjskim institucijama u norma satima
MINGA, IVA	Znanstveni novak – asistent		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	10. 1. 2011.	100	319,2	
ANTONIĆ, DAVOR	Poslijedoktorand	dr. sc.	Fakultet elektrotehnike i računarstva	računarstvo	18. 11. 2014.	100	na projektu HRZZ	
SALAEH, SUBHAN	Poslijedoktorand	dr. sc.	Universite Lyon 1, Francuska Prince of Songkla University, Tajland	kemijsko inženjerstvo	9. 3. 2015.	100	na projektu HRZZ	
BISTROVIĆ, ANDREA	Stručni suradnik u sustavu znan.i vis. obrazovanju		Fakultet kemijskog inženjerstva i tehnologije	kemija	1. 1. 2015.	100	na projektu HRZZ	
ČESNIK, MORANA	Doktorand		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	18. 5. 2015.	100	na projektu OBZOR 2020	
GILJA, VANJA	Stručni suradnik u sustavu znan.i vis. obrazovanju		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 1. 2015.	100	na projektu HRZZ	
HAJDARI, ZANA	Stručni suradnik u sustavu znan.i vis. obrazovanju	dr. sc.	Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 12. 2012.	100	na projektu HRZZ	
KOVAČIĆ, MARIN	Stručni suradnik u sustavu znan.i vis. obrazovanju		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 1. 2015.	100	na projektu HRZZ	
KRISTAN MIOČ, EKATARINA	Stručni suradnik u sustavu znan.i vis. obrazovanju		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 1. 2015.	100	na projektu HRZZ	
SAČER, DENIS	Stručni suradnik u sustavu znan.i vis. obrazovanju		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	1. 1. 2015.	100	na projektu HRZZ	
ŠVARC, ANERA	Doktorand		Fakultet kemijskog inženjerstva i tehnologije	kemijsko inženjerstvo	18. 5. 2015.	100	na projektu OBZOR 2020	

**Tablica 4.4.** Dinamika zapošljavanja nastavnika u posljednjih pet godina

Godina	Broj novozaposlenih nastavnika	Broj nastavnika kojima je završio radni odnos
2010./2011.	2	2
2011./2012.	2	4
2012./2013.	3	3
2013./2014.	1	7
2014./2015.	5	1

**Tablica 4.5.** Nastavni materijali korišteni u prethodnoj akademskoj godini (2014./2015.)

Naziv studijskog programa	Preddiplomski				Diplomski			
	KI	KIM	EI	PK	KI	KIM	EI	PK
Broj udžbenika napisanih na hrvatskom jeziku	21	9	22	23	24	2	6	10
Broj inozemnih udžbenika prevedenih na hrvatski jezik	1	2	4	6	-	-	-	2
Broj znanstvenih publikacija povezanih s nastavom	Velika većina znanstvenih publikacija može se smatrati sadržajno povezanima s nastavom. To poglavito vrijedi za nastavu na diplomskim studijima.							
Broj priručnika	20	8	10	12	16	11	6	5
Broj predmeta za koje na mrežnim stranicama visokog učilišta postoji recenzirani priručnik	3	1	1	-	5	7	5	3
Broj predmeta za koje postoji mrežna stranica s pomoćnim nastavnim materijalima	29	34	40	40	44	26	24	42
Broj predmeta koji se izvode kao e-kolegiji (o - obvezni; i - izborni)	5-o	3-o	4-o	4-o	2-o, 1-i	2-o	0	4-i
Ukupni broj kolegija na studijskom programu	34	39	42	42	58	30	25	48

**Tablica 5.a.** Popis svih publikacija u 2014. i 2015. prema WoS-u i SCOPUS-u.

WoS – 2014.

R. br.	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	IF	Petogodišnji IF	JCR predmetno područje časopisa	Kvartil	Medijan IF
1.	Aleksić, Maja; Bertoša, Branimir; Nhili, Raja; Depauw, Sabine; Martin-Kleiner, Irena; David-Cordonnier, Marie-Helene; Tomić, Sanja; Kralj, Marijeta; Karminski-Zamola, Grace. Anilides and quinolones with nitrogen-bearing substituents from benzothiophene- and thienothiophene- series: synthesis, photochemical synthesis, cytostatic evaluation, 3D-derived QSAR analysis and DNA-binding properties. // <i>European journal of medicinal chemistry</i> . <b>71</b> (2014) ; 267-281	3,447 (2014.)	3,946 (2014.)	CHEMISTRY, MEDICINAL	Q1	2,420 (2014.)
2.	Ašperger, Danijela; Ćurković, Lidija; Horvat, Alka J. M.; Kaštelan-Macan, Marija. Optimization condition for thin-layer identification of bronzes after anodic sampling. // <i>JPC. Journal of planar chromatography, modern TLC</i> . <b>27</b> (2014) , 2; 84-87	0,670 (2013.)	0,667 (2013.)	CHEMISTRY, ANALYTICAL	Q4	1,900 (2013.)
3.	Ašperger, Danijela; Tišler, Vesna; Zrnčić, Mirta; Mutavdžić Pavlović, Dragana; Babić, Sandra; Horvat, Alka J. M.; Kaštelan-Macan, Marija. HPLC–DAD–FLD Determination of veterinary pharmaceuticals in pharmaceutical industry wastewater with precolumn derivatization using fluorescamine. // <i>Chromatographia</i> . <b>77</b> (2014) ; 1059-1066	1,411 (2014.)	1,191 (2014.)	BIOCHEMICAL RESEARCH METHODS	Q4	2,341 (2014.)
				CHEMISTRY, ANALYTICAL	Q3	2,022 (2014.)
4.	Bolanča, Tomislav; Ukić, Šime; Novak, Mirjana; Rogošić, Marko. Computer assisted method development in liquid chromatography. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 2; 111-122	0,728 (2014.)	0,751 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
5.	Bolanča, Tomislav; Ukić, Šime; Peternel, Igor; Kušić, Hrvoje; Lončarić Božić, Ana. Artificial neural network models for advanced oxidation of organics in water matrix - Comparison of applied methodologies. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014) ; 21-29	0,513 (2014.)	0,723 (2014.)	CHEMISTRY, APPLIED	Q4	1,256 (2014.)
				ENGINEERING, CHEMICAL	Q4	1,310 (2014.)
6.	Ćurković, Lidija; Bolanča, Tomislav; Šiljeg, Mario; Foglar, Lucija. The kinetic modelling of Fe <sup>3+</sup> ion uptake by zeolite from water. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014) ; 56-62	0,513 (2014.)	0,723 (2014.)	CHEMISTRY, APPLIED	Q4	1,256 (2014.)
				ENGINEERING, CHEMICAL	Q4	1,310 (2014.)
7.	Dejanović, Igor; Halvorsen, Ivar J.; Skogestad, Sigurd; Jansen, Helmut; Olujić, Žarko. Hydraulic design, technical challenges and comparison of alternative configurations of a four-product dividing wall column. // <i>Chemical engineering and processing</i> . <b>84</b> (2014) ; 71-81	2,071 (2014.)	2,339 (2014.)	ENERGY & FUELS	Q2	1,993 (2014.)
				ENGINEERING, CHEMICAL	Q2	1,310 (2014.)
8.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir. Mass transfer of differently sized organic	4,321 (2014.)	4,621 (2014.)	ENGINEERING, CHEMICAL	Q1	1,310 (2014.)

	solute at spacer covered and permeable nanofiltration wall. // <i>Chemical engineering journal</i> . <b>244</b> (2014) ; 152-159			ENGINEERING, ENVIRONMENTAL	Q1	1,417 (2014.)
9.	Dražević, Emil; Košutić, Krešimir; Freger, Viatcheslav. Permeability and selectivity of reverse osmosis membranes: Correlation to swelling revisited. // <i>Water research</i> . <b>49</b> (2014) ; 444-452	5,528 (2014.)	6,279 (2014.)	ENGINEERING, ENVIRONMENTAL	Q1	1,417 (2014.)
				ENVIRONMENTAL SCIENCES	Q1	1,606 (2014.)
				WATER RESOURCES	Q1	1,344 (2014.)
10.	Dražević, Emil; Košutić, Krešimir; Kolev, Vesselin; Freger, Viatcheslav. Does hindered transport theory apply to desalination membranes?. // <i>Environmental science &amp; technology</i> . <b>48</b> (2014) , 19; 11471-11478	5,330 (2014.)	6,326 (2014.)	ENGINEERING, ENVIRONMENTAL	Q1	1,417 (2014.)
				ENVIRONMENTAL SCIENCES	Q1	1,606 (2014.)
11.	Fraguna, Fabio; Peter, Robert; Volovšek, Vesna; Jukić, Ante. Synthesis and characterization of alkyl ester functionalized multiwall carbon nanotubes. // <i>Journal of nanoscience and nanotechnology</i> . <b>14</b> (2014) , 8; 6347-6354	1,556 (2014.)	1,234 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q2	1,468 (2014.)
				MATERIALS SCIENCE, MULTIDISCIPLINARY	Q3	2,211 (2014.)
				NANOSCIENCE & NANOTECHNOLOGY	Q3	1,567 (2014.)
				PHYSICS, APPLIED	Q3	1,563 (2014.)
				PHYSICS, CONDENSED MATTER	Q3	1,839 (2014.)
12.	Findrik, Zvezdana; Valentović, Ivana; Vasić-Rački, Đurđa. A mathematical model of oxidative deamination of amino acid catalyzed by two D-amino acid oxidases and influence of aeration on enzyme stability. // <i>Applied biochemistry and biotechnology</i> . <b>172</b> (2014) , 6; 3092-3105	1,735 (2014.)	1,981 (2014.)	BIOCHEMISTRY & MOLECULAR BIOLOGY	Q4	2,672 (2014.)
				BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q3	2,125 (2014.)
13.	Gazivoda Kraljević, Tatjana; Ilić, Nataša; Stepanić, Višnja; Sappe, Lana; Petranović, Jasna; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Synthesis and in vitro antiproliferative evaluation of novel N-alkylated 6-isobutyl- and propyl pyrimidine derivatives. // <i>Bioorganic &amp; Medicinal Chemistry Letters</i> . <b>24</b> (2014) , 13; 2913-2917	2,420 (2014.)	2,317 (2014.)	CHEMISTRY, MEDICINAL	Q3	2,420 (2014.)
				CHEMISTRY, ORGANIC	Q2	2,109 (2014.)
14.	Grčić, Ivana; Papić, Sanja; Mesec, Danijela; Koprivanac, Natalija; Vujević, Dinko. The kinetics and efficiency of UV assisted advanced oxidation of various types of commercial organic dyes in water. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>273</b> (2014) ; 49-58	2,495 (2014.)	2,549 (2014.)	CHEMISTRY, PHYSICAL	Q2	2,167 (2014.)
15.	Jović, Franjo; Grašovec, Marko; Dejanović, Igor; Kosar, Vanja. Dynamic simulation of high-pressure tubular reactor for low-density polyethylene production. // <i>Journal of elastomers and plastics</i> . <b>48</b> (2014) , 8; 737-746	0,773 (2014.)	0,777 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q4	1,567 (2014.)
				POLYMER SCIENCE	Q4	1,651 (2014.)
16.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Lončarić Božić, Ana. Modeling of photooxidative degradation of	4,321 (2014.)	4,621 (2014.)	ENGINEERING, CHEMICAL	Q1	1,310 (2014.)



	aromatics in water matrix ; combination of mechanistic and structural-relationship approach. // <i>Chemical engineering journal</i> . <b>257</b> (2014) ; 229-241			ENGINEERING, ENVIRONMENTAL	Q1	1,417 (2014.)
17.	Juretić, Daria; Purić, Jelena; Kušić, Hrvoje; Marin, Vedrana; Lončarić Božić, Ana. Structural influence on photooxidative degradation of halogenated phenols. // <i>Water, air and soil pollution</i> . <b>225</b> (2014) , 2143; 1-18	1,554 (2014.)	1,872 (2014.)	ENVIRONMENTAL SCIENCES	Q3	1,606 (2014.)
				METEOROLOGY & ATMOSPHERIC SCIENCES	Q3	1,709 (2014.)
				WATER RESOURCES	Q2	1,344 (2014.)
18.	Kalinski, Ivana; Juretić, Daria; Kušić, Hrvoje; Peternel, Igor; Lončarić Božić, Ana. Structural aspects of degradation of sulfoaromatics by UV/H2O2 process. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>293</b> (2014) ; 1-11	2,495 (2014.)	2,549 (2014.)	CHEMISTRY, PHYSICAL	Q2	2,167 (2014.)
19.	Kassal, Petar; Šurina, Robert; Vrsaljko, Domagoj; Murković Steinberg, Ivana. Hybrid sol-gel thin films doped with a pH indicator : Effect of organic modification on optical pH response and surface hydrophobicity. // <i>Journal of sol-gel science and technology</i> . <b>69</b> (2014) , 3; 586-595	1,532 (2014.)	1,793 (2014.)	MATERIALS SCIENCE, CERAMICS	Q2	0,617 (2014.)
20.	Katančić, Zvonimir; Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Grozdanić, Vedrana; Hrnjak-Murgić, Zlata. Effect of modified nanofillers on fire retarded HDPE/Wood composites. // <i>Journal of composite materials</i> . <b>48</b> (2014) , 30; 3771-3783	1,173 (2014.)	1,342 (2014.)	MATERIALS SCIENCE, COMPOSITES	Q2	1,006 (2014.)
21.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata. Flammability and thermal properties of zeolite filled high-impact polystyrene composites. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 14; 1487-1493	1,481 (2012.)	1,314 (2012.)	POLYMER SCIENCE	Q2	1,332 (2012.)
22.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Thermal decomposition of fire-retarded high-impact polystyrene and high-impact polystyrene/ethylene-vinyl acetate blend nanocomposites followed by thermal analysis. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 3; 233-252	0,773 (2014.)	0,777 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q4	1,567 (2014.)
				POLYMER SCIENCE	Q4	1,651 (2014.)
23.	Katić, Jozefina; Metikoš-Huković, Mirjana. Correlation between electronic and corrosion properties of the passive oxide film on Nitinol. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 350-356	0,686 (2014.)	0,774 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
24.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Synthesis and characterization of calcium phosphate coatings on Nitinol. // <i>Journal of applied electrochemistry</i> . <b>44</b> (2014) , 1; 87-96	2,409 (2014.)	2,254 (2014.)	ELECTROCHEMISTRY	Q2	2,192 (2014.)
25.	Katić, Jozefina; Metikoš-Huković, Mirjana; Škapin, Srečo Davor; Petravić, Mladen; Varašanec, Marijana. The potential-assisted deposition as valuable tool for producing functional apatite coatings on metallic materials. // <i>Electrochimica acta</i> . <b>127</b> (2014) ; 173-179	4,504 (2014.)	4,578 (2014.)	ELECTROCHEMISTRY	Q1	2,192 (2014.)

26.	Katić, Višnja; Otmačić Ćurković, Helena; Semenski, Damir; Baršić, Gorana; Marušić, Katarina; Špalj, Stjepan. Influence of surface layer on mechanical and corrosion properties of nickel-titanium orthodontic wires. // <i>Angle orthodontist</i> . <b>84</b> (2014), 6; 1041-1048	1,225 (2014.)	1,584 (2014.)	DENTISTRY, ORAL SURGERY & MEDICINE	Q3	1,260 (2014.)
27.	Kereković, Irena. Electrochemical evaluation of binding copper and copper histidine complex on histidine modified gold electrode. // <i>International Journal of Electrochemical science</i> . <b>9</b> (2014); 5596-5606	1,500 (2014.)	1,731 (2014.)	ELECTROCHEMISTRY	Q3	2,192 (2014.)
28.	Kereković, Irena; Milardović, Stjepan; Palčić, Marina; Grabarić, Zorana. Characterization of cysteamine self assembled on gold functionalized with nitrilotriacetic acid and evaluation of copper(II) binding capacity with adsorption transfer stripping voltammetry. // <i>Journal of electroanalytical chemistry</i> . <b>724</b> (2014); 103-110	2,729 (2014.)	2,790 (2014.)	CHEMISTRY, ANALYTICAL	Q2	2,022 (2014.)
				ELECTROCHEMISTRY	Q2	2,192 (2014.)
29.	Koenders, Eduardus A.B.; Hansen, Will; Ukrainczyk Neven; Toledo-Filho Romildo. Modeling pore continuity and durability of cementitious sealing material. // <i>Journal of energy resources technology-Transactions of the ASME</i> . <b>136</b> (2014), 4; 042906-1-042906-11	1,886 (2014.)	1,688 (2014.)	ENERGY & FUELS	Q3	1,993 (2014.)
30.	Kopčić, Nina; Vuković Domanovac, Marija; Kučić, Dajana; Briški, Felicita. Evaluation of laboratory-scale in-vessel co-composting of tobacco and apple waste. // <i>Waste management</i> . <b>34</b> (2014), 2; 323-328	3,220 (2014.)	3,522 (2014.)	ENGINEERING, ENVIRONMENTAL	Q2	1,417 (2014.)
				ENVIRONMENTAL SCIENCES	Q1	1,606 (2014.)
31.	Kovačević, Vera. Controlled CaCO <sub>3</sub> stearate pre-treatment effects on the interphase adhesion in filled SAN/EPDM blend. // <i>Journal of adhesion science and technology</i> . <b>28</b> (2014), 22-23; 2231-2247	0,961 (2014.)	1,160 (2014.)	ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
				MATERIALS SCIENCE, MULTIDISCIPLINARY	Q3	1,567 (2014.)
				MECHANICS	Q3	1,298 (2014.)
32.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Ptiček Siročić, Anita; Hrnjak-Murgić, Zlata. Weathering of high density polyethylene-wood plastic composites. // <i>Journal of wood chemistry and technology</i> . <b>34</b> (2014), 1; 39-54	1,588 (2014.)	1,798 (2014.)	MATERIALS SCIENCE, PAPER & WOOD	Q1	0,732 (2014.)
33.	Kurajica, Stanislav; Popović, Jasminka; Gazivoda, Tatjana; Tkalčec Čižmek, Emilija; Simčić, Ivan; Mandić, Vilko; Altomare, Angela; Moliterni, Anna; Rocquefelte, Xavier. A structural investigation of tris(ethyl acetoacetate)aluminium (III). // <i>Journal of sol-gel science and technology</i> . <b>71</b> (2014); 217-223	1,532 (2014.)	1,793 (2014.)	MATERIALS SCIENCE, CERAMICS	Q2	0,617 (2014.)
34.	Kurajica, Stanislav; Škorić, Irena; Lozić, Iva; Mandić, Vilko. Ethyl acetoacetate ligand distribution in the course of titanium n-butoxide chelation. // <i>Materials chemistry and physics</i> . <b>147</b> (2014), 3; 1058-1067	2,259 (2014.)	2,503 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q2	1,567 (2014.)
35.	Mandić, Vilko; Tkalčec Čižmek, Emilija; Kurajica, Stanislav. The effect of La <sub>2</sub> O <sub>3</sub> addition on sol-gel derived mullitization. // <i>Journal of the</i>	2,610 (2014.)	2,780 (2014.)	MATERIALS SCIENCE, CERAMICS	Q1	0,617 (2014.)

	<i>American Ceramic Society</i> . <b>97</b> (2014) , 7; 2264-2271					
36.	Marušić, Katarina; Hajdari, Zana; Otmačić Ćurković, Helena. Optimizing the preparation procedure of self-assembled monolayer of stearic acid for protection of cupronickel alloy. // <i>Acta Chimica Slovenica</i> . <b>61</b> (2014) ; 328-339	0,686 (2014.)	0,774 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
37.	Mastelić Samardžić, Zrinka; Jelčić, Želimir; Zrnčević, Stanka. Kinetics and mass transfer in the hydrogenation of 2-((1-benzyl-1, 2, 3, 6-tetrahydropyridin-4-yl)methylene)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride over Pt/C catalyst. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 437-445	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
38.	Matijašević, Ljubica; Vučković, Ana; Dejanović, Igor. Analysis of cooling water systems in a petroleum refinery. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 451-457	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
39.	Milovac, Dajana; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: Morphology, mechanical properties and bioactivity. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>34</b> (2014) ; 437-445	3,088 (2014.)	3,230 (2014.)	MATERIALS SCIENCE, BIOMATERIALS	Q3	3,088 (2014.)
40.	Milovac, Dajana; Gamboa-Martínez Tatiana C.; Ivanković, Marica; Gallego Ferrer, Gloria; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: in vitro cell culture studies. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 264-272	3,088 (2014.)	3,230 (2014.)	MATERIALS SCIENCE, BIOMATERIALS	Q3	3,088 (2014.)
41.	Milovac, Nikolina; Juretić, Daria; Kušić, Hrvoje; Đermadi, Jasna; Lončarić Božić, Ana. Photooxidative degradation of aromatic carboxylic acids in water ; influence of hydroxyl substituents. // <i>Industrial &amp; Engineering Chemistry Research</i> . <b>53</b> (2014) , 26; 10590-10598	2,587 (2014.)	2,740 (2014.)	ENGINEERING, CHEMICAL	Q1	1,310 (2014.)
42.	Mutavdžić Pavlović, Dragana; Ćurković, Lidija; Blažek, Dijana; Župan, Josip. The sorption of sulfamethazine on soil samples: Isotherms and error analysis. // <i>Science of the total environment</i> . <b>497-498</b> (2014) ; 543-552	4,099 (2014.)	4,414 (2014.)	ENVIRONMENTAL SCIENCES	Q1	1,606 (2014.)
43.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Effect of polymer modifiers on the properties of bitumen. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 5; 448-469	0,773 (2014.)	0,777 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q4	1,567 (2014.)
				POLYMER SCIENCE	Q4	1,651 (2014.)
44.	Ocelić Bulatović, Vesna; Rek, Vesna; Marković, Josipa. Rheological properties of bitumen modified with ethylene butylacrylate glycidylmethacrylate. // <i>Polymer engineering and science</i> . <b>54</b> (2014) , 5; 1056-1065	1,520 (2014.)	1,608 (2014.)	ENGINEERING, CHEMICAL	Q2	1,310 (2014.)
				POLYMER SCIENCE	Q3	1,651 (2014.)

45.	Palčić, Marina; Milardović, Stjepan; Kereković, Irena; Grabarić, Zorana. Application of nitrilotriacetic acid modified gold electrode for determination of lead in natural waters with differential pulse adsorptive cathodic stripping voltammetry. // <i>International Journal of Electrochemical Science</i> . <b>9</b> (2014), 7; 3701-3714	1,500 (2014.)	1,731 (2014.)	ELECTROCHEMISTRY	Q3	2,192 (2014.)
46.	Papić, Sanja; Peternel, Igor; Krevzelj, Željko; Kušić, Hrvoje; Koprivanac, Natalija. Advanced oxidation of an azo dye and its synthesis intermediates in aqueous solution: effect of Fenton treatment on mineralization, biodegradability and toxicity. // <i>Environmental Engineering and Management Journal</i> . <b>13</b> (2014), 10; 2561-2571	1,065 (2014.)	0,806 (2014.)	ENVIRONMENTAL SCIENCES	Q3	1,606 (2014.)
47.	Perin, Nataša; Nhili, Raja; Ester, Katja; Laine, William; Karminski-Zamola, Grace; Kralj, Marijeta; David-Cordonnier, Marie-Héle`ne; Hranjec, Marijana. Synthesis, antiproliferative activity and DNA binding properties of novel 5-aminobenzimidazo[1,2-a]quinoline-6-carbonitriles. // <i>European journal of medicinal chemistry</i> . <b>80</b> (2014); 218-227	3,447 (2014.)	3,946 (2014.)	CHEMISTRY, MEDICINAL	Q1	2,420 (2014.)
48.	Periša, Martina; Babić, Sandra. Simultaneous determination of pharmaceuticals and some of their metabolites in wastewaters by high performance liquid chromatography-tandem mass spectrometry. // <i>Journal of separation science</i> . <b>37</b> (2014.); 1289-1296	2,737 (2014.)	2,597 (2014.)	CHEMISTRY, ANALYTICAL	Q2	2,022 (2014.)
49.	Petravić, Mladen; Varašanec, Marijana; Peter, R; Kavre, I; Metikoš-Huković, Mirjana; Yang, Y.-W. Electronic structure of nitinol surfaces oxidized by low-energy ion bombardment. // <i>Journal of applied physics</i> . <b>115</b> (2014); 43703-43703	2,183 (2014.)	2,276 (2014.)	PHYSICS, APPLIED	Q2	1,563 (2014.)
50.	Plodinec, Milivoj; Gajović, Andreja; Iveković, Damir; Tomašić, Nenad; Zimmerman, Boris; Macan, Jelena; Haramina, Tatjana; Su, DangSeng; Willinger, Marc. Study of thermal stability of (3-aminopropyl)trimethoxy silane-grafted titanate nanotubes for application as nanofillers in polymers. // <i>Nanotechnology</i> . <b>25</b> (2014); 435601-435614	3,821 (2014.)	3,885 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q1	1,567 (2014.)
				NANOSCIENCE & NANOTECHNOLOGY	Q2	2,211 (2014.)
				PHYSICS, APPLIED	Q1	1,563 (2014.)
51.	Ptiček Siročić, Anita; Kratofil Krehula, Ljerka; Katančić, Zvonimir; Hrnjak-Murgić, Zlata. Kinetic analysis of thermal and thermo-oxidative degradation of polyethylene (nano)composites. // <i>Composite interfaces</i> . <b>21</b> (2014), 3; 179-189	0,726 (2014.)	0,783 (2014.)	MATERIALS SCIENCE, COMPOSITES	Q3	1,006 (2014.)
52.	Ptiček Siročić, Anita; Rešček, Ana; Hrnjak-Murgić, Zlata. Polyethylene nanocomposites filled with modified nanoparticles. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014), 8; 811-817	1,481 (2012.)	1,314 (2012.)	POLYMER SCIENCE	Q2	1,332 (2012.)

53.	Ptiček Siročić, Anita; Rešček, Ana; Ščetar, Mario; Kratofil Krehula, Ljerka; Hrnjak-Murgić, Zlata. Development of low density polyethylene nanocomposites films for packaging. // <i>Polymer bulletin</i> . <b>71</b> (2014), 3; 705-717	1,438 (2014.)	1,587 (2014.)	POLYMER SCIENCE	Q3	1,651 (2014.)
54.	Pustak, Anđela; Leskovac, Mirela; Denac, Matjaž; Švab, Iztok; Pohleven, Janez; Makarovič, Matjaž; Musil, Vojko; Šmit, Ivan. Interfacial and mechanical properties of polypropylene/silica nano- and microcomposites. // <i>Journal of reinforced plastics and composites</i> . <b>33</b> (2014), 9; 851-861	1,503 (2014.)	1,323 (2014.)	MATERIALS SCIENCE, COMPOSITES	Q2	1,006 (2014.)
				POLYMER SCIENCE	Q3	1,651 (2014.)
55.	Rogina, Anamarija. Electrospinning process: Versatile preparation method for biodegradable and natural polymers and biocomposite systems applied in tissue engineering and drug delivery. // <i>Applied surface science</i> . <b>296</b> (2014); 221-230	2,711 (2014.)	2,735 (2014.)	CHEMISTRY, PHYSICAL	Q2	2,167 (2014.)
				MATERIALS SCIENCE, COATINGS & FILMS	Q1	1,500 (2014.)
				PHYSICS, APPLIED	Q1	1,563 (2014.)
				PHYSICS, CONDENSED MATTER	Q2	1,839 (2014.)
56.	Rogošić, Marko; Sander, Aleksandra; Pantaler, Martina. Application of 1-pentyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide for desulfurization, denitrification and dearomatization of FCC gasoline. // <i>Journal of Chemical Thermodynamics</i> . <b>76</b> (2014); 1-15	2,679 (2014.)	2,531 (2014.)	CHEMISTRY, PHYSICAL	Q2	2,167 (2014.)
				THERMODYNAMICS	Q1	1,168 (2014.)
57.	Sander, Aleksandra; Penović, Tomislav. Droplet size distribution obtained by atomization with two-fluid nozzles in a spray dryer. // <i>Chemical engineering &amp; technology</i> . <b>37</b> (2014), 12; 2073-2084	2,442 (2014.)	2,013 (2014.)	ENGINEERING, CHEMICAL	Q1	1,310 (2014.)
58.	Sinčić, Dinko; Ribić, Bojan; Caharija, Alojz. Novel fouling measurement device. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014), 4; 465-472	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
59.	Somogyi Škoc, Maja; Macan, Jelena; Pezelj, Emira. Modification of polyurethane-coated fabrics by sol-gel thin films. // <i>Journal of applied polymer science</i> . <b>131</b> (2014), 4; 39914-1-39914-13	1,768 (2014.)	1,662 (2014.)	POLYMER SCIENCE	Q2	1,651 (2014.)
60.	Sopčič, Suzana; Mandić, Zoran; Kraljić Roković, Marijana. Some factors influencing power and energy capabilities of RuO <sub>2</sub> supercapacitors. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014), 2; 272-279	0,686 (2014.)	0,774 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
61.	Sović, Irena; Kraljević Pavelić, Sandra; Markova-Car, Elitza; Ilić, Nataša; Nhili, Raja; Depauw, Sabine; David-Cordonnier, Marie-Hélène; Karminski-Zamola, Grace. Novel phenyl and pyridyl substituted derivatives of isoindolines: Synthesis, antitumor activity and DNA binding features. // <i>European journal of medicinal chemistry</i> . <b>87</b> (2014), 24; 372-385	3,447 (2014.)	3,946 (2014.)	CHEMISTRY, MEDICINAL	Q1	2,420 (2014.)

62.	Steinberg, Matthew D.; Kassal, Petar; Tkalčec, Biserka; Murković Steinberg, Ivana. Miniaturised wireless smart tag for optical chemical analysis applications. // <i>Talanta</i> . <b>118</b> (2014); 375-381	3,545 (2014.)	3,670 (2014.)	CHEMISTRY, ANALYTICAL	Q1	2,022 (2014.)
63.	Steinberg, Matthew D.; Žura, Ivan; Murković Steinberg, Ivana. Wireless smart tag with on-board conductometric chemical sensor. // <i>Sensors and actuators. B, Chemical</i> . <b>196</b> (2014); 208-214	4,097 (2014.)	4,286 (2014.)	CHEMISTRY, ANALYTICAL	Q1	2,022 (2014.)
				ELECTROCHEMISTRY	Q1	2,192 (2014.)
				INSTRUMENTS & INSTRUMENTATION	Q1	1,329 (2014.)
64.	Sudar, Martina; Findrik, Zvezdana; Vuković Domanovac, Marija; Vasić-Rački, Đurđa. Coenzyme regeneration catalyzed by NADH oxidase from <i>Lactococcus lactis</i> . // <i>Biochemical engineering journal</i> . <b>88</b> (2014); 12-18	2,467 (2014.)	2,989 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q2	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q1	1,310 (2014.)
65.	Šagud, Ivana; Božić, Simona; Marinič, Željko; Šindler-Kulyk, Marija. Photochemical approach to functionalized benzobicyclo[3.2.1]octene structures via fused oxazoline derivatives from 4- and 5-(o-vinylstyryl)oxazoles. // <i>Beilstein journal of organic chemistry</i> . <b>10</b> (2014); 2222-2229	2,757 (2014.)	2,780 (2014.)	CHEMISTRY, ORGANIC	Q2	2,109 (2014.)
66.	Šagud, Ivana; Šindler-Kulyk, Marija; Spalletti, Anna; Mazzucato, Ugo. Photoisomerization and photocyclization of 5-styryloxazole. // <i>Croatica chemica acta</i> . <b>87</b> (2014), 4; 327-333	0,728 (2014.)	0,751 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
67.	Šalić, Anita; Zelić, Bruno. ADH catalysed hexanol oxidation with fully integrated NADH regeneration performed in microreactors connected in series. // <i>RSC Advances</i> . <b>4</b> (2014); 41714-41721	3,840 (2014.)	3,907 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q1	1,468 (2014.)
68.	Škugor Rončević, Ivana; Grubač, Zoran; Metikoš-Huković, Mirjana. Electrodeposition of hydroxyapatite coating on AZ91D alloy for biodegradable implant application. // <i>International Journal of Electrochemical Science</i> . <b>9</b> (2014), 11; 5907-5923	1,500 (2014.)	1,731 (2014.)	ELECTROCHEMISTRY	Q3	2,192 (2014.)
69.	Šoštarić, Igor; Nežić, Igor; Jović, Franjo; Marčelić, Eugen; Meštrović, Ernest; Zrnčević, Stanka. Modeling-based development of an enantioselective hydrogenation reaction of a sitagliptine intermediate. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014), 1; 1-11	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
70.	Štrkalj, Anita; Glavaš, Zoran; Matijašić, Gordana. Adsorption of hexavalent chromium from aqueous solution by steel-making slag. // <i>Materiali in tehnologije</i> . <b>48</b> (2014), 5; 619-622	0,548 (2014.)	0,596 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q4	1,567 (2014.)
71.	Tarbuk, Anita; Grancarić, Anamarija; Leskovic, Mirela. Novel cotton cellulose by cationisation during the mercerisation process - Part 1: Chemical and morphological changes. // <i>Cellulose</i> . <b>21</b> (2014), 3; 2167-2179	3,573 (2014.)	4,285 (2014.)	MATERIALS SCIENCE, PAPER & WOOD	Q1	0,732 (2014.)
				MATERIALS SCIENCE, TEXTILES	Q1	0,651 (2014.)
				POLYMER SCIENCE	Q1	1,651 (2014.)

72.	Tarbuk, Anita; Grancarić, Anamarija; Leskovac, Mirela. Novel cotton cellulose by cationisation during mercerisation - Part 2: Interface phenomena. // <i>Cellulose</i> . <b>21</b> (2014) , 3; 2089-2099	3,573 (2014.)	4,285 (2014.)	MATERIALS SCIENCE, PAPER & WOOD	Q1	0,732 (2014.)
				MATERIALS SCIENCE, TEXTILES	Q1	0,651 (2014.)
				POLYMER SCIENCE	Q1	1,651 (2014.)
73.	Tišma, Marina; Molnar, Maja; Škarica, Marija; Čačić, Milan; Zelić, Bruno. Laccase inhibiting activity of some coumarin derivatives. // <i>Letters in organic chemistry</i> . <b>11</b> (2014) ; 583-589	0,664 (2014.)	0,621 (2014.)	CHEMISTRY, ORGANIC	Q4	2,109 (2014.)
74.	Tkalčec, Emilija; Popović, Jasminka; Orlić, Sebastijan; Milardović, Stjepan; Ivanković, Hrvoje. Hydrothermal synthesis and thermal evolution of carbonate-fluorhydroxyapatite scaffold from cuttlefish bones. // <i>Materials science and engineering C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 578-586	3,088 (2014.)	3,230 (2014.)	MATERIALS SCIENCE, BIOMATERIALS	Q3	3,088 (2014.)
75.	Tusić, Marko; Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa. Operational stability of glucoamylase in continuously operated ultrafiltration membrane reactor – experimental methods and mathematical model. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 473-480	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q3	1,310 (2014.)
76.	Ukić, Šime; Mandić, Vilko; Buić, Zdenko; Bolanča, Tomislav; Zelić, Bruno; Kurajica, Stanislav; Novak, Mirjana. Sorption kinetics and structural investigations of acid and alkali pretreated bentonite used for ammonium and phosphate removal from petrochemical wastewater. // <i>Fresenius environmental bulletin</i> . <b>23</b> (2014) , 5; 1260-1270	0,378 (2014.)	0,419 (2014.)	ENVIRONMENTAL SCIENCES	Q4	1,606 (2014.)
77.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography—Part I: Conventional QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 985-996	1,411 (2014.)	1,191 (2014.)	BIOCHEMICAL RESEARCH METHODS	Q4	2,341 (2014.)
				CHEMISTRY, ANALYTICAL	Q3	2,022 (2014.)
78.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part II: Artificial intelligence QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 997-1007	1,411 (2014.)	1,191 (2014.)	BIOCHEMICAL RESEARCH METHODS	Q4	2,341 (2014.)
				CHEMISTRY, ANALYTICAL	Q3	2,022 (2014.)
79.	Ukrainczyk, Neven; Koenders, Eduardus. Representative elementary volumes for 3D modeling of mass transport in cementitious materials. // <i>Modelling and simulation in materials science and engineering</i> . <b>22</b> (2014) , 3; 035001-1-035001-24	2,167 (2014.)	2,696 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q2	1,567 (2014.)
				PHYSICS, APPLIED	Q2	1,563 (2014.)
80.	Valinger, Davor; Vrsalović Presečki, Ana; Kurtanjek, Želimir; Pohl, Martina; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Continuous enzymatic carboligation of	2,128 (2014.)	2,622 (2014.)	BIOCHEMISTRY & MOLECULAR BIOLOGY	Q3	2,672 (2014.)

	benzaldehyde and acetaldehyde in an enzyme ultrafiltration membrane reactor and laminar flow microreactors. // <i>Journal of Molecular Catalysis B: Enzymatic</i> . <b>102</b> (2014) ; 132-137			CHEMISTRY, PHYSICAL	Q3	2,167 (2014.)
81.	Volovšek, Vesna; Dananić, Vladimir; Bistričić, Lahorija; Movre Šapić, Iva; Furić Krešimir. Raman study of vibrational dynamics of aminopropylsilanetriol in gas phase. // <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> . <b>117</b> (2014) ; 478-484	2,353 (2014.)	2,360 (2014.)	SPECTROSCOPY	Q2	1,804 (2014.)
82.	Vrankić, Martina; Žagar, Kristina; Bijelić, Mirjana; Popović, Jasminka; Gržeta, Biserka; Kurajica, Stanislav. Microstructure of sol-gel derived Mn-doped gahnite: Correlation of TEM and XRD investigations. // <i>Journal of physics and chemistry of solids</i> . <b>75</b> (2014) , 11; 1240-1244	1,853 (2014.)	1,918 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q2	1,468 (2014.)
				PHYSICS, CONDENSED MATTER	Q2	1,839 (2014.)
83.	Vuk, Dragana; Kikaš, Ilijana; Molčanov, Krešimir; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of thiophene and furan derivatives: the impact of the type and position of the heteroatom. // <i>Journal of molecular structure</i> . <b>1063</b> (2014) ; 83-91	1,602 (2014.)	1,585 (2014.)	CHEMISTRY, PHYSICAL	Q3	2,167 (2014.)
84.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Margetić, Davor; Škorić, Irena. Thermal electrocyclization reactions II: benzooctatetraenes and benzodecapentaenes. // <i>Tetrahedron</i> . <b>70</b> (2014) ; 886-891	2,641 (2014.)	2,675 (2014.)	CHEMISTRY, ORGANIC	Q2	2,109 (2014.)
85.	Vuk, Dragana; Marinić, Željko; Škorić, Irena. Photochemical approach to new polycyclic substrates suitable for further photocatalytic functionalization. // <i>Croatica chemica acta</i> . <b>87</b> (2014) ; 465-473	0,728 (2014.)	0,751 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
86.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Weak interactions direct crystal packings of arylated 1, 3-butadienes. // <i>Journal of molecular structure</i> . <b>1065-1066</b> (2014) ; 43-51	1,602 (2014.)	1,585 (2014.)	CHEMISTRY, PHYSICAL	Q3	2,167 (2014.)
87.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Novel arylated chloro- and methoxy-1, 3-dibutadienes: influence of substituents on molecular conformation and crystal packing. // <i>Journal of molecular structure</i> . <b>1068</b> (2014) ; 124-129	1,602 (2014.)	1,585 (2014.)	CHEMISTRY, PHYSICAL	Q3	2,167 (2014.)
88.	Zrnčić, Mirta; Gros, Meritxell; Babić, Sandra; Kaštelan-Macan, Marija; Barcelo, Damia; Petrović Mira. Analysis of anthelmintics in surface water by ultra high performance liquid chromatography coupled to quadrupole linear ion trap tandem mass spectrometry. // <i>Chemosphere</i> . <b>99</b> (2014) ; 224-232	3,340 (2014.)	3,854 (2014.)	ENVIRONMENTAL SCIENCES	Q1	1,606 (2014.)
89.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High shear granulation of dolomite – II: Effect of amount of binder liquid on process kinetics. // <i>Chemical Engineering Research and Design</i> . <b>92</b> (2014) ; 1091-1106	2,348 (2014.)	2,528 (2014.)	ENGINEERING, CHEMICAL	Q2	1,310 (2014.)



90.	Žura, Ivan; Babić, Dinko; Steinberg, Matthew D.; Murković Steinberg, Ivana. Low-Cost Conductometric Transducers for Use in Thin Polymer Film Chemical Sensors. // <i>Sensors and actuators. B, Chemical</i> . <b>193</b> (2014.) ; 128-135	4,097 (2014.)	4,286 (2014.)	CHEMISTRY, ANALYTICAL	Q1	2,022 (2014.)
				ELECTROCHEMISTRY	Q1	2,192 (2014.)
				INSTRUMENTS & INSTRUMENTATION	Q1	1,329 (2014.)

### WoS – 2015.

1.	Babić, Sandra; Zrnčić, Mirta; Ljubas, Davor; Ćurković, Lidija; Škorić, Irena. Photolytic and thin TiO <sub>2</sub> film assisted photocatalytic degradation of sulfamethazine in aqueous solution. // <i>Environmental science and pollution research</i> . <b>22</b> (2015) , 15; 11372-11386	2,828 (2014.)	2,920 (2014.)	ENVIRONMENTAL SCIENCES	Q1	1,606 (2014.)
2.	Berger, Michael L.; Maciejewska, Dorota; Vanden Eynde, Jean Jacques; Mottamal, Madhusoodanan; Žabiński, Jerzy; Kaźmierczaki, Paweł; Rezler, Mateusz; Jarak, Ivana; Piantanida, Ivo; Karminski-Zamola, Grace; Mayence, Annie; Rebernik, Patrick; Kumar, Arvind; Ismail, Mohamed A.; Boykin, David W.; Huang, Tien L. Pentamidine analogs as inhibitors of [3H]MK-801 and [3H]ifenprodil binding to rat brain NMDA receptors. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>23</b> (2015) ; 4489-4500	2,793 (2014.)	2,970 (2014.)	BIOCHEMISTRY & MOLECULAR BIOLOGY	Q2	2,672 (2014.)
				CHEMISTRY, MEDICINAL	Q2	2,420 (2014.)
				CHEMISTRY, ORGANIC	Q2	2,109 (2014.)
3.	Bistričić, Lahorija; Borjanović, Vesna; Leskovic, Mirela; Mikac, Lara; McGuire, GE; Shenderova, Olga; Nunn, Nick. Raman spectra, thermal and mechanical properties of poly(ethylene terephthalate) carbon-based nanocomposite films. // <i>Journal of polymer research</i> . <b>22</b> (2015) , 3; 39-1-39-12	1,920 (2014.)	1,907 (2014.)	POLYMER SCIENCE	Q2	1,651 (2014.)
4.	Budžaki, Sandra; Šalić, Anita; Zelić, Bruno; Tišma, Marina. Enzyme catalyzed biodiesel production from edible and waste cooking oil. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 329-333	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
5.	Dujella, Andrej; Gusić, Ivica; Tadić, Petra. The rank and generators of Kihara's elliptic curve with torsion $Z/4Z$ over $Q(t)$ . // <i>Proceedings of the Japan Academy. Series A Mathematical sciences</i> . <b>91</b> (2015) , 8; 105-109	0,221 (2014.)	0,367 (2014.)	MATHEMATICS	Q4	0,607 (2014.)
6.	Faraguna, Fabio; Siuc, Valentina; Vidović, Elvira; Jukić, Ante. Reactivity ratios and properties of copolymers of 2-ethoxyethyl methacrylate with dodecyl methacrylate or styrene. // <i>Journal of polymer research</i> . <b>22:Article 245</b> (2015) ; 1-11	1,920 (2014.)	1,907 (2014.)	POLYMER SCIENCE	Q2	1,651 (2014.)
7.	Faraguna, Fabio; Vidović, Elvira; Jukić, Ante. Reactivity ratios and copolymer properties of 2-(diisopropylamino)ethyl methacrylate with methyl methacrylate and styrene. // <i>Polymer international</i> . <b>64</b> (2015) ; 1497-1504	2,409 (2014.)	2,340 (2014.)	POLYMER SCIENCE	Q2	1,651 (2014.)
8.	Foglar, Lucija; Papić, Sanja; Margeta, Dunja; Sertić-Bionda, Katica. The use of different reactor systems for biological treatment of petroleum refinery wastewaters. // <i>Fresenius Environmental</i>	0,378 (2014.)	0,419 (2014.)	ENVIRONMENTAL SCIENCES	Q4	1,606 (2014.)

	<i>Bulletin</i> . <b>24</b> (2015) , 11 a; 3695-3702					
9.	Govorčin Bajsić, Emi; Očelić Bulatović, Vesna; Rek, Vesna. The influence of filler treatment on the properties of TPU/PP blends: I. Thermal properties and stability. // <i>Polymer engineering and science</i> . <b>55</b> (2015) , 8; 1920-1930	1,520 (2014.)	1,608 (2014.)	ENGINEERING, CHEMICAL	Q2	1,310 (2014.)
				POLYMER SCIENCE	Q3	1,651 (2014.)
10.	Gusić, Ivica; Tadić, Petra. Injectivity of the specialization homomorphism of elliptic curves. // <i>Journal of number theory</i> . <b>148</b> (2015) ; 137-152	0,593 (2014.)	0,588 (2014.)	MATHEMATICS	Q3	0,607 (2014.)
11.	Hrkovac, Martina; Prlić Kardum, Jasna; Ukrainczyk, Neven. Influence of NaCl on Granulometric Characteristics and Polymorphism in Batch-Cooling Crystallization of Glycine. // <i>Chemical engineering &amp; technology</i> . <b>38</b> (2015) , 1; 139-146	2,442 (2015.)	2,013 (2014.)	ENGINEERING, CHEMICAL	Q1	1,310 (2014.)
12.	Ivušić, Franjo; Lahodny-Šarc, Olga; Otmačić Ćurković, Helena; Alar, Vesna. Synergistic inhibition of carbon steel corrosion in seawater by cerium chloride and sodium gluconate. // <i>Corrosion science</i> . <b>98</b> (2015) ; 88-97	4,422 (2014.)	4,831 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q1	1,567 (2014.)
				METALLURGY & METALLURGICAL ENGINEERING	Q1	0,782 (2014.)
13.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Peternel, Igor; Lončarić Božić, Ana. Prediction of key structural features responsible for aromaticity of single-benzene ring pollutants and their photooxidative intermediates. // <i>Chemical engineering journal</i> . <b>276</b> (2015) ; 261-273	4,321 (2014.)	4,621 (2014.)	ENGINEERING, CHEMICAL	Q1	1,310 (2014.)
				ENGINEERING, ENVIRONMENTAL	Q1	1,417 (2014.)
14.	Jurinjak Tušek, Ana; Anić, Iva; Kurtanjek, Želimir; Zelić, Bruno. Mass transfer coefficients of slug flow for organic solvent-aqueous system in a microreactor. // <i>Korean journal of chemical engineering</i> . <b>32</b> (2015) , 6; 1037-1045	1,166 (2014.)	1,131 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q3	1,468 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
15.	Kassal, Petar; Kim, Jayoung; Kumar, Rajan; de Araujo, William Reis; Steinberg, Ivana; Steinberg, Matthew; Wang, Joseph. Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. // <i>Electrochemistry communications</i> . <b>56</b> (2015) ; 6-10	4,847 (2014.)	5,263 (2014.)	ELECTROCHEMISTRY	Q1	2,192 (2014.)
16.	Katić, Jozefina; Metikoš-Huković, Mirjana; Milošev, Ingrid. Ionic and electronic conductivity of the anodic films on nickel. // <i>Journal of the Electrochemical Society</i> . <b>162</b> (2015) , 14; C767-C774	3,266 (2014.)	3,268 (2014.)	ELECTROCHEMISTRY	Q2	2,192 (2014.)
				MATERIALS SCIENCE, COATINGS & FILMS	Q1	1,500 (2014.)
17.	Katić, Jozefina; Metikoš-Huković, Mirjana; Peter, Robert; Petravić, Mladen. The electronic structure of the $\alpha$ -Ni(OH) <sub>2</sub> films: Influence on the production of the high-performance Ni-catalyst surface. // <i>Journal of power sources</i> . <b>282</b> (2015) ; 421-428	6,217 (2014.)	6,227 (2014.)	ELECTROCHEMISTRY	Q1	2,192 (2014.)
				ENERGY & FUELS	Q1	1,993 (2014.)

18.	Katić, Višnja; Mandić, Vilko; Ježek, Damir; Baršić, Gorana; Špalj, Stjepan. Influence of various fluoride agents on working properties and surface characteristics of uncoated, rhodium coated and nitrified nickel- titanium orthodontic wires. // <i>Acta odontologica scandinavica</i> . <b>73</b> (2015), 4; 241-249	1,030 (2014.)	1,313 (2014.)	DENTISTRY, ORAL SURGERY & MEDICINE	Q3	1,260 (2014.)
19.	Košutić, Krešimir; Dolar, Davor; Strmecky, Tea. Treatment of landfill leachate by membrane processes of nanofiltration and reverse osmosis. // <i>Desalination and Water Treatment</i> . <b>55</b> (2015), 10; 2680-2689	1,173 (2014.)	1,017 (2014.)	ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
				WATER RESOURCES	Q3	1,344 (2014.)
20.	Kraguljac, Kornelije; Vidović, Elvira; Šoljić Jerbić, Ivana; Jukić, Ante. A chromatographic study of shear stability of poly(styrene-co-alkyl methacrylate) viscosity modifier for lubricating oils. // <i>Petroleum science and technology</i> . <b>33</b> (2015); 374-380	0,307 (2014.)	0,407 (2014.)	ENERGY & FUELS	Q4	1,993 (2014.)
				ENGINEERING, CHEMICAL	Q4	1,310 (2014.)
				ENGINEERING, PETROLEUM	Q3	0,558 (2014.)
21.	Kratofil Krehula, Ljerka; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Study of masterbatch effect on miscibility and morphology in PET/HDPE blends. // <i>Journal of adhesion science and technology</i> . <b>29</b> (2015), 2; 74-93	0,961 (2014.)	1,160 (2014.)	ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
				MATERIALS SCIENCE, MULTIDISCIPLINARY	Q3	1,567 (2014.)
				MECHANICS	Q3	1,298 (2014.)
22.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Marić, Gojko; Hrnjak-Murgić, Zlata. Study of fire retardancy, thermal and mechanical properties of HDPE-wood composites. // <i>Journal of wood chemistry and technology</i> . <b>35</b> (2015), 6; 412-423	1,588 (2014.)	1,798 (2014.)	MATERIALS SCIENCE, PAPER & WOOD	Q1	0,732 (2014.)
23.	Krištafor, Svjetlana; Bistrović, Andrea; Plavec, Janez; Makuc, Damjan; Martinović, Tamara; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. One-pot click synthesis of 1, 2, 3-triazole-embedded unsaturated uracil derivatives and hybrids of 1, 5- and 2, 5-disubstituted tetrazoles and pyrimidines. // <i>Tetrahedron letters</i> . <b>56</b> (2015); 1222-1228	2,379 (2014.)	2,286 (2014.)	CHEMISTRY, ORGANIC	Q2	2,109 (2014.)
24.	Le Cunff, Jérôme; Tomašić, Vesna; Wittine, Ozren. Photocatalytic degradation of the herbicide terbuthylazine: Preparation, characterization and photoactivity of the immobilized thin layer of TiO <sub>2</sub> /chitosan. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>309</b> (2015); 22-29	2,495 (2014.)	2,549 (2014.)	CHEMISTRY, PHYSICAL	Q2	2,167 (2014.)
25.	Lopac, Vjera. Water jets from bottles, buckets, barrels, and vases with holes. // <i>The Physics Teacher</i> . <b>53</b> (2015), 3 (March); 169-173	-	-	-	-	-
26.	Mandić, Vilko; Kurajica, Stanislav. The influence of solvents on sol-gel derived calcium aluminate. // <i>Materials science in semiconductor processing</i> . <b>38</b> (2015); 306-313	1,955 (2014.)	1,806 (2014.)	ENGINEERING, ELECTRICAL & ELECTRONIC	Q2	1,235 (2014.)
				MATERIALS SCIENCE, MULTIDISCIPLINARY	Q2	1,567 (2014.)
				PHYSICS, APPLIED	Q2	1,563 (2014.)
				PHYSICS, CONDENSED MATTER	Q2	1,839 (2014.)

27.	Maračić, Silvija; Gazivoda Kraljević, Tatjana; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Verbanac, Donatella; Cetina, Mario; Raić-Malić Silvana. 1,2,3-Triazolepharmacophore-based benzofused nitrogen/sulfur heterocycles with potential anti- <i>Moraxella catarrhalis</i> activity. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>23</b> (2015) ; 7448-7463	2,793 (2014.)	2,970 (2014.)	BIOCHEMISTRY & MOLECULAR BIOLOGY	Q2	2,672 (2014.)
				CHEMISTRY, MEDICINAL	Q2	2,420 (2014.)
				CHEMISTRY, ORGANIC	Q2	2,109 (2014.)
28.	Margeta, Karmen; Stefanović, Štefica Cerjan; Kaucic, Verceslav; Logar, Natasa Zabukovec. The potential of clinoptilolite-rich tuffs from Croatia and Serbia for the reduction of toxic concentrations of cations and anions in aqueous solutions. // <i>Applied clay science</i> . <b>116</b> (2015) ; 111-119	2,467 (2014.)	3,246 (2014.)	CHEMISTRY, PHYSICAL	Q2	2,167 (2014.)
				MATERIALS SCIENCE, MULTIDISCIPLINARY	Q1	1,567 (2014.)
				MINERALOGY	Q1	1,329 (2014.)
29.	Meščić, Andriana; Harej, Anja; Klobučar, Marko; Glavač, Danijel; Cetina, Mario; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Discovery of new acid ceramidase-targeted acyclic 5-alkynyl and 5-heteroaryl uracil nucleosides. // <i>ACS Medicinal Chemistry Letters</i> . <b>6</b> (2015) , 11; 1150-1155	3,120 (2014.)	3,166 (2014.)	CHEMISTRY, MEDICINAL	Q1	2,420 (2014.)
30.	Miklečić, Josip; Lučić Blagojević, Sanja; Petrić, Marko; Jirouš-Rajković, Vlatka. Influence of TiO <sub>2</sub> and ZnO nanoparticles on properties of waterborne polyacrylate coating exposed to outdoor conditions. // <i>Progress in organic coatings</i> . <b>89</b> (2015) ; 67-74	2,358 (2014.)	2,600 (2014.)	CHEMISTRY, APPLIED	Q1	1,256 (2014.)
				MATERIALS SCIENCE, COATINGS & FILMS	Q1	1,500 (2014.)
31.	Mutavdžić Pavlović, Dragana; Nikšić, Korana; Livazović, Sara; Brnardić, Ivan; Anžlovar, Alojz. Preparation and application of sulfaguanidine- imprinted polymer on solid-phase extraction of pharmaceuticals from water. // <i>Talanta</i> . <b>131</b> (2015) ; 99-107	3,545 (2014.)	3,670 (2014.)	CHEMISTRY, ANALYTICAL	Q1	2,022 (2014.)
32.	Palaić, Nikolina; Sertić-Bionda, Katica; Margeta, Dunja; Podolski, Štefica. Oxidative desulphurization of diesel fuels. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 323-327	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
33.	Panjičko, Mario; Zupančič, Gregor Drago; Zelić, Bruno. Anaerobic biodegradation of raw and pre-treated brewery spent grain utilizing solid state anaerobic digestion. // <i>Acta chimica Slovenica</i> . <b>62</b> (2015) , 4; 818-827	0,686 (2014.)	0,774 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
34.	Pustak, Anđela; Denac, Matjaž; Leskovic, Mirela; Švab, Iztok; Musil, Vojko; Šmit, Ivan. Polypropylene/silica micro- and nanocomposites modified with poly(styrene- <i>b</i> -ethylene-co-butylene- <i>b</i> -styrene). // <i>Journal of applied polymer science</i> . <b>132</b> (2015) , 6; 41486-41498	1,768 (2014.)	1,662 (2014.)	POLYMER SCIENCE	Q2	1,651 (2014.)
35.	Pustak, Anđela; Denac, Matjaž; Leskovic, Mirela; Švab, Iztok; Vojko, Musil, Ivan, Šmit. Morphology and mechanical properties of iPP/silica composites modified with (styrene- <i>b</i> -ethylene-co-butylene- <i>b</i> -styrene) grafted with maleic anhydride. // <i>Polymer-Plastics Technology and Engineering</i> . <b>54</b> (2015) , 6;	1,481 (2012.)	1,314 (2012.)	POLYMER SCIENCE	Q2	1,332 (2012.)

	647-660					
36.	Raić-Malić, Silvana; Meščić, Andrijana. Recent trends in 1, 2, 3-triazolo-nucleosides as promising anti-infective and anticancer agents. // <i>Current medicinal chemistry</i> . <b>22</b> (2015) ; 1462-1499	3,853 (2014.)	4,115 (2014.)	BIOCHEMISTRY & MOLECULAR BIOLOGY	Q2	2,672 (2014.)
				CHEMISTRY, MEDICINAL	Q1	2,420 (2014.)
				PHARMACOLOGY & PHARMACY	Q1	2,362 (2014.)
37.	Rastija, Vesna; Agić, Dejan; Tomić, Sanja; Nikolić, Sonja; Hranjec, Marijana; Karminski-Zamola, Grace; Abramić, Marija. Synthesis, QSAR, and molecular dynamics simulation of amidino-substituted nenzimidazoles as dipeptidyl peptidase III inhibitors. // <i>Acta Chimica Slovenica</i> . <b>62</b> (2015) , 4; 867-878	0,686 (2014.)	0,774 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
38.	Rogina, Anamarija; Rico, Patricia; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. Effect of in situ formed hydroxyapatite on microstructure of freeze-gelled chitosan-based biocomposite scaffolds. // <i>European polymer journal</i> . <b>68</b> (2015) ; 278-287	3,005 (2014.)	3,198 (2014.)	POLYMER SCIENCE	Q1	1,651 (2014.)
39.	Salihović, Mirsada; Osmanović, Amar; Špirtović-Halilović, Selma; Roca, Sunčica; Meščić, Andrijana; Vujisić, Ljubodrag; Trifunović, Snežana; Završnik, Davorka; Sofić, Emin. Synthesis, structural, conformational and DFT studies of N-3 and O-4 alkylated regioisomers of 5-(hydroxypropyl)pyrimidine. // <i>Journal of molecular structure</i> . <b>1091</b> (2015) ; 170-176	1,602 (2014.)	1,585 (2014.)	CHEMISTRY, PHYSICAL	Q3	2,167 (2014.)
40.	Sović, Irena; Viskić, Marko; Bertoša, Branimir; Ester, Katja; Kralj, Marijeta; Hranjec, Marijana; Karminski-Zamola, Grace. Exploring antiproliferative activity of heteroaromatic amides and their fused derivatives using 3D-QSAR, synthesis and biological tests. // <i>Monatshefte für Chemie</i> . <b>146</b> (2015) , 9; 1503-1517	1,222 (2014.)	1,326 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q3	1,468 (2014.)
41.	Steinberg, Matthew; Kassal, Petar; Kereković, Irena; Steinberg, Ivana. A wireless potentiostat for mobile chemical sensing and biosensing. // <i>Talanta</i> . <b>143</b> (2015) ; 178-183	3,545 (2014.)	3,670 (2014.)	CHEMISTRY, ANALYTICAL	Q1	2,022 (2014.)
42.	Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Martinović, Tamara; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Snoeck, Robert; Andrei, Graciela; Schols, Dominique; Wittine, Karlo; Mintas, Mladen. Novel halogenated 3-deazapurine, 7-deazapurine and alkylated 9-deazapurine derivatives of L-ascorbic or imino-L-ascorbic acid: Synthesis, antitumour and antiviral activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>102</b> (2015) ; 288-302	3,447 (2014.)	3,946 (2014.)	CHEMISTRY, MEDICINAL	Q1	2,420 (2014.)
43.	Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa; Soler, Anna; Clapes, Pere. A new concept for production of (3S, 4R)-6-[(benzyloxycarbonyl)amino]-5, 6-dideoxyhex-2-ulose, a precursor of D-fagomine. // <i>RSC Advances</i> . <b>5</b> (2015) ; 69819-69828	3,840 (2014.)	3,907 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q1	1,468 (2014.)

44.	Šabić, Monika; Čižmek, Lara; Vuković Domanovac, Marija; Meštrović, Ernest. Biodegradation of erythromycin with environmental microorganism <i>Pseudomonas aeruginosa</i> 3011. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015), 3; 367-373	0,802 (2014.)	0,863 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q4	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q3	1,310 (2014.)
45.	Šagud, Ivana; Antol, Ivana; Marinić, Željko; Šindler-Kulyk, Marija. Photoinduced intramolecular formal [4 + 2] cycloaddition of aryl-substituted o-vinylstyryl-2-oxazoles to form benzo[f]quinoline derivatives: experimental results and theoretical interpretation. // <i>Journal of Organic Chemistry</i> . <b>80</b> (2015); 9535-9541	4,721 (2014.)	4,385 (2014.)	CHEMISTRY, ORGANIC	Q1	2,109 (2014.)
46.	Šamec, Dunja; Gruz, Jiri; Durgo, Ksenija; Kremer, Dario; Kosalec, Ivan; Valek Žulj, Lidija; Martinez, Sanja; Salopek-Sondi, Branka; Piljac-Žegarac, Jasenka. Molecular and cellular approach in the study of antioxidant/prooxidant properties of <i>Micromeria croatica</i> (Pers.) Schott. // <i>Natural product research</i> . <b>29</b> (2015), 18; 1770-1774	0,919 (2014.)	1,035 (2014.)	CHEMISTRY, APPLIED	Q3	1,256 (2014.)
				CHEMISTRY, MEDICINAL	Q4	2,420 (2014.)
47.	Šmidt, Marina; Kušić, Hrvoje Juretić, Daria; Novak Stankov, Mirjana; Ukić, Šime; Bolanča, Tomislav; Rogošić, Marko; Lončarić Božić, Ana. Modeling photooxidative degradation of aromatics in water; optimization study using response surface and structural-relationship approaches. // <i>Industrial &amp; engineering chemistry research</i> . <b>54</b> (2015), 20; 5427-5441	2,587 (2014.)	2,740 (2014.)	ENGINEERING, CHEMICAL	Q1	1,310 (2014.)
48.	Štrkalj, Anita; Glavaš, Zoran; Matijašić, Gordana. Removal of Ni (II) and Cr (VI) ions from aqueous solution using by-product from the production of aluminium. // <i>Metalurgija</i> . <b>54</b> (2015), 1; 31-34	0,959 (2014.)	0,848 (2014.)	METALLURGY & METALLURGICAL ENGINEERING	Q2	0,782 (2014.)
49.	Švarc, Anera; Valinger, Davor; Vasić-Rački, Đurđa; Vrsalović Presečki, Ana. Stereoselective synthesis of phenylpropane 1, 2- diols from (S)-2-hydroxypropiofenone by NADH- dependent oxidoreductases. // <i>Biochemical engineering journal</i> . <b>103</b> (2015), 15; 250-255	2,467 (2014.)	2,989 (2014.)	BIOTECHNOLOGY & APPLIED MICROBIOLOGY	Q2	2,125 (2014.)
				ENGINEERING, CHEMICAL	Q1	1,310 (2014.)
50.	Touabi, Noura; Martinez, Sanja; Bounoughaz, Moussa. Optimization of electrochemical copper recovery process: effect of the rotation speed in chloride medium of pH=3. // <i>International Journal of Electrochemical Science</i> . <b>10</b> (2015); 7227-7240	1,500 (2014.)	1,731 (2014.)	ELECTROCHEMISTRY	Q3	2,192 (2014.)
51.	Ukić, Šime; Novak, Mirjana; Krilić, Anamarija; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part III: Fuzzy logic QSRR approach. // <i>Chromatographia</i> . <b>78</b> (2015); 889-898	1,411 (2014.)	1,191 (2014.)	BIOCHEMICAL RESEARCH METHODS	Q4	2,341 (2014.)
				CHEMISTRY, ANALYTICAL	Q3	2,022 (2014.)
52.	Ukrainczyk, Neven. Effect of polycarboxylate superplasticiser on	0,590 (2014.)	0,673 (2014.)	CONSTRUCTION & BUILDING	Q3	0,909 (2014.)

	properties of calcium aluminate cement mortar. // <i>Advances in cement research</i> . <b>27</b> (2015) , 7; 388-398			TECHNOLOGY		
				MATERIALS SCIENCE, MULTIDISCIPLINARY	Q4	1,567 (2014.)
53.	Valek Žulj, Lidija; Serdar, Marijana; Martinez, Sanja. Effect of tartrate on the electrochemical behaviour and semiconductive properties of passive film on steel in saturated calcium hydroxide. // <i>Materials and corrosion</i> . <b>66</b> (2015) , 11; 1344-1353	1,373 (2014.)	1,329 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q3	1,567 (2014.)
				METALLURGY & METALLURGICAL ENGINEERING	Q2	0,782 (2014.)
54.	Veljović, Elma; Špirtović-Halilović, Selma; Muratović, Samija; Valek Žulj, Lidija; Roca, Sunčica; Trifunović, Snežana; Osmanović, Amar; Završnik, Davorka. 9-aryl substituted hydroxylated xanthen-3-ones: synthesis, structure and antioxidant potency evaluation. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 2; 121-127	0,728 (2014.)	0,751 (2014.)	CHEMISTRY, MULTIDISCIPLINARY	Q4	1,468 (2014.)
55.	Vranješ Penava, Nina; Rek, Vesna; Slouf, Miroslav; Jelčić, Želimir. Influence of ethylene-propylene-diene terpolymer addition on processing parameters, phase structure and thermal behaviour of polypropylene/low-density polyethylene blends. // <i>Journal of elastomer and plastics</i> . <b>47</b> (2015) , 6; 502-514	0,773 (2014.)	0,777 (2014.)	MATERIALS SCIENCE, MULTIDISCIPLINARY	Q4	1,567 (2014.)
				POLYMER SCIENCE	Q4	1,651 (2014.)
56.	Vrsalović, Mislav; Vučur, Ksenija; Car, Boris; Krcmar, Tomislav; Vrsalović Presečki, Ana. C-reactive protein, renal function and cardiovascular outcome in patients with symptomatic peripheral artery disease and preserved left ventricular systolic function. // <i>Croatian medical journal</i> . <b>56</b> (2015) ; 351-356	1,305 (2014.)	1,563 (2014.)	MEDICINE, GENERAL & INTERNAL	Q2	1,276 (2014.)
57.	Vrsalović, Mislav; Željковиć, Ivan; Vrsalović Presečki, Ana; Pintarić, Hrvoje; Krušlin Božo. C-reactive protein, not cardiac troponin T, improves risk prediction in hypertensives with type A aortic dissection. // <i>Blood pressure</i> . <b>24</b> (2015) ; 212-216	1,808 (2014.)	1,682 (2014.)	PERIPHERAL VASCULAR DISEASE	Q3	2,632 (2014.)
58.	Vrsaljko, Domagoj; Macut, Dejan; Kovačević, Vera. Potential role of nanofillers as compatibilizers in immiscible PLA/LDPE blends. // <i>Journal of applied polymer science</i> . <b>132</b> (2015) , 6; 41414-1-41414-14	1,768 (2014.)	1,662 (2014.)	POLYMER SCIENCE	Q2	1,651 (2014.)
59.	Zrnčić, Mirta; Babić, Sandra; Mutavdžić Pavlović, Dragana. Determination of thermodynamic pKa values of pharmaceuticals from five different groups using capillary electrophoresis. // <i>Journal of separation science</i> . <b>38</b> (2015) ; 1232-1239	2,737 (2014.)	2,597 (2014.)	CHEMISTRY, ANALYTICAL	Q2	2,022 (2014.)

Napomena: Rad označen sivom bojom ima godište, volumen i stranice, nalazi se u časopisu koji je indeksiran u bazi podataka Web of Science Core Collection, ali 15. veljače 2016. rad još nije bio u bazi.

## SCOPUS – 2014.

R. br.	Referenca rada indeksiranog u bazi podataka Scopus	IF	Znanstveno područje časopisa prema Scopusu (Subject Area)
1.	Aleksić, Maja; Bertoša, Branimir; Nhili, Raja; Depauw, Sabine; Martin-Kleiner, Irena; David-Cordonnier, Marie-Helene; Tomić, Sanja; Kralj, Marijeta; Karminski-Zamola, Grace. Anilides and quinolones with nitrogen-bearing substituents from benzothiophene- and thienothiophene- series: synthesis, photochemical synthesis, cytostatic evaluation, 3D-derived QSAR analysis and DNA-binding properties. // <i>European journal of medicinal chemistry</i> . <b>71</b> (2014) ; 267-281	3,447 (2014.)	Chemistry
			Medicine
			Pharmacology, Toxicology and Pharmaceutics
2.	Ašperger, Danijela; Ćurković, Lidija; Horvat, Alka J. M.; Kaštelan-Macan, Marija. Optimization condition for thin-layer identification of bronzes after anodic sampling. // <i>JPC. Journal of planar chromatography, modern TLC</i> . <b>27</b> (2014) , 2; 84-87	0,670 (2013.)	Biochemistry, Genetics and Molecular Biology
			Chemistry
3.	Ašperger, Danijela; Tišler, Vesna; Zrnčić, Mirta; Mutavdžić Pavlović, Dragana; Babić, Sandra; Horvat, Alka J. M.; Kaštelan-Macan, Marija. HPLC–DAD–FLD Determination of veterinary pharmaceuticals in pharmaceutical industry wastewater with precolumn derivatization using fluorescamine. // <i>Chromatographia</i> . <b>77</b> (2014) ; 1059-1066	1,411 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemistry
4.	Bolanča, Tomislav; Ukić, Šime; Novak, Mirjana; Rogošić, Marko. Computer assisted method development in liquid chromatography. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 2; 111-122	0,728 (2014.)	Chemistry
5.	Bolanča, Tomislav; Ukić, Šime; Peternel, Igor; Kušić, Hrvoje; Lončarić Božić, Ana. Artificial neural network models for advanced oxidation of organics in water matrix - Comparison of applied methodologies. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014) ; 21-29	0,513 (2014.)	Chemical Engineering
			Chemistry
6.	Ćurković, Lidija; Bolanča, Tomislav; Šiljeg, Mario; Foglar, Lucija. Kinetic modelling of Fe <sup>3+</sup> ion uptake by zeolite from water. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014) ; 56-62	0,513 (2014.)	Chemical Engineering
			Chemistry
7.	Dejanović, Igor; Halvorsen, Ivar J.; Skogestad, Sigurd; Jansen, Helmut; Olujić, Žarko. Hydraulic design, technical challenges and comparison of alternative configurations of a four-product dividing wall column. // <i>Chemical engineering and processing</i> . <b>84</b> (2014) ; 71-81	2,071 (2014.)	Chemical Engineering
			Chemistry
			Energy
			Engineering
8.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir. Mass transfer of differently sized organic solutes at spacer covered and permeable nanofiltration wall. // <i>Chemical engineering journal</i> . <b>244</b> (2014) ; 152-159	4,321 (2014.)	Chemical Engineering
			Chemistry
			Engineering
			Environmental Science



9.	Dražević, Emil; Košutić, Krešimir; Freger, Viatcheslav. Permeability and selectivity of reverse osmosis membranes: Correlation to swelling revisited. // <i>Water research</i> . <b>49</b> (2014) ; 444-452	5,528 (2014.)	Environmental Science
			Medicine
10.	Dražević, Emil; Košutić, Krešimir; Kolev, Vesselin; Freger, Viatcheslav. Does hindered transport theory apply to desalination membranes?. // <i>Environmental science &amp; technology</i> . <b>48</b> (2014) , 19; 11471-11478	5,330 (2014.)	Chemistry
			Environmental Science
			Medicine
11.	Faraguna, Fabio; Peter, Robert; Volovšek, Vesna; Jukić, Ante. Synthesis and characterization of alkyl ester functionalized multiwall carbon nanotubes. // <i>Journal of nanoscience and nanotechnology</i> . <b>14</b> (2014) , 8; 6347-6354	1,556 (2014.)	Chemical Engineering
			Chemistry
			Engineering
			Materials Science
			Medicine
12.	Findrik, Zvezdana; Valentović, Ivana; Vasić- Rački, Đurđa. A mathematical model of oxidative deamination of amino acid catalyzed by two D-amino acid oxidases and influence of aeration on enzyme stability. // <i>Applied biochemistry and biotechnology</i> . <b>172</b> (2014) , 6; 3092-3105	1,735 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Immunology and Microbiology
			Medicine
13.	Gazivoda Kraljević, Tatjana; Ilić, Nataša; Stepanić, Višnja; Sappe, Lana; Petranović, Jasna; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Synthesis and in vitro antiproliferative evaluation of novel N-alkylated 6-isobutyl- and propyl pyrimidine derivatives. // <i>Bioorganic &amp; Medicinal Chemistry Letters</i> . <b>24</b> (2014) , 13; 2913-2917	2,420 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemistry
			Medicine
			Pharmacology, Toxicology and Pharmaceutics
14.	Govorčin Bajsić, Emi; Filipan, Veljko; Očelić Bulatović, Vesna. Effect of Silane Treated and Untreated Talc on the Properties of Thermoplastic Polyurethane/Polypropilene Blends. // <i>Advanced materials research</i> . <b>849</b> (2014) ; 121-126	-	Engineering
15.	Grčić, Ivana; Papić, Sanja; Mesec, Danijela; Koprivanac, Natalija; Vujević, Dinko. The kinetics and efficiency of UV assisted advanced oxidation of various types of commercial organic dyes in water. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>273</b> (2014) ; 49-58	2,495 (2014.)	Chemical Engineering
			Chemistry
			Physics and Astronomy
16.	Herner, Željko; Bažok, Renata; Briški, Felicita. Biodegradation of imidacloprid in an open compost pile. // <i>Journal of food agriculture &amp; environment</i> . <b>12</b> (2014) , 3/4; 198-202	-	Agricultural and Biological Sciences
			Environmental Science
			Chemistry
17.	Jović, Franjo; Grašovec, Marko; Dejanović, Igor; Kosar, Vanja. Dynamic simulation of high-pressure tubular reactor for low-density polyethylene production. // <i>Journal of elastomers and plastics</i> . <b>48</b> (2014) , 8; 737-746	0,773 (2014.)	Materials Science

18.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Lončarić Božić, Ana. Modeling of photooxidative degradation of aromatics in water matrix ; combination of mechanistic and structural-relationship approach. // <i>Chemical engineering journal</i> . <b>257</b> (2014) ; 229-241	4,321 (2014.)	Chemical Engineering
			Chemistry
			Engineering
			Environmental Science
19.	Juretić, Daria; Purić, Jelena; Kušić, Hrvoje; Marin, Vedrana; Lončarić Božić, Ana. Structural influence on photooxidative degradation of halogenated phenols. // <i>Water, air and soil pollution</i> . <b>225</b> (2014) , 2143; 1-18	1,554 (2014.)	Environmental Science
20.	Kalinski, Ivana; Juretić, Daria; Kušić, Hrvoje; Peternel, Igor; Lončarić Božić, Ana. Structural aspects of degradation of sulfoaromatics by UV/H2O2 process. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>293</b> (2014) ; 1-11	2,495 (2014.)	Chemical Engineering
			Chemistry
			Physics and Astronomy
21.	Kassal, Petar; Šurina, Robert; Vrsaljko, Domagoj; Murković Steinberg, Ivana. Hybrid sol-gel thin films doped with a pH indicator : Effect of organic modification on optical pH response and surface hydrophobicity. // <i>Journal of sol-gel science and technology</i> . <b>69</b> (2014) , 3; 586-595	1,532 (2014.)	Chemistry
			Materials Science
			Physics and Astronomy
22.	Katančić, Zvonimir; Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Grozdanić, Vedrana; Hrnjak-Murgić, Zlata. Effect of modified nanofillers on fire retarded HDPE/Wood composites. // <i>Journal of composite materials</i> . <b>48</b> (2014) , 30; 3771-3783	1,173 (2014.)	Engineering
			Materials Science
23.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata. Flammability and thermal properties of zeolite filled high-impact polystyrene composites. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 14; 1487-1493	1,481 (2012.)	Chemical Engineering
			Materials Science
24.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Thermal decomposition of fire-retarded high-impact polystyrene and high-impact polystyrene/ethylene-vinyl acetate blend nanocomposites followed by thermal analysis. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 3; 233-252	0,773 (2014.)	Materials Science
25.	Katić, Jozefina; Metikoš-Huković, Mirjana. Correlation between electronic and corrosion properties of the passive oxide film on Nitinol. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 350-356	0,686 (2014.)	Chemistry
			Medicine
26.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Synthesis and characterization of calcium phosphate coatings on Nitinol. // <i>Journal of applied electrochemistry</i> . <b>44</b> (2014) , 1; 87-96	2,409 (2014.)	Chemical Engineering
			Chemistry
			Materials Science
27.	Katić, Jozefina; Metikoš-Huković, Mirjana; Škapin, Srečo Davor; Petravić, Mladen; Varašanec, Marijana. The potential-assisted deposition as valuable tool for producing	4,504 (2014.)	Chemical Engineering

	functional apatite coatings on metallic materials. // <i>Electrochimica acta</i> . <b>127</b> (2014) ; 173-179		Chemistry
28.	Katić, Višnja; Otmačić Ćurković, Helena; Semenski, Damir; Baršić, Gorana; Marušić, Katarina; Špalj, Stjepan. Influence of surface layer on mechanical and corrosion properties of nickel-titanium orthodontic wires. // <i>Angle orthodontist</i> . <b>84</b> (2014) , 6; 1041-1048	1,225 (2014.)	Dentistry Medicine
29.	Kereković, Irena. Electrochemical evaluation of binding copper and copper histidine complex on histidine modified gold electrode. // <i>International Journal of Electrochemical science</i> . <b>9</b> (2014) ; 5596-5606	1,500 (2014.)	Chemistry
30.	Kereković, Irena; Milardović, Stjepan; Palčić, Marina; Grabarić, Zorana. Characterization of cysteamine self assembled on gold functionalized with nitrilotriacetic acid and evaluation of copper(II) binding capacity with adsorption transfer stripping voltammetry. // <i>Journal of electroanalytical chemistry</i> . <b>724</b> (2014) ; 103-110	2,729 (2014.)	Chemical Engineering Chemistry
31.	Koenders, Eduardus A.B.; Hansen, Will; Ukrainczyk Neven; Toledo-Filho Romildo. Modeling pore continuity and durability of cementitious sealing material. // <i>Journal of energy resources technology-Transactions of the ASME</i> . <b>136</b> (2014) , 4; 042906-1-042906-11	1,886 (2014.)	Earth and Planetary Sciences Energy Engineering
32.	Kopčić, Nina; Vuković Domanovac, Marija; Kučić, Dajana; Briški, Felicita. Evaluation of laboratory-scale in-vessel co-composting of tobacco and apple waste. // <i>Waste management</i> . <b>34</b> (2014) , 2; 323-328	3,220 (2014.)	Environmental Science Medicine
33.	Kovačević, Vera. Controlled CaCO <sub>3</sub> stearate pre-treatment effects on the interphase adhesion in filled SAN/EPDM blend. // <i>Journal of adhesion science and technology</i> . <b>28</b> (2014) , 22-23; 2231-2247	0,961 (2014.)	Chemistry Engineering Materials Science Physics and Astronomy
34.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Ptiček Siročić, Anita; Hrnjak-Murgić, Zlata. Weathering of high density polyethylene-wood plastic composites. // <i>Journal of wood chemistry and technology</i> . <b>34</b> (2014) , 1; 39-54	1,588 (2014.)	Chemical Engineering Chemistry Materials Science
35.	Kurajica, Stanislav; Popović, Jasminka; Gazivoda, Tatjana; Tkalčec Čižmek, Emilija; Simčić, Ivan; Mandić, Vilko; Altomare, Angela; Moliterni, Anna; Rocquefelte, Xavier. A structural investigation of tris(ethyl acetoacetate)aluminium (III). // <i>Journal of sol-gel science and technology</i> . <b>71</b> (2014) ; 217-223	1,532 (2014.)	Chemistry Materials Science Physics and Astronomy
36.	Kurajica, Stanislav; Škorić, Irena; Lozić, Iva; Mandić, Vilko. Ethyl acetoacetate ligand distribution in the course of titanium n-butoxide chelation. // <i>Materials chemistry and physics</i> . <b>147</b> (2014) , 3; 1058-1067	2,259 (2014.)	Materials Science Physics and Astronomy
37.	Kurajica, Stanislav; Lozić, Iva; Pantaler, Martina. Thermal decomposition of calcium(II) bis(acetylacetonate) n-hydrate.	-	Chemical Engineering

	// <i>Polimeri: časopis za plastiku i gumu</i> . <b>35</b> (2014) , 1-2; 4-9		Materials Science
38.	Mandić, Vilko; Tkalčec Čižmek, Emilija; Kurajica, Stanislav. The effect of La2O3 addition on sol-gel derived mullitization. // <i>Journal of the American Ceramic Society</i> . <b>97</b> (2014) , 7; 2264-2271	2,610 (2014.)	Materials Science
39.	Marušić, Katarina; Hajdari, Zana; Otmačić Ćurković, Helena. Optimizing the preparation procedure of self- assembled monolayer of stearic acid for protection of cupronickel alloy. // <i>Acta Chimica Slovenica</i> . <b>61</b> (2014) ; 328-339	0,686 (2014.)	Chemistry
			Medicine
40.	Mastelić Samardžić, Zrinka; Jelčić, Želimir; Zrnčević, Stanka. Kinetics and mass transfer in the hydrogenation of 2-((1-benzyl-1, 2, 3, 6-tetrahydropyridin-4-yl)methylene)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride over Pt/C catalyst. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 437-445	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Chemistry
41.	Matijašević, Ljubica; Vučković, Ana; Dejanović, Igor. Analysis of cooling water systems in a petroleum refinery. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 451-457	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Chemistry
42.	Milovac, Dajana; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: Morphology, mechanical properties and bioactivity. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>34</b> (2014) ; 437-445	3,088 (2014.)	Engineering
			Materials Science
			Physics and Astronomy
43.	Milovac, Dajana; Gamboa-Martínez Tatiana C.; Ivanković, Marica; Gallego Ferrer, Gloria; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: in vitro cell culture studies. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 264-272	3,088 (2014.)	Engineering
			Materials Science
			Physics and Astronomy
44.	Milovac, Nikolina; Juretić, Daria; Kušić, Hrvoje; Đermadi, Jasna; Lončarić Božić, Ana. Photooxidative degradation of aromatic carboxylic acids in water ; influence of hydroxyl substituents. // <i>Industrial &amp; Engineering Chemistry Research</i> . <b>53</b> (2014) , 26; 10590-10598	2,587 (2014.)	Chemical Engineering
			Chemistry
			Engineering
45.	Movre Šapić, Iva; Bistričić, Lahorija; Volovšek Vesna; Dananić, Vladimir. Vibrational Analysis of 3-Glycidoxypropyltrimethoxysilane Polymer. // <i>Macromolecular Symposia</i> . <b>339</b> (2014) , 1; 122-129	-	Chemistry
			Materials Science
			Physics and Astronomy
46.	Mutavdžić Pavlović, Dragana; Ćurković, Lidija; Blažek, Dijana; Župan, Josip. The sorption of sulfamethazine on soil samples: Isotherms and error analysis. // <i>Science of the total environment</i> . <b>497-498</b> (2014) ; 543-552	4,099 (2014.)	Environmental Science

47.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Effect of polymer modifiers on the properties of bitumen. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 5; 448-469	0,773 (2014.)	Materials Science
48.	Ocelić Bulatović, Vesna; Rek, Vesna; Marković, Josipa. Rheological properties of bitumen modified with ethylene butylacrylate glycidylmethacrylate. // <i>Polymer engineering and science</i> . <b>54</b> (2014) , 5; 1056-1065	1,520 (2014.)	Chemistry
			Materials Science
49.	Ocelić Bulatović, Vesna; Govorčin Bajsić, Emi; Filipan, Veljko. Compatibilization of Thermoplastic Polyurethane and Polypropylene with a SEBS Compatibilizer. // <i>Advanced materials research</i> . <b>1025-1026</b> (2014) ; 605-614	-	Engineering
50.	Palčić, Marina; Milardović, Stjepan; Kereković, Irena; Grabarić, Zorana. Application of nitrilotriacetic acid modified gold electrode for determination of lead in natural waters with differential pulse adsorptive cathodic stripping voltammetry. // <i>International Journal of Electrochemical Science</i> . <b>9</b> (2014) , 7; 3701-3714	1,500 (2014.)	Chemistry
51.	Papić, Sanja; Peternel, Igor; Krevzelj, Željko; Kušić, Hrvoje; Koprivanac, Natalija. Advanced oxidation of an azo dye and its synthesis intermediates in aqueous solution: effect of Fenton treatment on mineralization, biodegradability and toxicity. // <i>Environmental Engineering and Management Journal</i> . <b>13</b> (2014) , 10; 2561-2571	1,065 (2014.)	Environmental Science
52.	Perin, Nataša; Nhili, Raja; Ester, Katja; Laine, William; Karminski-Zamola, Grace; Kralj, Marijeta; David-Cordonnier, Marie-Hélène; Hranjec, Marijana. Synthesis, antiproliferative activity and DNA binding properties of novel 5-aminobenzimidazo[1,2-a]quinoline-6-carbonitriles. // <i>European journal of medicinal chemistry</i> . <b>80</b> (2014) ; 218-227	3,447 (2014.)	Chemistry
			Medicine
			Pharmacology, Toxicology and Pharmaceutics
53.	Periša, Martina; Babić, Sandra. Simultaneous determination of pharmaceuticals and some of their metabolites in wastewaters by high performance liquid chromatography-tandem mass spectrometry. // <i>Journal of separation science</i> . <b>37</b> (2014.) ; 1289-1296	2,737 (2014.)	Chemical Engineering
			Chemistry
			Medicine
54.	Petravič, Mladen; Varašanec, Marijana; Peter, R; Kavre, I; Metikoš-Huković, Mirjana; Yang, Y.-W. Electronic structure of nitinol surfaces oxidized by low-energy ion bombardment. // <i>Journal of applied physics</i> . <b>115</b> (2014) ; 43703-43703	2,183 (2014.)	Physics and Astronomy
55.	Plodinec, Milivoj; Gajović, Andreja; Iveković, Damir; Tomašić, Nenad; Zimmerman, Boris; Macan, Jelena; Haramina, Tatjana; Su, DangSeng; Willinger, Marc. Study of thermal stability of (3- aminopropyl)trimethoxy silane-grafted titanate nanotubes for application as nanofillers in polymers. // <i>Nanotechnology</i> . <b>25</b> (2014) ; 435601-435614	3,821 (2014.)	Chemical Engineering
			Chemistry
			Engineering
			Materials Science
			Medicine
56.	Ptiček Siročić, Anita; Kratofil Krehula, Ljerka; Katančić, Zvonimir; Hrnjak-Murgić, Zlata. Kinetic analysis of thermal and thermo-oxidative degradation of polyethylene (nano)composites. // <i>Composite interfaces</i> . <b>21</b> (2014) , 3; 179-189	0,726 (2014.)	Materials Science
			Physics and Astronomy

57.	Ptiček Siročić, Anita; Rešček, Ana; Hrnjak-Murđić, Zlata. Polyethylene nanocomposites filled with modified nanoparticles. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 8; 811-817	1,481 (2012.)	Chemical Engineering
			Materials Science
58.	Ptiček Siročić, Anita; Rešček, Ana; Ščetar, Mario; Kratožil Krehula, Ljerka; Hrnjak-Murđić, Zlata. Development of low density polyethylene nanocomposites films for packaging. // <i>Polymer bulletin</i> . <b>71</b> (2014) , 3; 705-717	1,438 (2014.)	Chemistry
			Materials Science
			Physics and Astronomy
59.	Pustak, Anđela; Leskovac, Mirela; Denac, Matjaž; Švab, Iztok; Pohleven, Janez; Makarovič, Matjaž; Musil, Vojko; Šmit, Ivan. Interfacial and mechanical properties of polypropylene/silica nano- and microcomposites. // <i>Journal of reinforced plastics and composites</i> . <b>33</b> (2014) , 9; 851-861	1,503 (2014.)	Engineering
			Materials Science
60.	Rogina, Anamarija. Electrospinning process: Versatile preparation method for biodegradable and natural polymers and biocomposite systems applied in tissue engineering and drug delivery. // <i>Applied surface science</i> . <b>296</b> (2014) ; 221-230	2,711 (2014.)	Materials Science
61.	Rogošić, Marko; Sander, Aleksandra; Pantaler, Martina. Application of 1-pentyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide for desulfurization, denitrification and dearomatization of FCC gasoline. // <i>Journal of Chemical Thermodynamics</i> . <b>76</b> (2014) ; 1-15	2,679 (2014.)	Chemistry
			Materials Science
			Physics and Astronomy
62.	Sander, Aleksandra; Penović, Tomislav. Droplet size distribution obtained by atomization with two-fluid nozzles in a spray dryer. // <i>Chemical engineering &amp; technology</i> . <b>37</b> (2014) , 12; 2073-2084	2,442 (2014.)	Chemical Engineering
			Chemistry
			Engineering
63.	Sinčić, Dinko; Ribić, Bojan; Caharija, Alojz. Novel fouling measurement device. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 465-472	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Chemistry
64.	Somogyi Škoc, Maja; Macan, Jelena; Pezelj, Emira. Modification of polyurethane-coated fabrics by sol-gel thin films. // <i>Journal of applied polymer science</i> . <b>131</b> (2014) , 4; 39914-1-39914-13	1,768 (2014.)	Chemistry
			Materials Science
65.	Sopčič, Suzana; Mandić, Zoran; Kraljić Roković, Marijana. Some factors influencing power and energy capabilities of RuO <sub>2</sub> supercapacitors. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) , 2; 272-279	0,686 (2014.)	Chemistry
			Medicine
66.	Sović, Irena; Kraljević Pavelić, Sandra; Markova-Car, Elitza; Ilić, Nataša; Nhili, Raja; Depauw, Sabine; David-Cordonnier, Marie-Hélène; Karminski-Zamola, Grace. Novel phenyl and pyridyl substituted derivatives of isoindolines: Synthesis, antitumor activity and DNA binding features. // <i>European</i>	3,447 (2014.)	Chemistry
			Medicine

	<i>journal of medicinal chemistry</i> . <b>87</b> (2014) , 24; 372-385		Pharmacology, Toxicology and Pharmaceutics
67.	Steinberg, Matthew D.; Kassal, Petar; Tkalčec, Biserka; Murković Steinberg, Ivana. Miniaturised wireless smart tag for optical chemical analysis applications. // <i>Talanta</i> . <b>118</b> (2014) ; 375-381	3,545 (2014.)	Chemistry
68.	Steinberg, Matthew D.; Žura, Ivan; Murković Steinberg, Ivana. Wireless smart tag with on-board conductometric chemical sensor. // <i>Sensors and actuators. B, Chemical</i> . <b>196</b> (2014) ; 208-214	4,097 (2014.)	Engineering
			Materials Science
			Physics and Astronomy
69.	Sudar, Martina; Findrik, Zvezdana; Vuković Domanovac, Marija; Vasić-Rački, Đurđa. Coenzyme regeneration catalyzed by NADH oxidase from <i>Lactococcus lactis</i> . // <i>Biochemical engineering journal</i> . <b>88</b> (2014) ; 12-18	2,467 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Engineering Environmental Science
70.	Šagud, Ivana; Božić, Simona; Marinić, Željko; Šindler-Kulyk, Marija. Photochemical approach to functionalized benzobicyclo[3.2.1]octene structures via fused oxazoline derivatives from 4- and 5-(o-vinylstyryl)oxazoles. // <i>Beilstein journal of organic chemistry</i> . <b>10</b> (2014) ; 2222-2229	2,757 (2014.)	Chemistry
71.	Šagud, Ivana; Šindler-Kulyk, Marija; Spalletti, Anna; Mazzucato, Ugo. Photoisomerization and photocyclization of 5-styryloxazole. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 4; 327-333	0,728 (2014.)	Chemistry
72.	Šalić, Anita; Zelić, Bruno. ADH catalysed hexanol oxidation with fully integrated NADH regeneration performed in microreactors connected in series. // <i>RSC Advances</i> . <b>4</b> (2014) ; 41714-41721	3,840 (2014.)	Chemical Engineering
			Chemistry
73.	Škugor Rončević, Ivana; Grubač, Zoran; Metikoš-Huković, Mirjana. Electrodeposition of hydroxyapatite coating on AZ91D alloy for biodegradable implant application. // <i>International Journal of Electrochemical Science</i> . <b>9</b> (2014) , 11; 5907-5923	1,500 (2014.)	Chemistry
74.	Šoštarić, Igor; Nežić, Igor; Jović, Franjo; Marčelić, Eugen; Meštrović, Ernest; Zrnčević, Stanka. Modeling-based development of an enantioselective hydrogenation reaction of a sitagliptine intermediate. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 1; 1-11	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Chemistry
75.	Štrkalj, Anita; Glavaš, Zoran; Matijašić, Gordana. Adsorption of hexavalent chromium from aqueous solution by steel-making slag. // <i>Materiali in tehnologije</i> . <b>48</b> (2014) , 5; 619-622	0,548 (2014.)	Materials Science
76.	Tarbuk, Anita; Grancarić, Anamarija; Leskovic, Mirela. Novel cotton cellulose by cationisation during the mercerisation process - Part 1: Chemical and morphological changes. // <i>Cellulose</i> . <b>21</b> (2014) , 3; 2167-2179	3,573 (2014.)	Materials Science
77.	Tarbuk, Anita; Grancarić, Anamarija; Leskovic, Mirela. Novel cotton cellulose by cationisation during mercerisation - Part 2: Interface phenomena. // <i>Cellulose</i> . <b>21</b> (2014) , 3; 2089-2099	3,573 (2014.)	Materials Science

78.	Tišma, Marina; Molnar, Maja; Škarica, Marija; Čačić, Milan; Zelić, Bruno. Laccase inhibiting activity of some coumarin derivatives. // <i>Letters in organic chemistry</i> . <b>11</b> (2014) ; 583-589	0,664 (2014.)	Biochemistry, Genetics and Molecular Biology Chemistry
79.	Tkalčec, Emilija; Popović, Jasminka; Orlić, Sebastijan; Milardović, Stjepan; Ivanković, Hrvoje. Hydrothermal synthesis and thermal evolution of carbonate-fluorhydroxyapatite scaffold from cuttlefish bones. // <i>Materials science and engineering C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 578-586	3,088 (2014.)	Engineering Materials Science Physics and Astronomy
80.	Tusić, Marko; Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa. Operational stability of glucoamylase in continuously operated ultrafiltration membrane reactor – experimental methods and mathematical model. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 473-480	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology Chemical Engineering Chemistry
81.	Ukić, Šime; Mandić, Vilko; Buić, Zdenko; Bolanča, Tomislav; Zelić, Bruno; Kurajica, Stanislav; Novak, Mirjana. Sorption kinetics and structural investigations of acid and alkali pretreated bentonite used for ammonium and phosphate removal from petrochemical wastewater. // <i>Fresenius environmental bulletin</i> . <b>23</b> (2014) , 5; 1260-1270	0,378 (2014.)	Environmental Science
82.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography— Part I: Conventional QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 985-996	1,411 (2014.)	Biochemistry, Genetics and Molecular Biology Chemistry
83.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part II: Artificial intelligence QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 997-1007	1,411 (2014.)	Biochemistry, Genetics and Molecular Biology Chemistry
84.	Ukrainczyk, Neven; Koenders, Eduardus. Representative elementary volumes for 3D modeling of mass transport in cementitious materials. // <i>Modelling and simulation in materials science and engineering</i> . <b>22</b> (2014) , 3; 035001-1-035001-24	2,167 (2014.)	Computer Science Engineering Materials Science Mathematics Physics and Astronomy
85.	Valinger, Davor; Vrsalović Presečki, Ana; Kurtanjek, Želimir; Pohl, Martina; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Continuous enzymatic carbonylation of benzaldehyde and acetaldehyde in an enzyme ultrafiltration membrane reactor and laminar flow microreactors. // <i>Journal of Molecular Catalysis B: Enzymatic</i> . <b>102</b> (2014) ; 132-137	2,128 (2014.)	Biochemistry, Genetics and Molecular Biology Chemical Engineering
86.	Volovšek, Vesna; Dananić, Vladimir; Bistričić, Lahorija; Movre Šapić, Iva; Furić Krešimir. Raman study of vibrational dynamics of aminopropylsilanetriol in gas	2,353 (2014.)	Chemistry



	phase. // <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> . <b>117</b> (2014) ; 478-484		Physics and Astronomy
87.	Vrankić, Martina; Žagar, Kristina; Bijelić, Mirjana; Popović, Jasminka; Gržeta, Biserka; Kurajica, Stanislav. Microstructure of sol-gel derived Mn-doped gahnite: Correlation of TEM and XRD investigations. // <i>Journal of physics and chemistry of solids</i> . <b>75</b> (2014) , 11; 1240-1244	1,853 (2014.)	Chemistry
			Materials Science
			Physics and Astronomy
88.	Vuk, Dragana; Kikaš, Ilijana; Molčanov, Krešimir; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of thiophene and furan derivatives: the impact of the type and position of the heteroatom. // <i>Journal of molecular structure</i> . <b>1063</b> (2014) ; 83-91	1,602 (2014.)	Chemistry
89.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Margetić, Davor; Škorić, Irena. Thermal electrocyclization reactions II: benzooctatetraenes and benzodecapentaenes. // <i>Tetrahedron</i> . <b>70</b> (2014) ; 886-891	2,641 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemistry
			Pharmacology, Toxicology and Pharmaceutics
90.	Vuk, Dragana; Marinić, Željko; Škorić, Irena. Photochemical approach to new polycyclic substrates suitable for further photocatalytic functionalization. // <i>Croatica chemica acta</i> . <b>87</b> (2014) ; 465-473	0,728 (2014.)	Chemistry
91.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Weak interactions direct crystal packings of arylated 1, 3-butadienes. // <i>Journal of molecular structure</i> . <b>1065-1066</b> (2014) ; 43-51	1,602 (2014.)	Chemistry
92.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Novel arylated chloro- and methoxy-1, 3-dibutadienes: influence of substituents on molecular conformation and crystal packing. // <i>Journal of molecular structure</i> . <b>1068</b> (2014) ; 124-129	1,602 (2014.)	Chemistry
93.	Wittine, Ozren; Maduna Valkaj, Karolina, Zrnčević, Stanka. Obrada fenolne otpadne vode katalitičkim oksidacijskim procesima. // <i>Hrvatske vode</i> . <b>22</b> (2014) , 90; 287-296	-	Earth and Planetary Sciences
94.	Zrnčić, Mirta; Gros, Meritxell; Babić, Sandra; Kaštelan-Macan, Marija; Barcelo, Damia; Petrović Mira. Analysis of anthelmintics in surface water by ultra high performance liquid chromatography coupled to quadrupole linear ion trap tandem mass spectrometry. // <i>Chemosphere</i> . <b>99</b> (2014) ; 224-232	3,340 (2014.)	Chemistry
			Environmental Science
			Medicine
95.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High shear granulation of dolomite – II: Effect of amount of binder liquid on process kinetics. // <i>Chemical Engineering Research and Design</i> . <b>92</b> (2014) ; 1091-1106	2,348 (2014.)	Chemical Engineering
			Chemistry
96.	Žura, Ivan; Babić, Dinko; Steinberg, Matthew D.; Murković Steinberg, Ivana. Low-Cost Conductometric Transducers for Use in Thin Polymer Film Chemical Sensors. // <i>Sensors and actuators. B, Chemical</i> . <b>193</b> (2014) ; 128-135	4,097 (2014.)	Engineering
			Materials Science
			Physics and Astronomy

SCOPUS – 2015.

1.	Babić, Sandra; Zrnčić, Mirta; Ljubas, Davor; Ćurković, Lidija; Škorić, Irena. Photolytic and thin TiO <sub>2</sub> film assisted photocatalytic degradation of sulfamethazine in aqueous solution. // <i>Environmental science and pollution research</i> . <b>22</b> (2015) , 15; 11372-11386	2,828 (2014.)	Environmental Science Medicine
2.	Berger, Michael L.; Maciejewska, Dorota; Vanden Eynde, Jean Jacques; Mottamal, Madhusoodanan; Żabiński, Jerzy; Kaźmierczaki, Paweł; Rezler, Mateusz; Jarak, Ivana; Piantanida, Ivo; Karminski-Zamola, Grace; Mayence, Annie; Rebernik, Patrick; Kumar, Arvind; Ismail, Mohamed A.; Boykin, David W.; Huang, Tien L. Pentamidine analogs as inhibitors of [3H]MK-801 and [3H]ifenprodil binding to rat brain NMDA receptors. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>23</b> (2015) ; 4489-4500	2,793 (2014.)	Biochemistry, Genetics and Molecular Biology Chemistry Medicine Pharmacology, Toxicology and Pharmaceutics
3.	Bistričić, Lahoriya; Borjanović, Vesna; Leskovac, Mirela; Mikac, Lara; McGuire, GE; Shenderova, Olga; Nunn, Nick. Raman spectra, thermal and mechanical properties of poly(ethylene terephthalate) carbon-based nanocomposite films. // <i>Journal of polymer research</i> . <b>22</b> (2015) , 3; 39-1-39-12	1,920 (2014.)	Chemistry Materials Science
4.	Budžaki, Sandra; Šalić, Anita; Zelić, Bruno; Tišma, Marina. Enzyme catalyzed biodiesel production from edible and waste cooking oil. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 329-333	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology Chemical Engineering Chemistry
5.	Dujella, Andrej; Gusić, Ivica; Tadić, Petra. The rank and generators of Kihara's elliptic curve with torsion $Z/4Z$ over $Q(t)$ . // <i>Proceedings of the Japan Academy. Series A Mathematical sciences</i> . <b>91</b> (2015) , 8; 105-109	0,221 (2014.)	Mathematics
6.	Faraguna, Fabio; Siuc, Valentina; Vidović, Elvira; Jukić, Ante. Reactivity ratios and properties of copolymers of 2-ethoxyethyl methacrylate with dodecyl methacrylate or styrene. // <i>Journal of polymer research</i> . <b>22:Article 245</b> (2015) ; 1-11	1,920 (2014.)	Chemistry Materials Science
7.	Faraguna, Fabio; Vidović, Elvira; Jukić, Ante. Reactivity ratios and copolymer properties of 2-(diisopropylamino)ethyl methacrylate with methyl methacrylate and styrene. // <i>Polymer international</i> . <b>64</b> (2015) ; 1497-1504	2,409 (2014.)	Materials Science
8.	Faraguna, Fabio; Jukić, Ante. Novi petrokemijski procesi na temelju izravne pretvorbe metana. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 1-2; 27-37	-	Chemical Engineering Chemistry
9.	Foglar, Lucija; Papić, Sanja; Margeta, Dunja; Sertić-Bionda, Katica. The use of different reactor systems for biological treatment of petroleum refinery wastewaters. // <i>Fresenius Environmental Bulletin</i> . <b>24</b> (2015) , 11 a; 3695-3702	0,378 (2014.)	Environmental Science
10.	Govorčin Bajsić, Emi; Ocelić Bulatović, Vesna; Rek, Vesna. The influence of filler treatment on the properties of TPU/PP blends: I .Thermal properties and stability. // <i>Polymer engineering and science</i> .	1,520 (2014.)	Chemistry

	55 (2015) , 8; 1920-1930		Materials Science
11.	Grčić, Ivana; Vrsaljko, Domagoj; Katančić, Zvonimir; Papić, Sanja Purification of household greywater loaded with hair colorants by solar photocatalysis using TiO <sub>2</sub> -coated textile fibers coupled flocculation with chitosan. // <i>Journal of water process engineering</i> . <b>5</b> (2015) ; 15-27	-	Biochemistry, Genetics and Molecular Biology Chemical Engineering Engineering Environmental Science
12.	Gusić, Ivica; Tadić, Petra. Injectivity of the specialization homomorphism of elliptic curves. // <i>Journal of number theory</i> . <b>148</b> (2015) ; 137-152	0,593 (2014.)	Mathematics
13.	Hrkovac, Martina; Prlić Kardum, Jasna; Ukrainczyk, Neven. Influence of NaCl on Granulometric Characteristics and Polymorphism in Batch-Cooling Crystallization of Glycine. // <i>Chemical engineering &amp; technology</i> . <b>38</b> (2015) , 1; 139-146	2,442 (2015.)	Chemical Engineering Chemistry Engineering
14.	Ivušić, Franjo; Lahodny-Šarc, Olga; Otmačić Ćurković, Helena; Alar, Vesna. Synergistic inhibition of carbon steel corrosion in seawater by cerium chloride and sodium gluconate. // <i>Corrosion science</i> . <b>98</b> (2015) ; 88-97	4,422 (2014.)	Chemical Engineering Chemistry Materials Science
15.	Janović, Zvonimir; Veksli, Zorica. Šezdesetgodišnjica Ziegler-Natta katalizatora i stereospecifičnih polimerizacija. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 7-8; 363-379	-	Chemical Engineering Chemistry
16.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Peternel, Igor; Lončarić Božić, Ana. Prediction of key structural features responsible for aromaticity of single-benzene ring pollutants and their photooxidative intermediates. // <i>Chemical engineering journal</i> . <b>276</b> (2015) ; 261-273	4,321 (2014.)	Chemical Engineering Chemistry Engineering Environmental Science
17.	Jurinjak Tušek, Ana; Anić, Iva; Kurtanjek, Želimir; Zelić, Bruno. Mass transfer coefficients of slug flow for organic solvent-aqueous system in a microreactor. // <i>Korean journal of chemical engineering</i> . <b>32</b> (2015) , 6; 1037-1045	1,166 (2014.)	Chemical Engineering Chemistry
18.	Kassal, Petar; Kim, Jayoung; Kumar, Rajan; de Araujo, William Reis; Steinberg, Ivana; Steinberg, Matthew; Wang, Joseph. Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. // <i>Electrochemistry communications</i> . <b>56</b> (2015) ; 6-10	4,847 (2014.)	Chemistry
19.	Katić, Jozefina; Metikoš-Huković, Mirjana; Milošev, Ingrid. Ionic and electronic conductivity of the anodic films on nickel. // <i>Journal of the Electrochemical Society</i> . <b>162</b> (2015) , 14; C767-C774	3,266 (2014.)	Chemistry Energy Materials Science Physics and Astronomy
20.	Katić, Jozefina; Metikoš-Huković, Mirjana; Peter, Robert; Petravić, Mladen.	6,217 (2014.)	Chemistry

	The electronic structure of the $\alpha$ -Ni(OH) <sub>2</sub> films: Influence on the production of the high- performance Ni-catalyst surface. // <i>Journal of power sources</i> . <b>282</b> (2015) ; 421-428		Energy Engineering
21.	Katić, Višnja; Mandić, Vilko; Ježek, Damir; Baršić, Gorana; Špalj, Stjepan. Influence of various fluoride agents on working properties and surface characteristics of uncoated, rhodium coated and nitrified nickel-titanium orthodontic wires. // <i>Acta odontologica scandinavica</i> . <b>73</b> (2015) , 4; 241-249	1,030 (2014.)	Dentistry
22.	Košutić, Krešimir; Dolar, Davor; Strmecky, Tea. Treatment of landfill leachate by membrane processes of nanofiltration and reverse osmosis. // <i>Desalination and Water Treatment</i> . <b>55</b> (2015) , 10; 2680-2689	1,173 (2014.)	Engineering Environmental Science
23.	Kraguljac, Kornelije; Vidović, Elvira; Šoljić Jerbić, Ivana; Jukić, Ante. A chromatographic study of shear stability of poly(styrene-co-alkyl methacrylate) viscosity modifier for lubricating oils. // <i>Petroleum science and technology</i> . <b>33</b> (2015) ; 374-380	0,307 (2014.)	Chemical Engineering Chemistry Earth and Planetary Sciences Energy
24.	Kratofil Krehula, Ljerka; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Study of masterbatch effect on miscibility and morphology in PET/HDPE blends. // <i>Journal of adhesion science and technology</i> . <b>29</b> (2015) , 2; 74-93	0,961 (2014.)	Chemistry Engineering Materials Science Physics and Astronomy
25.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Marić, Gojko; Hrnjak-Murgić, Zlata. Study of fire retardancy, thermal and mechanical properties of HDPE-wood composites. // <i>Journal of wood chemistry and technology</i> . <b>35</b> (2015) , 6; 412-423	1,588 (2014.)	Chemical Engineering Chemistry Materials Science
26.	Krištafor, Svjetlana; Bistrović, Andrea; Plavec, Janez; Makuc, Damjan; Martinović, Tamara; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. One-pot click synthesis of 1, 2, 3-triazole- embedded unsaturated uracil derivatives and hybrids of 1, 5- and 2, 5-disubstituted tetrazoles and pyrimidines. // <i>Tetrahedron letters</i> . <b>56</b> (2015) ; 1222-1228	2,379 (2014.)	Biochemistry, Genetics and Molecular Biology Chemistry Pharmacology, Toxicology and Pharmaceutics
27.	Le Cunff, Jérôme; Tomašić, Vesna; Wittine, Ozren. Photocatalytic degradation of the herbicide terbuthylazine: Preparation, characterization and photoactivity of the immobilized thin layer of TiO <sub>2</sub> /chitosan. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>309</b> (2015) ; 22-29	2,495 (2014.)	Chemical Engineering Chemistry Physics and Astronomy
28.	Maduna Valkaj, Karolina; Kaselj, Ivona; Smolković, Josipa; Zrnčević, Stanka; Kumar, Narendra; Murzin, Dmitry Yu Catalytic Wet Peroxide Oxidation of Olive Oil Mill Wastewater over Zeolite Based Catalyst. // <i>Chemical engineering transactions</i> . <b>43</b> (2015) ; 853-858	-	Chemical Engineering
29.	Maduna Valkaj, Karolina; Wittine, Ozren; Katović, Andrea. Katalitička oksidacija fenola uz zeolitni Cu/Y-5 katalizator: 1. priprava i karakterizacija katalizatora. // <i>Kemija u industriji : časopis kemičara i</i>	-	Chemical Engineering

	<i>tehnologa Hrvatske. 64</i> (2015) , 1-2; 1-10		Chemistry
30.	Maduna Valkaj, Karolina; Mandić, Vilko; Katović, Andrea. Katalitička oksidacija fenola uz zeolitni Cu/Y- 5 katalizator: 2. utjecaj postsintetske termičke i kemijske obrade. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske. 64</i> (2015) , 3-4; 109-116 (članak, znanstveni).	-	Chemical Engineering Chemistry
31.	Mandić, Vilko; Kurajica, Stanislav. The influence of solvents on sol-gel derived calcium aluminate. // <i>Materials science in semiconductor processing. 38</i> (2015) ; 306-313	1,955 (2014.)	Engineering Materials Science Physics and Astronomy
32.	Maračić, Silvija; Gazivoda Kraljević, Tatjana; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Verbanac, Donatella; Cetina, Mario; Raić-Malić Silvana. 1,2,3-Triazolepharmacophore-based benzofused nitrogen/sulfur heterocycles with potential anti- <i>Moraxella catarrhalis</i> activity. // <i>Bioorganic &amp; medicinal chemistry. 23</i> (2015) ; 7448-7463	2,793 (2014.)	Biochemistry, Genetics and Molecular Biology Chemistry Medicine Pharmacology, Toxicology and Pharmaceutics
33.	Margeta, Karmen; Stefanović, Štefica Cerjan; Kaucic, Verceslav; Logar, Natasa Zabukovec. The potential of clinoptilolite-rich tuffs from Croatia and Serbia for the reduction of toxic concentrations of cations and anions in aqueous solutions. // <i>Applied clay science. 116</i> (2015) ; 111-119	2,467 (2014.)	Earth and Planetary Sciences
34.	Meščić, Andrijana; Harej, Anja; Klobučar, Marko; Glavač, Danijel; Cetina, Mario; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Discovery of new acid ceramidase-targeted acyclic 5-alkynyl and 5-heteroaryl uracil nucleosides. // <i>ACS Medicinal Chemistry Letters. 6</i> (2015) , 11; 1150-1155	3,120 (2014.)	Biochemistry, Genetics and Molecular Biology Chemistry Pharmacology, Toxicology and Pharmaceutics
35.	Miklečić, Josip; Lučić Blagojević, Sanja; Petrić, Marko; Jirouš-Rajković, Vlatka. Influence of TiO <sub>2</sub> and ZnO nanoparticles on properties of waterborne polyacrylate coating exposed to outdoor conditions. // <i>Progress in organic coatings. 89</i> (2015) ; 67-74	2,358 (2014.)	Chemical Engineering Chemistry Materials Science
36.	Mutavdžić Pavlović, Dragana; Nikšić, Korana; Livazović, Sara; Brnardić, Ivan; Anžlovar, Alojz. Preparation and application of sulfaguanidine- imprinted polymer on solid-phase extraction of pharmaceuticals from water. // <i>Talanta. 131</i> (2015) ; 99-107	3,545 (2014.)	Chemistry
37.	Palaić, Nikolina; Sertić-Bionda, Katica; Margeta, Dunja; Podolski, Štefica. Oxidative desulphurization of diesel fuels. // <i>Chemical and biochemical engineering quarterly. 29</i> (2015) , 3; 323-327	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology Chemical Engineering Chemistry

38.	Panjičko, Mario; Zupančič, Gregor Drago; Zelić, Bruno. Anaerobic biodegradation of raw and pre-treated brewery spent grain utilizing solid state anaerobic digestion. // <i>Acta chimica Slovenica</i> . <b>62</b> (2015) , 4; 818-827	0,686 (2014.)	Chemistry
			Medicine
39.	Pustak, Anđela; Denac, Matjaž; Leskovac, Mirela; Švab, Iztok; Musil, Vojko; Šmit, Ivan. Polypropylene/silica micro- and nanocomposites modified with poly(styrene-b-ethylene-co-butylene-b-styrene). // <i>Journal of applied polymer science</i> . <b>132</b> (2015) , 6; 41486-41498	1,768 (2014.)	Chemistry
			Materials Science
40.	Pustak, Anđela; Denac, Matjaž; Leskovac, Mirela; Švab, Iztok; Vojko, Musil, Ivan, Šmit. Morphology and mechanical properties of iPP/silica composites modified with (styrene-b-ethylene-co-butylene-b-styrene) grafted with maleic anhydride. // <i>Polymer-Plastics Technology and Engineering</i> . <b>54</b> (2015) , 6; 647-660	1,481 (2012.)	Chemical Engineering
			Materials Science
41.	Raić-Malić, Silvana; Mešičić, Andrijana. Recent trends in 1, 2, 3-triazolo-nucleosides as promising anti-infective and anticancer agents. // <i>Current medicinal chemistry</i> . <b>22</b> (2015) ; 1462-1499	3,853 (2014.)	Biochemistry, Genetics and Molecular Biology
			Medicine
			Pharmacology, Toxicology and Pharmaceutics
42.	Rastija, Vesna; Agić, Dejan; Tomić, Sanja; Nikolić, Sonja; Hranjec, Marijana; Karminski-Zamola, Grace; Abramić, Marija. Synthesis, QSAR, and molecular dynamics simulation of amidino-substituted nenzimidazoles as dipeptidyl peptidase III inhibitors. // <i>Acta Chimica Slovenica</i> . <b>62</b> (2015) , 4; 867-878	0,686 (2014.)	Chemistry
			Medicine
43.	Rogina, Anamarija; Rico, Patricia; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. Effect of in situ formed hydroxyapatite on microstructure of freeze-gelled chitosan-based biocomposite scaffolds. // <i>European polymer journal</i> . <b>68</b> (2015) ; 278-287	3,005 (2014.)	Chemistry
			Materials Science
			Physics and Astronomy
44.	Salihović, Mirsada; Osmanović, Amar; Špirtović-Halilović, Selma; Roca, Sunčica; Mešičić, Andrijana; Vujisić, Ljubodrag; Trifunović, Snežana; Završnik, Davorka; Sofić, Emin Synthesis, structural, conformational and DFT studies of N-3 and O-4 alkylated regioisomers of 5-(hydroxypropyl)pyrimidine. // <i>Journal of molecular structure</i> . <b>1091</b> (2015) ; 170-176	1,602 (2014.)	Chemistry
45.	Sović, Irena; Viskić, Marko; Bertoša, Branimir; Ester, Katja; Kralj, Marijeta; Hranjec, Marijana; Karminski-Zamola, Grace. Exploring antiproliferative activity of heteroaromatic amides and their fused derivatives using 3D-QSAR, synthesis and biological tests. // <i>Monatshefte für Chemie</i> . <b>146</b> (2015) , 9; 1503-1517	1,222 (2014.)	Chemistry
46.	Steinberg, Matthew; Kassal, Petar; Kereković, Irena; Steinberg, Ivana. A wireless potentiostat for mobile chemical sensing and biosensing. // <i>Talanta</i> . <b>143</b> (2015) ; 178-183	3,545 (2014.)	Chemistry
47.	Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Martinović, Tamara; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Snoeck, Robert; Andrei, Graciela; Schols, Dominique; Wittine, Karlo; Mintas, Mladen.	3,447 (2014.)	Chemistry

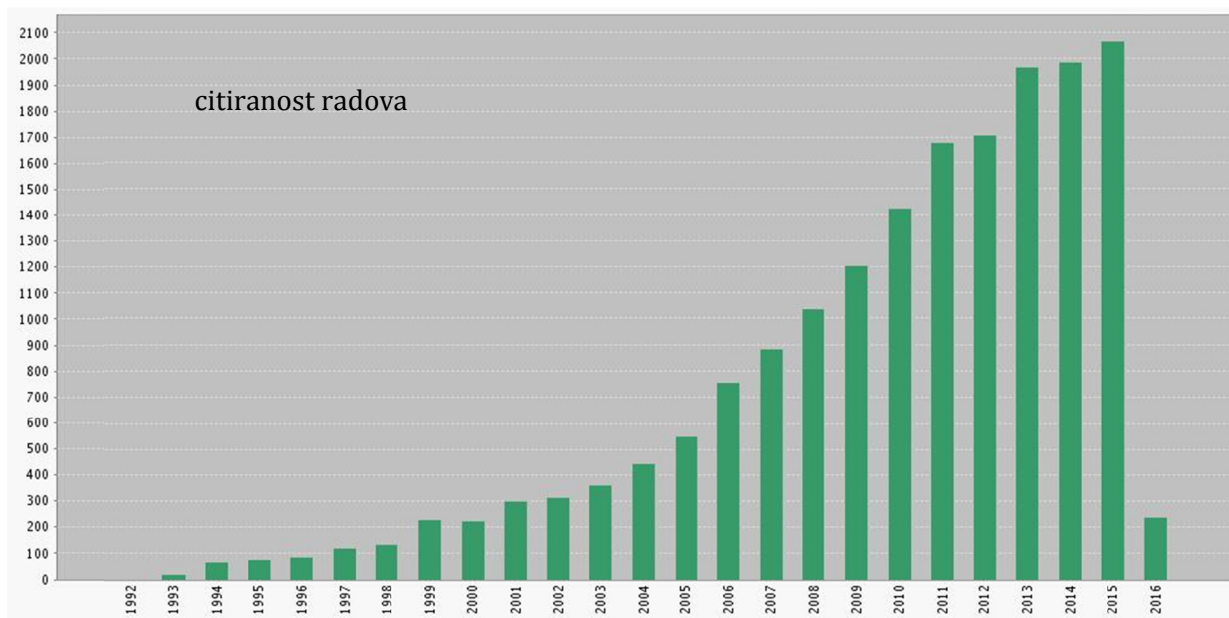
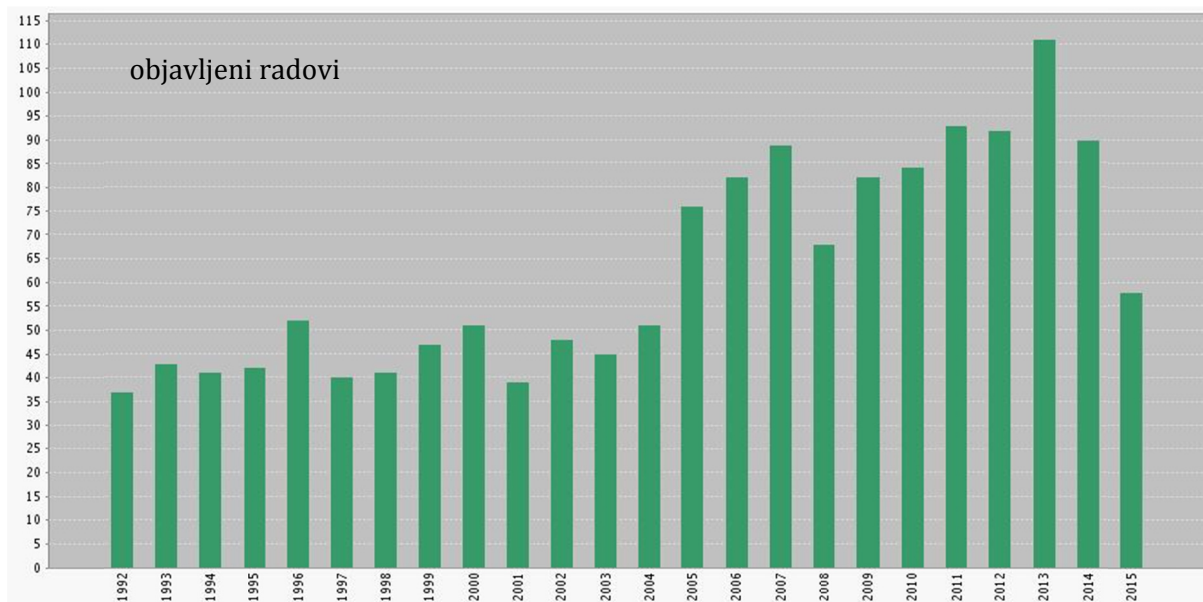
	Novel halogenated 3-deazapurine, 7-deazapurine and alkylated 9-deazapurine derivatives of L-ascorbic or imino-L-ascorbic acid: Synthesis, antitumour and antiviral activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>102</b> (2015) ; 288-302		Medicine
			Pharmacology, Toxicology and Pharmaceutics
48.	Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa; Soler, Anna; Clapes, Pere. A new concept for production of (3S, 4R)-6-[[benzyloxycarbonyl]amino]-5, 6-dideoxyhex-2-ulose, a precursor of D-fagomine. // <i>RSC Advances</i> . <b>5</b> (2015) ; 69819-69828	3,840 (2014.)	Chemical Engineering
			Chemistry
49.	Šabić, Monika; Čižmek, Lara; Vuković Domanovac, Marija; Meštrović, Ernest. Biodegradation of erythromycin with environmental microorganism <i>Pseudomonas aeruginosa</i> 3011. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 367-373	0,802 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Chemistry
50.	Šabić, Monika; Vuković Domanovac, Marija; Findrik Blažević, Zvezdana; Meštrović, Ernest. Kinetika bioremedijacije farmaceutske industrijske otpadne vode. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 5-6; 229-236	-	Chemical Engineering
			Chemistry
51.	Šagud, Ivana; Antol, Ivana; Marinić, Željko; Šindler-Kulyk, Marija. Photoinduced intramolecular formal [4 + 2] cycloaddition of aryl-substituted o-vinylstyryl-2-oxazoles to form benzo[f]quinoline derivatives: experimental results and theoretical interpretation. // <i>Journal of Organic Chemistry</i> . <b>80</b> (2015) ; 9535-9541	4,721 (2014.)	Chemistry
52.	Šamec, Dunja; Gruz, Jiri; Durgo, Ksenija; Kremer, Dario; Kosalec, Ivan; Valek Žulj, Lidija; Martinez, Sanja; Salopek-Sondi, Branka; Piljac-Žegarac, Jasenka. Molecular and cellular approach in the study of antioxidant/prooxidant properties of <i>Micromeria croatica</i> (Pers.) Schott. // <i>Natural product research</i> . <b>29</b> (2015) , 18; 1770-1774	0,919 (2014.)	Agricultural and Biological Sciences
			Biochemistry, Genetics and Molecular Biology
			Chemistry
			Medicine
53.	Šmidt, Marina; Kušić, Hrvoje Juretić, Daria; Novak Stankov, Mirjana; Ukić, Šime; Bolanča, Tomislav; Rogošić, Marko; Lončarić Božić, Ana. Modeling photooxidative degradation of aromatics in water ; optimization study using response surface and structural-relationship approaches. // <i>Industrial &amp; engineering chemistry research</i> . <b>54</b> (2015) , 20; 5427-5441	2,587 (2014.)	Chemical Engineering
			Chemistry
			Engineering
54.	Štrkalj, Anita; Glavaš, Zoran; Matijašić, Gordana. Removal of Ni (II) and Cr (VI) ions from aqueous solution using by-product from the production of aluminium. // <i>Metalurgija</i> . <b>54</b> (2015) , 1; 31-34	0,959 (2014.)	Engineering
			Materials Science
			Physics and Astronomy
55.	Švarc, Anera; Valinger, Davor; Vasić-Rački, Đurđa; Vrsalović Presečki, Ana. Stereoselective synthesis of phenylpropane 1, 2- diols from (S)-2-hydroxypropiophenone by NADH- dependent oxidoreductases. // <i>Biochemical engineering journal</i> . <b>103</b> (2015) , 15; 250-255	2,467 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemical Engineering
			Engineering

			Environmental Science
56.	Touabi, Noura; Martinez, Sanja; Bounoughaz, Moussa. Optimization of electrochemical copper recovery process: effect of the rotation speed in chloride medium of pH=3. // <i>International Journal of Electrochemical Science</i> . <b>10</b> (2015) ; 7227-7240	1,500 (2014.)	Chemistry
57.	Ukić, Šime; Novak, Mirjana; Krilić, Anamarija; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part III: Fuzzy logic QSRR approach. // <i>Chromatographia</i> . <b>78</b> (2015) ; 889-898	1,411 (2014.)	Biochemistry, Genetics and Molecular Biology
			Chemistry
58.	Ukrainczyk, Neven. Effect of polycarboxylate superplasticiser on properties of calcium aluminate cement mortar. // <i>Advances in cement research</i> . <b>27</b> (2015) , 7; 388-398	0,590 (2014.)	Engineering
			Materials Science
59.	Valek Žulj, Lidija; Serdar, Marijana; Martinez, Sanja. Effect of tartrate on the electrochemical behaviour and semiconductive properties of passive film on steel in saturated calcium hydroxide. // <i>Materials and corrosion</i> . <b>66</b> (2015) , 11; 1344-1353	1,373 (2014.)	Engineering
			Environmental Science
			Materials Science
60.	Veljović, Elma; Špirtović-Halilović, Selma; Muratović, Samija; Valek Žulj, Lidija; Roca, Sunčica; Trifunović, Snežana; Osmanović, Amar; Završnik, Davorka. 9-aryl substituted hydroxylated xanthen-3-ones: synthesis, structure and antioxidant potency evaluation. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 2; 121-127	0,728 (2014.)	Chemistry
61.	Vranješ Penava, Nina; Rek, Vesna; Slouf, Miroslav; Jelčić, Želimir. Influence of ethylene-propylene-diene terpolymer addition on processing parameters, phase structure and thermal behaviour of polypropylene/low-density polyethylene blends. // <i>Journal of elastomer and plastics</i> . <b>47</b> (2015) , 6; 502-514	0,773 (2014.)	Materials Science
62.	Vrsalović, Mislav; Vućur, Ksenija; Car, Boris; Krcmar, Tomislav; Vrsalović Presečki, Ana. C-reactive protein, renal function and cardiovascular outcome in patients with symptomatic peripheral artery disease and preserved left ventricular systolic function. // <i>Croatian medical journal</i> . <b>56</b> (2015) ; 351-356	1,305 (2014.)	Medicine
63.	Vrsalović, Mislav; Željковиć, Ivan; Vrsalović Presečki, Ana; Pintarić, Hrvoje; Krušlin Božo. C-reactive protein, not cardiac troponin T, improves risk prediction in hypertensives with type A aortic dissection. // <i>Blood pressure</i> . <b>24</b> (2015) ; 212-216	1,808 (2014.)	Medicine
64.	Vrsaljko, Domagoj; Macut, Dejan; Kovačević, Vera. Potential role of nanofillers as compatibilizers in immiscible PLA/LDPE blends. // <i>Journal of applied polymer science</i> . <b>132</b> (2015) , 6; 41414-1-41414-14	1,768 (2014.)	Chemistry
			Materials Science
65.	Zrnčić, Mirta; Babić, Sandra; Mutavdžić Pavlović, Dragana. Determination of thermodynamic pKa values of pharmaceuticals from five different groups using capillary electrophoresis. // <i>Journal of separation science</i> . <b>38</b> (2015) ; 1232-1239	2,737 (2014.)	Chemical Engineering
			Chemistry



			Medicine
--	--	--	----------

**Napomena:** Zelenom bojom označeni su radovi čiji časopisi su u navedenim godinama parcijalno indeksirani u bazi podataka Scopus, tj. dio radova navedenog godišta je indeksiran u bazi podataka Scopus, a dio nije.



**Slika 5.3.** Broj objavljenih radova i njihova citiranost za razdoblje 1992. – 2015. prema bazi *Web of Science*

**Tablica 5.1.** Mentori

Naziv doktorskog studija	Broj mentora kod kojih su obranjeni doktorati znanosti u posljednjih 5 godina	Broj objavljenih radova mentora u domaćim recenziranim znanstvenim časopisima u posljednjih 5 godina	Broj objavljenih radova mentora u inozemnim recenziranim znanstvenim časopisima u posljednjih 5 godina
Kemijsko inženjerstvo	80*	SCOPUS bez Web of Science: 46**	Web of Science: 693**
Inženjerska kemija			

\* Neki od mentora mentorirali su na oba studija, pa nema smisla razdvajati mentore po studijima

\*\* U struci je irelevantno prikazivati domaće znanstvene časopise, osim onih citiranih u bazi SCOPUS, koji nisu u WoS

**Tablica 5.1.1.** Popis radova mentora u bazi podataka WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 5.1.)

R. br.	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	IF	STUDIJ
1.	Alešković, Marija; Basarić, Nikola; Mlinarić-Majerski, Kata. Optimization of the Suzuki coupling reaction in the synthesis of 2-[(2-substituted)phenyl]pyrrole derivatives. // <i>Journal of heterocyclic chemistry</i> . <b>48</b> (2011), 6; 1329-1335	1,220 (2011.)	IK
2.	Balarin, Maja; Gamulin, Ozren; Ivanda, Mile; Kosović, Marin; Ristić, Davor; Ristić, Mira; Musić, Svetozar; Furić, Krešimir; Krilov, Dubravka. Optical properties of porous silicon on an insulator layer. // <i>Journal of molecular structure</i> . <b>993</b> (2011), 1/3; 208-213	1,634 (2011.)	IK
3.	Barešić, Jadranka; Horvatinčić, Nada; Roller-Lutz, Zvezdana. Spatial and seasonal variations in the stable C isotope composition of dissolved inorganic carbon and in physico-chemical water parameters in the Plitvice Lakes system. // <i>Isotopes in environmental and health studies</i> . <b>47</b> (2011), 3; 316-329	0,900 (2011.)	KI
4.	Barešić, Jadranka; Horvatinčić, Nada; Vreča, Polona; Sironić, Andreja. Distribution of authigenic and allogenic fractions in recent lake sediment: isotopic and chemical compositions. // <i>Acta carsologica</i> . <b>40</b> (2011), 2; 293-305	0,727 (2011.)	KI
5.	Basarić, Nikola; Cindro, Nikola; Bobinac, Damir; Mlinarić-Majerski, Kata; Uzelac, Lidija; Kralj, Marijeta; Wan, Peter. Sterically congested quinone methides in photodehydration reactions of 4-hydroxybiphenyl derivatives and investigation of their antiproliferative activity. // <i>Photochemical &amp; photobiological sciences</i> . <b>10</b> (2011), 12; 1910-1925	2,584 (2011.)	IK
6.	Basarić, Nikola; Cindro, Nikola; Hou, Yunyan; Žabčić, Ivana; Mlinarić-Majerski, Kata; Wan, Peter. Competing photodehydration and ESIPT in adamantyl derivatives of 2-phenylphenols. // <i>Canadian journal of chemistry</i> . <b>89</b> (2011), 2; 221-234	1,242 (2011.)	IK
7.	Beauchet, R.; Pinard, L.; Kpogbemabou, D.; Laduranty, J.; Lemee, L.; Lemberton, J. L.; Bataille, F.; Magnoux, P.; Ambles, A.; Barbier, J. Hydroliquefaction of green wastes to produce fuels. // <i>Bioresource technology</i> . <b>102</b> (2011); 6200-6207	4,980 (2011.)	KI
8.	Blažek, Vesna; Bregović, Nikola; Mlinarić-Majerski, Kata; Basarić, Nikola. Phosphate selective alkylenebisurea receptors: Structure-binding relationship. // <i>Tetrahedron</i> . <b>67</b> (2011), 21; 3846-3857	3,025 (2011.)	IK

9.	Blažević, Ivica; Radonić, Ani; Skočibušić, Mirjana; De Nicola, Gina R.; Montaut, Sabine; Iori, Renato; Rollin, Patrick; Mastelić, Josip; Zekić, Marina; and Maravić, Ana. Glucosinolate profiling and antimicrobial screening of <i>Aurinia leucadea</i> (Brassicaceae). // <i>Chemistry &amp; biodiversity</i> . <b>8</b> (2011), 12; 2310-2321	1,804 (2011.)	IK
10.	Bolanča, Tomislav; Ukić, Šime; Marinović Ruždjak, Andrea. Development of an ion chromatographic method for determination of inorganic anions in surface water by using computer assisted gradient optimization methodology. // <i>Acta chimica Slovenica</i> . <b>58</b> (2011), 1; 120-126	1,328 (2011.)	IK
11.	Bolanča, Tomislav; Ukić, Šime; Marinović Ruždjak, Andrea. Computer-assisted development of ad hoc methodology for monitoring of inorganic cations in surface water using gradient elution ion chromatography. // <i>Croatica chemica acta</i> . <b>84</b> (2011), 4; 487-492	0,763 (2011.)	IK
12.	Borić, Igor; Ljubković, Jelena; Sutlović, Davorka. Discovering the 60 years old secret: Identification of the World War II mass grave victims from the island of Daksa near Dubrovnik, Croatia. // <i>Croatian medical journal</i> . <b>52</b> (2011), 3; 327-335	1,796 (2011.)	IK
13.	Bukvić Krajačić, Mirjana; Dumić, Miljenko; Novak, Predrag; Cindrić, Mario; Koštrun, Sanja; Fajdetić, Andreja; Alihodžić, Sulejman; Brajša, Karmen; Kujundžić, Nikola. Discovery of Novel Ureas and Thioureas of 3-Decladinosyl-3-hydroxy 15-Membered Azalides Active Against Efflux-mediated Resistant <i>Streptococcus</i> . <i>Pneumoniae</i> . // <i>Bioorganic &amp; medicinal chemistry letters</i> . <b>21</b> (2011), 2; 853-856	2,554 (2011.)	IK
14.	Buljac, Maša; Bogner, Danijela; Cerjan-Stefanović, Štefica; Bolanča, Tomislav; Margeta, Karmen. Cr and Zn distribution in sediment from the semi-enclosed Kaštela Bay, the Adriatic Sea (Croatia). // <i>Fresenius environmental bulletin</i> . <b>20</b> (2011), 4; 853-860	0,660 (2011.)	IK
15.	Buljan, Iva; Kosanović, Cleo; Kralj, Damir. A novel synthesis of nano-sized mullite from aluminosilicate precursors. // <i>Journal of alloys and compounds</i> . <b>509</b> (2011), 32; 8256-8261	2,289 (2011.)	IK
16.	Butković, Kristina; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija. Photochemical and thermal intramolecular 1, 3-dipolar cycloaddition reactions of new o-stilbene-methylene-3-sydnone and their synthesis. // <i>Beilstein journal of organic chemistry</i> . <b>7</b> (2011); 1663-1670	2,517 (2011.)	IK
17.	Butković, Kristina; Marinić, Željko; Šindler-Kulyk, Marija. Synthesis of 3-(o-stilbenyl)sydnone and 3-(o-stilbenyl)-4-substituted-sydnone derivatives and their antitumor evaluation. // <i>ARKIVOC</i> . (2011), 10; 1-15	1,252 (2011.)	IK
18.	Carlotti, Benedetta; Spalletti, Anna; Šindler-Kulyk, Marija; Elisei, Fausto. Ultrafast photoinduced intramolecular charge transfer in push-pull distyryl furan and benzofuran: solvent and molecular structure effect. // <i>Physical Chemistry Chemical Physics</i> . <b>13</b> (2011), 10; 4519-4528	3,573 (2011.)	IK
19.	Cindro, Nikola; Horvat, Margareta; Mlinarić-Majerski, Kata; Griesbeck, Axel G.; Basarić, Nikola. Photoinduced homolytic C-H activation in N-(4-homoadamantyl)phthalimide. // <i>Beilstein journal of organic chemistry</i> . <b>7</b> (2011); 270-277	2,517 (2011.)	IK
20.	Ciorba, Serena; Carlotti, Benedetta; Škorić, Irena; Šindler-Kulyk, Marija; Spalletti, Anna. Spectral properties and photobehaviour of 2, 5-distyrylfuran derivatives. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>219</b> (2011), 1; 1-9	2,421 (2011.)	IK
21.	Cohegrue, H.; Gauthier, P.; Verstraete, J. J.; Surla, K.; Guillaume, D.; Galtier, P.; Barbier, J. Reduction of single event kinetic models by rigorous relumping: application to catalytic reforming. // <i>Oil and gas science and technology</i> . <b>66</b> (2011); 367-397	1,389 (2011.)	KI

22.	Cvirković, Ivan; Travizi, Ana; Despalatović, Marija; Grubelić, Ivana; Bogner, Danijela; Nikolić, Vedran; Žuljević, Ante; Antolić, Boris. Spatio-temporal variability of meiofauna community structure in abandoned salina of Velike soline and adjacent area (Mediterranean, Adriatic sea). // <i>Fresenius environmental bulletin</i> . <b>20</b> (2011), 3; 645-655	0,660 (2011.)	IK
23.	Ćurković, Lidija; Kumić, Ivan; Grilec, Krešimir. Solid particle erosion behaviour of high purity alumina ceramics. // <i>Ceramics international</i> . <b>37</b> (2011), 1; 29-35	1,751 (2011.)	IK
24.	Ćurković, Lidija; Trgo, Marina; Rožić, Mirela; Vukojević Medvidović, Nediljka. Kinetics and thermodynamics study of copper ions removal by natura clinoptilolite. // <i>Indian journal of chemical technology</i> . <b>18</b> (2011), 2; 137-144	0,606 (2011.)	IK
25.	Dolar, Davor; Košutić, Krešimir; Vučić, Barbara. RO/NF treatment of wastewater from fertilizer factory - removal of fluoride and phosphate. // <i>Desalination</i> . <b>265</b> (2011), 1/3; 237-241	2,590 (2011.)	IK
26.	Dolar, Davor; Vuković, Ana; Ašperger, Danijela; Košutić, Krešimir. Effect of water matrices on removal of veterinary pharmaceuticals by nanofiltration and reverse osmosis membranes. // <i>Journal of environmental sciences-China</i> . <b>23</b> (2011), 8; 1299-1307	1,660 (2011.)	IK
27.	Doležal, Dubravka; Bolanča, Tomislav; Cerjan Stefanovic, Štefica. Development of UV/VIS spectrometric methodology for corrosion inhibitor residuals monitoring in oilfield brine. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>42</b> (2011), 3; 229-233	0,543 (2011.)	IK
28.	Dragojević, Snježana; Šunjić, Vitomir; Bencetić-Mihaljević, Vlatka; Ralić, Jovica; Mesić, Milan; Jivkov Elenkov, Ivaylo; Filipović Sučić, Anita; Čempuh klonkay, Andreja; Lerman, Lidija; Ilijaš, Marina; Gabelica-Marković, Vesna; Malnar, Ivica. Determination of aqueous stability and degradation products of series of coumarin dimers. // <i>Journal of pharmaceutical and biomedical analysis</i> . <b>54</b> (2011), 1; 37-47	2,967 (2011.)	IK
29.	Dražević, Emil; Košutić, Krešimir; Fingler, Sanja; Drevenkar, Vlasta. Removal of pesticides from the water and their adsorption on the reverse osmosis membranes of defined porous structure. // <i>Desalination and water treatment</i> . <b>30</b> (2011); 161-170	0,614 (2011.)	IK
30.	Đopar, Marina; Kušić, Hrvoje; Koprivanac, Natalija. Treatment of simulated industrial wastewater by photo-Fenton process: Part I. The optimization of process parameters using design of experiments (DOE). // <i>Chemical engineering journal</i> . <b>173</b> (2011), 2; 267-279	3,461 (2011.)	KI
31.	Gajović, Andreja; Silva, Adrián M.T.; Segundo, Ricardo A.; Šturm, Sašo; Jančar, Boštjan; Čeh, Miran. Tailoring the phase composition and morphology of Bi-doped goethite-hematite nanostructures and their catalytic activity in the degradation of an actual pesticide using a photo-Fenton-like process. // <i>Applied catalysis. B, Environmental</i> . <b>103</b> (2011), 3/4; 351-361	5,625 (2011.)	IK
32.	Gamboa-Martinez, T. C.; Gomez Ribelles, J. L.; Gallego Ferrer, Gloria. Fibrin coating on poly (L-lactide) scaffolds for tissue engineering. // <i>Journal of bioactive and compatible polymers</i> . <b>26</b> (2011); 464-477	2,953 (2011.)	IK
33.	Ganguly, Bishwajit; Singh, Ajeet; Matković, Marija; Basarić, Nikola; Kesharwania, Manoj K.; Mlinarić-Majerski, Kata. Hydrolysis and retro-aldol cleavage of ethyl threo-2-(1-adamantyl)-3-hydroxybutyrate: competing reactions. // <i>Journal of physical organic chemistry</i> . <b>24</b> (2011), 7; 578-587	1,963 (2011.)	IK
34.	Gazivoda Kraljević, Tatjana; Petrović, Martina; Krištafor, Svjetlana; Makuc, Damjan; Plavec, Janez; Ross L, Tobias; Ametamey, Simon M.; Raić-Malić, Silvana. Methoxymethyl (MOM) group nitrogen protection of pyrimidines bearing C-6 acyclic side-chains. // <i>Molecules</i> . <b>16</b> (2011), 6; 5113-5129	2,386 (2011.)	IK

35.	Giljanović, Josipa; Brkljača, Mia; Prkić, Ante. Flow injection spectrophotometric determination of N-Acetyl-L-cysteine as a complex with palladium(II). // <i>Molecules</i> . <b>16</b> (2011) , 9; 7224-7236	2,386 (2011.)	IK
36.	Glavnik, Vesna; Simonovska, Breda; Vovk, Irena; Mutavdžić Pavlović, Dragana; Ašperger, Danijela; Babić, Sandra. Quantification of (-)-Epicatechin and Procyanidin B2 in chocolates. // <i>JPC. Journal of planar chromatography, modern TLC</i> . <b>24</b> (2011) ; 482-486	0,767 (2011.)	IK
37.	Glogar, Martinia Ira; Parac-Osterman, Đurđica; Grundler, Darko; Rolich, Tomislav. Research of influences of surface structure of coloured textiles: applying fuzzy logic. // <i>Coloration technology</i> . <b>127</b> (2011) , 6; 396-403	0,959 (2011.)	KI
38.	Grahek, Željko; Gojmerac Ivšić, Astrid; Krljan, Nikolina; Nodilo, Marijana. Separation of Sr in combination of ion exchange and Sr resin with alcohol-nitric acid solution and rapid determination of <sup>90</sup> Sr in wine and soil samples. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>289</b> (2011) , 2; 437-449	1,520 (2011.)	IK
39.	Grčić, Ivana; Maljković, Marija; Papić, Sanja; Koprivanac, Natalija. Low frequency US and UV-A assisted Fenton oxidation of simulated dyehouse wastewater. // <i>Journal of hazardous materials</i> . <b>197</b> (2011) ; 272-284	4,173 (2011.)	KI, IK
40.	Grilec, Krešimir; Ćurković, Lidija; Kumić, Ivan; Baršić, Gorana. Erosion mechanisms of aluminium nitride ceramics at different impact angles. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>42</b> (2011) , 8; 712-717	0,543 (2011.)	IK
41.	Horvat, Margareta; Mlinarić-Majerski, Kata; Griesbeck, Axel G.; Basarić, Nikola. Photoinduced decarboxylation of 3-(N-phthalimido)adamantane-1-carboxylic acid and radical addition to electron deficient alkenes. // <i>Photochemical &amp; photobiological sciences</i> . <b>10</b> (2011) , 4; 610-617	2,584 (2011.)	IK
42.	Hranjec, Marijana; Lučić, Borka; Ratkaj, Ivana; Kraljević Pavelić, Sandra; Piantanida, Ivo; Pavelić, Krešimir; Karminski-Zamola, Grace. Novel Imidazo[4, 5-b]Pyridine and Triaza-Benzo[c]Fluorene derivatives: synthesis, antiproliferative activity and DNA binding studies. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 7; 2748-2758	3,346 (2011.)	IK
43.	Hranjec, Marijana; Starčević, Kristina; Kraljević Pavelić, Sandra; Lučin, Pero; Pavelić, Krešimir; Karminski-Zamola, Grace. Synthesis, spectroscopic characterization and antiproliferative evaluation in vitro of novel Schiff bases related to benzimidazoles. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 6; 2274-2279	3,346 (2011.)	IK
44.	Hrkovac, Martina; Prlić Kardum, Jasna; Schuster, Anke; Ulrich, Joachim. Influence of additives on Glycine crystal characteristics. // <i>Chemical engineering &amp; technology</i> . <b>34</b> (2011) , 4; 611-618	1,598 (2011.)	KI
45.	Jarak, Ivana; Marjanović, Marko; Piantanida, Ivo; Kralj, Marijeta; Karminski-Zamola, Grace. Novel Pentamidine derivatives: synthesis, antitumor properties and polynucleotide-binding activities. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 7; 2807-2815	3,346 (2011.)	IK
46.	Jednačak, Tomislav; Novak, Predrag; Užarević, Krunoslav; Bratoš, Igor; Marković, Jelena; Cindrić, Marina. Bioactive phenylenediamine derivatives of dehydroacetic acid : synthesis, structural characterization and deuterium isotope effects. // <i>Croatica chemica acta</i> . <b>84</b> (2011) , 2; 203-209	0,763 (2011.)	IK
47.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata. Study of flammability and thermal properties of high-impact polystyrene nanocomposites. // <i>Polymer degradation and stability</i> . <b>96</b> (2011) , 12; 2104-2111	2,769 (2011.)	KI, IK

48.	Keav, Sylvain; Barbier, Jacques, Jr.; Duprez, Daniel. Deactivation and regeneration of wet air oxidation catalysts. // <i>Catalysis science &amp; technology</i> . <b>1</b> (2011) ; 342-353	3,753 (2012.)	KI
49.	Kikaš, Ilijana; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic and thermal oxygenation of a furan derivative. // <i>Tetrahedron letters</i> . <b>52</b> (2011) , 47; 6255-6259	2,683 (2011.)	IK
50.	Kosanović, Cleo; AntoniĆ Jelić, Tatjana; Bronić, Josip; Kralj, Damir; Subotić, Boris. Chemically controlled particulate properties of zeolites : towards the face-less particles of zeolite A. 1. Influence of the batch molar ratio [SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> ] <sub>b</sub> on the size and shape of zeolite A crystals. // <i>Microporous and mesoporous materials</i> . <b>137</b> (2011) , 1/3; 72-82	3,285 (2011.)	IK
51.	Kosanović, Cleo; Havenscak, Karoly; Subotić, Boris; Svetličić, Vesna; Mišić Radić, Tea; Cziraki, Agnes; Huhn, Gabriella; Buljan, Iva; Smrečki, Vilko. Study of the mechanism of formation of nano-crystalline zeolite X in heterogeneous system. // <i>Microporous and mesoporous materials</i> . <b>142</b> (2011) , 1; 139-146	3,285 (2011.)	IK
52.	Kosanović, Cleo; Falini, Giuseppe; Kralj, Damir. Mineralization of calcium carbonates in gelling media. // <i>Crystal growth &amp; design</i> . <b>11</b> (2011) , 1; 269-277	4,720 (2011.)	IK
53.	Krebel, Marina; Kušić, Hrvoje; Koprivanac, Natalija; Meixner, Jarolim; Lončarić Božić, Ana. Treatment of chlorophenols by UV-based processes: correlation of oxidation by-products, wastewater parameters and toxicity. // <i>Journal of environmental engineering ASCE (New York, N.Y.)</i> . <b>137</b> (2011) , 7; 639-649	1,312 (2011.)	KI, IK
54.	Krištafor, Svjetlana; Gazivoda Kraljević, Tatjana; Ametamey, Simon M.; Cetina, Mario; Ratkaj, Ivana; Tandara Haček, Romana; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Syntheses and antitumor evaluation of C(6) Isobutyl and Isobutenyl substituted Pyrimidines and Dihydropyrrolo[1, 2-c]pyrimidin-1, 3-diones. // <i>Chemistry &amp; biodiversity</i> . <b>8</b> (2011) , 8; 1455-1469	1,804 (2011.)	IK
55.	Krištafor, Svjetlana; Meščić, Andrijana; Cetina, Mario; Korunda, Silvija; Makuc, Damjan; Plavec, Janez; Raić-Malić, Silvana. Synthesis, structural and conformational studies of Z- and E-isomers of fluorinated C-6 isobutenyl N-methyl thymine derivatives. // <i>Journal of fluorine chemistry</i> . <b>132</b> (2011) , 9; 573-578.	2,033 (2011.)	IK
56.	Krištafor, Svjetlana; Novaković, Ivana; Gazivoda Kraljević, Tatjana; Kraljević Pavelić, Sandra; Lučin, Pero; Westermaier, Yvonne; Pernot, Lucile; Scapozza, Leonardo; Ametamey, Simon; Raić-Malić, Silvana. A new N-methyl thymine derivative comprising a dihydroxyisobutenyl unit as ligand for thymidine kinase of herpes simplex virus type 1 (HSV-1 TK). // <i>Bioorganic &amp; medicinal chemistry letters</i> . <b>21</b> (2011) , 20; 6161-6165	2,554 (2011.)	IK
57.	Krnić, Mladen; Modun, Darko; Budimir, Danijela; Gunjača, Grgo; Jajić, Ivan; Vuković, Jonatan; Salamunić, Ilza; Sutlović, Davora; Kozina, Bernard; Boban, Mladen. Comparison of acute effects of red wine, beer and vodka against hyperoxia-induced oxidative stress and increase in arterial stiffness in healthy humans. // <i>Atherosclerosis (Amsterdam)</i> . <b>218</b> (2011) , 2; 530-535	3,794 (2011.)	IK
58.	Kurajica, Stanislav; Tkalčec, Emilija; Gržeta, Biserka; Iveković, Damir; Mandić, Vilko; Popović, Jasminka; Kranželić, Dajana. Evolution of structural and optical properties in the course of thermal evolution of sol-gel derived cobalt-doped gahnite. // <i>Journal of alloys and compounds</i> . <b>509</b> (2011) , 7; 3223-3228	2,289 (2011.)	IK
59.	Kurajica, Stanislav; Tkalčec, Emilija; Mandić, Vilko; Schmauch, Joerg. Mullite crystallization kinetics of lanthanum doped sol-gel derived precursors. // <i>Journal of the European ceramic society</i> . <b>31</b> (2011) ; 377-383	2,353 (2011.)	IK

60.	Kurajica, Stanislav; Tkalčec, Emilija; Matijašić, Gordana; Ćurković, Lidija; Schauerl, Zdravko; Šipušić, Juraj; Mandić, Vilko. Influence of agglomeration and contamination in the course of amorphous powder grinding on structure and microstructure of sintered Mullite. // <i>Croatica chemica acta</i> . <b>84</b> (2011), 1; 63-71	0,763 (2011.)	IK
61.	Kurajica, Stanislav; Mandić, Vilko; Šipušić, Juraj. Thermal evolution of Calcium aluminate gel. // <i>Journal of ceramic science and technology</i> . <b>2</b> (2011), 1; 15-22	0,538 (2014.)	KI, IK
62.	Kušić, Hrvoje; Juretić, Daria; Koprivanac, Natalija; Marin, Vedrana; Lončarić Božić, Ana. Photooxidation processes for an azo dye in aqueous media : modeling of degradation kinetic and ecological parameters evaluation. // <i>Journal of hazardous materials</i> . <b>185</b> (2011), 2/3; 1558-1568	4,173 (2011.)	KI, IK
63.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Treatment of chlorophenols in water matrix by UV/ferrioxalate system: Part I. Key process parameters evaluation by response surface methodology. // <i>Desalination</i> . <b>279</b> (2011), 1/3; 258-268	2,590 (2011.)	KI, IK
64.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Treatment of chlorophenols in water matrix by UV/ferri-oxalate system: Part II. Degradation mechanisms and ecological parameters evaluation. // <i>Desalination</i> . <b>280</b> (2011), 1/3; 208-216	2,590 (2011.)	KI, IK
65.	Kušić, Hrvoje; Leszczynska, Danuta; Koprivanac, Natalija; Peternel, Igor. The role of quantum dots nanoparticles in the chemical treatment of colored wastewater : catalysts or additional pollutants. // <i>Journal of environmental sciences-China</i> . <b>23</b> (2011), 9; 1479-1485	1,660 (2011.)	KI
66.	Kušić, Hrvoje; Peternel, Igor; Koprivanac, Natalija; Lončarić Božić, Ana. Iron activated persulfate oxidation of an azo dye in model wastewater : the influence of iron activator type and processes optimization. // <i>Journal of environmental engineering ASCE (New York, N.Y.)</i> . <b>137</b> (2011), 6; 454-463	1,312 (2011.)	KI, IK
67.	Kušić, Hrvoje; Peternel, Igor; Ukić, Šime; Koprivanac, Natalija; Bolanča, Tomislav; Papić, Sanja; Lončarić Božić, Ana. Modeling of iron activated persulfate oxidation treating reactive azo dye in water matrix. // <i>Chemical engineering journal</i> . <b>172</b> (2011), 1; 109-121	3,461 (2011.)	KI, IK
68.	Maduna Valkaj, Karolina; Katović, Andrea; Zrnčević, Stanka. Catalytic properties of Cu/13X zeolite based catalyst in catalytic wet peroxide oxidation of Phenol. // <i>Industrial &amp; engineering chemistry research</i> . <b>50</b> (2011), 8; 4390-4397	2,237 (2011.)	KI
69.	Maduna Valkaj, Karolina; Wittine, Ozren; Margeta, Karmen; Granato, Teresa; Katović, Andrea; Zrnčević, Stanka. Phenol oxidation with hydrogen peroxide using Cu/ZSM5 and Cu/Y5 catalysts. // <i>Polish journal of chemical technology</i> . <b>136</b> (2011), 3; 28-36	0,337 (2011.)	KI
70.	Madunić-Čačić, Dubravka; Sak-Bosnar, Milan. Investigation of homologous tallow fatty alcohols and oleyl alcohol ethoxylates using a potentiometric surfactant sensor. // <i>International journal of electrochemical science</i> . <b>6</b> (2011), 5; 1630-1641	3,729 (2011.)	IK
71.	Madunić-Čačić, Dubravka; Sak-Bosnar, Milan; Matešić-Puač, Ružica. A new anionic surfactant-sensitive potentiometric sensor with a highly lipophilic electroactive material. // <i>International journal of electrochemical science</i> . <b>6</b> (2011), 1; 240-253	3,729 (2011.)	IK
72.	Majić, Marijana; Ćurković, Lidija; Ćorić, Danko. Load dependence of the apparent Knoop hardness of SiC ceramics in a wide range of loads. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>42</b> (2011), 3; 234-238	0,543 (2011.)	IK

73.	Martić, Miljen; Pernot, Lucile; Westermaier, Yvonne; Perozzo, Remo; Gazivoda Kraljević, Tatjana; Krištafor, Svjetlana; Raić-Malić, Silvana; Scapozza, Leonardo; Ametamey, Simon. Synthesis, crystal structure and in vitro biological evaluation of C-6 Pyrimidine derivatives: New lead structures for monitoring gene expression in vivo. // <i>Nucleosides, nucleotides and nucleic acids</i> . <b>30</b> (2011) ; 293-315	0,899 (2011.)	IK
74.	Marušić, Katarina; Otmačić Ćurković, Helena; Takenouti, Hisasi. Inhibiting effect of 4-methyl-1-p-tolylimidazole to the corrosion of bronze patinated in sulphate medium. // <i>Electrochimica acta</i> . <b>56</b> (2011) , 22; 7491-7502	3,832 (2011.)	IK
75.	Maupin, I.; Mijoin, J.; Barbier, J., Jr.; Bion, N.; Belin, T.; Magnoux, P. Improved oxygen storage capacity on CeO <sub>2</sub> /zeolite hybrid catalysts. Application to VOCs catalytic combustion. // <i>Catalysis today</i> . <b>176</b> (2011) ; 103-109	3,407 (2011.)	KI
76.	Medvidović-Kosanović, Martina; Samardžić, Mirela; Malatesti, Nela; Sak-Bosnar, Milan. Electroanalytical characterization of a copper(II)-rutin complex. // <i>International journal of electrochemical science</i> . <b>6</b> (2011) , 4; 1075-1084	3,729 (2011.)	IK
77.	Metikoš-Huković, Mirjana; Babić, Ranko; Grubač, Zoran; Petrović, Željka; Lajči, Nushe. High corrosion resistance of austenitic stainless steel alloyed with nitrogen in an acid solution. // <i>Corrosion science</i> . <b>53</b> (2011) , 6; 2176-2183	3,734 (2011.)	IK
78.	Metikoš-Huković, Mirjana; Babić, Ranko; Škugor, Ivana; Grubač, Zoran. Copper-nickel alloys modified with thin surface films: corrosion behavior in the presence of chloride ions. // <i>Corrosion science</i> . <b>53</b> (2011) , 1; 347-352	3,734 (2011.)	IK
79.	Metikoš-Huković, Mirjana; Babić, Ranko; Škugor Rončević, Ivana; Grubač, Zoran. Corrosion resistance of copper-nickel alloy under fluid jet impingement. // <i>Desalination</i> . <b>276</b> (2011) , 1/3; 228-232	2,590 (2011.)	IK
80.	Mikac, Iva; Fiket, Željka, Terzić, Senka; Barešić, Jadranka; Mikac, Nevenka; Ahel, Marijan. Chemical indicators of anthropogenic impacts in sediments of the pristine karst lakes. // <i>Chemosphere</i> . <b>84</b> (2011) , 8; 1140-1149	3,206 (2011.)	KI
81.	Molčanov, Krešimir; Stolić, Ivana; Kojić-Prodić, Biserka; Bajić, Miroslav. Bis[2-(4-aminophenyl)-4, 5-dihydro-1Himidazol- 3-ium] dichloride monohydrate. // <i>Acta crystallographica. Section E, Structure reports online</i> . <b>E67</b> (2011) ; o3450-o3451	0,347 (2011.)	IK
82.	Molčanov, Krešimir; Stolić, Ivana; Kovačević, Goran; Kojić-Prodić, Biserka; Bajić, Miroslav. Conformational disorder of dioxane ring in a crystal of 2, 5-di(isopropylamide)-3, 4-ethylenedioxythiophene. // <i>Journal of molecular structure</i> . <b>987</b> (2011) , 1/3; 174-179	1,634 (2011.)	IK
83.	Mudnić, Ivana; Budimir, Danijela; Jajić, Ivan; Boban, Nataša; Sutlović, Davorka; Jerončić, Ana; Boban, Mladen. Thermally treated wine retains vasodilatory activity in rat and guinea pig aorta. // <i>Journal of cardiovascular pharmacology</i> . <b>57</b> (2011) , 6; 707-711	2,287 (2011.)	IK
84.	Mužic, Marko; Sertić-Bionda, Katica; Adžamić, Tamara. Desulfurization of diesel fuel in a fixed bed adsorption column : experimental study and simulation. // <i>Petroleum science and technology</i> . <b>29</b> (2011) , 22; 2361-2371	0,335 (2011.)	KI
85.	Mužic, Marko; Sertić-Bionda, Katica; Adžamić, Tamara. The application of theoretical solutions to the differential mass balance equation for modeling of adsorptive desulfurization in a packed bed adsorber. // <i>Chemical engineering and processing</i> . <b>50</b> (2011) , 4; 409-416	1,924 (2011.)	KI



86.	Ninčević Grassino, Antonela; Milardović, Stjepan; Grabarić, Zorana; Grabarić, Božidar S. Amperometric assessment of glucose electrode behaviour in mixed solvents and determination of glucose in dairy products. // <i>Food chemistry</i> . <b>125</b> (2011), 4;1335-1339	3,655 (2011.)	IK
87.	Novak, Predrag; Kišić, Andrea; Hrenar, Tomica; Jednačak, Tomislav; Miljanić, Snežana; Verbanec, Gordana. In-line reaction monitoring of entacapone synthesis by Raman spectroscopy and multivariate analysis. // <i>Journal of pharmaceutical and biomedical analysis</i> . <b>54</b> (2011), 4; 660-666	2,967 (2011.)	IK
88.	Obelić, Bogomil; Krajcar Bronić, Ines; Horvatinčić, Nada; Barešić, Jadranka; Rajtarić, Anita. Rudjer Bošković Institute radiocarbon measurements XVI. // <i>Radiocarbon</i> . <b>53</b> (2011), 2; 395-417	2,842 (2011.)	KI
89.	Parlov Vuković, Jelena; Telen, Sanda; Srića, Vlasta; Novak, Predrag. The use of <sup>13</sup> C NMR spectroscopy and comprehensive two-dimensional gas chromatography, GC×GC, for identification of compounds involved in diesel fuel oxidative behavior. // <i>Croatica chemica acta</i> . <b>84</b> (2011), 4; 537-541	0,763 (2011.)	IK
90.	Pedišić, Ljiljana; Ćurković, Lidija; Matijašić, Gordana; Sladojević, Milan. Characterization of the cooling liquid after the machining of Si and SiO <sub>2</sub> . // <i>Transactions of FAMENA</i> . <b>35</b> (2011), 1; 75-82	0,103 (2011.)	IK
91.	Perin, Nataša; Hranjec, Marijana; Pavlović, Gordana; Karminski-Zamola, Grace. Novel aminated benzimidazo[1, 2-a]quinolines as potential fluorescent probes for DNA detection: microwave-assisted synthesis, spectroscopic characterization and crystal structure determination. // <i>Dyes and pigments</i> . <b>91</b> (2011), 1; 79-88	3,126 (2011.)	IK
92.	Perin, Nataša; Uzelac, Lidija; Piantanida, Ivo; Karminski-Zamola, Grace; Kralj, Marijeta; Hranjec, Marijana. Novel biologically active nitro and amino substituted benzimidazo[1, 2-a]quinolines. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>19</b> (2011), 21; 6329-6339	2,921 (2011.)	IK
93.	Periš, Neno; Bralić, Marija; Ćurlin, Mirjana; Brinić, Slobodan; Buzuk, Marijo; Olujić, Goran. Descriptive and multivariable analysis of heavy metals and acidic components in total deposited matter of air in the Split, Croatia. // <i>Fresenius environmental bulletin</i> . <b>20</b> (2011); 2041-2049	0,660 (2011.)	IK
94.	Petri, Nadan M.; Stipančević, Hrvoje; Sutlović, Davorka; Definis-Gojanović, Marija. Death of a scuba diver caused by vomiting and panic. // <i>American journal of forensic medicine and pathology</i> . <b>32</b> (2011), 2; 186-189	0,883 (2011.)	IK
95.	Petrović, Željka; Katić, Jozefina; Metikoš-Huković, Mirjana; Dadafarin, Hesam; Omanović, Saša. Modification of a Nitinol surface by phosphonate self-assembled monolayers. // <i>Journal of the electrochemical society</i> . <b>158</b> (2011), 10; F159-F165	2,590 (2011.)	IK
96.	Petrović, Željka; Lajci, Nushe; Metikoš-Huković, Mirjana; Babić, Ranko. Barrier and semiconducting properties of thin anodic films on Cr in an acid solution. // <i>Journal of solid state electrochemistry</i> . <b>15</b> (2011), 6; 1201-1207	2,131 (2011.)	IK
97.	Politeo, Olivera; Botica, Irena; Bilušić, Tea; Jukić, Mila; Carev, Ivana; Burčul, Franko; Miloš, Mladen. Chemical composition and evaluation of acetylcholinesterase inhibition and antioxidant activity of essential oil from Dalmatian endemic species <i>Pinus nigra</i> Arnold ssp. <i>dalmatica</i> (Vis.) Franco. // <i>Journal of Medicinal Plants Research</i> . <b>5</b> (2011), 30; 6590-6596	0,879 (2010.)	IK
98.	Popović, Jasminka; Gržeta, Biserka; Rakvin, Boris; Tkalčec, Emilija; Vrankić, Martina; Kurajica, Stanislav. Partial inverse spinel structure of manganese-doped gahnite: XRD and EPR spectroscopy studies. // <i>Journal of alloys and compounds</i> . <b>509</b> (2011), 34; 8487-8492	2,289 (2011.)	IK

99.	Prkić, Ante; Giljanović, Josipa; Bralić, Marija. Direct potentiometric determination of N-acetyl-L-cysteine (NAC) in real samples by using "home made" Iodide ISE. // <i>International journal of electrochemical science</i> . <b>6</b> (2011), 11; 5388-5395	3,729 (2011.)	IK
100.	Racane, Livio; Čičak, Helena; Mihalić, Zlatko; Karminski-Zamola, Grace; Tralić-Kulenović, Vesna. New pentacyclic ring system: intramolecular cyclization of o, o'-disubstituted bibenzothiazoles. // <i>Tetrahedron</i> . <b>67</b> (2011), 15; 2760-2767	3,025 (2011.)	IK
101.	Radonić, Ani; Blažević, Ivica; Mastelić, Josip; Zekić, Marina; Skočibušić, Mirjana; Maravić, Ana. Phytochemical analysis and antimicrobial activity of <i>Cardaria draba</i> L. Desv. volatiles. // <i>Chemistry &amp; biodiversity</i> . <b>8</b> (2011), 6; 1170-1181	1,804 (2011.)	IK
102.	Rezić, Iva; Rolich, Tomislav. Quantitative evaluation of chromatograms from scanned thin-layer chromatography plates. // <i>Tekstil : časopis za tekstilnu tehnologiju i konfekciju</i> . <b>60</b> (2011), 2-3; 74-79	0,086 (2011.)	KI
103.	Ristić, Davor; Holý, Vaclav; Ivanda, Mile; Marciuš, Marijan; Buljan, Maja; Gamulin, Ozren; Furić, Kresimir; Ristić, Mira; Musić, Svetozar; Mazzola, Maurizio; Chiasera, Alessandro; Ferrari, Maurizio; Righini, Giancarlo Cesare. Surface characterization of thin silicon-rich oxide films. // <i>Journal of molecular structure</i> . <b>993</b> (2011), 1/3; 214-218	1,634 (2011.)	IK
104.	Ristić, Mira; Czakó-Nagy, Ilona; Musić, Svetozar; Vertes, Attila. Spectroscopic characterization of chrysotile asbestos from different regions. // <i>Journal of molecular structure</i> . <b>993</b> (2011), 1/3; 120-126	1,634 (2011.)	IK
105.	Rogina, Anamarija; Šiško, Ivana; Mohler, Ivan; Ujević, Željka; Bolf, Nenad. Soft sensor for continuous product quality estimation (in crude distillation unit). // <i>Chemical engineering research &amp; design</i> . <b>89</b> (2011), 10; 2070-2077	1,968 (2011.)	KI
106.	Rolich, Tomislav; Rezić, Iva. Use of genetic algorithms and artificial neural networks to predict the resolution of aminoacids in thin layer chromatography. // <i>JPC. Journal of planar chromatography, modern TLC</i> . <b>24</b> (2011); 16-22	0,767 (2011.)	KI
107.	Sakač, Nikola; Sak-Bosnar, Milan; Horvat, Marija; Madunić-Čačić, Dubravka; Szechenyi, Aleksandar; Kovacs, Barna. A new potentiometric sensor for the determination of $\alpha$ -amylase activity. // <i>Talanta</i> . <b>83</b> (2011), 5; 1606-1612	3,794 (2011.)	IK
108.	Sak-Bosnar, Milan; Madunić-Čačić, Dubravka; Sakač, Nikola; Samardžić, Mirela; Kurtanjek, Želimir. Estimation and optimization of potentiometric sensor response parameters from surfactant titration data using Microsoft Excel Solver and Mathematica. // <i>Sensor letters</i> . <b>9</b> (2011), 2; 491-498	0,558 (2013.)	IK
109.	Sak-Bosnar, Milan; Samardžić, Mirela; Galović, Olivera. The influence of ethoxylated nonionic surfactants on the potentiometric determination of anionic surfactants. // <i>International journal of electrochemical science</i> . <b>6</b> (2011), 3; 561-572	3,729 (2011.)	IK
110.	Samardžić, Mirela; Sak-Bosnar, Milan; Madunić-Čačić, Dubravka. Simultaneous potentiometric determination of cationic and ethoxylated nonionic surfactants in liquid cleaners and disinfectants. // <i>Talanta</i> . <b>83</b> (2011), 3; 789-794	3,794 (2011.)	IK
111.	Sander, Aleksandra; Penović, Tomislav; Šipušić, Juraj. Crystallization of $\beta$ -glycine by spray drying. // <i>Crystal research and technology</i> . <b>46</b> (2011), 2; 145-152	0,946 (2011.)	KI, IK

112.	Sežun, Mija; Grilc, Viktor; Zupančič, Gregor Drago; Marinšek-Logar, Romana. Anaerobic digestion of brewery spent grain in a semi-continuous bioreactor : inhibition by phenolic degradation products. // <i>Acta chimica Slovenica</i> . <b>58</b> (2011) , 1; 158-166	1,328 (2011.)	KI
113.	Sopčič, Suzana; Kraljić Roković, Marijana; Mandić, Zoran; Róka, András; Inzelt, György. Mass changes accompanying the pseudocapacitance of hydrous RuO <sub>2</sub> under different experimental conditions. // <i>Electrochimica acta</i> . <b>56</b> (2011) , 10; 3543-3548	3,832 (2011.)	IK
114.	Sopčič, Suzana; Mandić, Zoran; Inzelt, György; Kraljić Roković, Marijana; Meštrović, Ernest. Ion dynamics in the pseudocapacitive reaction of hydrous ruthenium oxide. Effect of the temperature pre-treatment. // <i>Journal of power sources</i> . <b>196</b> (2011) , 10; 4849-4858	4,951 (2011.)	IK
115.	Sović, David; Gajović, Andreja; Iveković, Damir. Bioelectrocatalytic and biosensing properties of horseradish peroxidase covalently immobilized on (3-aminopropyl)trimethoxysilane-modified titanate nanotubes. // <i>Electrochimica acta</i> . <b>56</b> (2011) , 27; 9953-9960	3,832 (2011.)	IK
116.	Sović, Irena; Stilinović, Vladimir; Kaitner, Branko; Kraljević Pavelić, Sandra; Bujak, Maro; Čuljak, Katarina; Novak, Predrag; Karminski-Zamola, Grace. Novel substituted 1-iminoisoindoline derivatives : synthesis, structure determination and antiproliferative activity. // <i>Journal of molecular structure</i> . <b>1006</b> (2011) , 1/3; 259-265	1,634 (2011.)	IK
117.	Starčević, Antonio; Diminić, Janko; Žučko, Jurica; Elbekali, Mouhsine; Schlosser, Tobias; Lisfi, Mohamed; Vukelić, Ana; Long, F Paul; Hranueli, Daslav; Cullum, John. A novel docking domain interface model that can predict recombination between homoeologous modular biosynthetic gene clusters. // <i>Journal of industrial microbiology &amp; biotechnology</i> . <b>38</b> (2011) , 9; 1295-1304	2,735 (2011.)	IK
118.	Stathopoulos, Andreas T.; Kyritsis, Apostolos; Gallego Ferrer, Gloria; Gomez Ribelles, Jose Luis; Christodoulides, Costas; Pissis, Polycarpos. Cooperative segmental motions in ethyl acrylate/triethylene glycol dimethacrylate copolymer networks studied by dielectric techniques. // <i>Macromolecules</i> . <b>44</b> (2011) ; 8233-8244	5,167 (2011.)	IK
119.	Stolić, Ivana; Mišković, Katarina; Piantanida, Ivo; Baus Lončar, Mirela; Glavaš-Obrovac, Ljubica; Bajić, Miroslav. Synthesis, DNA/RNA affinity and antitumour activity of new aromatic diamidines linked by 3, 4-ethylenedioxythiophene. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 2; 743-755	3,346 (2011.)	IK
120.	Šagud, Ivana; Faraguna, Fabio; Marinić, Željko; Šindler-Kulyk, Marija. Photochemical approach to naphthoxazoles and fused hetero-benzoxazoles from 5-(phenyl/heteroarylethenyl)oxazoles. // <i>Journal of organic chemistry</i> . <b>76</b> (2011) , 8; 2904-2908	4,450 (2011.)	IK
121.	Šalić, Anita; Tušek, Ana; Kurtanjek, Želimir; Zelić, Bruno. Biotransformation in a microreactor : new way for production of hexanal. // <i>Biotechnology and bioprocess engineering</i> . <b>16</b> (2011) , 3; 495-504	1,278 (2011.)	KI, IK
122.	Šalić, Anita; Tušek, Ana; Fabek, Diana; Rukavina, Ivana; Zelić, Bruno. Aqueous two phase extraction of polyphenols using a microchannel system – process optimization and intensification. // <i>Food technology and biotechnology</i> . <b>49</b> (2011) , 4; 495-501	1,195 (2011.)	KI, IK
123.	Šantić, Ana; Skoko, Željko; Gajović, Andreja; Reis, Signo T.; Day, Delbert E.; Moguš-Milanković, Andrea. Physical properties of lead iron phosphate glasses containing Cr <sub>2</sub> O <sub>3</sub> . // <i>Journal of non-crystalline solids</i> . <b>357</b> (2011) , 21; 3578-3584	1,537 (2011.)	IK
124.	Šegota, Suzana; Ćurković, Lidija; Ljubas, Davor; Svetličić, Vesna; Fiamengo Houra, Ivona; Tomašić, Nenad. Synthesis, characterization and photocatalytic properties of sol-gel TiO <sub>2</sub> films. // <i>Ceramics international</i> . <b>37</b> (2011) , 4; 1153-1160	1,751 (2011.)	IK

125.	Šegvić-Bubić, Tanja; Lepen, Ivana; Trumbić, Željka; Ljubković, Jelena; Sutlović, Davorka; Matić-Skoko, Sanja; Grubišić, Leon; Glamuzina, Branko; Mladineo, Ivona. Population genetic structure of the reared and wild gilthead sea bream ( <i>Sparus aurata</i> ) in the Adriatic inferred with microsatellite loci. // <i>Aquaculture (Amsterdam)</i> . <b>318</b> (2011), 3/4; 309-315	2,041 (2011.)	IK
126.	Šimunović, Marina; Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Treatment of simulated industrial wastewater by photo-Fenton process: Part II. The development of mechanistic model. // <i>Chemical engineering journal</i> . <b>173</b> (2011), 2; 280-289	3,461 (2011.)	KI, IK
127.	Škorić, Irena; Kikaš, Ilijana; Kovács, Margit; Fodor, Lajos; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Horváth, Ottó. Synthesis, photochemistry and photophysics of butadiene derivatives: influence of the methyl group on the molecular structure and photoinduced behavior. // <i>Journal of organic chemistry</i> . <b>76</b> (2011), 21; 8641-8657	4,450 (2011.)	IK
128.	Škorić, Irena; Pavošević, Fabijan; Vazdar, Mario; Marinić, Željko; Šindler-Kulyk, Marija; Eckert-Maksić, Mirjana; Margetić, Davor. Thermal reaction of [3, 4]-benzo-8-substituted- 3Z, 5Z, 7E-octatetraenes and quantum-chemical study of the (8 $\pi$ , 6 $\pi$ )-electrocyclisation. // <i>Organic &amp; biomolecular chemistry</i> . <b>9</b> (2011), 19; 6771-6778	3,696 (2011.)	IK
129.	Tomašić, Vesna; Brnardić, Ivan; Jenei, Hrvoje; Kosar, Vanja; Zrnčević, Stanka. Combustion of active carbon as a model carbon material : comparison of non-catalytic and catalytic oxidation. // <i>Chemical and biochemical engineering quarterly</i> . <b>25</b> (2011), 3; 283-287	0,689 (2011.)	KI
130.	Ujević, Željka; Mohler, Ivan; Bolf, Nenad. Soft sensors for splitter product properties estimation in CDU. // <i>Chemical engineering communications</i> . <b>198</b> (2011), 12; 1566-1578	0,946 (2011.)	KI
131.	Ukić, Šime; Bolanča, Tomislav; Rogošić, Marko. Novel criteria for fast searching for optimal method in gradient ion chromatography : an integrated approach. // <i>Journal of separation science</i> . <b>34</b> (2011), 7; 780-788	2,733 (2011.)	IK
132.	Valicsek, Zsolt; Horváth, Ottó; Lendvay, György; Kikaš, Ilijana; Škorić, Irena. Formation, photophysics, and photochemistry of cadmium(II) complexes with 5, 10, 15, 20- tetrakis(4-sulphonatophenyl)porphyrin and its octabromo derivative. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>218</b> (2011), 1; 143-155	2,421 (2011.)	IK
133.	Vasić-Rački, Đurđa; Findrik, Zvezdana; Vrsalović Presečki, Ana. Modelling as a tool of enzyme reaction engineering for enzyme reactor development. // <i>Applied microbiology and biotechnology</i> . <b>91</b> (2011), 4; 845-856	3,425 (2011.)	KI
134.	Velić, Natalija; Samardžić, Mirela; Sak-Bosnar, Milan; Šantek, Božidar. Voltammetric determination of dissolved nitrous oxide. // <i>International journal of electrochemical science</i> . <b>6</b> (2011), 4; 1206-1215	3,729 (2011.)	IK
135.	Vrsaljko, Domagoj; Hrnjak-Murgić, Zlata; Lučić Blagojević, Sanja; Leskovac, Mirela; Kratožil Krehula, Ljerka; Ptiček Siročić, Anita; Katančić, Zvonimir; Kovačević, Vera; Jelenčić, Jasenka. Effect of preparation on morphology-properties relationships in SAN/EPDM/PCC composites. // <i>Journal of composite materials</i> . <b>45</b> (2011), 13; 1381-1393	1,068 (2011.)	KI, IK
136.	Wittine, Karlo; Stipković Babić, Maja; Košutić, Marija; Cetina, Mario; Rissanen, Kari; Kraljević Pavelić, Sandra; Tomljenović Paravić, Andrea; Sedić, Mirela; Pavelić, Krešimir; Mintas, Mladen. The new 5- or 6-azapyrimidine and cyanuric acid derivatives of L-ascorbic acid bearing the free C-5 hydroxy or C-4 amino group at the ethylenic spacer: CD-spectral absolute configuration determination and biological activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011), 7; 2770-2785	3,346 (2011.)	IK

137.	Wittine, Karlo; Benci, Krešimir; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Bratulić, Siniša; Hock, Karlo; Balzarini, Jan; Mintas, Mladen. Synthesis, cytostatic and anti-viral activity evaluation of the novel acyclic nucleoside analogues containing a sterically constrained (Z)-4-amino-2-butenyl moiety. // <i>Medicinal chemistry research</i> . <b>20</b> (2011), 3; 280-286	1,271 (2011.)	IK
138.	Završnik, Davorka; Muratović, Samija; Makuc, Damjan; Plavec, Janez; Cetina, Mario; Nagl, Ante; De Clercq, Erik; Balzarini, Jan; Mintas, Mladen. Benzylidene-bis-(4-Hydroxycoumarin) and Benzopyranocoumarin Derivatives: Synthesis, <sup>1</sup> H/ <sup>13</sup> C NMR Conformational and X-ray Crystal Structure Studies and in vitro Antiviral Activity Evaluations. // <i>Molecules</i> . <b>16</b> (2011), 7; 6023-6040	2,386 (2011.)	IK
139.	Zovko Končić, Marijana; Zorc, Branka; Novak, Predrag. Macromolecular prodrugs. XIII. Hydrosoluble conjugates of 17β-estradiol and estradiol-17β-valerate with polyaspartamide polymer. // <i>Acta pharmaceutica</i> . <b>61</b> (2011), 4; 465-472	0,912 (2011.)	IK
140.	Žagar, Kristina; Rečnik, Aleksander; Šturm, Sašo; Gajović, Andreja; Čeh, Miran. Structural and chemical characterization of BaTiO <sub>3</sub> nanorods. // <i>Materials research bulletin</i> . <b>46</b> (2011), 3; 366-371	2,105 (2011.)	IK
141.	Žic, Mark; Ristić, Mira; Musić, Svetozar. Monitoring the hydrothermal precipitation of α-Fe <sub>2</sub> O <sub>3</sub> from concentrated Fe(NO <sub>3</sub> ) <sub>3</sub> solutions partially neutralized with NaOH. // <i>Journal of molecular structure</i> . <b>993</b> (2011), 1/3; 115-119	1,634 (2011.)	IK
142.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High-shear vs. fluid-bed granulation process of dolomite : process modeling. // <i>Chemical and biochemical engineering quarterly</i> . <b>25</b> (2011), 1; 1-8	0,689 (2011.)	KI
143.	Žučko, Jurica; Cullum, John; Hranueli, Daslav; Long, Paul F. Evolutionary dynamics of modular polyketide synthases with implications for protein design and engineering. // <i>Journal of antibiotics</i> . <b>64</b> (2011), 1; 89-92	1,651 (2011.)	IK
144.	Acosta Santamaria, V.; Deplaine, H.; Mariggio, D.; Villanueva-Molines, A. R.; Garcia-Aznar, J. M.; Gomez Ribelles, J. L.; Doblare, M.; Gallego Ferrer, Gloria; Ochoa, I. Influence of the macro and micro-porous structure on the mechanical behavior of poly(L-lactic acid) scaffolds. // <i>Journal of non-crystalline solids</i> . <b>358</b> (2012); 3141-3149	1,597 (2012.)	IK
145.	Akrap, Marija; Kuzmanić, Nenad; Prlić Kardum, Jasna. Impeller geometry effect on crystallization kinetics of borax decahydrate in a batch cooling crystallizer. // <i>Chemical engineering research &amp; design</i> . <b>90</b> (2012), 6; 793-802	1,927 (2012.)	KI
146.	Aleksić, Maja; Bertoša, Branimir; Nhili, Raja; Uzelac, Lidija; Jarak, Ivana; Depauw, Sabine; David-Cordonnier, Marie-Héle`ne; Kralj, Marijeta; Tomić, Sanja; Karminski-Zamola, Grace. Novel substituted benzothiophene- and thienothiophene-carboxanilides and quinolones : synthesis, photochemical Synthesis, DNA-binding properties, antitumor evaluation and 3D-derived QSAR analysis. // <i>Journal of medicinal chemistry</i> . <b>55</b> (2012); 5044-5060	5,614 (2012.)	IK
147.	Babić, Sandra; Grdiša, Martina; Periša, Martina; Ašperger, Danijela; Šatović, Zlatko; Kaštelan-Macan, Marija. Ultrasound-assisted extraction of pyrethrins from pyrethrum flowers. // <i>Agrochimica (Pisa)</i> . <b>56</b> (2012), 4/5; 193-206	0,310 (2012.)	IK
148.	Basarić, Nikola; Cindro, Nikola; Bobinac, Damir; Uzelac, Lidija; Mlinarić-Majerski, Kata; Kralj, Marijeta; Wan, Peter. Zwitterionic biphenyl quinone methides in photodehydration reactions of 3-hydroxybiphenyl derivatives : laser flash photolysis and antiproliferation study. // <i>Photochemical &amp; photobiological sciences</i> . <b>11</b> (2012), 2; 381-396	2,923 (2012.)	IK

149.	Basarić, Nikola; Došlić, Nađa; Ivković, Jakov; Wang, Yu-Hsuan; Mališ, Momir; Wan, Peter. Very efficient generation of quinone methides through excited state intramolecular proton transfer to a carbon atom. // <i>Chemistry : a European journal</i> . <b>18</b> (2012), 34; 10617-10623	5,831 (2012.)	IK
150.	Benci, Krešimir; Mandić, Leo; Suhina, Tomislav; Sedić, Mirela; Klobučar, Marko; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Wittine, Karlo; Mintas, Mladen. Novel Coumarin derivatives containing 1, 2, 4-Triazole, 4, 5-dicyanoimidazole and purine moieties: synthesis and evaluation of their cytostatic activity. // <i>Molecules</i> . <b>17</b> (2012), 9; 11010-11025	2,428 (2012.)	IK
151.	Bennani, Yasmina; Košutić, Krešimir; Dražević, Emil; Rožić, Mirela. Wastewater from wood and pulp industry treated by combination of coagulation, adsorption on modified clinoptilolite tuff and membrane processes. // <i>Environmental technology</i> . <b>33</b> (2012), 10; 1159-1166	1,606 (2012.)	IK
152.	Blažek, Vesna; Mlinarić-Majerski, Kata; Qin, Wenwu; Basarić, Nikola. Photophysical study of the aggregation of naphthyl-, anthryl- and pyrenyl-adamantanebisurea derivatives. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>229</b> (2012), 1; 1-10	2,416 (2012.)	IK
153.	Blažić, Marko; Starčević, Antonio; Lisfi, Mohamed; Baranašić, Damir; Goranovič, Dušan; Fujs, Štefan; Kuščer, Enej; Kosec, Gregor; Petković, Hrvoje; Cullum, John; Hranueli, Daslav; Žučko, Jurica. Annotation of the modular polyketide synthase and nonribosomal peptide synthetase gene clusters in the genome of <i>Streptomyces tsukubaensis</i> NRRL18488. // <i>Applied and environmental microbiology</i> . <b>78</b> (2012), 23; 8183-8190	3,678 (2012.)	IF
154.	Bolanča, Tomislav; Marinović, Slavica; Ukić, Šime; Jukić, Ante; Rukavina, Vinko. Development of artificial neural network model for diesel fuel properties prediction using vibrational spectroscopy. // <i>Acta chimica Slovenica</i> . <b>59</b> (2012); 249-257	1,135 (2012.)	IK
155.	Bolanča, Tomislav; Šipušić, Juraj; Ukić, Šime; Šiljeg, Mario; Ujević Bošnjak, Magdalena. Optimization of arsenic sludge immobilization process in cement - natural zeolite - lime blends using artificial neural networks and multi objective criteria functions. // <i>Fresenius environmental bulletin</i> . <b>21</b> (2012), 1; 76-83	0,641 (2012.)	KI, IK
156.	Bralić, Marija; Buljac, Maša; Buzuk, Marijo; Brinić, Slobodan. Interference effect of various ions on determination of iron with flow injection analysis using the potentiometric technique. // <i>International journal of electrochemical science</i> . <b>7</b> (2012), 4; 2928-2937	1,956 (2013.) 3,729 (2011.)	IK
157.	Bralić, Marija; Buljac, Maša; Periš, Nenad; Buzuk, Marijo; Dabić, Pero; Brinić, Slobodan. Monthly and seasonal variations of NO <sub>2</sub> , SO <sub>2</sub> and black-smoke located within the sport district in urban area, City of Split, Croatia. // <i>Croatica chemica acta</i> . <b>85</b> (2012), 2; 139-145	0,614 (2012.)	IK
158.	Bralić, Marija; Perišić, Mladen; Čurlin, Mirjana; Bugarić, Marin; Buzuk, Marijo; Brinić, Slobodan. Application of fuzzy logic to determine the quality of urban wastewater in Split, Croatia. // <i>Fresenius environmental bulletin</i> . <b>21</b> (2012), 7; 1712-1720	0,641 (2012.)	IK
159.	Brinić, Slobodan; Buzuk, Marijo; Bralić, Marija; Buljac, Maša; Jozić, Dražan. Cu (II) ion-selective electrode based on mixed Silver-Copper Sulfide: phase structure and electrochemical properties. // <i>International journal of electrochemical science</i> . <b>7</b> (2012), 6; 5217-5230	1,956 (2013.) 3,729 (2011.)	IK
160.	Brinić, Slobodan; Buzuk, Marijo; Bralić, Marija; Generalić, Eni. Solid-contact Cu(II) ion-selective electrode based on 1, 2 di (o salicylaldiminophenylthio)ethane. // <i>Journal of solid state electrochemistry</i> . <b>16</b> (2012), 4; 1333-1341	2,279 (2012.)	IK

161.	Briški, Felicita; Kopčić, Nina; Ćosić, Ivana; Kučić, Dajana; Vuković, Marija. Biodegradation of tobacco waste by composting: Genetic identification of nicotine-degrading bacteria and kinetic analysis of transformations in leachate. // <i>Chemical Papers</i> . <b>66</b> (2012), 12; 1103-1110	0,879 (2012.)	KI
162.	Cerjan Stefanović, Štefica; Bolanča, Tomislav; Luša, Melita; Ukić, Šime; Rogošić, Marko. Multi-criteria decision making development of ion chromatographic method for determination of inorganic anions in oilfield waters based on artificial neural networks retention model. // <i>Analytica chimica acta</i> . <b>716</b> (2012); 145-154	4,387 (2012.)	IK
163.	Cetina, Mario; Benci, Krešimir; Wittine, Karlo; Mladen, Mintas. Weak C-H... $\pi$ and C-H...F interactions form higher-order supramolecular structures in cytosine and uracil (Z)-4'-benzamido-2'-butenyl derivative. // <i>Crystal growth &amp; design</i> . <b>12</b> (2012), 11; 5262-5270	2,428 (2012.)	IK
164.	Cornu, Cécile; Bonardet, Jean-Luc; Casale, Sandra; Davidson, Anne; Abramson, Sébastien; Andre, Gilles; Porcher, Florence; Grčić, Ivana; Tomašić, Vesna; Vujević, Dinko; Koprivanac, Natalija. Identification and location of iron species in Fe/SBA-15 catalysts : interest of heterojunctions for Fenton reactions. // <i>Journal of physical chemistry. C</i> . <b>116</b> (2012), 5; 3437-3448	4,814 (2012.)	KI
165.	Cukjati, Nevenka; Zupančić, Gregor Drago; Roš, Milenko; Grilc, Viktor. Composting of anaerobic sludge : an economically feasible element of a sustainable sewage sludge management. // <i>Journal of environmental management</i> . <b>106</b> (2012); 48-55	3,057 (2012.)	KI
166.	Ćosić, Ivana; Vuković, Marija; Gomzi, Zoran; Briški, Felicita. Comparison of various kinetic models for batch biodegradation of leachate from tobacco waste composting. // <i>Revista de chimie</i> . <b>63</b> (2012), 9; 967-971	0,538 (2012.)	KI
167.	Deluca, Marco; Vasilescu, Catalina A.; Ianculescu, Adelina C.; Berger, Daniela C.; Ciomaga, Cristina E.; Curecheriu, Lavinia P.; Stoleriu, Laurentiu; Gajović, Andreja; Mitoseriu, Liliana; Galassi, Carmen. Investigation of the composition-dependent properties of BaTi <sub>1-x</sub> Zr <sub>x</sub> O <sub>3</sub> ceramics prepared by the modified Pechini method. // <i>Journal of the European ceramic society</i> . <b>32</b> (2012), 13; 3551-3566	2,360 (2012.)	IK
168.	Dolar, Davor; Ignjatić Zokić, Tatjana; Ašperger, Danijela; Košutić, Krešimir; Mutavdžić Pavlović, Dragana. RO/NF membrane treatment of veterinary pharmaceutical wastewater: comparison of results obtained on a laboratory and a pilot scale. // <i>Environmental science and pollution research</i> . <b>19</b> (2012), 4; 1033-1042	2,618 (2012.)	IK
169.	Dolar, Davor; Pelko, Sanja; Košutić, Krešimir; Horvat, Alka J.M. Removal of anthelmintic drugs and their photodegradation products from water with RO/NF membranes. // <i>Process safety and environmental protection</i> . <b>90</b> (2012), 2; 147-152	1,495 (2012.)	IK
170.	Dolar, Davor; Vuković, Ana; Ašperger, Danijela; Košutić, Krešimir. Efficiency of RO/NF membranes at the removal of veterinary antibiotics. // <i>Water science and technology</i> . <b>65</b> (2012), 2; 317-323	1,102 (2012.)	IK
171.	Dražević, Emil; Bason, Sarit; Košutić, Krešimir; Freger, Viatcheslav. Enhanced partitioning and transport of phenolic micropollutants within polyamide composite membranes. // <i>Environmental science &amp; technology</i> . <b>46</b> (2012), 6; 3377-3383	5,257 (2012.)	IK
172.	Erceg, Marijana; Vertzoni, Maria; Cerić, Helena; Dumić, Miljenko; Cetina-Čižmek, Biserka; Reppas, Christos. In vitro vs. canine data for assessing early exposure of doxazosin base and its mesylate salt. // <i>European journal of pharmaceuticals and biopharmaceutics</i> . <b>80</b> (2012), 2; 402-409	3,826 (2012.)	IK

173.	Ester, Katja; Supek, Fran; Majsec, Kristina; Marjanović, Marko; Lembo, David; Donalisio, Manuela; Šmuc, Tomislav; Jarak, Ivana; Karminski-Zamola, Grace; Kralj, Marijeta. Putative mechanisms of antitumor activity of cyano-substituted heteroaryles in HeLa cells. // <i>Investigational new drugs</i> . <b>30</b> (2012) , 2; 450-467	3,498 (2012.)	IK
174.	Findrik, Zvezdana; Nemeth, Gergély; Gubicza, László; Bélafi-Bakó, Katalin; Vasić-Rački, Đurđa. Evaluation of factors influencing the enzymatic esterification of lactic acid in ionic liquid. // <i>Bioprocess and biosystems engineering</i> . <b>35</b> (2012) , 4; 625-635	1,869 (2012.)	KI
175.	Findrik, Zvezdana; Németh, Gergely; Vasić- Rački, Đurđa; Bélafi-Bakó, Katalin; Csanádi, Zsófia; Gubicza, László. Pervaporation-aided enzymatic esterifications in non-conventional media. // <i>Process biochemistry</i> . <b>47</b> (2012) , 12; 1715-1722	2,414 (2012.)	KI
176.	Findrik, Zvezdana; Vrsalović Presečki, Ana; Vasić- Rački, Đurđa. The influence of aeration on activity and operational stability of two snake venom amino acid oxidases. // <i>Biochemical engineering journal</i> . <b>60</b> (2012) ; 91-98	2,579 (2012.)	KI
177.	Franić, Zdenko; Petrinc, Branko; Branica, Gina; Marović, Gordana; Kubelka, Dragan; Franić, Zrinka. Post-Chernobyl investigations of radiocaesium activity concentrations in Adriatic Sea pilchards. // <i>Radiation protection dosimetry</i> . <b>151</b> (2012) , 2; 314-322	0,909 (2012.)	IK
178.	Galović, Olivera; Samardžić, Mirela; Derežić, Dragan; Madunić-Čačić, Dubravka; Sak-Bosnar, Milan. Potentiometric titration of micromolar levels of anionic surfactants in model effluents using a sensitive potentiometric sensor. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 2; 1522-1531	1,956 (2013.) 3,729 (2011.)	IK
179.	Gazivoda Kraljević, Tatjana; Bistrovic, Andrea; Dedić, Matea; Kraljević Pavelić, Sandra; Sedić, Mirela; Raić-Malić, Silvana. Efficient palladium-mediated or base-induced 5-endo-dig cyclisation of C5-alkynylated pyrimidine derivatives: conventional and microwave-assisted synthesis of novel furo[2, 3-d]pyrimidines. // <i>Tetrahedron letters</i> . <b>53</b> (2012) , 38; 5144-5147	2,397 (2012.)	IK
180.	Gazivoda Kraljević, Tatjana; Klika, Mateja; Kralj, Marijeta; Martin-Kleiner, Irena; Jurmanović, Stella; Milić, Astrid; Padovan, Jasna; Raić-Malić, Silvana. Synthesis, cytostatic activity and ADME properties of C-5 substituted and N-acyclic pyrimidine derivatives. // <i>Bioorganic &amp; medicinal chemistry letters</i> . <b>22</b> (2012) , 1; 308-312	2,338 (2012.)	IK
181.	Giljanović, Josipa; Prkić, Ante; Bralić, Marija; Brkljača, Mia. Determination of fluoride content in tea infusion by using fluoride ion-selective electrode. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 4; 2918-2927	1,956 (2013.) 3,729 (2011.)	IK
182.	Grahek, Željko; Karanović, Gorana; Nodilo, Marijana. Rapid determination of <sup>89</sup> , <sup>90</sup> Sr in wide range of activity concentration by combination of yttrium, strontium separation and Cherenkov counting. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>292</b> (2012) , 2; 555-569	1,467 (2012.)	IK
183.	Grahek, Željko; Nodilo, Marijana. Continuous separation of Sr, Y and some actinides by mixed solvent anion exchange and determination of <sup>89</sup> , <sup>90</sup> Sr, <sup>238</sup> , <sup>239</sup> Pu and <sup>241</sup> Am in soil and vegetation samples. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>293</b> (2012) , 3; 815-827	1,467 (2012.)	IK
184.	Grčić, Ivana; Papić, Sanja; Koprivanac, Natalija; Kovačić, Iva. Kinetic modeling and synergy quantification in sono and photooxidative treatment of simulated dyehouse effluent. // <i>Water research</i> . <b>46</b> (2012) ; 5683-5695	4,655 (2012.)	KI
185.	Grčić, Ivana; Papić, Sanja; Žižek, Krunoslav; Koprivanac, Natalija. Zero-valent iron (ZVI) Fenton oxidation of reactive dye wastewater under UV-C and solar irradiation. // <i>Chemical engineering journal</i> . <b>195-196</b> (2012) , 1; 77-90	3,473 (2012.)	KI



186.	Grčić, Ivana; Šipić, Ana; Koprivanac, Natalija; Vrsaljko, Domagoj. Global parameter of ultrasound exploitation (GPUE) in the reactors for wastewater treatment by sono-Fenton oxidation. // <i>Ultrasonics sonochemistry</i> . <b>19</b> (2012), 2; 270-279	3,516 (2012.)	KI
187.	Grubač, Zoran; Škugor Rončević, Ivana; Metikoš-Huković, Mirjana; Ranko, Babić; Peter, Robert; Petravić, Mladen. Surface modification of biodegradable magnesium alloys. // <i>Journal of the electrochemical society</i> . 159 (2012), 6; C253-C258	2,588 (2012.)	IK
188.	Horvat-Radošević, Višnja; Magdić, Katja; Kvastek, Krešimir. Parametrization of impedance spectra of GC/H2SO4 electrode: trials and errors. // <i>Bulgarian chemical communications</i> . <b>44</b> (2012); 356-363	0,320 (2012.)	IK
189.	Horvat, Alka J.M.; Petrović, Mira; Babić, Sandra; Mutavdžić Pavlović, Dragana; Ašperger, Danijela; Pelko, Sanja; Mance, Ana Dunja; Kaštelan-Macan, Marija. Analysis, occurrence and fate of anthelmintics and their transformation products in the environment. // <i>Trac-trends in analytical chemistry</i> . <b>31</b> (2012), 1; 61-84	6,351 (2012.)	IK
190.	Horvat, Margareta; Uzelac, Lidija; Marjanović, Marko; Cindro, Nikola; Franković, Oliver; Mlinarić-Majerski, Kata; Kralj, Marijeta; Basarić, Nikola. Evaluation of antiproliferative effect of N-(alkyladamantyl)phthalimides in vitro. // <i>Chemical biology &amp; drug design</i> . <b>79</b> (2012), 4; 497-506	2,469 (2012.)	IK
191.	Horvatinčić, Nada; Krajcar Bronić, Ines; Obelić, Bogomil; Barešić, Jadranka. Rudjer Bošković Institute radiocarbon measurements XVII. // <i>Radiocarbon</i> . <b>54</b> (2012), 1; 137-154	1,065 (2012.)	KI
192.	Hranjec, Marijana; Horak, Ema; Tireli, Martina; Pavlović, Gordana; Karminski-Zamola, Grace. Synthesis, crystal structure and spectroscopic study of novel benzimidazoles and benzimidazo[1, 2-a]quinolines as potential chemosensors for different cations. // <i>Dyes and pigments</i> . <b>95</b> (2012), 3; 644-656	3,532 (2012.)	IK
193.	Hranjec, Marijana; Pavlović, Gordana; Karminski-Zamola, Grace. Synthesis, crystal structure determination and antiproliferative activity of novel 2-amino-4-aryl-4, 10-dihydro[1, 3, 5]triazino[1, 2-a]benzimidazoles. // <i>Journal of molecular structure</i> . <b>1007</b> (2012); 242-251	1,404 (2012.)	IK
194.	Hublin, Andrea; Ignjatić Zokić, Tatjana; Zelić, Bruno. Optimization of biogas production from co-digestion of whey and cow manure. // <i>Biotechnology and bioprocess engineering</i> . <b>17</b> (2012), 6; 1284-1293	1,277 (2012.)	KI, IK
195.	Jukić, Marijana; Sviben, Igor; Zorić, Zoran; Milardović, Stjepan. Effect of polyvinylpyrrolidone on the formation AgBr grains in gelatine media. // <i>Croatica chemica acta</i> . <b>85</b> (2012), 3; 269-276	0,614 (2012.)	IK
196.	Jukić, Mila; Burčul, Franko; Carev, Ivana; Politeo, Olivera; Miloš, Mladen. Screening for acetylcholinesterase inhibition and antioxidant activity of selected plants from Croatia. // <i>Natural product research</i> . <b>26</b> (2012), 18; 1703-1707	1,031 (2012.)	IK
197.	Juretić, Daria; Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Photooxidation of benzene structured compounds: influence of substituent type on degradation kinetic and sum water parameters. // <i>Water research</i> . <b>46</b> (2012), 9; 3074-3084	4,655 (2012.)	KI, IK
198.	Kašnar-Šamprec, Jelena; Ratkaj, Ivana; Mišković, Katarina; Pavlak, Marina; Baus-Lončar, Mirela; Kraljević Pavelić, Sandra; Glavaš-Obrovac, Ljubica; Žinić, Biserka. In vivo toxicity study of N-1-sulfonylcytosine derivatives and their mechanisms of action in cervical carcinoma cell line. // <i>Investigational new drugs</i> . <b>30</b> (2012), 3; 981-990	3,498 (2012.)	IK

199.	Kikaš, Ilijana; Carlotti, Benedetta; Škorić, Irena; Šindler-Kulyk, Marija; Mazzucato, Ugo; Spalletti, Anna. Synthesis, spectral properties and photobehaviour of push-pull distyrylbenzene nitro-derivatives. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>244</b> (2012) ; 38-46	2,416 (2012.)	IK
200.	Kosol, Simone; Schrank, Evelyne; Bukvić Krajačić, Mirjana; Wagner, Gabriel E.; Meyer, Helge N.; Göbl, Christoph; Rechberger, Gerald N.; Zangger, Klaus; Novak, Predrag. Probing the interactions of macrolide antibiotics with membrane- mimetics by NMR spectroscopy. // <i>Journal of medicinal chemistry</i> . <b>55</b> (2012) , 11; 5632-5636	5,614 (2012.)	IK
201.	Krakovsky, Ivan; Varga, Martin; Gallego Ferrer, Gloria; Sabater i Serra, Roser; Salmeron-Sanchez, Manuel. Structure and properties of epoxy/polyaniline nanocomposites. // <i>Journal of non-crystalline solids</i> . <b>358</b> (2012) ; 414-419	1,597 (2012.)	IK
202.	Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Katančić, Zvonimir; Jelenčić, Jasenka; Kovačević, Vera; Hrnjak-Murgić, Zlata. Influence of calcium carbonate filler and mixing type process on structure and properties of Styrene-Acrylonitrile/Ethylene-Propylene-Diene polymer blends. // <i>Journal of applied polymer science</i> . <b>126</b> (2012) , 4; 1257-1266	1,395 (2012.)	KI, IK
203.	Kremenović, A.; Jančar, B.; Ristić, Mira; Vučinić-Vasić, M.; Rogan, J.; Pačevski, A.; Antić, B. Exchange-bias and grain-surface relaxations in nanostructured NiO/Ni induced by a particle size reduction. // <i>Journal of physical chemistry. C</i> . <b>116</b> (2012) , 7; 4356-4364	4,814 (2012.)	IK
204.	Krstulović, Luka; Ismaili, Hamit; Bajić, Miroslav; Višnjevac, Aleksandar; Glavaš-Obrovac, Ljubica; Žinić, Biserka. Synthesis of novel aliphatic N-sulfonylamidino thymine derivatives by Cu(I)-catalyzed three-component coupling reaction. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 4; 525-534	0,614 (2012.)	IK
205.	Kurajica, Stanislav; Popović, Jasminka; Tkalčec, Emilija, Gržeta, Biserka; Mandić, Vilko. The effect of annealing temperature on the structure and optical properties of sol-gel derived nanocrystalline cobalt aluminate spinel. // <i>Materials chemistry and physics</i> . <b>135</b> (2012) , 2-3; 587-593	2,072 (2012.)	IK
206.	Kurajica, Stanislav; Očko, Tanja; Mandić, Vilko; Cigula Kurajica, Vlasta; Lozić, Iva. Properties and antimicrobial activity of nanosilver deposited cotton fabric coated with $\gamma$ -methacryloxypropyl Trimethoxysilane. // <i>Journal of nano research</i> . <b>20</b> (2012) ; 77-88	0,341 (2012.)	IK
207.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Application of sensitivity and flux analyses for the reduction of model predicting the photooxidative degradation of an azo dye in aqueous media. // <i>Environmental modeling &amp; assessment</i> . <b>17</b> (2012) , 6; 653-671	0,977 (2012.)	KI, IK
208.	Kušić, Hrvoje; Koprivanac, Natalija; Papić, Sanja; Lončarić Božić, Ana. Influence of substituent type and position on photooxidation of phenolic compounds: response surface methodology approach. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>242</b> (2012) ; 1-12	2,416 (2012.)	KI, IK
209.	Lučić Blagojević, Sanja; Buhin, Zrinka; Pustak, Anđela; Lukić Kovačić, Ružica. Influence of nanosilica on the morphology and thermal and mechanical properties of polyurethane elastomer. // <i>Journal of applied polymer science</i> . <b>125</b> (2012) ; E181-E190	1,395 (2012.)	KI
210.	Madunić-Čačić, Dubravka; Sak-Bosnar, Milan; Matešić-Puač, Ružica; Samardžić, Mirela. Potentiometric determination of anionic surfactants in formulations containing Cocoamidopropyl Betaine. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 1; 875-885	1,956 (2013.) 3,729 (2011.)	IK
211.	Majić, Marijana; Ćurković, Lidija. Fracture toughness of alumina ceramics determined by Vickers indentation technique. // <i>Materials testing</i> . <b>54</b> (2012) , 4; 228-232	0,184 (2012.)	IK

212.	Majić Renjo, Marijana; Lalić, Marijo; Ćurković, Lidija; Matijašić, Gordana. Rheological properties of aqueous alumina suspensions. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>43</b> (2012) , 11; 979-983	0,505 (2012.)	IK
213.	Majić, Marijana; Ćurković, Lidija. Fracture toughness of alumina ceramics determined by vickers indentation technique. // <i>Materials testing</i> . <b>54</b> (2012) , 4; 228-231	0,184 (2012.)	IK
214.	Marciuš, Marijan; Ristić, Mira; Ivanda, Mile; Musić, Svetozar. Formation and microstructure of nickel oxide films. // <i>Journal of alloys and compounds</i> . <b>541</b> (2012) ; 238-243	2,390 (2012.)	IK
215.	Marciuš, Marijan; Ristić, Mira; Musić, Svetozar; Ivanda, Mile. Formation of iron oxides by surface oxidation of iron plate. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 1; 117-124	0,614 (2012.)	IK
216.	Marinović, Slavica; Bolanča, Tomislav; Ukić, Šime; Rukavina, Vinko; Jukić, Ante. Prediction of diesel fuel cold properties using artificial neural networks. // <i>Chemistry and technology of fuels and oils</i> . <b>48</b> (2012) , 1; 67-74	0,116 (2012.)	IK
217.	Marinović, Slavica; Krištović, Marko; Špehar, Branka; Rukavina, Vinko; Jukić, Ante. Prediction of diesel fuel properties by vibrational spectroscopy using multivariate analysis. // <i>Journal of analytical chemistry</i> . <b>67</b> (2012) , 12; 939-949	0,616 (2012.)	IK
218.	Mastelić Samardžić, Zrinka; Zrnčević, Stanka. Catalytic hydrogenation in process of 2-((1-benzylpiperidin-4-yl)methyl)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride synthesis: Catalyst screening and optimization of reaction conditions. // <i>Polish journal of chemical technology</i> . <b>14</b> (2012) , 3; 38-47	0,444 (2012.)	KI
219.	Metikoš-Huković, Mirjana; Babić, Ranko; Škugor Rončević, Ivana; Grubač, Zoran. Corrosion behavior of the filmed copper surface in saline water under static and jet impingement conditions. // <i>Corrosion (Houston, Tex.)</i> . <b>68</b> (2012) , 2; Article number: 025002	1,772 (2012.)	IK
220.	Metikoš-Huković, Mirjana; Katić, Jozefina; Milošev, Ingrid. Kinetics of passivity of Nitinol in an acidic solution and the spectroscopic characterisation of passive films. // <i>Journal of solid state electrochemistry</i> . <b>16</b> (2012) , 7; 2503-2513	2,279 (2012.)	IK
221.	Milošev, Ingrid; Metikoš-Huković, Mirjana; Petrović, Željka. Influence of preparation methods on the properties of self-assembled films of octadecylphosphonate on NiTi: XPS and EIS studies. // <i>Materials science &amp; engineering C</i> . <b>32</b> (2012) ; 2604-2616	2,404 (2012.)	IK
222.	Molčanov, Krešimir; Stolić, Ivana; Kojić-Prodić, Biserka; Kovačević, Goran; Bajić, Miroslav. 2-(4-Aminophenyl)-3, 4, 5, 6-tetrahydropyrimidin-1-ium chloride. // <i>Acta crystallographica. Section E, Structure reports online</i> . <b>68</b> (2012) , 5; o1360-1-01360-9	0,347 (2011.)	IK
223.	Müller, Ursina; Martić, Miljen; Gazivoda-Kraljević, Tatjana; Krištafor, Svjetlana; Ranadheera, Charlene; Müller, Adrienne; Born, Mariana; Krämer D., Stefanie; Raić-Malić, Silvana; Ametamey M., Simon. Synthesis and evaluation of a C-6 alkylated pyrimidine derivative for in vivo imaging of HSV1-TK gene expression. // <i>Nuclear medicine and biology</i> . <b>39</b> (2012) , 2; 235-246	2,517 (2012.)	IK
224.	Mutavdžić Pavlović, Dragana; Pinušić, Tea; Periša Martina; Babić, Sandra. Optimization of matrix solid-phase dispersion for liquid chromatography tandem mass spectrometry analysis of 12 pharmaceuticals in sediments. // <i>Journal of Chromatography A</i> . <b>1258</b> (2012) ; 1-15	4,612 (2012.)	IK

225.	Mužek, Mario Nikola; Zelić, Jelica; Jozić, Dražan. Microstructural characteristics of geopolymers based on alkali-activated fly ash. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 2; 89-95	0,569 (2012.)	KI
226.	Mužic, Marko; Sertić-Bionda, Katica; Adžamić, Tamara. Evaluation of commercial adsorbents and their application for desulfurization of model fuel. // <i>Clean technologies and environmental policy</i> . <b>14</b> (2012), 2; 283-290	1,827 (2012.)	KI
227.	Ninčević Grassino, Antonela; Grabarić, Zorana; De Sio, Fabio; Cacace, Domenico; Pezzani, Aldo; Sqiutieri, Giuseppe. Effect of storage time and natural corrosion inhibitor on carbohydrate and carboxylic acids content in canned tomato purée. // <i>Food science and technology international</i> . <b>18</b> (2012) , 3; 219-228	0,907 (2012.)	IK
228.	Ninčević Grassino, Antonela, Milardović, Stjepan, Grabarić, Zorana, Grabarić, Božidar S. Simple and reliable biosensor for determination of glucose in alcoholic beverages. // <i>Food research international</i> . <b>47</b> (2012) , 2 ; 368-373	3,005 (2012.)	IK
229.	Novak, Predrag; Jednačak, Tomislav; Parlov Vuković, Jelena; Zangger, Klaus; Rubčić, Mirta; Galić, Nives; Hrenar, Tomica. Synthesis, structural characterization and hydrogen bonding of mono(salicylidene)carbohydrazide. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 4; 451-456	0,614 (2012.)	IK
230.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Polymer modified bitumen. // <i>Materials research innovations</i> . <b>16</b> (2012) , 1; 1-6	0,321 (2012.)	KI
231.	Otmačić Ćurković, Helena; Kosec, Tadeja; Marušić, Katarina; Legat, Andraž. An electrochemical impedance study of the corrosion protection of artificially formed patinas on recent bronze. // <i>Electrochimica acta</i> . <b>83</b> (2012) ; 28-39	3,777 (2012.)	IK
232.	Panjan, Peter; Čekada, M.; Panjan, M.; Kek-Merl, D.; Zupanić, F.; Ćurković, Lidija; Paskvale, S. Surface density of growth defects in different PVD hard coatings prepared by sputtering. // <i>Vacuum</i> . <b>86</b> (2012) , 6; 794-798	1,530 (2012.)	IK
233.	Perez Olmedilla, Marcos; Lebourg, M.; Escobar Ivirico, J. L.; Nebot, I.; Garcia Giralt, N.; Gallego Ferrer, Gloria; Soria, J. M.; Gomez Ribelles, J. L. In vitro 3D culture of human chondrocytes using modified epsilon-caprolactone scaffolds with varying hydrophilicity and porosity. // <i>Journal of biomaterials applications</i> . <b>27</b> (2012) ; 299-309	2,640 (2012.)	IK
234.	Peternel, Igor; Koprivanac, Natalija; Grčić, Ivana. Mineralization of p-chlorophenol in water solution by AOPs based on UV irradiation. // <i>Environmental technology</i> . <b>33</b> (2012) , 1; 27-36	1,606 (2012.)	KI
235.	Petrović, Željka; Metikoš-Huković, Mirjana; Babić, Ranko. The electrochemical transfer reactions and the structure of the iron oxide layer electrolyte interface. // <i>Electrochimica acta</i> . <b>75</b> (2012) ; 406-413	3,777 (2012.)	IK
236.	Petrović, Željka; Metikoš-Huković, Mirjana; Peter, Robert; Petravić, Mladen. Surface modification of iron for corrosion protection: kinetics of anodic film formation and electroreduction. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 10; 9232-9247	1,956 (2013.) 3,729 (2011.)	IK
237.	Prkić, Ante; Giljanović, Josipa; Bralić, Marija; Boban, Katarina. Direct potentiometric determination of fluoride species by using ion-selective fluoride electrode. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 2; 1170-1179	1,956 (2013.) 3,729 (2011.)	IK

238.	Racané, Livio; Kraljević Pavelić, Sandra; Ratkaj, Ivana; Stepanić, Višnja; Pavelić, Krešimir; Tralić-Kulenović, Vesna; Karminski-Zamola, Grace. Synthesis and antiproliferative evaluation of some new amidino-substituted bis-benzothiazolyl-pyridines and pyrazine. // <i>European journal of medicinal chemistry</i> . <b>55</b> (2012) ; 108-116	3,499 (2012.)	IK
239.	Ristić, Davor; Ivanda, Mile; Speranza, Giorgio; Siketić, Zdravko; Bogdanović-Radović, Ivančica; Marciuš, Marijan; Ristić, Mira; Gamulin, Ozren; Musić, Svetozar; Furić, Krešimir; Righini, Giancarlo; Ferrari, Maurizio. Local site distribution of oxygen in silicon-rich oxide thin films: a tool to investigate phase separation. // <i>Journal of physical chemistry. C</i> . <b>116</b> (2012) , 18; 10039-11047	4,814 (2012.)	IK
240.	Saftić, Dijana; Žinić, Biserka; Višnjevac, Aleksandar. DBU induced formation of 8-bromoguanosine dimer with three hydrogen bonds between the GG- pairs. // <i>Tetrahedron</i> . <b>68</b> (2012) , 4; 1062-1070	2,803 (2012.)	IK
241.	Sakač, Nikola; Gvozdić, Vlatka; Sak-Bosnar, Milan. Determination of the botanical origin of starch using direct potentiometry and PCA. // <i>Carbohydrate polymers</i> . <b>87</b> (2012) , 4; 2619-2623	3,479 (2012.)	IK
242.	Sakač, Nikola; Sak-Bosnar, Milan. A rapid method for the determination of honey diastase activity. // <i>Talanta</i> . <b>93</b> (2012) ; 135-138	3,498 (2012.)	IK
243.	Sakač, Nikola; Sak-Bosnar, Milan. Potentiometric study of $\alpha$ -Amylase kinetics using a Platinum redox sensor. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 4; 3008-3017	1,956 (2013.) 3,729 (2011.)	IK
244.	Sak-Bosnar, Milan; Sakač, Nikola. Direct potentiometric determination of diastase activity in honey. // <i>Food chemistry</i> . <b>135</b> (2012) , 2; 827-831	3,334 (2012.)	IK
245.	Sander, Aleksandra; Prlić Kardum, Jasna. Pentaerythritol crystallization - influence of the process conditions on the granulometric properties of crystals. // <i>Advanced powder technology</i> . <b>23</b> (2012) , 2; 191-198	1,650 (2012.)	KI, IK
246.	Skenderović Božičević, Martina; Gajović, Andreja; Zjakić, Igor. Identifying a common origin of toner printed counterfeit banknotes by micro-Raman spectroscopy. // <i>Forensic science international</i> . <b>223</b> (2012) , 1/3; 314-320	2,307 (2012.)	IK
247.	Starčević, Antonio; Wolf, Kerstin; Diminić, Janko; Žučko, Jurica; Long, F Paul; Cullum, John; Hranueli, Daslav. Recombinatorial biosynthesis of polyketides. // <i>Journal of industrial microbiology &amp; biotechnology</i> . <b>39</b> (2012) , 3; 503-511	2,321 (2012.)	IK
248.	Stepanić, Višnja; Žiher, Dinko; Gabelica-Marković, Vesna; Jelić, Dubravko; Nunhuck, Shenaz; Valko, Klara; Koštrun, Sanja. Physicochemical profile of macrolides and their comparison with small molecules. // <i>European journal of medicinal chemistry</i> . <b>47</b> (2012) ; 462-472	3,499 (2012.)	IK
249.	Stolić, Ivana; Avdičević, Monika; Bregović, Nikola; Piantanida, Ivo; Glavaš-Obrovac, Ljubica; Bajić, Miroslav. Synthesis, DNA interactions and anticancer evaluation of novel diamidine derivatives of 3, 4-ethylenedioxythiophene. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 4; 457-467	0,614 (2012.)	IK
250.	Stolić, Ivana; Bratoš, Igor; Kovačević, Goran; Bajić, Miroslav. Fragmentation of diamide derivatives of 3, 4-ethylenedioxythiophene. // <i>Rapid communications in mass spectrometry</i> . <b>26</b> (2012) , 9; 1023-1031	2,509 (2012.)	IK

251.	Stolić, Ivana; Molčanov, Krešimir; Kovačević, Goran; Kojić-Prodić, Biserka; Bajić, Miroslav. Axial chirality of N, N'-disubstituted 3, 4-ethylenedioxythiophene-2, 5-dicarboxamides. // <i>Structural chemistry</i> . <b>23</b> (2012) , 2; 425-432	1,772 (2012.)	IK
252.	Šalić, Anita; Tušek, Ana; Zelić, Bruno. Application of microreactors in medicine and biomedicine. // <i>Journal of applied biomedicine</i> . <b>10</b> (2012) ; 137-153	0,978 (2012.)	KI, IK
253.	Škalec Šamec, Dijana; Meštrović, Ernest; Sander, Aleksandra. Nucleation kinetics of cis-entacapone. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 163-173	0,569 (2012.)	KI, IK
254.	Šoljić Jerbić, Ivana; Parlov Vuković, Jelena; Jukić, Ante. Production and application properties of dispersive viscosity index improvers. // <i>Industrial &amp; engineering chemistry research</i> . <b>51</b> (2012) , 37; 11914-11923	2,206 (2012.)	IK
255.	Šoštarec, Anita; Gosak, Darko; Hlupić, Nikica. Optimization of recipe based batch control systems using neural networks. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 175-190	0,569 (2012.)	KI
256.	Štajdohar, Jasenka; Ristić, Mira; Musić, Svetozar. Development of porous $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> microstructure by forced hydrolysis of FeCl <sub>3</sub> solutions in the presence of AOT. // <i>Journal of alloys and compounds</i> . <b>532</b> (2012) ; 41-48	2,390 (2012.)	IK
257.	Šustić, Igor; Barešić, Jadranka; Šipušić, Juraj. Determination of hardened binder initial composition. // <i>Zement-Kalk-Gips International</i> . <b>65</b> (2012) , 10; 70-78	0,164 (2012.)	KI, IK
258.	Tijanić, Zdenko; Ristić, Davor; Ivanda, Mile; Bogdanović-Radović, Ivancica; Marčiuš, Marijan; Ristić, Mira; Gamulin, Ozren; Musić, Svetozar; Furić, Kresimir; Chiasera, Alesandro; Ferrari, Maurizio; Righini, Giancarlo Cesare. Low temperature deposition of SiN <sub>x</sub> thin films by the LPCVD method. // <i>Croatia chemica acta</i> . <b>85</b> (2012) , 1; 97-100	0,614 (2012.)	IK
259.	Tišma, Marina; Žnidaršič-Plazl, Polona; Vasić-Rački, Đurđa; Zelić, Bruno. Optimization of laccase production by <i>Trametes versicolor</i> cultivated on industrial waste. // <i>Applied biochemistry and biotechnology</i> . <b>166</b> (2012) , 1; 36-46	1,893 (2012.)	KI, IK
260.	Tomić, Tatjana; Uzorinac Nasipak, Nada; Babić, Sandra. Estimating measurement uncertainty in high-performance liquid chromatography methods. // <i>Accreditation and quality assurance</i> . <b>17</b> (2012), 3 ; 291-300	1,132 (2012.)	IK
261.	Trkmić, Marija; Ćurković, Lidija; Ašperger, Danijela. Chemical analysis of solid residue from liquid and solid fuel combustion : Method development and validation. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>43</b> (2012) , 6; 503-510	0,505 (2012.)	IK
262.	Tušek, Ana; Šalić, Anita; Kurtanjek, Želimir; Zelić, Bruno. Modelling and kinetic parameter estimation of alcohol dehydrogenase catalyzed hexanol oxidation in a microreactor. // <i>Engineering in life sciences</i> . <b>12</b> (2012) , 1; 49-56	1,633 (2012.)	KI, IK
263.	Ujević Andrijić, Željka; Rolich, Tomislav; Bolf, Nenad. Soft sensor development for the estimation of benzene content in catalytic reformat. // <i>Industrial &amp; engineering chemistry research</i> . <b>51</b> (2012) , 7; 3007-3014	2,206 (2012.)	KI

264.	Ujević Bošnjak, Magdalena; Capak, Krunoslav; Jazbec, Anamarija; Casiot, Corinne; Sipos, Laszlo; Poljak, Vedran; Dadić, Željko. Hydrochemical characterization of arsenic contaminated alluvial aquifers in Eastern Croatia using multivariate statistical techniques and arsenic risk assessment. // <i>Science of the total environment</i> . <b>420</b> (2012); 100-110	3,258 (2012.)	IK
265.	Veljković, Jelena; Uzelac, Lidija; Molčanov, Krešimir; Mlinarić-Majerski, Kata; Kralj, Marijeta; Wan, Peter; Basarić, Nikola. Sterically congested adamantynaphthalene quinone methides. // <i>Journal of organic chemistry</i> . <b>77</b> (2012) , 10; 4596-4610	4,564 (2012.)	IK
266.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija. Photochemical transformation of $\beta$ , $\beta'$ -dithienyl substituted o-divinylbenzenes leading to 1, 2-dihydronaphthalenes or fused pentacyclic compounds: first evidence of electrocyclization process via 2, 3-dihydronaphthalene intermediates. // <i>Tetrahedron</i> . <b>68</b> (2012) ; 6873-6880	2,803 (2012.)	IK
267.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija. Photochemical and thermal transformations of thiophene o-distyrylbenzene analogues in acidic media. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 4; 425-434	0,614 (2012.)	IK
268.	Vuković, Marija; Ćosić, Ivana; Kučić, Dajana; Kopčić, Nina; Briški, Felicita. Biodegradation kinetics of tobacco waste leachate by activated sludge in SBR. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 191-198	0,569 (2012.)	KI
269.	Waghay, Deepali; Zhang, Jing; Jacobs, Jeroen; Nulens, Wienand; Basarić, Nikola; Van Meervelt, Luc; Dehaen, Wim. Synthesis and structural elucidation of diversely functionalized 5, 10-Diaza[5]Helicenes. // <i>Journal of organic chemistry</i> . <b>77</b> (2012) , 22; 10176-10183	4,564 (2012.)	IK
270.	Wittine, Karlo; Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Kraljević Pavelić, Sandra; Sedić, Mirela; Pavelić, Krešimir, Jan; Mintas, Mladen. Novel 1, 2, 4-triazole and imidazole derivatives of L-ascorbic and imino-ascorbic acid: Synthesis, anti-HCV and antitumor activity evaluations. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>20</b> (2012) ; 3675-3685	2,903 (2012.)	IK
271.	Zhong, Xin; Barbier, Jacques, Jr; Duprez, Daniel; Zhang, Hui; Royer, Sebastien. Modulating the copper oxide morphology and accessibility by using micro-/mesoporous SBA-15 structures as host support: effect on the activity for the CWPO of phenol reaction. // <i>Applied catalysis B-Environmental</i> . <b>121</b> (2012) ; 123-134	5,825 (2012.)	KI
272.	Zupančič, Gregor Drago; Škrjanec, Igor; Marinšek-Logar, Romana. Anaerobic co-digestion of excess brewery yeast in a granular biomass reactor to enhance the production of biomethane. // <i>Bioresource technology</i> . <b>124</b> (2012) ; 328-337	4,750 (2012.)	KI
273.	Zupančič, Gregor Drago; Roš, Milenko. Determination of chemical oxygen demand in substrates from anaerobic treatment of solid organic waste. // <i>Waste and biomass valorization</i> . <b>3</b> (2012) ; 89-98	1,056 (2014.)	KI
274.	Žučko, Jurica; Long, F Paul; Hranueli, Daslav; Cullum, John. Horizontal gene transfer drives convergent evolution of modular polyketide synthases. // <i>Journal of industrial microbiology &amp; biotechnology</i> . <b>39</b> (2012) , 10; 1541-1547	2,321 (2012.)	IK
275.	Aas, Bianca; Kettner, Marcos A.; Klapötke, Thomas M.; Sućeska, Muhamed; Zoller, Christoph. Asymmetric carbamate derivatives containing secondary nitramine, 2, 2, 2-trinitroethyl, and 2-fluoro-2, 2-dinitroethyl moieties. // <i>European journal of inorganic chemistry</i> . <b>2013</b> (2013) , 35; 6028-6036	2,965 (2013.)	KI
276.	Acosta Santamaria, Victor Andres; Malve, M.; Duizabo, A.; Mena Tobar, A.; Gallego Ferrer, G.; Garcia Aznar, J. M.; Doblare, M.; Ochoa, I. Computational methodology to determine fluid related parameters of non regular three-dimensional scaffolds. // <i>Annals of biomedical engineering</i> . <b>41</b> (2013) 2367-2380	3,231 (2013.)	IK

277.	Ascherl, Laura; Evangelisti, Camilla; Klapötke, Thomas M.; Krumm, Burkhard; Nafe, Julia; Nieder, Anian; Rest, Sebastian; Schutz, Christian; Sućeska, Muhamed; Trunk, Matthias. Chemistry and structures of Hexakis(halogenomethyl)-, Hexakis(azidomethyl)-, and Hexakis(nitratomethyl)disiloxanes. // <i>Chemistry : a European journal</i> . <b>19</b> (2013), 28; 9198-9210	5,696 (2013.)	KI
278.	Adžamić, Zoran; Adžamić, Tamara; Mužić, Marko; Sertić-Bionda, Katica. Optimization of the n-hexane isomerization process using response surface methodology. // <i>Chemical engineering research &amp; design</i> . <b>91</b> (2013), 1; 100-105	2,281 (2013.)	KI
279.	Alešković, Marija; Basarić, Nikola; Halasz, Ivan; Liang, Xing; Qinc, Wenwu; Mlinarić-Majerski, Kata. Aryl substituted adamantane-dipyrromethanes: Chromogenic and fluorescent anion sensors. // <i>Tetrahedron</i> . <b>69</b> (2013); 1725-1734	2,817 (2013.)	IK
280.	Babić, Dinko; Senčar, Jasminka; Petrinc, Branko; Marović, Gordana; Bituh, Tomislav; Skoko, Božena. Fine structure of the absorbed dose rate monitored in Zagreb, Croatia, in the period 1985-2011. // <i>Journal of environmental radioactivity</i> . <b>118</b> (2013); 75-79	3,571 (2013.)	IK
281.	Babić, Sandra; Periša, Martina; Škorić, Irena. Photolytic degradation of norfloxacin, enrofloxacin and ciprofloxacin in various aqueous media. // <i>Chemosphere</i> . <b>91</b> (2013), 11; 1635-1642	3,499 (2013.)	IK
282.	Basarić, Nikola; Došlić, Nađa; Ivković, Jakov; Wang, Yu-Hsuan; Veljković, Jelena; Mlinarić-Majerski, Kata; Wan, Peter. Excited state intramolecular proton transfer (ESIPT) from phenol to carbon in selected phenyl naphthols and naphthylphenols. // <i>Journal of organic chemistry</i> . <b>78</b> (2013), 5; 1811-1823	4,638 (2013.)	IK
283.	Bistričić, Lahorija; Borjanović, Vesna; Mikac, Lara; Dananić, Vladimir. Vibrational spectroscopic study of poly(dimethylsiloxane)-ZnO nanocomposites. // <i>Vibrational spectroscopy</i> . <b>68</b> (2013); 1-10	1,547 (2013.)	IK
284.	Bjažić, Toni; Ban, Željko; Perić, Nedjeljko. State variables estimation of fuel cell - boost converter system using fast output sampling method. // <i>Automatika</i> . <b>54</b> (2013), 2; 155-165	0,302 (2013.)	IK
285.	Bjažić, Toni; Ban, Željko; Perić, Nedjeljko. Adaptive control of peak current mode controlled boost converter supplied by fuel cell. // <i>Journal of power electronics</i> . <b>13</b> (2013), 1; 122-138	0,746 (2013.)	IK
286.	Bituh, Tomislav; Vučić, Zlatko; Marović, Gordana; Prlić, Ivica. A new approach to determine the phosphogypsum spread from the deposition site into the environment. // <i>Journal of hazardous materials</i> . <b>261</b> (2013); 584-592	4,331 (2013.)	IK
287.	Blažek, Vesna; Molčanov, Krešimir; Mlinarić-Majerski, Kata; Kojić-Prodić, Biserka; Basarić, Nikola. Adamantane bisurea derivatives: anion binding in the solution and in the solid state. // <i>Tetrahedron</i> . <b>69</b> (2013), 2; 517-526	2,817 (2013.)	IK
288.	Brinić, Slobodan; Vladislavić, Nives; Buzuk, Marijo; Bralić, Marija; Šolić, Mislav. Bismuth film random array carbon fiber micro electrodes for determination of cysteine and N-acetyl cysteine. // <i>Journal of electroanalytical chemistry</i> . <b>705</b> (2013); 86-90	2,871 (2013.)	IK
289.	Brkljača, Mia; Giljanović, Josipa; Prkić, Ante. Determination of metals in olive oil by electrothermal atomic absorption spectrometry : validation and uncertainty measurements. // <i>Analytical letters</i> . <b>46</b> (2013), 18; 2912-2926	1,019 (2013.)	IK
290.	Buhin, Zrinka; Lučić Blagojević, Sanja; Leskovac Mirela. In situ emulsion polymerization and characterization of poly(butyl acrylate-co-	1,441 (2013.)	KI, IK



	methyl methacrylate)/silica nanosystems. // <i>Polymer engineering &amp; science</i> . <b>53</b> (2013), 11; 2292-2298		
291.	Carlotti, Benedetta; Kikaš, Ilijana; Škorić, Irena; Spalletti, Anna; Elisei, Fausto. Photophysics of push-pull distyryl furan, thiophene and pyridine by fast and ultrafast techniques. // <i>ChemPhysChem</i> . <b>14</b> (2013), 5; 970-981	3,360 (2013.)	IK
292.	Cervantes, A.; Del Angel, G.; Torres, G.; Lafaye, G.; Barbier, J., Jr.; Beltramini, J. N.; Cabanas-Moreno, J. G.; de los Monteros, A. Espinosa. Degradation of methyl tert-butyl ether by catalytic wet air oxidation over Rh/TiO <sub>2</sub> -CeO <sub>2</sub> catalysts. // <i>Catalysis today</i> . <b>212</b> (2013); 2-9	3,309 (2013.)	KI
293.	Cindro, Nikola; Halasz, Ivan; Mlinarić-Majerski, Kata; Basarić, Nikola. Photoinduced H-abstraction in homo- and protoadamantylphthalimide derivatives in solution and in organized and constrained media. // <i>European journal of organic chemistry</i> . <b>2013</b> (2013), 5; 929-938	3,154 (2013.)	IK
294.	Ćosić, Ivana; Vuković, Marija; Gomzi, Zoran; Briški, Felicita. Modelling of kinetics of microbial degradation of simulated leachate from tobacco dust waste. // <i>Chemical Papers</i> . <b>67</b> (2013), 9; 1138-1145	1,193 (2013.)	KI
295.	Ćurković, Lidija; Otmačić Ćurković, Helena; Salopek, Sara; Majić Renjo, Marijana; Šegota, Suzana. Enhancement of corrosion protection of AISI 304 stainless steel by nanostructured sol-gel TiO <sub>2</sub> films. // <i>Corrosion science</i> . <b>77</b> (2013); 176-184	3,686 (2013.)	IK
296.	Ćurković, Lidija; Salopek, Sara; Šegota, Suzana; Majić Renjo, Marijana; Tomić, Tanja. AFM characterisation of sol-gel TiO <sub>2</sub> films deposited on stainless steel. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>44</b> (2013), 7; 650-654	0,433 (2013.)	IF
297.	Ćurković, Mario; Sipos, Laszlo; Puntarić, Dinko; Dodig-Ćurković, Katarina; Pivac, Nela; Kralik, Kristina. Detection of thallium and uranium in well water and biological specimens of an eastern Croatian population. // <i>Arhiv za higijenu rada i toksikologiju</i> . <b>64</b> (2013); 385-394	0,727 (2013.)	IK
298.	Deplaine, H.; Lebourg, M.; Ripalda, P.; Vidaurre, A.; Sanz-Ramos, P.; Mora, G.; Prosper, F.; Ochoa, I.; Doblare, M.; Gomez Ribelles, J. L.; Izal-Azcarate, I.; Gallego Ferrer, Gloria. Biomimetic hydroxyapatite coating on pore walls improves osteointegration of poly(L-lactic acid) scaffolds. // <i>Journal of biomedical materials research Part B-Applied biomaterials</i> . <b>101B</b> (2013); 173-186	2,328 (2013.)	IK
299.	Diminić, Janko; Žučko, Jurica; Trninić Ruzić, Ida; Gačeša, Ranko; Hranueli, Daslav; Long, Paul F.; Cullum, John; Starčević, Antonio. Databases of the thiotemplate modular systems (CSDB) and their in silico recombinants (r-CSDB). // <i>Journal of industrial microbiology &amp; biotechnology</i> . <b>40</b> (2013), 6; 653-659	2,505 (2013.)	IK
300.	Dimitrov, Nino; Kratožil Krehula, Ljerka; Ptiček Siročić, Anita; Hrnjak-Murđić, Zlata. Analysis of Recycled PET Bottles Products by Pyrolysis-Gas Chromatography. // <i>Polymer degradation and stability</i> . <b>98</b> (2013), 5; 972-979	2,633 (2013.)	KI, IK
301.	Dolar, Davor; Košutić, Krešimir; Ašperger, Danijela. Influence of adsorption of pharmaceuticals onto RO/NF membranes on their removal from water. // <i>Water, air and soil pollution</i> . <b>224</b> (2013), 1; 1377-1-1377-13	1,685 (2013.)	IK
302.	Dolar, Davor; Košutić, Krešimir; Ašperger, Danijela; Babić, Sandra. Removal of glucocorticosteroids and anesthetics from water with RO/NF membrane. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013); 1-6	0,911 (2013.)	IK
303.	Dolar, Davor; Periša, Martina; Košutić, Krešimir; Babić, Sandra. NF/RO removal of enrofloxacin and its photodegradation products from water. // <i>Desalination and Water Treatment</i> . <b>51</b> (2013), 1/3; 469-475	0,987 (2013.)	IK

304.	Dolar, Davor; Košutić, Krešimir; Periša, Martina; Babić, Sandra. Photolysis of enrofloxacin and removal of its photodegradation products from water by reverse osmosis and nanofiltration membranes. // <i>Separation and purification technology</i> . <b>115</b> (2013) ; 1-8	3,065 (2013.)	IK
305.	Dolar, Davor; Košutić, Krešimir; Ignjatić Zokić, Tatjana; Sipos, Laszlo; Markić, Marinko; Župan, Mario. Combined methods of highly polluted industrial wastewater treatment - a case study of high recovery. // <i>Polish journal of environmental studies</i> . <b>22</b> (2013) , 6; 1677-1683	0,600 (2013.)	IK
306.	Doležal, Dubravka; Alar, Vesna; Borko, Tihomir. Inhibition of carbon steel corrosion by imidazoline in carbon dioxide saturated oilfield brine solution. // <i>Materialwissenschaft und Werkstofftechniken</i> . <b>44</b> (2013) , 7; 626-632	0,433 (2013.)	IK
307.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir; Mutavdžić Pavlović, Dragana. Coating layer effect on performance of thin film nanofiltration membrane in removal of organic solutes. // <i>Separation and purification technology</i> . <b>118</b> (2013) ; 530-539	3,065 (2013.)	IK
308.	Dunlap, C Walter; Starčević, Antonio; Baranašić, Damir; Diminić, Janko; Žučko, Jurica; Gačeša, Ranko; van Oppen, JH Madeleine; Hranueli, Daslav; Cullum, John; Long, F Paul. KEGG orthology-based annotation of the predicted proteome of <i>Acropora digitifera</i> : ZoophyteBase - an open access and searchable database. // <i>Bmc genomics</i> . <b>14</b> (2013) ; Article number: 509	4,041 (2013.)	IK
309.	Elbeih, Ahmed; Pachman, Jiri; Zeman, Svatopluk; Trzcinski, Waldemar A.; Sućeska, Muhamed. Study of plastic explosives based on attractive cyclic nitramines, Part II. Detonation characteristics of explosives with polyfluorinated binders. // <i>Propellants, explosives, pyrotechnics</i> . <b>38</b> (2013) , 2; 238-243	1,497 (2013.)	KI
310.	Franković-Mihelj, Nirvana; Ukrainczyk, Neven; Leaković, Stjepan; Šipušić, Juraj. Waste Phosphogypsum – toward sustainable reuse in Calcium Sulfoaluminate cement based building materials. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 2; 219-226	0,911 (2013.)	KI, IK
311.	Gabrić, Beata; Sander, Aleksandra; Cvjetko Bubalo, Marina, Macut, Dejan. Extraction of S- and N-compounds from the mixture of hydrocarbons by ionic liquids as selective solvents. // <i>The scientific world journal</i> . <b>2013</b> (2013) , Article Number: 512953; 1-11	1,219 (2013.)	KI, IK
312.	Gajović, Andreja; Vukajlović Pleština, Jelena; Žagar, Kristina; Plodinec, Milivoj; Šturm, Sašo; Čeh, Miran. Temperature-dependent Raman spectroscopy of BaTiO <sub>3</sub> nanorods synthesized by using a template-assisted sol-gel procedure. // <i>Journal of Raman spectroscopy</i> . <b>44</b> (2013) , 3; 412-420	2,519 (2013.)	IK
313.	Gamboa-Martinez, Tatiana C.; Rodenas-Rochina, Joaquin; Rico Tortosa, Patricia; Lebourg, Myriam; Gomez Ribelles, Jose L.; Salmeron Sanchez, Manuel; Gallego Ferrer, Gloria. Chondrocytes cultured in an adhesive macroporous scaffold subjected to stirred flow bioreactor behave like in static culture. // <i>Journal of biomaterials and tissue engineering</i> . <b>3</b> (2013) 312-319	1,167 (2013.)	IK
314.	Gamboa-Martinez, T. C.; Garcia Cruz, D. M.; Carda, C.; Gomez Ribelles, J. L.; Gallego Ferrer, G. Fibrin-chitosan composite substrate for in vitro culture of chondrocytes. // <i>Journal of biomedical materials research Part A</i> . <b>101</b> (2013) ; 404-412	2,841 (2013.)	IK
315.	Ganguly, Bishwajit; Kesharwani, Manoj K.; Basarić, Nikola; Suresh, Eringathodi; Biswas, Abul Kalam; Mlinarić-Majerski, Kata. Conformational preference of glycylamide in solution : an answer derived from combined computational and experimental studies. // <i>Journal of molecular graphics &amp; modelling</i> . <b>46</b> (2013) ; 52-58	2,022 (2013.)	IK

316.	Gembarovski, Dubravka; Gabelica Marković, Vesna; Galić, Nives. Structural elucidation studies of 15-membered azalide macrocycles using H/D exchange and ESI-MSn. // <i>Journal of pharmaceutical and biomedical analysis</i> . <b>86</b> (2013) ; 1-10	2,829 (2013.)	IK
317.	Govorčin Bajsić, Emi; Rek, Vesna; Ormuž Pavić, Bojana. The influence of talc content on the thermal and mechanical properties of polyurethane/polypropylene blends. // <i>Journal of elastomers and plastics</i> . <b>45</b> (2013) , 6; 501-522	0,714 (2013.)	KI
318.	Grahek, Željko; Milanović, Ivana; Nodilo, Marijana; Rožmarić, Martina. Sequential separation of Fe and Sr from liquid samples by using Sr resin and rapid determination of <sup>55</sup> Fe and <sup>89, 90</sup> Sr. // <i>Applied radiation and isotopes</i> . <b>81</b> (2013) ; 42-48	1,056 (2013.)	IK
319.	Grčić, Ivana; Papić, Sanja; Koprivanac, Natalija. Sonochemical effectiveness factor (eUS) in the reactors for wastewater treatment by sono-Fenton oxidation: Novel considerations. // <i>Ultrasonics sonochemistry</i> . <b>20</b> (2013) , 4; 1037-1045	3,816 (2013.)	KI, IK
320.	Grčić, Ivana; Vujević, Dinko; Žižek, Krunoslav; Koprivanac, Natalija. Treatment of organic pollutants in water using TiO <sub>2</sub> powders: Photocatalysis vs. Sonocatalysis. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>109</b> (2013) , 2; 335-354	0,983 (2013.)	KI
321.	Grdiša, Martina; Babić, Sandra; Periša, Martina; Carović-Stanko, Klaudija; Kolak, Ivan; Liber, Zlatko; Jug-Dujaković, Marija; Šatović, Zlatko. Chemical diversity of the natural populations of Dalmatian pyrethrum ( <i>Tanacetum cinerariifolium</i> /Trevir. /Sch. Bip.) in Croatia. // <i>Chemistry &amp; biodiversity</i> . <b>10</b> (2013) , 3; 460-472	1,795 (2013.)	IK
322.	Grubač, Zoran; Metikoš-Huković, Mirjana; Babić, Ranko. Nanocrystalline and coarse grained polycrystalline nickel catalysts for the hydrogen evolution reaction. // <i>International journal of hydrogen energy</i> . <b>38</b> (2013) ; 4437-4444	2,930 (2013.)	IK
323.	Grubač, Zoran; Metikoš-Huković, Mirjana; Babić, Ranko. Electrocrystallization, growth and characterization of calcium phosphate ceramics on magnesium alloys. // <i>Electrochimica acta</i> . <b>109</b> (2013) ; 694-700	4,086 (2013.)	IK
324.	Grubač, Zoran; Metikoš-Huković, Mirjana; Babić, Ranko; Škugor-Rončević, Ivana; Petravić, Mladen; Peter, Robert. Functionalization of biodegradable magnesium alloy implants with alkylphosphonate self-assembled films. // <i>Materials science and engineering C</i> . <b>33</b> (2013) ; 2152-2158	2,736 (2013.)	IK
325.	Gulin, Marko; Vašak, Mario; Perić, Nedjeljko. Dynamical optimal positioning of a photovoltaic panel in all weather conditions. // <i>Applied energy</i> . <b>108</b> (2013) ; 429-438	5,261 (2013.)	IK
326.	Hranueli, Daslav; Starčević, Antonio; Žučko, Jurica; Rojas, Juan Diego; Diminić, Janko; Baranašić, Damir; Gačeša, Ranko; Padilla, Gabriel; Long, Paul F.; Cullum, John;. Synthetic Biology : A novel approach for the construction of industrial microorganisms. // <i>Food technology and biotechnology</i> . <b>51</b> (2013) , 1; 3-11	0,977 (2013.)	IK
327.	Hranjec, Marijana; Sović, Irena; Ratkaj, Ivana; Pavlović, Gordana; Ilić, Nataša; Valjalo, Linda; Pavelić, Krešimir; Kraljević Pavelić, Sandra; Karminski-Zamola, Grace. Antiproliferative potency of novel benzofuran-2-carboxamides on tumor cell lines : cell death mechanisms and determination of crystal structure. // <i>European journal of medicinal chemistry</i> . <b>59</b> (2013) ; 111-119	3,432 (2013.)	IK
328.	Hublin, Andrea; Zelić, Bruno. Modelling of the whey and cow manure co-digestion process. // <i>Waste management &amp; research</i> . <b>31</b> (2013) , 4; 353-360	1,114 (2013.)	KI, IK
329.	Huskić, Miroslav; Žigon, Majda; Ivanković, Marica. Comparison of the properties of clay polymer nanocomposites prepared by montmorillonites modified by silane and by quaternary ammonium salts. // <i>Applied clay science</i> . <b>85</b> (2013) ; 109-115	2,703 (2013.)	IK
330.	Ilijaš, Marina; Malnar, Ivica; Gabelica Marković, Vesna; Stepanić, Višnja. Study of lipophilicity and membrane partition of 4-hydroxycoumarins by HPLC	2,829 (2013.)	IK

	and PCA. // <i>Journal of pharmaceutical and biomedical analysis</i> . <b>76</b> (2013) ; 104-111		
331.	Ivešić, Martina; Babić, Sandra; Krivohlavek, Adela; Šmit, Zdenko. Determination of cyanuric acid in whey powder using HILIC-MS/MS. // <i>Analytical methods</i> . <b>5</b> (2013) ; 5188-5194	1,938 (2013.)	IK
332.	Izal, Inigo; Aranda, Pablo; Sanz-Ramos, Patricia; Ripalda, Purificacion; Mora, Gonzalo; Granero-Molto, Froilan; Deplaine, Harmony; Gomez-Ribelles, Jose Luis; Gallego Ferrer, Gloria; Acosta, Victor; Ochoa, Ignacio; Manuel Garcia-Aznar, Jose; Andreu, Enrique J.; Monleon-Pradas, Manuel; Doblare, Manuel; Prosper, Felipe. Culture of human bone marrow-derived mesenchymal stem cells on of poly(L-lactic acid) scaffolds: potential application for the tissue engineering of cartilage. // <i>Knee surgery sports traumatology arthroscopy</i> . <b>21</b> (2013) ; 1737-1750	2,837 (2013.)	IK
333.	Jelčić, Želimir; Mastelić Samardžić, Zrinka; Zrnčević, Stanka. Fractal analysis of catalyst surface morphologies on hydrogenation in process of 2-((1-benzylpiperidin-4-yl)methyl)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride synthesis. // <i>Applied catalysis. A, General</i> . <b>456</b> (2013) ; 30-43	3,674 (2013.)	KI
334.	Joksimović, Gojko; Riger, Jakša; Wolbank, Thomas; Perić, Nedjeljko; Vašak, Mario. Stator current spectrum signature of a healthy cage rotor induction machines. // <i>IEEE transactions on industrial electronics</i> . <b>60</b> (2013) , 9; 4025-4033	6,500 (2013.)	IK
335.	Jurak, Gordana; Bošnjir, Jasna; Puntarić, Dinko; Pavlinić-Prokurica, Iva; Šmit, Zdenko; Medić, Helga; Puntarić, Ida; Puntarić, Eda. Effects of temperature, length of storage, and technological processes on the formation of N-nitrosamines in liver pâté. // <i>Acta alimentaria</i> . <b>42</b> (2013) , 4; 481-494	0,427 (2013.)	IK
336.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Lončarić Božić, Ana. Environmental aspects of photooxidative treatment of phenolic compounds. // <i>Journal of hazardous materials</i> . <b>262</b> (2013) ; 377-386	4,331 (2013.)	IK
337.	Juretić, Daria; Kušić, Hrvoje; Papić, Ana; Šmidt, Marina; Ježovita, Oskar; Peternel, Igor; Lončarić Božić, Ana. Modeling of photodegradation kinetics of aromatic pollutants in water matrix. // <i>Journal of photochemistry and photobiology A: Chemistry</i> . <b>271</b> (2013) ; 65-76	2,291 (2013.)	IK
338.	Jurica, Karlo; Uršulin-Trstenjak, Natalija; Vukić Lušić, Darija; Lušić, Dražen; Šmit, Zdenko. Izloženost ftalatima i njihova pojavnost u alkoholnim pićima. // <i>Archives of industrial hygiene and toxicology</i> . <b>64</b> (2013) , 2; 317-325	0,727 (2013.)	IK
339.	Jurinjak Tušek, Ana; Tišma, Marina; Bregović, Valentina; Ptičar, Ana; Kurtanjek, Želimir; Zelić, Bruno. Enhancement of phenolic compounds oxidation using laccase from <i>Trametes versicolor</i> in a microreactor. // <i>Biotechnology and bioprocess engineering</i> . <b>18</b> (2013) , 4; 686-696	1,220 (2013.)	KI, IK
340.	Karažija, Tomislav; Vidović, Elvira; Jukić, Ante. Thermal properties and side chain crystallinity of styrene and n-alkyl methacrylate terpolymers. // <i>Polymer engineering and science</i> . <b>53</b> (2013) , 11; 2299-2307	1,441 (2013.)	IK
341.	Kassal, Petar; Murković Steinberg, Ivana; Steinberg, Matthew D. Wireless smart tag with potentiometric input for ultra low-power chemical sensing. // <i>Sensors and actuators. B, Chemical</i> . <b>184</b> (2013) ; 254-259	3,840 (2013.)	IK
342.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko; Marciuš, Marijan. Sol-gel derived biphasic calcium phosphate ceramics on Nitinol for medical applications. // <i>International journal of electrochemical science</i> . <b>8</b> (2013) , 1; 1394-1408	1,956 (2013.)	IK
343.	Kerolli-Mustafa, Mihone; Bačić, Ivana; Ćurković, Lidija. Investigation of Jarosite process tailing waste by means of Raman and infrared spectroscopy. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>44</b> (2013) , 9; 768-773	0,433 (2013.)	IK
344.	Kikaš, Ilijana; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of furan and benzofuran derivatives. // <i>Journal of molecular structure</i> . <b>1034</b> (2013) ; 62-68	1,599 (2013.)	IK

345.	Klapötke, Thomas M.; Penger, Alexander; Pflüger, Carolin; Stierstorfer, Jörg; Sućeska, Muhamed. Advanced open-chain nitramines as energetic materials: Heterocyclic-substituted 1, 3-dichloro-2-nitrazapropane. // <i>European journal of inorganic chemistry</i> . <b>2013</b> (2013), 26; 4667-4678	2,965 (2013.)	KI
346.	Klapötke, Thomas M.; Steemann, F.Xaver; Sućeska, Muhamed. Binary flash compositions – a theoretical and practical study. // <i>Propellants, explosives, pyrotechnics</i> . <b>38</b> (2013), 1; 29-34	1,497 (2013.)	KI
347.	Klarić, Eva; Marciuš, Marijan; Ristic, Mira; Sever, Ivan; Prskalo, Katica; Tarle, Zrinka. Surface changes of enamel and dentine after two different bleaching procedures. // <i>Acta clinica Croatica</i> . <b>52</b> (2013); 419-429	0,421 (2013.)	IK
348.	Kopčić, Nina; Vuković Domanovac, Marija; Đaković, Zorislav; Briški, Felicita. Composting of tobacco dust in different types of reactors. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013), 1; 57-64	0,911 (2013.)	KI
349.	Korunda, Silvija; Krištafor, Svjetlana; Cetina, Mario; Raić-Malić, Silvana. Conjugates of 1, 2, 3-triazoles and acyclic pyrimidine nucleoside analogues: Syntheses and X- ray crystallographic studies. // <i>Current organic chemistry</i> . <b>17</b> (2013), 10; 1114-1124	2,537 (2013.)	IK
350.	Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Dukić, Maja; Hrnjak-Murgić, Zlata. Cleaning efficiency of poly(ethylene terephthalate) washing procedure in recycling process. // <i>Journal of elastomers and plastics</i> . <b>45</b> (2013), 5; 429-444	0,714 (2013.)	KI, IK
351.	Kubuki, Shiro; Shibano, Koya; Akiyama, Kazuhiko; Homonnay, Zoltan; Kuzman, Erno; Ristić, Mira; Nishida, Tetsuaki. Effect of the structural change of an iron-iron oxide mixture on the decomposition of trichloroethylene. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>295</b> (2013), 1; 23-30	1,415 (2013.)	IK
352.	Kučić, Dajana; Ćosić, Ivana; Vuković Domanovac, Marija; Briški, Felicita. Sorption Kinetic Studies of Ammonium from Aqueous Solution on Different Inorganic and Organic Media. // <i>Acta chimica Slovenica</i> . <b>60</b> (2013), 1; 109-119	0,810 (2013.)	KI
353.	Kučić, Dajana; Kopčić, Nina; Briški, Felicita. Zeolite and potting soil sorption of CO <sub>2</sub> and NH <sub>3</sub> evolved during co-composting of grape and tobacco waste. // <i>Chemical Papers</i> . <b>67</b> (2013), 9; 1172-1180	1,193 (2013.)	KI
354.	Kurajica, Stanislav; Ćurković, Lidija; Tkalčec, Emilija; Mandić, Vilko. Acid corrosion behavior of sol-gel-prepared Mullite ceramics with and without addition of Lanthanum. // <i>Journal of the American ceramic society</i> . <b>96</b> (2013), 3; 923-927	2,428 (2013.)	IK
355.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Environmental aspects on the photodegradation of reactive triazine dyes in aqueous media. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>252</b> (2013); 131-144	2,291 (2013.)	KI, IK
356.	Lešić, Vinko; Vašak, Mario; Perić, Nedjeljko; Joksimović, Gojko; Wolbank, Thomas. Fault-tolerant control of a wind turbine with generator stator inter-turn faults. // <i>Automatika</i> . <b>54</b> (2013), 1; 89-102	0,302 (2013.)	IK
357.	Lešić, Vinko; Vašak, Mario; Perić, Nedjeljko; Wolbank, Thomas; Joksimović, Gojko. Fault-tolerant control of a wind turbine with a squirrel-cage induction generator and rotor bar defects. // <i>Automatika</i> . <b>54</b> (2013), 3; 316-328	0,302 (2013.)	IK

358.	Linarić, Martina; Markić, Marinko; Sipos, Laszlo. High salinity wastewater treatment. // <i>Water science &amp; technology</i> . <b>68</b> (2013) , 6; 1400-1405	1,212 (2013.)	IK
359.	Lučić Blagojević, Sanja; Buhin, Zrinka; Igrec, Ivona. Influence of silica nanofiller on the isothermal crystallization and melting of polyurethane elastomer. // <i>Journal of applied polymer science</i> . <b>129</b> (2013) , 3; 1466-1475	1,640 (2013.)	KI
360.	Mandić, Vilko; Očko, Tanja; Matijašić, Gordana; Kurajica, Stanislav. Sol-gel derived mixed metal oxide sorbents for high temperature gas desulfurization. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 43-49	0,911 (2013.)	IK
361.	Marcius, Marijan; Ristić, Mira; Ivanda, Mile; Musić, Svetozar. Thermal decomposition of hydrated salts of Ni(II)-acetate and Ni(II)-lactate. // <i>Journal of molecular structure</i> . <b>1044</b> (2013) ; 231-238	1,599 (2013.)	IK
362.	Marović, Danijela; Pandurić, Vlatko; Tarle, Zrinka; Ristić, Mira; Šariri, Kristina; Demoli, Nazif; Klarić, Eva; Janković, Bernard; Prskalo, Katica. Degree of conversion and microhardness of dental composite resin materials. // <i>Journal of molecular structure</i> . <b>1044</b> (2013) ; 299-302	1,599 (2013.)	IK
363.	Marušić, Katarina; Otmačić Ćurković, Helena; Takenouti, Hisasi. Corrosion inhibition of bronze and its patina exposed to acid rain. // <i>Journal of the electrochemical society</i> . <b>160</b> (2013) , 8; C356-C363	2,859 (2013.)	IK
364.	Matečić Mušanić, Sanja; Sućeska, Muhamed. Dynamic mechanical properties of artificially aged double base rocket propellant and possibilities for prediction of their service lifetime. // <i>Central European journal of energetic materials</i> . <b>10</b> (2013) , 2; 225-244	1,925 (2013.)	KI
365.	Matečić Mušanić, Sanja; Sućeska, Muhamed; Čuljak, Ružica. The applicability of chromatographic methods in the investigation of aging processes in double base rocket propellants. // <i>Central European journal of energetic materials</i> . <b>10</b> (2013) , 2; 245-262	1,925 (2013.)	KI
366.	Matijević, Slavica; Bogner, Danijela; Bojanić, Natalia; Žuljević, Ante; Despalatović, Marija; Antolić, Boris; Nikolić, Vedran; Bilić, Jadranka. Biogeochemical characteristics of sediments under the canopy of invasive alga <i>Caulerpa racemosa</i> var. <i>cylindracea</i> (Pelješac Peninsula, Adriatic Sea). // <i>Fresenius environmental bulletin</i> . <b>22</b> (2013) , 10a; 3030-3040	0,527 (2013.)	IK
367.	Meščić, Andrijana; Betzel, Thomas; Müller, Roger; Slavik, Roger; Čermak, Stjepko; Raić-Malić, Silvana; Ametamey M., Simon. Synthesis and biological evaluation of a new acyclic pyrimidine derivative as a probe for imaging herpes simplex virus type 1 thymidine kinase gene expression. // <i>Molecules</i> . <b>18</b> (2013) ; 8535-8549	2,095 (2013.)	IK
368.	Meščić, Andrijana; Glavač, Danijel; Osmanović, Amar; Završnik, Davorka; Cetina, Mario; Makuc, Damjan; Plavec, Janez; Ametamey, M. Simon; Raić-Malić, Silvana. N-alkylated and O-alkylated regioisomers of 5-(hydroxyalkyl)pyrimidines: Synthesis and structural study. // <i>Journal of molecular structure</i> . <b>1039</b> (2013) ; 160-166	1,599 (2013.)	IK
369.	Meščić, Andrijana; Krištafor, Svjetlana; Novaković, Ivana; Osmanović, Amar; Müller, Ursina; Završnik, Davorka; Ametamey, Simon M.; Scapozza, Leonardo; Raić-Malić, Silvana. C-5 hydroxyethyl and hydroxypropyl acyclonucleosides as substrates for thymidine kinase of herpes simplex virus type 1 (HSV-1 TK): Syntheses and biological evaluations. // <i>Molecules</i> . <b>18</b> (2013) , 5; 5104-5124	2,095 (2013.)	IK
370.	Metikoš-Huković, Mirjana; Babić, Ranko; Grubač, Zoran; Petravić, Mladen; Peter, Robert. Potential assisted formation and characterization of hydroxyapatite coatings on biodegradable magnesium alloys. // <i>Journal of the electrochemical society</i> . <b>160</b> (2013) ; H674-H680	2,859 (2013.)	

371.	Metikoš-Huković, Mirjana; Grubač, Zoran; Omanović, Saša. Change of an n-type to a p-type conductivity of the N steel's semiconductor passive film: enhancement in the pitting corrosion resistance. // <i>Journal of the Serbian chemical society</i> . <b>78</b> (2013) ; 2053-2067	0,889 (2013.)	IK
372.	Mohaček Grošev, Vlasta; Furić, Krešimir; Ivanković, Hrvoje. Observed bands in Raman and infrared spectra of 1, 3- dioxolane and their assignments. // <i>Vibrational spectroscopy</i> . <b>64</b> (2013) ; 101-107	1,547 (2013.)	KI, IK
373.	Mohler, Ivan; Ujević Andrijić, Željka; Bolf, Nenad; Galinec, Goran. Distillation end point estimation in the diesel fuel production. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 2; 125-132	0,911 (2013.)	KI
374.	Mutavdžić Pavlović, Dragana; Ašperger, Danijela; Tolić, Dijana; Babić, Sandra. Development and optimization studies for determination of pharmaceuticals in water samples by SPE and HPLC with diode-array detection. // <i>Journal of separation science</i> . <b>36</b> (2013) ; 3042-3049	2,594 (2013.)	IK
375.	Mužić, Marko; Sertić-Bionda, Katica. Alternative Processes for Removing Organic Sulfur Compounds. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 101-108	0,911 (2013.)	KI
376.	Nestić, Marina; Babić, Sandra; Mutavdžić Pavlović, Dragana; Sutlović, Davorka. Molecularly imprinted solid phase extraction for simultaneous determination of $\Delta^9$ - tetrahydrocannabinol and its main metabolites by gas chromatography-mass spectrometry in urine samples. // <i>Forensic science international</i> . <b>231</b> (2013) , 1/3; 317-324	2,115 (2013.)	IK
377.	Nikolić, Aleksandar S.; Jović, Nataša; Rogan, Jelena; Kremenović, Aleksandar; Ristić, Mira; Meden, Antun; Antić, Bratislav. Carboxylic acids and polyethylene glycol assisted synthesis of nanocrystalline nickel ferrites. // <i>Ceramics international</i> . <b>39</b> (2013) , 6; 6681-6688	2,086 (2013.)	IK
378.	Novak, Mirjana; Mohler, Ivan; Golob, Marjan; Ujević Andrijić, Željka; Bolf, Nenad. Continuous estimation of kerosene cold filter plugging point using soft sensors. // <i>Fuel processing technology</i> . <b>113</b> (2013) ; 8-19	3,019 (2013.)	KI
379.	Novell, Marta; Guinovart, Tomas; Murković Steinberg, Ivana; Steinberg, Matthew; Rius, F. Xavier; Andrade, Francisco J. A novel miniaturized radiofrequency potentiometer tag using ion-selective electrodes for wireless ion sensing. // <i>Analyst</i> . <b>138</b> (2013) ; 5250-5257	3,906 (2013.)	IK
380.	Očelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Influence of polymer types on bitumen engineering properties. // <i>Materials research innovations</i> . <b>17</b> (2013) , 3; 189-194	0,473 (2013.)	KI
381.	Očelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Rheological properties and stability of ethylene vinyl acetate polymer-modified bitumen. // <i>Polymer engineering and science</i> . <b>53</b> (2013) , 11; 2276-2283	1,441 (2013.)	KI
382.	Panagopoulou, Anna; Vazquez Molina, Joan; Kyritsis, Apostolos; Monleon Pradas, Manuel; Valles Lluch, Anna; Gallego Ferrer, Gloria; Pissis, Polycarpos. Glass transition and water dynamics in hyaluronic acid hydrogels. // <i>Food biophysics</i> . <b>8</b> (2013) ; 192-202	1,551 (2013.)	IK
383.	Peček, Gorana; Mutavdžić Pavlović, Dragana; Babić, Sandra. Development and validation of a SPE-GC-MS method for the determination of pesticide in surface water. // <i>International journal of environmental analytical chemistry</i> . <b>93</b> (2013) , 12; 1311-1328	1,321 (2013.)	IK

384.	Penović, Tomislav; Sander, Aleksandra; Grozdanić, Vedrana. Spray drying of aqueous solutions of inorganic and organic materials. // <i>Particulate science and technology</i> . <b>31</b> (2013) , 5; 458-465	0,482 (2013.)	KI, IK
385.	Perin, Nataša; Martin Kleiner, Irena; Nhili, Raja; Laine, William; David-Cordonnier, Marie-Héle`ne; Vugrek, Oliver; Karminski-Zamola, Grace; Kralj, Marijeta; Hranjec, Marijana. Biological activity and DNA binding studies of 2-substituted benzimidazo[1, 2-a]quinolines bearing different amino side chains. // <i>Medicinal chemistry communications</i> . <b>4</b> (2013) ; 1537-1550	2,626 (2013.)	IK
386.	Periša, Martina; Babić, Sandra; Škorić, Irena; Frömel, Tobias; Knepper, Thomas P. Photodegradation of sulfonamides and their N4- acetylated metabolites in water by simulated sunlight irradiation: Kinetics and identification of photoproducts. // <i>Environmental science and pollution research international</i> . <b>20</b> (2013) , 12; 8934-8946	2,757 (2013.)	IK
387.	Peternel, Igor; Kušić, Hrvoje; Marin, Vedrana; Koprivanac, Natalija. UV-assisted persulfate oxidation: the influence of cation type in persulfate salt on the degradation kinetic of azo dye pollutant. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>108</b> (2013) , 1; 17-39	0,983 (2013.)	KI
388.	Prkić, Ante; Giljanović, Josipa; Petričević, Sandra; Brkljača, Mia; Bralić, Marija. Determination of cadmium, chromium, copper, iron, lead, magnesium, manganese, potassium and zinc in mint tea leaves by electrothermal atomizer atomic absorption spectrometry in samples purchased at local supermarkets and marketplaces. // <i>Analytical letters</i> . <b>46</b> (2013) , 2; 367-378	1,019 (2013.)	IK
389.	Prlić Kardum, Jasna; Hrkovac, Martina; Leskovac, Mirela. Adjustment of process conditions in seeded batch cooling crystallization. // <i>Chemical engineering &amp; technology</i> . <b>36</b> (2013) , 8; 1347-1354	2,175 (2013.)	KI, IK
390.	Ptiček Siročić, Anita; Fijačko, Andrija; Hrnjak-Murgić, Zlata. Chemical recycling of postconsumer poly(ethylene-terephthalate) bottles-depolymerization study. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 65-71	0,911 (2013.)	KI, IK
391.	Ptiček Siročić, Anita; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Evaluation of compatibility in SAN/EPDM blends by determination of the adhesion parameters. // <i>Journal of adhesion science and technology</i> . <b>27</b> (2013) , 15; 1652-1665	1,153 (2013.)	KI, IK
392.	Ptiček Siročić, Anita; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. The surface energy as an indicator of miscibility of SAN/EPDM polymer blends. // <i>Journal of adhesion science and technology</i> . <b>27</b> (2013) , 24; 2615-2628	1,153 (2013.)	KI, IK
393.	Racané, Livio; Kraljević Pavelić, Sandra; Nhili, Raja; Depauw, Sabine; Paul-Constant, Charles; Ratkaj, Ivana; David-Cordonnier, Marie-Helene; Pavelić, Krešimir; Tralić-Kulenović, Vesna; Karminski-Zamola, Grace. New anticancer active and selective phenylene-bisbenzothiazoles : synthesis, antiproliferative evaluation and DNA binding. // <i>European journal of medicinal chemistry</i> . <b>63</b> (2013) ; 882-891	3,432 (2013.)	IK
394.	Ristić, Mira; Opačak, Ivana; Musić, Svetozar. The synthesis and microstructure of goethite particles precipitated in highly alkaline media. // <i>Journal of alloys and compounds</i> . <b>559</b> (2013) ; 49-56	2,726 (2013.)	IK
395.	Ristić, Mira; Fujii, Tatsuo; Hashimoto, Hideki; Opačak, Ivana; Musić, Svetozar. A novel route in the synthesis of magnetite nanoparticles. // <i>Materials letters</i> . <b>100</b> (2013) ; 93-97	2,269 (2013.)	IK
396.	Ristić, Mira; Musić, Svetozar; Popović, Stanko; Dragčević, Đurđica; Marcuiš, Marijan; Ivanda, Mile. Synthesis and long-term phase stability of Mn <sub>3</sub> O <sub>4</sub> nanoparticles. // <i>Journal of molecular structure</i> . <b>1044</b> (2013) ; 255-261	1,599 (2013.)	IK



397.	Ristić, Mira; Popović, Stanko; Ivanda, Mile; Musić, Svetozar. A simple route in the synthesis of CdS nanoparticles. // <i>Materials letters</i> . <b>109</b> (2013) ; 179-181	2,269 (2013.)	IK
398.	Ristić, Mira; Popović, Stanko; Musić, Svetozar. Formation of oxide phases in the system Pr-Fe-O. // <i>Croatica chemica acta</i> . <b>86</b> (2013) , 3; 281-285	0,556 (2013.)	IK
399.	Rogina, Anamarija; Ivanković, Marica; Ivanković, Hrvoje. Preparation and characterization of nano-hydroxyapatite within chitosan matrix. // <i>Materials Science and Engineering. C</i> . <b>33</b> (2013) , 8; 4539-4544	2,736 (2013.)	KI, IK
400.	Sakač, Nikola; Sak-Bosnar, Milan; Horvat, Marija. Direct potentiometric determination of starch using a platinum redox sensor. // <i>Food chemistry</i> . <b>138</b> (2013) , 1; 9-12	3,259 (2013.)	IK
401.	Sedjame, Henri-Joel; Lafaye, Gwendoline; Barbier, Jacques, Jr. N-butanol removal over alumina supported platinum catalysts. // <i>Applied catalysis B-Environmental</i> . <b>132</b> (2013) ; 132-141	6,007 (2013.)	KI
402.	Sironić, Andreja; Krajcar Bronić, Ines; Horvatinčić, Nada; Barešić, Jadranka; Obelić, Bogomil; Felja, Igor. Status report on the Zagreb radiocarbon laboratory - AMS and LSC results of VIRI intercomparison samples. // <i>Nuclear instruments and methods in physics research. Section B</i> . <b>294</b> (2013) ; 185-188	1,186 (2013.)	KI
403.	Sopčić, Suzana; Peter, Robert; Petravić, Mladen; Mandić, Zoran. New insights into the mechanism of pseudocapacitance deterioration in electrodeposited MnO <sub>2</sub> under negative potentials. // <i>Journal of power sources</i> . <b>240</b> (2013) ; 252-257	5,211 (2013.)	IK
404.	Sović, Irena; Pavlović, Gordana; Papadopoulos, G. Anastasios; Šišak, Dubravka; Karminski-Zamola; Grace. 2-substituted-1H-perimidines: synthesis, crystal structure and DFT calculations. // <i>Journal of molecular structure</i> . <b>1041</b> (2013) ; 156-163	1,599 (2013.)	IK
405.	Staniša, Branko; Ćurković, Lidija; Schauerperl, Zdravko. Analysis of deposited salts in the through-flow area of a 210 MW steam turbine. // <i>Materials testing</i> . <b>55</b> (2013) , 10; 743-747	0,273 (2013.)	IK
406.	Stolić, Ivana; Bajić, Miroslav; Matković-Čalogović, Dubravka. Effect of hydrogen bonding on the pyramidalization of the amino group : structure of 3, 4-diaminobenzamidine chloride. // <i>Croatica chemica acta</i> . <b>86</b> (2013) , 2; 193-199	0,556 (2013.)	IK
407.	Sučeska, Muhamed; Ang, How-Ghee; Chan, Hay Yee Serene. Study of the effect of covolumes in BKW equation of state on detonation properties of CHNO explosives. // <i>Propellants, explosives, pyrotechnics</i> . <b>38</b> (2013) , 1; 103-112	1,497 (2013.)	KI
408.	Sudar, Martina; Valinger, Davor; Findrik, Zvezdana; Vasić-Rački, Đurđa; Kurtanjek, Želimir. Effect of different variables on the efficiency of the baker's yeast cell disruption process to obtain alcohol dehydrogenase activity. // <i>Applied biochemistry and biotechnology</i> . <b>169</b> (2013) , 3; 1039-1055	1,687 (2013.)	KI
409.	Sudar, Martina; Findrik, Zvezdana; Vasić- Rački, Đurđa; Clapés, Pere; Lozano, Carles. Mathematical model for aldol addition catalyzed by two D-fructose-6-phosphate aldolases variants overexpressed in E. coli. // <i>Journal of biotechnology</i> . <b>167</b> (2013) , 3; 191-200	2,884 (2013.)	KI

410.	Sudar, Martina; Findrik Zvezdana; Vasić-Rački, Đurđa; Clapés, Pere; Lozano, Carles. Aldol addition of dihydroxyacetone to N-Cbz-3- aminopropanal catalyzed by two aldolases variants in microreactors. // <i>Enzyme and microbial technology</i> . <b>53</b> (2013), 1; 38-45	2,966 (2013.)	KI
411.	Šaban, Nina; Stepanić Višnja; Vučinić, Srđan; Horvatić, Anita; Cindrić, Mario; Perković, Ivana; Zorc, Branka; Oršolić, Nada; Mintas, Mladen; Pavelić, Krešimir; Kraljević Pavelić, Sandra. Antitumor mechanisms of amino acid hydroxyurea derivatives in the metastatic colon cancer model. // <i>International journal of molecular sciences</i> . <b>14</b> (2013), 12; 23654-23671	2,339 (2013.)	IK
412.	Šalić, Anita; Pindrić, Katarina; Zelić, Bruno. Bioproduction of food additives hexanal and hexanoic acid in a microreactor. // <i>Applied biochemistry and biotechnology</i> . <b>171</b> (2013), 8; 2273-2284	1,687 (2013.)	KI, IK
413.	Šalić, Anita; Pindrić Katarina; Hojnik Podrepšek, Gordana; Leitgeb, Maja; Zelić, Bruno. NADH oxidation in a microreactor catalyzed by ADH immobilized on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. // <i>Green processing and synthesis</i> . <b>2</b> (2013), 6; 569-578	1,125 (2014.)	KI, IK
414.	Šalić, Anita; Ivanković, Mia; Ferik, Elvira; Zelić, Bruno. ADH based NAD <sup>+</sup> regeneration in a microreactor. // <i>Journal of chemical technology and biotechnology</i> . <b>88</b> (2013), 9; 1721-1729	2,494 (2013.)	KI, IK
415.	Šalić, Anita; Faletar, Petra; Zelić, Bruno. NAD <sup>+</sup> regeneration in a microreactor using permeabilized baker's yeast cells. // <i>Biochemical engineering journal</i> . <b>77</b> (2013); 88-96	2,368 (2013.)	KI, IK
416.	Ščetar, Mario; Ptiček Siročić, Anita; Hrnjak-Murđić, Zlata; Galić, Kata. Preparation and properties of low density polyethylene film modified by zeolite and nanoclay. // <i>Polymer-plastics technology and engineering</i> . <b>52</b> (2013), 15; 1611-1620	1,481 (2012.)	KI, IK
417.	Šipušić, Juraj; Ukrainczyk, Neven; Vrbos, Nevenka. Compressive strength of calcium aluminate mortar determined by ultrasonic non-destructive test method. // <i>Advances in cement research</i> . <b>25</b> (2013), 3; 143-154	0,486 (2013.)	KI, IK
418.	Škalamera, Đani; Mlinarić-Majerski, Kata; Uzelac, Lidija; Kralj, Marijeta; Wan, Peter; Basarić, Nikola. Photosolvolytic of bulky (4- hydroxyphenyl)naphthalene derivatives. // <i>Photochemical &amp; photobiological sciences</i> . <b>12</b> (2013); 2043-2056	2,939 (2013.)	IK
419.	Štajdohar, Jasenka; Ristić, Mira; Musić, Svetozar. The effect of experimental conditions on the microstructure of hematite particles precipitated by the forced hydrolysis of FeCl <sub>3</sub> solutions. // <i>Journal of molecular structure</i> . <b>1044</b> (2013), SI; 290-298	1,599 (2013.)	IK
420.	Švarc, Aneta; Ukić, Šime; Radojević Lacković, Sandra; Đuričić, Biljana; Novak, Mirjana; Bolanča, Tomislav. Influence of ultrasonic and microwave irradiation on cation exchange properties of clay material. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013), 1; 29-35	0,911 (2013.)	IK
421.	Ujević Bošnjak, Magdalena; Casiot, Corinne; Duić, Željko; Fazinić, Stjepko; Halamić, Josip; Sipos, Laszlo; Santo, Vera; Dadić, Željko. Sediment characterization and its implications for arsenic mobilization in deep aquifers of eastern Croatia. // <i>Journal of geochemical exploration</i> . <b>126-127</b> (2013); 55-66	2,432 (2013.)	IK
422.	Ukić, Šime; Dimić, Petra; Šiljeg, Mario; Ujević Bošnjak, Magdalena; Šipušić, Juraj; Bolanča, Tomislav. Manganese waste mud immobilization in cement – natural zeolite – lime blend: Process optimization using artificial neural networks and multi-criteria functions. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>44</b> (2013), 4; 273-281	0,433 (2013.)	KI, IK

423.	Ukić, Šime; Rogošić, Marko; Novak, Mirjana; Šimović, Ena; Tišler, Vesna; Bolanča, Tomislav. Optimization of IC separation based on isocratic- to-gradient retention modeling in combination with sequential searching or evolutionary algorithm. // <i>Journal of analytical methods in chemistry</i> . (2013) ; 549729-1-549729-11; Article ID 549729	0,948 (2013.)	IK
424.	Ukrainczyk, Neven; Franković Mihelj, Nirvana; Šipušić, Juraj. Calcium Sulfoaluminate eco-cement from industrial waste. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 83-93	0,911 (2013.)	KI, IK
425.	Veljković, Jelena; Antol, Ivana; Basarić, Nikola; Smrečki, Vilko; Molčanov, Krešimir; Müller, Norbert; Mlinarić-Majerski, Kata. Atropisomerism in 1-(2-Adamantyl)naphthalene derivatives. // <i>Journal of molecular structure</i> . <b>1046</b> (2013) ; 101-109	1,599 (2013.)	IK
426.	Vranješ Penava, Nina; Rek, Vesna; Fiamengo Houra, Ivona. Effect of EPDM as a compatibilizer on mechanical properties and morphology of PP/LDPE blends. // <i>Journal of elastomers and plastics</i> . <b>45</b> (2013) , 4; 391-403	0,714 (2013.)	KI
427.	Vrsalović Presečki, Ana; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Mathematical modeling of maize starch liquefaction catalyzed by alpha-amylases from <i>Bacillus licheniformis</i> - effect of calcium, pH and temperature. // <i>Bioprocess and biosystems engineering</i> . <b>36</b> (2013) , 1; 117-126	1,823 (2013.)	KI
428.	Vrsalović Presečki, Ana; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Complete starch hydrolysis by the synergistic action of amylase and glucoamylase: impact of calcium ions. // <i>Bioprocess and biosystems engineering</i> . <b>36</b> (2013) , 11; 1555-1562	1,823 (2013.)	KI
429.	Vuk, Dragana; Potroško, Dalia; Šindler-Kulyk, Marija; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Škorić, Irena. Synthesis and photochemical transformations of new butadiene chromophores: the influence of the nature and position of chlorine substituent on the photoinduced behavior. // <i>Journal of molecular structure</i> . <b>1051</b> (2013) ; 1-14	1,599 (2013.)	IK
430.	Vuković Domanovac, Marija; Ćosić, Ivana; Sojčić, Martina; Briški, Felicita. Treatment of tobacco dust leachate by activated sludge - evaluation of biokinetic parameters. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 51-56	0,911 (2013.)	KI
431.	Weitner, Tin; Kos, Ivan; Mandić, Zoran; Batinić-Haberle, Ines; Biruš, Mladen. Acid-base and electrochemical properties of manganese meso(ortho- and meta-N-ethylpyridyl)porphyrins: voltammetric and chronocoulometric study of protolytic and redox equilibria. // <i>Dalton transactions</i> . <b>42</b> (2013) , 41; 14757-14765	4,097 (2013.)	IK
432.	Wittine, Karlo; Poljak, Kristina; Kovač, Matea; Makuc, Damjan; Plavec, Janez; Balzarini, Jan; Martinović, Tamara; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Mintas, Mladen. The novel [4, 5-e][1, 3]Diazepine-4, 8-dione and acyclic carbamoyl imino-ureido derivatives of imidazole: synthesis, anti-viral and anti-tumor activity evaluations. // <i>Molecules</i> . <b>18</b> (2013) , 11; 13385-13397	2,095 (2013.)	IK
433.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High shear granulation of dolomite - I : Effect of shear regime on process kinetics. // <i>Chemical engineering research &amp; design</i> . <b>91</b> (2013) , 1; 70-86	2,281 (2013.)	KI
434.	Aleksić, Maja; Bertoša, Branimir; Nhili, Raja; Depauw, Sabine; Martin-Kleiner, Irena; David-Cordonnier, Marie-Helene; Tomić, Sanja; Kralj, Marijeta; Karminski-Zamola, Grace. Anilides and quinolones with nitrogen-bearing substituents from benzothiophene- and thienothiophene- series: synthesis, photochemical synthesis, cytostatic evaluation, 3D-derived QSAR analysis and DNA-binding properties. // <i>European journal of medicinal chemistry</i> . <b>71</b> (2014) ; 267-281	3,447 (2014.)	IK

435.	Alešković, Marija; Basarić, Nikola; Došlić, Nađa; Tomišić, Vladislav; Mlinarić-Majerski, Kata. HSO <sub>4</sub> <sup>-</sup> sensing based on proton transfer in H-bonding complexes. // <i>Supramolecular chemistry</i> . <b>26</b> (2014), 10/12; 850-855	2,394 (2014.)	IK
436.	Ašperger, Danijela; Ćurković, Lidija; Horvat, Alka J. M.; Kaštelan-Macan, Marija. Optimization condition for thin-layer identification of bronzes after anodic sampling. // <i>JPC. Journal of planar chromatography, modern TLC</i> . <b>27</b> (2014), 2; 84-87	0,670 (2013.)	IK
437.	Ašperger, Danijela; Tišler, Vesna; Zrnčić, Mirta; Mutavdžić Pavlović, Dragana; Babić, Sandra; Horvat, Alka J. M.; Kaštelan-Macan, Marija. HPLC-DAD-FLD Determination of veterinary pharmaceuticals in pharmaceutical industry wastewater with precolumn derivatization using fluoescamine. // <i>Chromatographia</i> . <b>77</b> (2014); 1059-1066	1,411 (2014.)	IK
438.	Baranašić, Damir; Žučko, Jurica; Diminić, Janko; Gačeša, Ranko; Long, Paul F.; Cullum, John; Hranueli, Daslav; Starčević, Antonio. Predicting substrate specificity of adenylation domains of nonribosomal peptide synthetases and other protein properties by latent semantic indexing. // <i>Journal of industrial microbiology &amp; biotechnology</i> . <b>41</b> (2014), 2; 461-467	2,439 (2014.)	IK
439.	Basarić, Nikola; Mlinarić-Majerski, Kata; Kralj, Marijeta. Quinone methides: photochemical generation and its application in biomedicine. // <i>Current organic chemistry</i> . <b>18</b> (2014), 1; 3-18	2,157 (2014.)	IK
440.	Basarić, Nikola; Sohora, Margareta; Cindro, Nikola; Mlinarić-Majerski, Kata; De Clercq, Erik; Balzarini, Jan. Antiproliferative and Antiviral Activity of Three Libraries of Adamantane Derivatives. // <i>Archiv der pharmazie</i> . <b>347</b> (2014); 334-340	1,531 (2014.)	IK
441.	Bolanča, Tomislav; Ukić, Šime; Novak, Mirjana; Rogošić, Marko. Computer assisted method development in liquid chromatography. // <i>Croatica chemica acta</i> . <b>87</b> (2014), 2; 111-122	0,728 (2014.)	IK
442.	Bolanča, Tomislav; Ukić, Šime; Peternel, Igor; Kušić, Hrvoje; Lončarić Božić, Ana. Artificial neural network models for advanced oxidation of organics in water matrix - Comparison of applied methodologies. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014); 21-29	0,513 (2014.)	IK
443.	Bošković, Perica; Sokol, Vesna; Prkić, Ante; Giljanović, Josipa. Conductometric study of sodium chloride in aqueous 2- methylpropan-2-ol of mass fraction 0.10, 0.30, 0.50, 0.70, 0.80 and 0.90. // <i>International journal of electrochemical science</i> . <b>9</b> (2014), 7; 3574-3587	1,500 (2014.)	IK
444.	Bralić, Marija; Buzuk, Marijo; Buljac, Maša; Brinić, Slobodan. Potentiometric studies on chemically and electrochemically prepared Sulfide active materials for determination of Copper(II). // <i>International journal of electrochemical science</i> . <b>9</b> (2014); 4854-4865	1,500 (2014.)	IK
445.	Buljac, Maša; Bogner, Danijela; Bralić, Marija; Periš, Nenad; Buzuk, Marijo; Brinić, Slobodan; Vladislavić, Nives. Cadmium and lead distribution in marine soil sediments, terrestrial soil, terrestrial rock, and atmospheric particulate matter around Split, Croatia. // <i>Analytical letters</i> . <b>47</b> (2014), 11; 1952-1964	1,030 (2014.)	IK
446.	Buscaglia, Vincenzo; Tripathi, Saurabh; Petkov, Valeri; Dapiaggi, Monica; Deluca, Marco; Gajović, Andreja; Ren, Yang. Average and local atomic-scale structure in BaZrxTi1-xO3 (x=0.10, 0.20, 0.40) ceramics by high-energy x-ray diffraction and Raman spectroscopy. // <i>Journal of Physics : condensed matter</i> . <b>26</b> (2014); 065901-1-065901-13	2,346 (2014.)	IK
447.	Cukrov, Neven; Frančišković-Bilinski, Stanislav; Bogner, Danijela. Metal contamination recorded in the sediment of the semi-closed Bakar Bay (Croatia). // <i>Environmental geochemistry and health</i> . <b>36</b> (2014), 2; 195-208	2,566 (2014.)	IK

448.	Ćurković, Lidija; Bolanča, Tomislav; Šiljeg, Mario; Foglar, Lucija. The kinetic modelling of Fe <sup>3+</sup> ion uptake by zeolite from water. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014) ; 56-62	0,513 (2014.)	IK
449.	Ćurković, Lidija; Ljubas, Davor; Šegota, Suzana; Bačić, Ivana. Photocatalytic degradation of Lissamine Green B dye by using nanostructured sol-gel TiO <sub>2</sub> films. // <i>Journal of alloys and compounds</i> . <b>604</b> (2014) ; 309-316	2,999 (2014.)	IK
450.	Dautović, Jelena; Fiket, Željka; Barešić, Jadranka; Ahel, Marijan; Mikac, Nevenka. Sources, distribution and behavior of major and trace elements in a complex karst lake system. // <i>Aquatic geochemistry</i> . <b>20</b> (2014) , 1; 19-38	1,228 (2014.)	KI
451.	Deplaine, Harmony; Acosta-Santamaria, Victor A.; Vidaurre, Ana; Gomez Ribelles, Jose Luis; Doblare, Manuel; Ochoa, Ignacio; Gallego Ferrer, Gloria. Evolution of the properties of a poly(L-lactic acid) scaffold with double porosity during in vitro degradation in a phosphate-buffered saline solution. // <i>Journal of applied polymer science</i> . <b>131</b> (2014) ; Article number: 40956	1,768 (2014.)	IK
452.	Diminić, Janko; Starčević, Antonio; Lisfi, Mohamed; Baranašić, Damir; Gačeša, Ranko; Hranueli, Daslav; Long, Paul F.; Cullum, John, Žučko, Jurica. Evolutionary concepts in natural products discovery: what actinomycetes have taught us. // <i>Journal of industrial microbiology &amp; biotechnology</i> . <b>41</b> (2014) , 2; 211-217	2,439 (2014.)	IK
453.	Djaković, Senka; Kodrin, Ivan; Smrečki, Vilko; Novak, Predrag; Mihalić, Zlatko; Žiher, Dinko; Lapić, Jasmina; Rapić, Vladimir. 1'-acetylferrocene amino acid esters and amides. a simple model for parallel beta-helical peptides. // <i>Tetrahedron</i> . <b>70</b> (2014) , 14; 2330-2342	2,641 (2014.)	IK
454.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir. Mass transfer of differently sized organic solutes at spacer covered and permeable nanofiltration wall. // <i>Chemical engineering journal</i> . <b>244</b> (2014) ; 152-159	4,321 (2014.)	IK
455.	Dražević, Emil; Košutić, Krešimir; Freger, Viatcheslav. Permeability and selectivity of reverse osmosis membranes: Correlation to swelling revisited. // <i>Water research</i> . <b>49</b> (2014) ; 444-452	5,528 (2014.)	IK
456.	Dražević, Emil; Košutić, Krešimir; Kolev, Vesselin; Freger, Viatcheslav. Does hindered transport theory apply to desalination membranes?. // <i>Environmental science &amp; technology</i> . <b>48</b> (2014) , 19; 11471-11478	5,330 (2014.)	IK
457.	Faraguna, Fabio; Peter, Robert; Volovšek, Vesna; Jukić, Ante. Synthesis and characterization of alkyl ester functionalized multiwall carbon nanotubes. // <i>Journal of nanoscience and nanotechnology</i> . <b>14</b> (2014) , 8; 6347-6354	1,556 (2014.)	IK
458.	Findrik, Zvezdana; Valentović, Ivana; Vasić- Rački, Đurđa. A mathematical model of oxidative deamination of amino acid catalyzed by two D-amino acid oxidases and influence of aeration on enzyme stability. // <i>Applied biochemistry and biotechnology</i> . <b>172</b> (2014) , 6; 3092-3105	1,735 (2014.)	KI
459.	Fischer, Dennis; Klapötke, Thomas; Reymann, Marius; Schmid, Philipp C.; Stierstorfer, Jörg; Sućeska, Muhamed. Synthesis of 5-(1H-tetrazolyl)-1-hydroxy-tetrazole and energetically relevant nitrogen-rich ionic derivatives. // <i>Propellants, explosives, pyrotechnics</i> . <b>39</b> (2014) , 4; 550-557	1,604 (2014.)	KI
460.	Galović, Olivera; Samardžić, Mirela; Petrušić, Sanja; Sak-Bosnar, Milan. A new sensing material for the potentiometric determination of anionic surfactants in commercial products. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 7; 3802-3818	1,500 (2014.)	IK

461.	Gazivoda Kraljević, Tatjana; Ilić, Nataša; Stepanić, Višnja; Sappe, Lana; Petranović, Jasna; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Synthesis and in vitro antiproliferative evaluation of novel N-alkylated 6-isobutyl- and propyl pyrimidine derivatives. // <i>Bioorganic &amp; Medicinal Chemistry Letters</i> . <b>24</b> (2014), 13; 2913-2917	2,420 (2014.)	IK
462.	Grčić, Ivana; Papić, Sanja; Mesec, Danijela; Koprivanac, Natalija; Vujević, Dinko. The kinetics and efficiency of UV assisted advanced oxidation of various types of commercial organic dyes in water. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>273</b> (2014); 49-58	2,495 (2014.)	KI, IK
463.	Gudić, Senka; Oguzie, E. Emeka; Radonić, Ani; Vrsalović, Ladislav; Smoljko, Ivana; Kliškić, Maja. Inhibition of copper corrosion in chloride solution by caffeine isolated from black tea. // <i>Macedonian journal of chemistry and chemical engineering</i> . <b>33</b> (2014), 1; 13-25	0,533 (2014.)	IK
464.	Guerzoni, Samuele; Deplaine, Harmony; El Haskouri, Jamal; Amoros, Pedro; Monleon Pradas, Manuel; Edlund, Ulrica; Gallego Ferrer, Gloria. Combination of silica nanoparticles with hydroxyapatite reinforces poly (L-lactide acid) scaffolds without loss of bioactivity. // <i>Journal of bioactive and compatible polymers</i> . <b>29</b> (2014); 15-31	2,352 (2014.)	IK
465.	Horvatinčić, Nada; Sironić, Andreja; Barešić, Jadranka; Krajcar Bronić, Ines; Todorović, Nataša; Nikolov, Jovana; Hansman, Jan; Krmar, Miodrag. Isotope analyses of the lake sediments in the Plitvice Lakes, Croatia. // <i>Central european journal of physics</i> . <b>12</b> (2014), 10; 707-713	1,085 (2014.)	KI
466.	Jednačak, Tomislav; Novak, Predrag; Hodžić, Aden; Scheibelhofer, Otto; Khinast, Johannes G.; Plavec, Janez; Šket, Primož; Parlov Vuković, Jelena. Condensation reaction between carbonylhydrazide and salicylaldehyde: in-line vibrational spectroscopy monitoring and characterization of the reaction products in solution and solid state. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014), 1; 161-169	0,686 (2014.)	IK
467.	Jednačak, Tomislav; Hodzic, Aden; Scheibelhofer, Otto; Marijan, Marijan; Khinast, Johannes G.; Novak, Predrag. Fast real-time monitoring of entacapone crystallization and characterization of polymorphs via Raman spectroscopy, statistics and SWAXS. // <i>Acta pharmaceutica</i> . <b>64</b> (2014), 1; 1-13	0,912 (2014.)	IK
468.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Lončarić Božić, Ana. Modeling of photooxidative degradation of aromatics in water matrix; combination of mechanistic and structural-relationship approach. // <i>Chemical engineering journal</i> . <b>257</b> (2014); 229-241	4,321 (2014.)	IK
469.	Juretić, Daria; Purić, Jelena; Kušić, Hrvoje; Marin, Vedrana; Lončarić Božić, Ana. Structural influence on photooxidative degradation of halogenated phenols. // <i>Water, air and soil pollution</i> . <b>225</b> (2014), 2143; 1-18	1,554 (2014.)	IK
470.	Jurić, Antonija; Prkić, Ante; Giljanović, Josipa; Brkljača, Mia; Sokol, Vesna; Bošković, Perica; Vukušić, Tina. Determination of total fluoride content in teas by using fluoride ion-selective electrode. // <i>International journal of electrochemical science</i> . <b>9</b> (2014), 10; 5409-5415	1,500 (2014.)	IK
471.	Kalinski, Ivana; Juretić, Daria; Kušić, Hrvoje; Peternel, Igor; Lončarić Božić, Ana. Structural aspects of degradation of sulfoaromatics by UV/H <sub>2</sub> O <sub>2</sub> process. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>293</b> (2014); 1-11	2,495 (2014.)	IK
472.	Kaluža, Leon; Šuštaršič, Matej; Rutar, Vera; Zupančič, Gregor Drago. The re-use of Waste-Activated Sludge as part of a "zero-sludge" strategy for wastewater treatments in the pulp and paper industry. // <i>Bioresource technology</i> . <b>151</b> (2014); 137-143	4,494 (2014.)	KI
473.	Kassal, Petar; Šurina, Robert; Vrsaljko, Domagoj; Murković Steinberg, Ivana. Hybrid sol-gel thin films doped with a pH indicator: Effect of organic modification on optical pH response and surface hydrophobicity. // <i>Journal of sol-gel science and technology</i> . <b>69</b> (2014), 3; 586-595	1,532 (2014.)	IK

474.	Katančić, Zvonimir; Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Grozdanić, Vedrana; Hrnjak-Murđić, Zlata. Effect of modified nanofillers on fire retarded HDPE/Wood composites. // <i>Journal of composite materials</i> . <b>48</b> (2014) , 30; 3771-3783	1,173 (2014.)	KI, IK
475.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murđić, Zlata. Flammability and thermal properties of zeolite filled high-impact polystyrene composites. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 14; 1487-1493	1,481 (2012.)	KI, IK
476.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murđić, Zlata; Jelenčić, Jasenka. Thermal decomposition of fire-retarded high-impact polystyrene and high-impact polystyrene/ethylene-vinyl acetate blend nanocomposites followed by thermal analysis. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 3; 233-252	0,773 (2014.)	KI, IK
477.	Katić, Jozefina; Metikoš-Huković, Mirjana. Correlation between electronic and corrosion properties of the passive oxide film on Nitinol. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 350-356	0,686 (2014.)	IK
478.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Synthesis and characterization of calcium phosphate coatings on Nitinol. // <i>Journal of applied electrochemistry</i> . <b>44</b> (2014) , 1; 87-96	2,409 (2014.)	IK
479.	Katić, Jozefina; Metikoš-Huković, Mirjana; Škapin, Srečo Davor; Petravić, Mladen; Varašanec, Marijana. The potential-assisted deposition as valuable tool for producing functional apatite coatings on metallic materials. // <i>Electrochimica acta</i> . <b>127</b> (2014) ; 173-179	4,504 (2014.)	IK
480.	Katić, Višnja; Ćurković, Lidija; Ujević Bošnjak, Magdalena; Špalj, Stjepan. Determination of corrosion rate of orthodontic wires based on nickel-titanium alloy in artificial saliva. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>45</b> (2014) , 2; 99-105	0,425 (2014.)	IK
481.	Katić, Višnja; Otmačić Ćurković, Helena; Semenski, Damir; Baršić, Gorana; Marušić, Katarina; Špalj, Stjepan. Influence of surface layer on mechanical and corrosion properties of nickel-titanium orthodontic wires. // <i>Angle orthodontist</i> . <b>84</b> (2014) , 6; 1041-1048	1,225 (2014.)	IK
482.	Keav, Sylvain; de los Monteros, Alejandra Espinosa; Barbier, Jacques, Jr.; Duprez, Daniel. Wet air oxidation of phenol over Pt and Ru catalysts supported on cerium-based oxides: Resistance to fouling and kinetic modelling. // <i>Applied catalysis B-Environmental</i> . <b>150</b> (2014) ; 402-410	7,435 (2014.)	KI
483.	Kereković, Irena; Milardović, Stjepan; Palčić, Marina; Grabarić, Zorana. Characterization of cysteamine self assembled on gold functionalized with nitrilotriacetic acid and evaluation of copper(II) binding capacity with adsorption transfer stripping voltammetry. // <i>Journal of electroanalytical chemistry</i> . <b>724</b> (2014) ; 103-110	2,729 (2014.)	IK
484.	Kettner, Marcos A.; Klapötke, Thomas; Müller, Thomas G.; Sućeska, Muhamed. Contributions to the chemistry of N-methylnitramine: crystal structure, synthesis of nitrogen-rich salts, and reactions towards 2-nitro-2-azapropyl derivatives. // <i>European journal of inorganic chemistry</i> . <b>2014</b> (2014) , 28; 4756-4771	2,942 (2014.)	KI
485.	Kettner, Marcos; Karaghiosoff, Konstantin; Klapötke, Thomas; Sućeska, Muhamed; Wunder, Svetlana. 3, 3'-Bi(1, 2, 4-oxadiazoles) featuring the fluorodinitromethyl and trinitromethyl groups. // <i>Chemistry - A European Journal</i> . <b>20</b> (2014) , 2; 1-11	5,731 (2014.)	KI
486.	Klapötke, Thomas; Krumm, Burkhard; Rest, Sebastian; Sućeska, Muhamed. Polynitro containing energetic materials based on carbonyldiisocyanate and 2, 2-dinitropropane-1, 3-diol. // <i>Zeitschrift für anorganische und allgemeine Chemie</i> . <b>640</b> (2014) , 1; 84-92	1,160 (2014.)	KI

487.	Klapötke, Tomas; Krumm, Burkhard; Moll, Richard; Rest, Sebastian; Sućeska, Muhamed. Fluorodinitroethyl ortho-carbonate and -formate as potential high energy dense oxidizers. // <i>Zeitschrift für Naturforschung B</i> . <b>69B</b> (2014) , 1; 8-16	0,744 (2014.)	KI
488.	Klarić, Eva; Rakić, Mario; Marciuš, Marijan; Ristić, Mira; Sever, Ivan; Tarle, Zrinka. Optical effects of experimental light-activated bleaching procedures. // <i>Photomedicine and laser surgery</i> . <b>32</b> (2014) , 3; 160-167	1,672 (2014.)	IK
489.	Kopčić, Nina; Vuković Domanovac, Marija; Kučić, Dajana; Briški, Felicita. Evaluation of laboratory-scale in-vessel co-composting of tobacco and apple waste. // <i>Waste management</i> . <b>34</b> (2014) , 2; 323-328	3,220 (2014.)	KI
490.	Kosović, Marin; Gamulin, Ozren; Balarin, Maja; Ivanda, Mile; Đerek, Vedran; Ristić, Davor; Marciuš, Marijan; Ristić, Mira. Phonon confinement effects in Raman spectra of porous silicon at non-resonant excitation condition. // <i>Journal of Raman spectroscopy</i> . <b>45</b> (2014) , 6; 470-475	2,671 (2014.)	IK
491.	Kralik, Gordana; Sak-Bosnar, Milan; Kralik, Zlata; Galović, Olivera. Effect of beta-alanine dietary supplementatiton on concentration of carnosine and quality of broiler muscle tissue. // <i>Journal of poultry science</i> . <b>51</b> (2014) , 2; 151-156	0,802 (2014.)	IK
492.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Ptiček Siročić, Anita; Hrnjak-Murgić, Zlata. Weathering of high density polyethylene-wood plastic composites. // <i>Journal of wood chemistry and technology</i> . <b>34</b> (2014) , 1; 39-54	1,588 (2014.)	KI, IK
493.	Kurajica, Stanislav; Popović, Jasminka; Gazivoda, Tatjana; Tkalčec Čižmek, Emilija; Simčić, Ivan; Mandić, Vilko; Altomare, Angela; Moliterni, Anna; Rocquefelte, Xavier. A structural investigation of tris(ethyl acetoacetate)aluminium (III). // <i>Journal of sol-gel science and technology</i> . <b>71</b> (2014) ; 217-223	1,532 (2014.)	IK
494.	Kurajica, Stanislav; Škorić, Irena; Lozić, Iva; Mandić, Vilko. Ethyl acetoacetate ligand distribution in the course of titanium n-butoxide chelation. // <i>Materials chemistry and physics</i> . <b>147</b> (2014) , 3; 1058-1067	2,259 (2014.)	IK
495.	Magdić, Katja; Kvastek, Krešimir; Horvat-Radošević, Višnja. Impedance of electrochemically modified graphite. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) , 2; 366-375	0,686 (2014.)	IK
496.	Magdić, Katja; Kvastek, Krešimir; Horvat-Radošević, Višnja. Concept of spatial surface heterogeneity in impedance modelling of electrochemically activated glass-like carbon electrode. // <i>Electrochimica acta</i> . <b>117</b> (2014) ; 310-321	4,504 (2014.)	IK
497.	Majić Renjo, Marijana; Ćurković, Lidija; Štefančić, Sanja; Ćorić, Danko. Indentation size effect of Y-TZP dental ceramics. // <i>Dental materials</i> . <b>30</b> (2014) , 12; e371-e376	3,769 (2014.)	IK
498.	Majić Renjo, Marijana; Rede, Vera; Ćurković, Lidija. Reverse indentation size effect of a duplex steel. // <i>Kovové materiály</i> . <b>52</b> (2014) , 5; 299-304	0,406 (2014.)	IK
499.	Majić Renjo, Marijana; Ćurković, Lidija; Ćorić, Danko. Influence on surface roughness of alumina ceramics on indentation size. // <i>Materials testing</i> . <b>56</b> (2014) , 1; 32-39	0,335 (2014.)	IK



500.	Mandić, Vilko; Tkalčec Čižmek, Emilija; Kurajica, Stanislav. The effect of La2O3 addition on sol-gel derived mullitization. // <i>Journal of the American ceramic society</i> . <b>97</b> (2014) , 7; 2264-2271	2,610 (2014.)	IK
501.	Manzano, Sara; Poveda-Reyes, Sara; Gallego Ferrer, Gloria; Ochoa, Ignacio; Hamdy Doweidar, Mohamed. Computational analysis of cartilage implants based on an interpenetrated polymer network for tissue repairing. // <i>Computer methods and programs in biomedicine</i> . <b>116</b> (2014) ; 249-259	1,897 (2014.)	IK
502.	Marović, Danijela; Tarle, Zrinka; Hiller Karl- Anton; Mueller Rainer; Ristić, Mira; Rosentritt, Martin; Škrtić, Drago; Schmalz, Gottfried. Effect of silanized nanosilica addition on remineralizing and mechanical properties of experimental composite materials with amorphous calcium phosphate. // <i>Clinical oral investigations</i> . <b>18</b> (2014) , 3; 783-792	2,352 (2014.)	IK
503.	Marušić, Katarina; Hajdari, Zana; Otmačić Ćurković, Helena. Optimizing the preparation procedure of self- assembled monolayer of stearic acid for protection of cupronickel alloy. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 328-339	0,686 (2014.)	IK
504.	Mastelić Samardžić, Zrinka; Jelčić, Želimir; Zrnčević, Stanka. Kinetics and mass transfer in the hydrogenation of 2-((1-benzyl-1, 2, 3, 6-tetrahydropyridin-4-yl)methylene)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride over Pt/C catalyst. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 437-445	0,802 (2014.)	KI
505.	Mašek, Tomislav; Krstulović, Luka; Brozić, Diana; Vranić, Marina; Maurić, Maja; Bajić, Miroslav; Starčević, Kristina. Cow colostrum and early milk enriched with eicosapentaenoic and docosahexaenoic fatty acid. // <i>European food research and technology</i> . <b>238</b> (2014) , 4; 635-640	1,559 (2014.)	IK
506.	Milovac, Dajana; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: Morphology, mechanical properties and bioactivity. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>34</b> (2014) ; 437-445	3,088 (2014.)	KI, IK
507.	Milovac, Dajana; Gamboa-Martínez Tatiana C.; Ivanković, Marica; Gallego Ferrer, Gloria; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: in vitro cell culture studies. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 264-272	3,088 (2014.)	KI, IK
508.	Milovac, Nikolina; Juretić, Daria; Kušić, Hrvoje; Đermadi, Jasna; Lončarić Božić, Ana. Photooxidative degradation of aromatic carboxylic acids in water ; influence of hydroxyl substituents. // <i>Industrial &amp; Engineering Chemistry Research</i> . <b>53</b> (2014) , 26; 10590-10598	2,587 (2014.)	IK
509.	Mutavdžić Pavlović, Dragana; Ćurković, Lidija; Blažek, Dijana; Župan, Josip. The sorption of sulfamethazine on soil samples: Isotherms and error analysis. // <i>Science of the total environment</i> . <b>497-498</b> (2014) ; 543-552	4,099 (2014.)	IK
510.	Mužek, Mario Nikola; Svilović, Sandra; Zelić, Jelica. Fly ash-based geopolymers adsorbent for copper ion removal from wastewater. // <i>Desalination and water treatment</i> . <b>52</b> (2014) , 13/15; 2519-2526	1,173 (2014.)	KI
511.	Neto, Ana I.; Cibrao, Ana C.; Correia, Clara R.; Carvalho, Rita R.; Luz, Gisela M.; Ferrer, Gloria G.; Botelho, Gabriela; Picart, Catherine; Alves, Natalia M.; Mano, Joao F. Nanostructured polymeric coatings based on chitosan and dopamine-modified hyaluronic acid for biomedical applications. // <i>Small</i> . <b>10</b> (2014) 2459-2469	8,368 (2014.)	IK
512.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Effect of polymer modifiers on the properties of bitumen. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 5; 448-469	0,773 (2014.)	KI

513.	Očelić Bulatović, Vesna; Rek, Vesna; Marković, Josipa. Rheological properties of bitumen modified with ethylene butylacrylate glycidylmethacrylate. // <i>Polymer engineering and science</i> . <b>54</b> (2014) , 5; 1056-1065	1,520 (2014.)	KI
514.	Palčić, Marina; Milardović, Stjepan; Kereković, Irena; Grabarić, Zorana. Application of nitrilotriacetic acid modified gold electrode for determination of lead in natural waters with differential pulse adsorptive cathodic stripping voltammetry. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 7; 3701-3714	1,500 (2014.)	IK
515.	Papić, Sanja; Peternel, Igor; Krevzelj, Željko; Kušić, Hrvoje; Koprivanac, Natalija. Advanced oxidation of an azo dye and its synthesis intermediates in aqueous solution: effect of Fenton treatment on mineralization, biodegradability and toxicity. // <i>Environmental Engineering and Management Journal</i> . <b>13</b> (2014) , 10; 2561-2571	1,065 (2014.)	KI, IK
516.	Perin, Nataša; Nhili, Raja; Ester, Katja; Laine, William; Karminski-Zamola, Grace; Kralj, Marijeta; David-Cordonnier, Marie-Héle`ne; Hranjec, Marijana. Synthesis, antiproliferative activity and DNA binding properties of novel 5-aminobenzimidazo[1,2-a]quinoline-6-carbonitriles. // <i>European journal of medicinal chemistry</i> . <b>80</b> (2014) ; 218-227	3,447 (2014.)	IK
517.	Periša, Martina; Babić, Sandra. Simultaneous determination of pharmaceuticals and some of their metabolites in wastewaters by high performance liquid chromatography-tandem mass spectrometry. // <i>Journal of separation science</i> . <b>37</b> (2014.) ; 1289-1296	2,737 (2014.)	IK
518.	Petravić, Mladen; Varašanec, Marijana; Peter, R; Kavre, I; Metikoš-Huković, Mirjana; Yang, Y.-W. Electronic structure of nitinol surfaces oxidized by low-energy ion bombardment. // <i>Journal of applied physics</i> . <b>115</b> (2014) ; 43703-43703	2,183 (2014.)	IK
519.	Petrović, Željka; Ristić, Mira; Musić, Svetozar. Development of ZnO microstructures produced by rapid hydrolysis of zinc acetylacetonate. // <i>Ceramics international</i> . <b>40</b> (2014) , 7/Part B; 10953-10959	2,605 (2014.)	IK
520.	Pisk, Jana; Prugovečki, Biserka; Matković-Čalogović, Dubravka; Jednačak, Tomislav; Novak, Predrag; Agustin, Dominique; Vrdoljak, Višnja. Pyridoxal hydrazonato molybdenum(VI) complexes : assembly, structure and epoxidation (pre)catalyst testing under solvent-free conditions. // <i>RSC Advances</i> . <b>4</b> (2014) , 73; 39000-39010	3,840 (2014.)	IK
521.	Plodinec, Milivoj; Gajović, Andreja; Iveković, Damir; Tomašić, Nenad; Zimmerman, Boris; Macan, Jelena; Haramina, Tatjana; Su, DangSeng; Willinger, Marc. Study of thermal stability of (3- aminopropyl)trimethoxy silane-grafted titanate nanotubes for application as nanofillers in polymers. // <i>Nanotechnology</i> . <b>25</b> (2014) ; 435601-435614	3,821 (2014.)	IK
522.	Plodinec, Milivoj; Gajović, Andreja; Jakša, Gregor; Žagar, Kristina; Čeh, Miran. High-temperature hydrogenation of pure and silver- decorated titanate nanotubes to increase their solar absorbance for photocatalytic applications. // <i>Journal of alloys and compounds</i> . <b>591</b> (2014) ; 147-155	2,999 (2014.)	IK
523.	Plodinec, Milivoj; Šantić, Ana; Zavašnik, Janez; Čeh, Miran; Gajović, Andreja. Giant persistent photoconductivity in BaTiO3/TiO2 heterostructures. // <i>Applied physics letters</i> . <b>105</b> (2014) ; 152101-1-152101-5	3,302 (2014.)	IK
524.	Ptiček Siročić, Anita; Rešček, Ana; Hrnjak-Murgić, Zlata. Polyethylene nanocomposites filled with modified nanoparticles. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 8; 811-817	1,481 (2012.)	KI, IK
525.	Ptiček Siročić, Anita; Rešček, Ana; Ščetar, Mario; Kratofil Krehula, Ljerka; Hrnjak-Murgić, Zlata. Development of low density polyethylene nanocomposites films for packaging. // <i>Polymer bulletin</i> . <b>71</b> (2014) , 3; 705-717	1,438 (2014.)	KI, IK

526.	Ptiček Siročić, Anita; Kratofil Krehula, Ljerka; Katančić, Zvonimir; Hrnjak-Murčić, Zlata. Kinetic analysis of thermal and thermo-oxidative degradation of polyethylene (nano)composites. // <i>Composite interfaces</i> . <b>21</b> (2014) , 3; 179-189	0,726 (2014.)	KI, IK
527.	Pustaj, Gordana; Kapor, Frankica; Kvasnička, Predrag. Inhibition properties and adsorption behavior of olive leaf extract on N80 carbon steel in CO <sub>2</sub> - saturated brine solution. // <i>International journal of materials research</i> . <b>105</b> (2014) , 10; 992-998	0,639 (2014.)	IK
528.	Pustak, Anđela; Leskovic, Mirela; Denac, Matjaž; Švab, Iztok; Pohleven, Janez; Makarovič, Matjaž; Musil, Vojko; Šmit, Ivan. Interfacial and mechanical properties of polypropylene/silica nano- and microcomposites. // <i>Journal of reinforced plastics and composites</i> . <b>33</b> (2014) , 9; 851-861	1,503 (2014.)	IK
529.	Rezić, Iva; Ćurković, Lidija; Ujević, Magdalena. Investigation of metal ion release from violin, viola and cello strings after dissolution in corrosive solution. // <i>Materials and corrosion</i> . <b>65</b> (2014) , 9; 931-934	1,373 (2014.)	IK
530.	Ristić, Mira; Marčiuš, Marijan; Petrović, Željka; Ivanda, Mile; Musić, Svetozar. The influence of experimental conditions on the formation of ZnO fibers by electrospinning. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 4; 315-320	0,728 (2014.)	IK
531.	Ristić, Mira; Marčiuš, Marijan; Petrović, Željka; Musić, Svetozar. Dependence of NiO microstructure on the electrospinning conditions. // <i>Ceramics international</i> . <b>40</b> (2014) , 7/Part A; 10119-10123	2,605 (2014.)	IK
532.	Rogošić, Marko; Sander, Aleksandra; Pantaler, Martina. Application of 1-pentyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide for desulfurization, denitrification and dearomatization of FCC gasoline. // <i>Journal of Chemical Thermodynamics</i> . <b>76</b> (2014) ; 1-15	2,679 (2014.)	KI, IK
533.	Rubčić, Mirta; Galić, Nives; Halasz, Ivan; Jednačak, Tomislav; Judaš, Nenad; Plavec, Janez; Šket, Primož; Novak, Predrag. Multiple solid forms of 1, 5-bis(salicylidene)carbohydrazide : polymorph-modulated thermal reactivity. // <i>Crystal growth &amp; design</i> . <b>14</b> (2014) , 6; 2900-2912	4,891 (2014.)	IK
534.	Sakač, Nikola; Regušić, Lidija; Sak-Bosnar, Milan; Jozanović, Marija; Breslauer, Nevenka. Direct potentiometric determination of ptyalin in saliva. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) ; 7097-7109	1,500 (2014.)	IK
535.	Samardžić, Mirela; Galović, Olivera; Petrušić, Sanja; Sak-Bosnar, Milan. The analysis of anionic surfactants in effluents using a DDA-TBP potentiometric sensor. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 11; 6166-6181	1,500 (2014.)	IK
536.	Sander, Aleksandra; Penović, Tomislav. Droplet size distribution obtained by atomization with two-fluid nozzles in a spray dryer. // <i>Chemical engineering &amp; technology</i> . <b>37</b> (2014) , 12; 2073-2084	2,442 (2014.)	KI, IK
537.	Sedjame, Henri-Joel; Fontaine, Celine; Lafaye, Gwendoline; Barbier, Jacques, Jr. On the promoting effect of the addition of ceria to platinum based alumina catalysts for VOCs oxidation. // <i>Applied catalysis B-Environmental</i> . <b>144</b> (2014) ; 233-242	7,435 (2014.)	KI
538.	Skoko, Božena; Marović, Gordana; Babić, Dinko. Radioactivity in the Mediterranean flora of the Kaštela Bay, Croatia. // <i>Journal of environmental radioactivity</i> . <b>135</b> (2014) ; 36-43	2,483 (2014.)	IK

539.	Sohora, Margareta; Šumanovac Ramljak, Tatjana; Mlinarić-Majerski, Kata; Basarić, Nikola. Photodecarboxylation of N-Adamantyl- and N-Phenylphthalimide dipeptide derivatives. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 4; 431-446	0,728 (2014.)	IK
540.	Sopčič, Suzana; Mandić, Zoran; Kraljić Roković, Marijana. Some factors influencing power and energy capabilities of RuO <sub>2</sub> supercapacitors. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) , 2; 272-279	0,686 (2014.)	IK
541.	Sović, Irena; Kraljević Pavelić, Sandra; Markova-Car, Elitza; Ilić, Nataša; Nhili, Raja; Depauw, Sabine; David-Cordonnier, Marie-Hélène; Karminski-Zamola, Grace. Novel phenyl and pyridyl substituted derivatives of isoindolines: Synthesis, antitumor activity and DNA binding features. // <i>European journal of medicinal chemistry</i> . <b>87</b> (2014) , 24; 372-385	3,447 (2014.)	IK
542.	Steinberg, Matthew D.; Kassal, Petar; Tkalčec, Biserka; Murković Steinberg, Ivana. Miniaturised wireless smart tag for optical chemical analysis applications. // <i>Talanta</i> . <b>118</b> (2014) ; 375-381	3,545 (2014.)	IK
543.	Steinberg, Matthew D.; Žura, Ivan; Murković Steinberg, Ivana. Wireless smart tag with on-board conductometric chemical sensor. // <i>Sensors and actuators. B, Chemical</i> . <b>196</b> (2014) ; 208-214	4,097 (2014.)	IK
544.	Stipišić, Angela; Veršić-Bratinčević, Maja; Knezović, Zlatka, Sutlović, Davorka. Metal content in medieval skeletal remains from Southern Croatia. // <i>Journal of archaeological science</i> . <b>46</b> (2014) ; 393-400	2,196 (2014.)	IK
545.	Stojčić, Goran; Vašak, Mario; Perić, Nedjeljko; Joksimović, Gojko; Wolbank, Thomas. Detection of partially fallen-out magnetic slot wedges in inverter fed AC machines at lower load conditions. // <i>IEEE transactions on industry applications</i> . <b>50</b> (2014) , 2; 1161-1167	1,756 (2014.)	IK
546.	Sudar, Martina; Findrik, Zvezdana; Vuković Domanovac, Marija; Vasić-Rački, Đurđa. Coenzyme regeneration catalyzed by NADH oxidase from <i>Lactococcus lactis</i> . // <i>Biochemical engineering journal</i> . <b>88</b> (2014) ; 12-18	2,467 (2014.)	KI
547.	Sutlović, Davorka; Veršić Bratinčević, Maja; Definis-Gojanović, Marija. Blood alcohol stability in post mortem blood samples. // <i>American journal of forensic medicine and pathology</i> . <b>35</b> (2014) , 1; 55-58	0,701 (2014.)	IK
548.	Sutlović, Davorka; Ščepanović, Antonija; Bošnjak, Marinko; Veršić-Bratinčević, Maja; Definis-Gojanović, Marija. The role of alcohol in road traffic accidents with fatal outcome : ten-year period in Croatia Split-Dalmatia County. // <i>Traffic injury prevention</i> . <b>15</b> (2014) , 3; 222-227	1,413 (2014.)	IK
549.	Šagud, Ivana; Božić, Simona; Marinić, Željko; Šindler-Kulyk, Marija. Photochemical approach to functionalized benzobicyclo[3.2.1]octene structures via fused oxazoline derivatives from 4- and 5-(o-vinylstyryl)oxazoles. // <i>Beilstein journal of organic chemistry</i> . <b>10</b> (2014) ; 2222-2229	2,757 (2014.)	IK
550.	Šagud, Ivana; Šindler-Kulyk, Marija; Spalletti, Anna; Mazzucato, Ugo. Photoisomerization and photocyclization of 5-styryloxazole. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 4; 327-333	0,728 (2014.)	IK
551.	Šalić, Anita; Zelić, Bruno. ADH catalysed hexanol oxidation with fully integrated NADH regeneration performed in microreactors connected in series. // <i>RSC Advances</i> . <b>4</b> (2014) ; 41714-41721	3,840 (2014.)	KI, IK

552.	Škalamera, Đani; Mlinarić-Majerski, Kata; Martin-Kleiner, Irena; Kralj, Marijeta; Wan, Peter; Basarić, Nikola. Near-visible light generation of a quinone methide from 3-hydroxymethyl-2-anthrol. // <i>Journal of organic chemistry</i> . <b>79</b> (2014) , 10; 4390-4397	4,721 (2014.)	IK
553.	Škugor Rončević, Ivana; Grubač, Zoran; Metikoš-Huković, Mirjana. Electrodeposition of hydroxyapatite coating on AZ91D alloy for biodegradable implant application. // <i>International Journal of Electrochemical Science</i> . <b>9</b> (2014) , 11; 5907-5923	1,500 (2014.)	IK
554.	Šoštarić, Igor; Nežić, Igor; Jović, Franjo; Marčelić, Eugen; Meštrović, Ernest; Zrnčević, Stanka. Modeling-based development of an enantioselective hydrogenation reaction of a sitagliptine intermediate. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 1; 1-11	0,802 (2014.)	KI
555.	Šumanovac Ramljak, Tatjana; Sohora, Margareta; Antol, Ivana; Kontrec, Darko; Basarić, Nikola; Mlinarić-Majerski, Kata. Memory of chirality in the phthalimide photocyclization of adamantane dipeptides. // <i>Tetrahedron letters</i> . <b>55</b> (2014) ; 4078-4081	2,379 (2014.)	IK
556.	Tarbuk, Anita; Grancarić, Anamarija; Leskovac, Mirela. Novel cotton cellulose by cationisation during the mercerisation process - Part 1: Chemical and morphological changes. // <i>Cellulose</i> . <b>21</b> (2014) , 3; 2167-2179	3,573 (2014.)	IK
557.	Tarbuk, Anita; Grancarić, Anamarija; Leskovac, Mirela. Novel cotton cellulose by cationisation during mercerisation - Part 2: Interface phenomena. // <i>Cellulose</i> . <b>21</b> (2014) , 3; 2089-2099	3,573 (2014.)	IK
558.	Tišma, Marina; Molnar, Maja; Škarica, Marija; Čačić, Milan; Zelić, Bruno. Laccase inhibiting activity of some coumarin derivatives. // <i>Letters in organic chemistry</i> . <b>11</b> (2014) ; 583-589	0,664 (2014.)	KI, IK
559.	Tkalčec, Emilija; Popović, Jasminka; Orlić, Sebastijan; Milardović, Stjepan; Ivanković, Hrvoje. Hydrothermal synthesis and thermal evolution of carbonate-fluorhydroxyapatite scaffold from cuttlefish bones. // <i>Materials science and engineering C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 578-586	3,088 (2014.)	KI, IK
560.	Tusić, Marko; Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa. Operational stability of glucoamylase in continuously operated ultrafiltration membrane reactor - experimental methods and mathematical model. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 473-480	0,802 (2014.)	KI
561.	Ukić, Šime; Mandić, Vilko; Buić, Zdenko; Bolanča, Tomislav; Zelić, Bruno; Kurajica, Stanislav; Novak, Mirjana. Sorption kinetics and structural investigations of acid and alkali pretreated bentonite used for ammonium and phosphate removal from petrochemical wastewater. // <i>Fresenius environmental bulletin</i> . <b>23</b> (2014) , 5; 1260-1270	0,378 (2014.)	KI, IK
562.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography—Part I: Conventional QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 985-996	1,411 (2014.)	IK
563.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part II: Artificial intelligence QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 997-1007	1,411 (2014.)	IK
564.	Valinger, Davor; Vrsalović Presečki, Ana; Kurtanjek, Želimir; Pohl, Martina; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Continuous enzymatic carbonylation of benzaldehyde and acetaldehyde in an enzyme ultrafiltration membrane reactor and laminar flow microreactors. // <i>Journal of Molecular Catalysis B: Enzymatic</i> . <b>102</b> (2014) ; 132-137	2,128 (2014.)	KI

565.	Vikingsson, L.; Gallego Ferrer, G.; Gomez-Tejedor, J. A.; Gomez Ribelles, J. L. An "in vitro" experimental model to predict the mechanical behavior of macroporous scaffolds implanted in articular cartilage. // <i>Journal of the mechanical behavior of biomedical materials</i> . <b>32</b> (2014) 125-13	3,417 (2014.)	IK
566.	Vladislavić, Nives; Brinić, Slobodan; Grubač, Zoran; Buzuk, Marijo. Study of bismuth film formation on different carbon based electrodes for possible applicability in electroanalytical determination of cysteine. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 11; 6020-6032	1,500 (2014.)	IK
567.	Volovšek, Vesna; Dananić, Vladimir; Bistričić, Lahorija; Movre Šapić, Iva; Furić Krešimir. Raman study of vibrational dynamics of aminopropylsilanetriol in gas phase. // <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> . <b>117</b> (2014) ; 478-484	2,353 (2014.)	IK
568.	Vrankić, Martina; Žagar, Kristina; Bijelić, Mirjana; Popović, Jasminka; Gržeta, Biserka; Kurajica, Stanislav. Microstructure of sol-gel derived Mn-doped gahnite: Correlation of TEM and XRD investigations. // <i>Journal of physics and chemistry of solids</i> . <b>75</b> (2014) , 11; 1240-1244	1,853 (2014.)	IK
569.	Vrdoljak, Višnja; Pisk, Jana; Agustin, Dominique; Novak, Predrag; Parlov Vuković, Jelena; Matković-Čalogović, Dubravka. Dioxomolybdenum(VI) and dioxotungsten(VI) complexes chelated with the ONO tridentate hydrazone ligand: synthesis, structure and catalytic epoxidation activity. // <i>New journal of chemistry</i> . <b>38</b> (2014) ; 6176-6185	3,086 (2014.)	IK
570.	Vuk, Dragana; Kikaš, Ilijana; Molčanov, Krešimir; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of thiophene and furan derivatives: the impact of the type and position of the heteroatom. // <i>Journal of molecular structure</i> . <b>1063</b> (2014) ; 83-91	1,602 (2014.)	IK
571.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Margetić, Davor; Škorić, Irena. Thermal electrocyclization reactions II: benzoctatetraenes and benzodecapentaenes. // <i>Tetrahedron</i> . <b>70</b> (2014) ; 886-891	2,641 (2014.)	IK
572.	Vuk, Dragana; Marinić, Željko; Škorić, Irena. Photochemical approach to new polycyclic substrates suitable for further photocatalytic functionalization. // <i>Croatica chemica acta</i> . <b>87</b> (2014) ; 465-473	0,728 (2014.)	IK
573.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Weak interactions direct crystal packings of arylated 1, 3-butadienes. // <i>Journal of molecular structure</i> . <b>1065-1066</b> (2014) ; 43-51	1,602 (2014.)	IK
574.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Novel arylated chloro- and methoxy-1, 3-dibutadienes: influence of substituents on molecular conformation and crystal packing. // <i>Journal of molecular structure</i> . <b>1068</b> (2014) ; 124-129	1,602 (2014.)	IK
575.	Zrnčić, Mirta; Gros, Meritxell; Babić, Sandra; Kaštelan-Macan, Marija; Barcelo, Damia; Petrović Mira. Analysis of anthelmintics in surface water by ultra high performance liquid chromatography coupled to quadrupole linear ion trap tandem mass spectrometry. // <i>Chemosphere</i> . <b>99</b> (2014) ; 224-232	3,340 (2014.)	IK
576.	Žegarac, Miroslav; Lekšić, Edislav; Šket, Primož; Plavec, Janez; Devčić Bogdanović, Maja; Bučar, Dejan-Krešimir; Dumić, Miljenko; Meštović, Ernest. A sildenafil cocrystal based on acetylsalicylic acid exhibits an enhanced intrinsic dissolution rate. // <i>Crystal engineering communication</i> . <b>16</b> (2014) ; 32-35	4,034 (2014.)	IK
577.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High shear granulation of dolomite - II: Effect of amount of binder liquid on process kinetics. // <i>Chemical Engineering Research and Design</i> . <b>92</b> (2014) ; 1091-1106	2,348 (2014.)	KI

578.	Žura, Ivan; Babić, Dinko; Steinberg, Matthew D.; Murković Steinberg, Ivana. Low-Cost Conductometric Transducers for Use in Thin Polymer Film Chemical Sensors. // <i>Sensors and actuators. B, Chemical.</i> <b>193</b> (2014) ; 128-135	4,097 (2014.)	IK
579.	Babić, Sandra; Zrnčić, Mirta; Ljubas, Davor; Ćurković, Lidija; Škorić, Irena. Photolytic and thin TiO <sub>2</sub> film assisted photocatalytic degradation of sulfamethazine in aqueous solution. // <i>Environmental science and pollution research.</i> <b>22</b> (2015) , 15; 11372-11386	2,828 (2014.)	IK
580.	Basarić, Nikola; Clementi, Catia; Carlotti, Benedetta; Alešković, Marija; Elisei, Fausto. Photophysics of cyanophenylpyrroles: investigation of solvatochromic properties and charge transfer by ultrafast spectroscopy and DFT calculations. // <i>Journal of photochemistry and photobiology. A, Chemistry.</i> <b>299</b> (2015) ; 94-102	2,495 (2014.)	IK
581.	Basarić, Nikola; Thomas, S. Suma; Blažek Bregović, Vesna; Cindro, Nikola; Bohne, Cornelia. Phototautomerization in pyrrolylphenylpyridine terphenyl systems. // <i>Journal of organic chemistry.</i> <b>80</b> (2015) , 9; 4430-4442	4,721 (2014.)	IK
582.	Bećirović, Elvisa; Osmić, Jakub; Kušljugić, Mirza; Perić, Nedjeljko. Analysis and synthesis of model reference controller for variable speed wind generators inertial support. // <i>Journal of electrical engineering.</i> <b>66</b> (2015) ; 3-10	0,378 (2014.)	IK
583.	Berger, Michael L.; Maciejewska, Dorota; Vanden Eynde, Jean Jacques; Mottamal, Madhusoodanan; Źabiński, Jerzy; Kaźmierczaki, Paweł; Rezler, Mateusz; Jarak, Ivana; Piantanida, Ivo; Karminski-Zamola, Grace; Mayence, Annie; Rebernik, Patrick; Kumar, Arvind; Ismail, Mohamed A.; Boykin, David W.; Huang, Tien L. Pentamidine analogs as inhibitors of [3H]MK-801 and [3H]ifenprodil binding to rat brain NMDA receptors. // <i>Bioorganic &amp; medicinal chemistry.</i> <b>23</b> (2015) ; 4489-4500	2,793 (2014.)	IK
584.	Bistričić, Lahorija; Borjanović, Vesna; Leskovac, Mirela; Mikac, Lara; McGuire, GE; Shenderova, Olga; Nunn, Nick. Raman spectra, thermal and mechanical properties of poly(ethylene terephthalate) carbon-based nanocomposite films. // <i>Journal of polymer research.</i> <b>22</b> (2015) , 3; 39-1-39-12	1,920 (2014.)	IK
585.	Bituh, Tomislav; Petrinc, Branko; Skoko, Božena; Vučić, Zlatko; Marović, Gordana. Measuring and modelling the radiological impact of a phosphogypsum deposition site on the surrounding environment. // <i>Arhiv za higijenu rada i toksikologiju.</i> <b>66</b> (2015) ; 31-40	0,932 (2014.)	IK
586.	Blažek Bregović, Vesna; Basarić, Nikola; Mlinarić-Majerski, Kata. Anion binding with urea and thiourea derivatives. // <i>Coordination chemistry reviews.</i> <b>295</b> (2015) ; 80-124	12,239 (2014.)	IK
587.	Blažek Bregović, Vesna; Halasz, Ivan; Basarić, Nikola; Mlinarić-Majerski, Kata. Anthracene adamantylbisurea receptors: switching of anion binding by photocyclization. // <i>Tetrahedron.</i> <b>71</b> (2015) ; 9321-9327	2,641 (2014.)	IK
588.	Bralić, Marija; Buljac, Maša; Prkić, Ante; Buzuk, Marijo; Brinić, Slobodan. determination fluoride in products for oral hygiene using flow-injection (FIA) and continuous analysis (CA) with home-made FISE. // <i>International journal of electrochemical science.</i> <b>10</b> (2015) ; 2253-2264	1,500 (2014.)	IK
589.	Budžaki, Sandra; Šalić, Anita; Zelić, Bruno; Tišma, Marina. Enzyme catalyzed biodiesel production from edible and waste cooking oil. // <i>Chemical and biochemical engineering quarterly.</i> <b>29</b> (2015) , 3; 329-333	0,802 (2014.)	KI, IK
590.	Buljan, Iva; Lázár, Károly; Kosanović, Cleo. Preparation and spectroscopic characterization of iron doped mullite. // <i>Croatica chemica acta.</i> <b>88</b> (2015) , 2; 171-178	0,728 (2014.)	IK

591.	Cindro, Nikola; Antol, Ivana; Mlinarić-Majerski, Kata; Halasz, Ivan; Wan, Peter; Basarić, Nikola. Reactivity of cations and zwitterions formed in photochemical and acid-catalyzed reactions from m-hydroxycycloalkyl substituted phenol derivatives. // <i>Journal of organic chemistry</i> . <b>80</b> (2015) , 24; 12420-12430	4,721 (2014.)	IK
592.	Ćurković, Lidija; Majić Renjo, Marijana; Ciglar, Damir. Effects of cold isostatic pressing and granule size distribution on the densification of alumina ceramics. // <i>Materials testing</i> . <b>57</b> (2015) , 6; 495-498	0,335 (2014.)	IK
593.	Del Barrio, Jorge L. Alio; Chiesa, Massimo; Ferrer, Gloria Gallego; Garagorri, Nerea; Briz, Nerea; Fernandez-Delgado, Jorge; Valls, Maria Sancho-Tello; Botella, Carmen Carda; Garcia-Tunon, Ignacio; Bataille, Laurent; Rodriguez, Alejandra; Arnalich-Montiel, Francisco; Gomez Ribelles, Jose L.; Antolinos-Turpin, Carmen M.; Gomez-Tejedor, Jose A.; Alio, Jorge L.; De Miguel, Maria P. Biointegration of corneal macroporous membranes based on poly(ethyl acrylate) copolymers in an experimental animal model. // <i>Journal of biomedical materials research Part A</i> . <b>103</b> (2015) 1106-1118	3,369 (2014.)	IK
594.	Diehl, Fabrice; Barbier, Jacques; Duprez, Daniel; Guibard, Isabelle; Mabilon, Gil. Catalytic oxidation of heavy hydrocarbons over Pt/Al <sub>2</sub> O <sub>3</sub> . Oxidation of C <sub>10+</sub> solid hydrocarbons representative of soluble organic fraction of Diesel soots. // <i>Applied catalysis A: General</i> . <b>504</b> (2015) ; 37-43	3,942 (2014.)	KI
595.	Đerek, Vedran; Glowacki, Eric Daniel; Sytnyk, Mykhailo; Heiss, Wolfgang; Marcuiš, Marijan; Ristić, Mira; Ivanda, Mile; Sariciftci, Niyazi Serdar. Enhanced near-infrared response of nano- and microstructured silicon/organic hybrid photodetectors. // <i>Applied physics letters</i> . <b>107</b> (2015) , 8; 083302-1-083302-5	3,302 (2014.)	IK
596.	Espinosa de los Monteros, A.; Lafaye, G.; Cervantes, A.; Del Angel, G.; Barbier, J., Jr; Torres, G. Catalytic wet air oxidation of phenol over metal catalyst (Ru,Pt) supported on TiO <sub>2</sub> -CeO <sub>2</sub> oxides. // <i>Catalysis today</i> . <b>258</b> (2015) ; 564-569	3,893 (2014.)	KI
597.	Faivre, Sanja; Bakran-Petricioli, Tatjana; Barešić, Jadranka; Horvatinčić, Nada. New data on the marine radiocarbon reservoir effect in the eastern Adriatic based on pre-bomb marine organisms from the intertidal zone and shallow sea. // <i>Radiocarbon</i> . <b>57</b> (2015) , 4; 527-538	2,228 (2014.)	KI
598.	Faraguna, Fabio; Siuc, Valentina; Vidović, Elvira; Jukić, Ante. Reactivity ratios and properties of copolymers of 2-ethoxyethyl methacrylate with dodecyl methacrylate or styrene. // <i>Journal of polymer research</i> . <b>22:Article 245</b> (2015) ; 1-11	1,920 (2014.)	IK
599.	Faraguna, Fabio; Vidović, Elvira; Jukić, Ante. Reactivity ratios and copolymer properties of 2-(diisopropylamino)ethyl methacrylate with methyl methacrylate and styrene. // <i>Polymer international</i> . <b>64</b> (2015) ; 1497-1504	2,409 (2014.)	IK
600.	Foglar, Lucija; Papić, Sanja; Margeta, Dunja; Sertić-Bionda, Katica. The use of different reactor systems for biological treatment of petroleum refinery wastewaters. // <i>Fresenius Environmental Bulletin</i> . <b>24</b> (2015) , 11 a; 3695-3702	0,378 (2014.)	KI, IK
601.	Gačša, Ranko; Chung, Ray; Dunn, Simon R.; Weston, Andrew J.; Jaimes-Becerra, Adrian; Marques, Antonio C.; Morandini, André C.; Hranueli, Daslav; Starčević, Antonio; Ward, Malcolm; Long, Paul F. Gene duplications are extensive and contribute significantly to the toxic proteome of nematocysts isolated from <i>Acropora digitifera</i> (Cnidaria: Anthozoa: Scleractinia). // <i>Bmc genomics</i> . <b>16</b> (2015) ; Article number: 774	3,986 (2014.)	IK
602.	Galović, Olivera; Samardžić, Mirela; Sak-Bosnar, Milan. A new microsensor for the determination of anionic surfactants in commercial products. // <i>International journal of electrochemical science</i> . <b>10</b> (2015) ; 5176-5193	1,500 (2014.)	IK



603.	Galović, Olivera; Samardžić, Mirela; Petrušić, Sanja; Sak-Bosnar, Milan. Application of a new potentiometric sensor for determination of anionic surfactants in wastewater. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015), 3; 307-313	0,802 (2014.)	IK
604.	Gamboa-Martinez, Tatiana C.; Luque-Guillen, Victoria; Gonzalez-Garcia, Cristina; Gomez Ribelles, Jose Luis; Gallego Ferrer, Gloria. Crosslinked fibrin gels for tissue engineering: Two approaches to improve their properties. // <i>Journal of biomedical materials research Part A</i> . <b>103</b> (2015); 614-621	3,369	IK
605.	Glanzer, Simon; Pulido, Sergio; Tutz, Sarah; Wagner, Gabriel; Kriechbaum, Manfred; Gubensak, Nina; Trifunovic, Jovana; Dorn, Markus; Fabian M. F., Walter; Novak, Predrag; Reidl, Joachim; Zangger, Klaus. Structural and functional implications of the interaction between macrolide antibiotics and bile acids. // <i>Chemistry : a European journal</i> . <b>21</b> (2015); 4350-4358	5,731 (2014.)	IK
606.	Govorčin Bajsić, Emi; Ocelić Bulatović, Vesna; Rek, Vesna. The influence of filler treatment on the properties of TPU/PP blends: I. Thermal properties and stability. // <i>Polymer engineering and science</i> . <b>55</b> (2015), 8; 1920-1930	1,520 (2014.)	KI
607.	Hrkovac, Martina; Prlić Kardum, Jasna; Ukrainczyk, Neven. Influence of NaCl on granulometric characteristics and polymorphism in batch-cooling crystallization of Glycine. // <i>Chemical engineering &amp; technology</i> . <b>38</b> (2015), 1; 139-146	2,442 (2014.)	KI
608.	Iida, Yusuke; Akiyama, Kazuhiko; Kobzi, Balázs; Sinkó, Katalin; Homonnay, Zoltán; Kuzmann, Erno; Ristić, Mira; Krehula, Stjepko; Nishida, Tetsuaki; Kubuki, Shiro. Structural analysis and visible light-activated photocatalytic activity of iron-containing soda lime aluminosilicate glass. // <i>Journal of alloys and compounds</i> . <b>645</b> (2015); 1-6	2,999 (2014.)	IK
609.	Ivashchenko, Sergiy; Escobar Ivirico, Jorge L.; Garcia Cruz, Dunia M.; Campillo-Fernandez, Alberto; Gallego Ferrer, Gloria; Monleon Pradas, Manuel. Bioactive organic-inorganic poly(CLMA-co-HEA)/silica nanocomposites. // <i>Journal of biomaterials applications</i> . <b>29</b> (2015); 1096-1108	2,197 (2014.)	IK
610.	Ivušić, Franjo; Lahodny-Šarc, Olga; Otmačić Ćurković, Helena; Alar, Vesna. Synergistic inhibition of carbon steel corrosion in seawater by cerium chloride and sodium gluconate. // <i>Corrosion science</i> . <b>98</b> (2015); 88-97	4,422 (2014.)	IK
611.	Jerković, Igor; Marijanović, Zvonimir; Kranjac, Marina; Radonić, Ani. Comparison of different methodologies for detailed screening of Taraxacum officinale honey volatiles. // <i>Natural product communications</i> . <b>10</b> (2015), 2; 357-360	0,906 (2014.)	IK
612.	Jozanović, Marija; Sakač, Nikola; Jakobović, Danijela; Sak-Bosnar, Milan. Analytical characterization and quantification of histidine dipeptides, carnosine and anserine by modeling of potentiometric titration data. // <i>International journal of electrochemical science</i> . <b>10</b> (2015); 5787-5799	1,500 (2014.)	IK
613.	Jozanović, Marija; Medvidović-Kosanović, Martina; Sak-Bosnar, Milan. Voltammetric characterization and determination of histidine dipeptides - carnosine and anserine. // <i>International journal of electrochemical science</i> . <b>10</b> (2015), 8; 6548-6557	1,500 (2014.)	IK
614.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Peternel, Igor; Lončarić Božić, Ana. Prediction of key structural features responsible for aromaticity of single-benzene ring pollutants and their photooxidative intermediates. // <i>Chemical engineering journal</i> . <b>276</b> (2015); 261-273	4,321 (2014.)	IK
615.	Jurinjak Tušek, Ana; Anić, Iva; Kurtanjek, Želimir; Zelić, Bruno. Mass transfer coefficients of slug flow for organic solvent-aqueous system in a microreactor. // <i>Korean journal of chemical engineering</i> . <b>32</b> (2015), 6; 1037-1045	1,166 (2014.)	KI, IK

616.	Kassal, Petar; Kim, Jayoung; Kumar, Rajan; de Araujo, William Reis; Steinberg, Ivana; Steinberg, Matthew; Wang, Joseph. Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. // <i>Electrochemistry communications</i> . <b>56</b> (2015) ; 6-10	4,847 (2014.)	IK
617.	Katić, Jozefina; Metikoš-Huković, Mirjana; Milošev, Ingrid. Ionic and electronic conductivity of the anodic films on nickel. // <i>Journal of the electrochemical society</i> . <b>162</b> (2015) , 14; C767-C774	3,266 (2014.)	IK
618.	Katić, Jozefina; Metikoš-Huković, Mirjana; Peter, Robert; Petravić, Mladen. The electronic structure of the $\alpha$ -Ni(OH) <sub>2</sub> films: Influence on the production of the high- performance Ni-catalyst surface. // <i>Journal of power sources</i> . <b>282</b> (2015) ; 421-428	6,217 (2014.)	IK
619.	Kerolli-Mustafa, Mihone; Ćurković, Lidija; Fajković, Hana; Rončević, Sanda. Ecological risk assessment of jarosite waste disposal. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 2; 189-196	0,728 (2014.)	IK
620.	Kerolli-Mustafa, Mihone; Fajković, Hana; Rončević, Sanda; Ćurković, Lidija. Assessment of metals risks from different depths of jarosite tailing waste of Trepča Zinc Industry, Kosovo based on BCR procedure. // <i>Journal of geochemical exploration</i> . <b>148</b> (2015) ; 161-168	2,747 (2014.)	IK
621.	Klapötke, Thomas; Krumm, Kurz, Matthias Q.; Scharf, Regina; Schmid, Phillip C.; Stierstorfer, Jörg; Sućeska, Muhamed. 5-(1H-tetrazolyl)-2-hydroxy-tetrazole: a selective 2N-monooxidation of Bis(1H-tetrazole). // <i>ChemPlusChem</i> . <b>80</b> (2015) , 1; 97-106	3,026 (2014.)	KI
622.	Kobetić, Renata; Kazazić, Snježana; Kovačević, Borislav; Glasovac, Zoran; Krstulović, Luka; Bajić, Miroslav; Žinić, Biserka. Mass spectrometry and theoretical studies on N-C bond cleavages in the N-sulfonylamidino thymine derivatives. // <i>Journal of the American society for mass spectrometry</i> . <b>26</b> (2015) , 5; 833-842	2,945 (2014.)	IK
623.	Korlević, Marino; Žučko, Jurica; Najdek Dragić, Mirjana; Blažina, Maria; Pustijanac, Emina; Vojvoda Zeljko, Tanja; Gačeša, Ranko; Baranašić, Damir; Starčević, Antonio; Diminić, Janko; Long, Paul; Cullum, John; Hranueli, Daslav; Orlić, Sandi. Bacterial diversity of polluted surface sediments in northern Adriatic Sea determined by pyrosequencing. // <i>Systematic and applied microbiology</i> . <b>38</b> (2015) , 3; 189-197	3,283 (2014.)	IK
624.	Kos, K.; Posilović, Hrvoje; Durman, Aleksandar; Ristić, Mira; Krehula, Stjepko. White encrustation produced from deer antler phosphate on prehistoric ceramics from Podunavlje. // <i>Archaeometry</i> . <b>57</b> (2015) , 4; 636-652	1,519 (2014.)	IK
625.	Kosović, Marin; Balarin, Maja; Ivanda, Mile; Đerek, Vedran; Marcuš, Marijan; Ristić, Mira; Gamulin, Ozren. Porous silicon covered with silver nanoparticles as Surface-enhanced Raman scattering (SERS) substrate for ultra-low concentration detection. // <i>Applied spectroscopy</i> . <b>69</b> (2015) , 12; 1417-1424	1,875 (2014.)	IK
626.	Košutić, Krešimir; Dolar, Davor; Strmecky, Tea. Treatment of landfill leachate by membrane processes of nanofiltration and reverse osmosis. // <i>Desalination and Water Treatment</i> . <b>55</b> (2015) , 10; 2680-2689	1,173 (2014.)	IK
627.	Kraguljac, Kornelije; Vidović, Elvira; Šoljić Jerbić, Ivana; Jukić, Ante. A chromatographic study of shear stability of poly(styrene-co-alkyl methacrylate) viscosity modifier for lubricating oils. // <i>Petroleum science and technology</i> . <b>33</b> (2015) ; 374-380	0,307 (2014.)	IK
628.	Krakovsky, Ivan; Martinez-Haya, Rebeca; Gallego Ferrer, Gloria; Sabater i Serra, Roser; Dodda, Jagan Mohan. Epoxy networks and hydrogels prepared from alpha,omega-diamino terminated poly(oxypropylene)-b-poly(oxyethylene)-poly(oxypropylene) and polyoxypropylene bis(glycidyl ether). // <i>European polymer journal</i> . <b>62</b> (2015) ; 19-30	3,005 (2014.)	IK

629.	Kralj, Marijeta; Uzelac, Lidija; Wang, Yu-Hsuan; Wan, Peter; Tireli, Martina; Mlinarić-Majerski, Kata; Piantanida, Ivo; Basarić, Nikola. Enhancement of antiproliferative activity by phototautomerization of anthrylphenols. // <i>Photochemical &amp; photobiological sciences</i> . <b>14</b> (2015) , 6; 1082-1092	2,267 (2014.)	IK
630.	Kratofil Krehula, Ljerka; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Study of masterbatch effect on miscibility and morphology in PET/HDPE blends. // <i>Journal of adhesion science and technology</i> . <b>29</b> (2015) , 2; 74-93	0,961 (2014.)	KI, IK
631.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Marić, Gojko; Hrnjak-Murgić, Zlata. Study of fire retardancy, thermal and mechanical properties of HDPE-wood composites. // <i>Journal of wood chemistry and technology</i> . <b>35</b> (2015) , 6; 412-423	1,588 (2014.)	KI, IK
632.	Krehula, Stjepko; Ristić, Mira; Kubuki, Shiro; Iidab, Yusuke; Perović, Marija; Fabian, Martin; Musić, Svetozar. Synthesis and microstructural properties of mixed iron-gallium oxides. // <i>Journal of alloys and compounds</i> . <b>634</b> (2015) ; 130-141	2,999 (2014.)	IK
633.	Krehula, Stjepko; Ristić, Mira; Kubuki, Shiro; Iida, Yusuke; Fabián, Martin; Musić, Svetozar. The formation and microstructural properties of uniform $\alpha$ -GaOOH particles and their calcination products. // <i>Journal of alloys and compounds</i> . <b>620</b> (2015) ; 217-227	2,999 (2014.)	IK
634.	Krištafor, Svjetlana; Bistrović, Andrea; Plavec, Janez; Makuc, Damjan; Martinović, Tamara; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. One-pot click synthesis of 1, 2, 3-triazole- embedded unsaturated uracil derivatives and hybrids of 1, 5- and 2, 5-disubstituted tetrazoles and pyrimidines. // <i>Tetrahedron letters</i> . <b>56</b> (2015) ; 1222-1228	2,379 (2014.)	IK
635.	Lafaye, Gwendoline; Barbier, Jacques, Jr; Duprez, Daniel. Impact of cerium-based support oxides in catalytic wet air oxidation: Conflicting role of redox and acid-base properties. // <i>Catalysis today</i> . <b>253</b> (2015) ; 89-98	3,893 (2014.)	KI
636.	Lazić, Vedrana; Jurković, Mihaela; Jednačak, Tomislav; Hrenar, Tomica; Parlov Vuković, Jelena; Novak, Predrag. Intra- and intermolecular hydrogen bonding in acetylacetone and benzoylacetone derived enaminone derivatives. // <i>Journal of molecular structure</i> . <b>1079</b> (2015) ; 243-249	1,602 (2014.)	IK
637.	Ljubas, Davor; Ćurković, Lidija; Marinović, Veronika; Bačić, Ivana; Tavčar, Branka. Photocatalytic degradation of azo-dyes by sol-gel TiO <sub>2</sub> films: effects of polyethylene glycol addition, reaction temperatures and irradiation wavelengths. // <i>Reaction kinetics, mechanisms and catalysis</i> . <b>116</b> (2015) , 2; 563-576	1,170 (2014.)	IK
638.	Ma, Jiani; Zhang, Xiting; Basarić, Nikola; Wan, Peter; Phillips, David Lee. Observation of excited state proton transfer reactions in 2-phenylphenol and 2-phenyl-1-naphthol and formation of quinone methide species. // <i>Physical Chemistry Chemical Physics</i> . <b>17</b> (2015) , 14; 9205-9211	4,493 (2014.)	IK
639.	Magdić, Katja; Kvastek, Krešimir; Horvat-Radošević, Višnja. Impedance approach to activity of hydrogen evolution reaction on spatially heterogeneous GC electrode surfaces: metal free vs. Ru catalysed case. // <i>Electrochimica acta</i> . <b>167</b> (2015) ; 455-469	4,504 (2014.)	IK
640.	Mandić, Vilko; Kurajica, Stanislav. The influence of solvents on sol-gel derived calcium aluminate. // <i>Materials science in semiconductor processing</i> . <b>38</b> (2015) ; 306-313	1,955 (2014.)	IK
641.	Maračić, Silvija; Gazivoda Kraljević, Tatjana; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Verbanac, Donatella; Cetina, Mario; Raić-Malić Silvana. 1,2,3-Triazolepharmacophore-based benzofused nitrogen/sulfur heterocycles with potential anti- <i>Moraxella catarrhalis</i> activity. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>23</b> (2015) ; 7448-7463	2,793 (2014.)	IK

642.	Margeta, Karmen; Stefanović, Štefica Cerjan; Kaucic, Verceslav; Logar, Natasa Zabukovec. The potential of clinoptilolite-rich tuffs from Croatia and Serbia for the reduction of toxic concentrations of cations and anions in aqueous solutions. // <i>Applied clay science</i> . <b>116</b> (2015) ; 111-119	2,467 (2014.)	IK
643.	Meščić, Andrijana; Harej, Anja; Klobučar, Marko; Glavač, Danijel; Cetina, Mario; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Discovery of new acid ceramidase-targeted acyclic 5-alkynyl and 5-heteroaryl uracil nucleosides. // <i>ACS Medicinal Chemistry Letters</i> . <b>6</b> (2015) , 11; 1150-1155	3,120 (2014.)	IK
644.	Miklečić, Josip; Lučić Blagojević, Sanja; Petrič, Marko; Jirouš-Rajković, Vlatka. Influence of TiO <sub>2</sub> and ZnO nanoparticles on properties of waterborne polyacrylate coating exposed to outdoor conditions. // <i>Progress in organic coatings</i> . <b>89</b> (2015) ; 67-74	2,358 (2014.)	KI
645.	Milanović, Ivana; Grahek, Željko. Semi-automated procedure for the determination of <sup>89</sup> , <sup>90</sup> Sr in environmental samples by Cherenkov counting. // <i>Journal of radioanalytical and nuclear chemistry</i> . <b>303</b> (2015) , 2; 1453-1457	1,034 (2014.)	IK
646.	Mutavdžić Pavlović, Dragana; Nikšić, Korana; Livazović, Sara; Brnardić, Ivan; Anžlovar, Alojz. Preparation and application of sulfaguanidine- imprinted polymer on solid-phase extraction of pharmaceuticals from water. // <i>Talanta</i> . <b>131</b> (2015) ; 99-107	3,545 (2014.)	IK
647.	Palaić, Nikolina; Sertić-Bionda, Katica; Margeta, Dunja; Podolski, Štefica. Oxidative desulphurization of diesel fuels. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 323-327	0,802 (2014.)	KI
648.	Panjičko, Mario; Zupančič, Gregor Drago; Zelić, Bruno. Anaerobic biodegradation of raw and pre-treated brewery spent grain utilizing solid state anaerobic digestion. // <i>Acta chimica Slovenica</i> . <b>62</b> (2015) , 4; 818-827	0,686 (2014.)	KI, IK
649.	Parlov Vuković, Jelena; Predrag Novak, Plavec, Janez; Friedrich, Miha; Pajc Marinić Ljiljana; Hrenar, Tomica. NMR and chemometric characterization of vacuum residues and vacuum gas oils from crude oils of different origin. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 1; 89-95	0,728 (2014.)	IK
650.	Parlov Vuković, Jelena; Srića, Vlasta; Novak, Predrag. Fast determination of diesel fuel oxidation stability by 1H NMR spectroscopy. // <i>Acta chimica Slovenica</i> . <b>62</b> (2015) ; 233-236	0,686 (2014.)	IK
651.	Periš, Nenad; Buljac, Maša; Bralić, Marija; Buzuk, Marijo; Brinić, Slobodan; Plazibat, Ivana. Characterization of the air quality in Split, Croatia focusing upon fine and coarse particulate matter analysis. // <i>Analytical letters</i> . <b>48</b> (2015) , 3; 553-565	1,030 (2014.)	IK
652.	Petrović, Željka; Ristić, Mira; Marcuš, Marijan; Sepiol, Bogdan; Peterlik, Herwig; Ivanda, Mile; Musić, Svetozar. Formation of RuO <sub>2</sub> nanoparticles by thermal decomposition of Ru(NO)(NO <sub>3</sub> ) <sub>3</sub> . // <i>Ceramics international</i> . <b>41</b> (2015) ; 7811-7815	2,605 (2014.)	IK
653.	Petrović, Željka; Ristić, Mira; Musić, Svetozar; Fabián, Martin. Nano/microstructure and optical properties of ZnO particles precipitated from zinc acetylacetonate. // <i>Journal of molecular structure</i> . <b>1090</b> (2015) ; 121-128	1,602 (2014.)	IK
654.	Petrović, Željka; Ristić, Mira; Musić, Svetozar; Sepiol, Bogdan; Peterlik, Herwig. The formation of ZnO nanoparticles from zinc gluconate. // <i>Ceramics international</i> . <b>41</b> (2015) ; 4975-4981	2,605 (2014.)	IK

655.	Poveda-Reyes, Sara; Meller-Oglialoro, Leonardo Ruben; Martinez-Haya, Rebeca; Gamboa-Martinez, Tatiana Carolina; Gomez Ribelles, Jose Luis; Gallego Ferrer, Gloria. Reinforcing an injectable gelatin hydrogel with pLLA microfibers: two routes for short fiber production. // <i>Macromolecular materials and engineering</i> . <b>300</b> (2015) ; 977-988	2,661 (2014.)	IK
656.	Poveda-Reyes, Sara; Rodrigo-Navarro, Aleixandre; Gamboa-Martinez, Tatiana C.; Rodriguez-Cabello, Jose C.; Quintanilla-Sierra, Luis; Edlund, Ulrica; Ferrer, Gloria Gallego. Injectable composites of loose microfibers and gelatin with improved interfacial interaction for soft tissue engineering. // <i>Polymer</i> . <b>74</b> (2015) ; 224-234	3,562 (2014.)	IK
657.	Poveda-Reyes, Sara; Gamboa-Martinez, Tatiana C.; Manzano, Sara; Hamdy Doweidar, Mohamed; Gomez Ribelles, Jose Luis; Ochoa, Ignacio; Gallego Ferrer, Gloria. Engineering interpenetrating polymer networks of Poly(2-Hydroxyethyl Acrylate) as ex vivo platforms for articular cartilage regeneration. // <i>International journal of polymeric materials and polymeric biomaterials</i> . <b>64</b> (2015) ; 745-754	3,568 (2014.)	IK
658.	Pustak, Anđela; Denac, Matjaž; Leskovic, Mirela; Švab, Iztok; Musil, Vojko; Šmit, Ivan. Polypropylene/silica micro- and nanocomposites modified with poly(styrene-b-ethylene-co-butylene-b-styrene). // <i>Journal of applied polymer science</i> . <b>132</b> (2015) , 6; 41486-41498	1,768 (2014.)	IK
659.	Pustak, Anđela; Denac, Matjaž; Leskovic, Mirela; Švab, Iztok; Vojko, Musil; Ivan, Šmit. Morphology and mechanical properties of iPP/silica composites modified with (styrene-b-ethylene-co-butylene-b-styrene) grafted with maleic anhydride. // <i>Polymer-Plastics Technology and Engineering</i> . <b>54</b> (2015) , 6; 647-660	1,481 (2012.)	IK
660.	Raić-Malić, Silvana; Mešičić, Andriana. Recent trends in 1, 2, 3-triazolo-nucleosides as promising anti-infective and anticancer agents. // <i>Current medicinal chemistry</i> . <b>22</b> (2015) ; 1462-1499	3,853 (2014.)	IK
661.	Rastija, Vesna; Agić, Dejan; Tomić, Sanja; Nikolić, Sonja; Hranjec, Marijana; Karminski-Zamola, Grace; Abramić, Marija. Synthesis, QSAR, and molecular dynamics simulation of amidino-substituted nenzimidazoles as dipeptidyl peptidase III inhibitors. // <i>Acta Chimica Slovenica</i> . <b>62</b> (2015) , 4; 867-878	0,686 (2014.)	IK
662.	Ristić, Mira; Marčič, Marijan; Petrović, Željka; Ivanda, Mile; Musić, Svetozar. Formation and characterization of ribbon-like RuO <sub>2</sub> /Ru fibers. // <i>Materials letters</i> . <b>156</b> (2015) ; 142-145	2,489 (2014.)	IK
663.	Ristić, Mira; Opačak, Ivana; Štajdohar, Jasenka; Musić, Svetozar. The influence of CTAB and gum arabic on the precipitation of α-FeOOH in a highly alkaline medium. // <i>Journal of molecular structure</i> . <b>1090</b> (2015) ; 129-137	1,602 (2014.)	IK
664.	Rogina, Anamarija; Rico, Patricia; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. Effect of in situ formed hydroxyapatite on microstructure of freeze-gelled chitosan-based biocomposite scaffolds. // <i>European polymer journal</i> . <b>68</b> (2015) ; 278-287	3,005 (2014.)	IK
665.	Rotariu, Traian; Petre, Razvan; Zecheru, Teodora; Sućeska, Muhamed; Petrea, Nicoleta; Esanu, Sorin Comparative study of 9 x 19 mm ammunition combustion products and residues. // <i>Propellants, explosives, pyrotechnics</i> . <b>40</b> (2015) , 6; 931-937	1,604 (2014.)	KI
666.	Saftić, Dijana; Vianello, Robert; Žinić, Biserka. 5-triazolyluracils and their N1-sulfonyl derivatives: intriguing reactivity differences in the sulfonation of triazole N1'-substituted and N1'-unsubstituted uracil molecules. // <i>European journal of organic chemistry</i> . <b>35</b> (2015) ; 7695-7704	3,065 (2014.)	IK

667.	Selmani, Atiđa; Coha, Ivana; Magdić, Katja; Čolović, Božana; Jakanović, Vukoman; Šegota, Suzana; Gajović, Srećko; Gajović, Andreja; Jurašin, Darija; Dutour Sikirić, Maja. Multiscale study of the cationic surfactants influence on amorphous calcium phosphate precipitation. // <i>Crystal engineering communication</i> . <b>17</b> (2015) ; 8529-8548	4,034 (2014.)	IK
668.	Sović, Irena; Viskić, Marko; Bertoša, Branimir; Ester, Katja; Kralj, Marijeta; Hranjec, Marijana; Karminski-Zamola, Grace. Exploring antiproliferative activity of heteroaromatic amides and their fused derivatives using 3D-QSAR, synthesis and biological tests. // <i>Monatshefte für Chemie</i> . <b>146</b> (2015) , 9; 1503-1517	1,222 (2014.)	IK
669.	Starčević, Antonio; Moura-da-Silva, Ana M.; Cullum, J.; Hranueli, Daslav; Long, Paul F. Combinations of long peptide sequence blocks can be used to describe toxin diversification in venomous animals. // <i>Toxicon</i> . <b>95</b> (2015) ; 84-92	2,492 (2014.)	IK
670.	Starčević, Kristina; Krstulović, Luka; Brozić, Diana; Maurić, Maja; Stojević, Zvonko; Mikulec, Željko; Bajić, Miroslav; Mašek Tomislav. Production performance, meat composition and oxidative susceptibility in broiler chicken fed with different phenolic compounds. // <i>Journal of the science of food and agriculture</i> . <b>95</b> (2015) ; 1172-1178	1,714 (2014.)	IK
671.	Steinberg, Matthew; Kassal, Petar; Kereković, Irena; Steinberg, Ivana. A wireless potentiostat for mobile chemical sensing and biosensing. // <i>Talanta</i> . <b>143</b> (2015) ; 178-183	3,545 (2014.)	IK
672.	Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Martinović, Tamara; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Snoeck, Robert; Andrei, Graciela; Schols, Dominique; Wittine, Karlo; Mintas, Mladen. Novel halogenated 3-deazapurine, 7-deazapurine and alkylated 9-deazapurine derivatives of L-ascorbic or imino-L-ascorbic acid: Synthesis, antitumour and antiviral activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>102</b> (2015) ; 288-302	3,447 (2014.)	IK
673.	Stolić, Ivana; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Stepanić, Višnja; Verbanac, Donatella; Bajić, Miroslav. Synthesis and structure-activity relationship of amidine derivatives of 3, 4-ethylenedioxythiophene as novel antibacterial agents. // <i>European journal of medicinal chemistry</i> . <b>90</b> (2015) ; 68-81	3,447 (2014.)	IK
674.	Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa; Soler, Anna; Clapes, Pere. A new concept for production of (3S, 4R)-6- [(benzyloxycarbonyl)amino]-5, 6-dideoxyhex-2-ulose, a precursor of D-fagomine. // <i>RSC Advances</i> . <b>5</b> (2015) ; 69819-69828	3,840 (2014.)	KI
675.	Sutlović, Davorka; Borić, Igor; Zulim, Tamara; Vučinović, Ana. Identification process of skeletal remains from mass graves: our experience and proposal guidelines. // <i>Legal medicine</i> . <b>17</b> (2015) ; 102-108	1,238 (2014.)	IK
676.	Šabić, Monika; Čižmek, Lara; Vuković Domanovac, Marija; Meštrović, Ernest. Biodegradation of erythromycin with environmental microorganism <i>Pseudomonas aeruginosa</i> 3011. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 367-373	0,802 (2014.)	KI
677.	Šagud, Ivana; Antol, Ivana; Marinić, Željko; Šindler-Kulyk, Marija. Photoinduced intramolecular formal [4 + 2] cycloaddition of aryl-substituted o-vinylstyryl-2-oxazoles to form benzo[f]quinoline derivatives: experimental results and theoretical interpretation. // <i>Journal of Organic Chemistry</i> . <b>80</b> (2015) ; 9535-9541	4,721 (2014.)	IK
678.	Šamec, Dunja; Gruz, Jiri; Durgo, Ksenija; Kremer, Dario; Kosalec, Ivan; Valek Žulj, Lidija; Martinez, Sanja; Salopek-Sondi, Branka; Piljac-Žegarac, Jasenka. Molecular and cellular approach in the study of antioxidant/prooxidant properties of <i>Micromeria croatica</i> (Pers.) Schott. // <i>Natural product research</i> . <b>29</b> (2015) , 18; 1770-1774	0,919 (2014.)	IK

679.	Škalamera, Đani; Bohne, Cornelia; Landgraf, Stephan; Basarić, Nikola. Photodeamination reaction mechanism in aminomethyl p-cresol derivatives: different reactivity of amines and ammonium salts. // <i>Journal of organic chemistry</i> . <b>80</b> (2015) ; 10817-10828	4,721 (2014.)	IK
680.	Šmidt, Marina; Kušić, Hrvoje Juretić, Daria; Novak Stankov, Mirjana; Ukić, Šime; Bolanča, Tomislav; Rogošić, Marko; Lončarić Božić, Ana. Modeling photooxidative degradation of aromatics in water ; optimization study using response surface and structural-relationship approaches. // <i>Industrial &amp; engineering chemistry research</i> . <b>54</b> (2015) , 20; 5427-5441	2,587 (2014.)	IK
681.	Tarle, Zrinka; Attin, Thomas; Marović, Danijela; Andermatt, L.; Ristić, Mira; Tauböck, Tobias T. Influence of irradiation time on subsurface degree of conversion and microhardness of high-viscosity bulk-fill resin composites. // <i>Clinical oral investigations</i> . <b>19</b> (2015) , 4; 831-840	2,352 (2014.)	IK
682.	Touabi, Noura; Martinez, Sanja; Bounoughaz, Moussa. Optimization of electrochemical copper recovery process: effect of the rotation speed in chloride medium of pH=3. // <i>International Journal of Electrochemical Science</i> . <b>10</b> (2015) ; 7227-7240	1,500 (2014.)	IK
683.	Ukić, Šime; Novak, Mirjana; Krilić, Anamarija; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part III: Fuzzy logic QSRR approach. // <i>Chromatographia</i> . <b>78</b> (2015) ; 889-898	1,411 (2014.)	IK
684.	Valek Žulj, Lidija; Serdar, Marijana; Martinez, Sanja. Effect of tartrate on the electrochemical behaviour and semiconductive properties of passive film on steel in saturated calcium hydroxide. // <i>Materials and corrosion</i> . <b>66</b> (2015) , 11; 1344-1353	1,373 (2014.)	IK
685.	Velić, Natalija; Galović, Olivera; Sak-Bosnar, Milan; Rezić, Tonči; Šantek, Božidar; Stanić, Ana. Optimization of ISEs for simultaneous NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> and NO <sub>2</sub> <sup>-</sup> monitoring in synthetic wastewater using Solver. // <i>Environmental engineering and management journal</i> . <b>14</b> (2015) , 3; 681-688	1,065 (2014.)	IK
686.	Vikingsson, L.; Claessens, B.; Gomez-Tejedor, J. A.; Gallego Ferrer, Gloria; Gomez Ribelles, J. L. Relationship between micro-porosity, water permeability and mechanical behavior in scaffolds for cartilage engineering. // <i>Journal of the mechanical behavior of biomedical materials</i> . <b>48</b> (2015) ; 60-69	3,417 (2014.)	IK
687.	Vikingsson, L.; Gomez-Tejedor, J. A.; Gallego Ferrer, Gloria; Gomez Ribelles, J. L. An experimental fatigue study of a porous scaffold for the regeneration of articular cartilage. // <i>Journal of biomechanics</i> . <b>48</b> (2015) ; 1310-1317	2,751 (2014.)	IK
688.	Vranješ Penava, Nina; Rek, Vesna; Slouf, Miroslav; Jelčić, Želimir. Influence of ethylene-propylene-diene terpolymer addition on processing parameters, phase structure and thermal behaviour of polypropylene/low-density polyethylene blends. // <i>Journal of elastomer and plastics</i> . <b>47</b> (2015) , 6; 502-514	0,773 (2014.)	KI
689.	Vrdoljak, Višnja; Prugovečki, Biserka; Pulić, Ivana; Cigler, Marko; Sviben, Dora; Parlov Vuković, Jelena; Novak, Predrag; Matković- Čalogović, Dubravka; Cindrić, Marina. Dioxidomolybdenum(VI) complexes with isoniazid-related hydrazones: solution-based, mechanochemical and UV-light assisted deprotonation. // <i>New journal of chemistry</i> . <b>39</b> (2015) ; 7322-7332	3,086 (2014.)	IK
690.	Vukušić, Tina; Prkić, Ante; Giljanović, Josipa; Sokol, Vesna; Bošković, Perica. Direct potentiometric determination of penicillamine in real samples by using copper ISE. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 3; 255-258	0,728 (2014.)	IK
691.	Weston, Andrew J.; Dunlap, Walter C.; Beltran, Victor H.; Starčević, Antonio; Hranueli, Daslav; Ward, Malcolm; Long, Paul F. Proteomics links the redox state to calcium signaling during bleaching of the scleractinian coral <i>Acropora microphthalma</i> on exposure to high solar irradiance and thermal stress. // <i>Molecular &amp; cellular proteomics</i> . <b>14</b> (2015) , 3; 585-895	6,564 (2014.)	IK

692.	Zrnčić, Mirta; Babić, Sandra; Mutavdžić Pavlović, Dragana. Determination of thermodynamic pKa values of pharmaceuticals from five different groups using capillary electrophoresis. // <i>Journal of separation science</i> . <b>38</b> (2015) ; 1232-1239	2,737 (2014.)	IK
693.	Župančić, Nataša; Ban, Željka; Matić, Josipa; Saftić, Dijana; Glavaš-Obrovac, Ljubica; Žinić, Biserka. Synthesis and biological activity of reversed pyrimidine nucleosides. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 1; 43-52	0,728 (2014.)	IK

**Tablica 5.1.1.** Popis radova mentora u bazi podataka Scopus, bez baze podataka WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 5.1.)

	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	STUDIJ
1.	Benci, Krešimir; Suhina, Tomislav; Mandić, Leo; Kraljević Pavelić, Sandra; Tomljenović Paravić, Andrea; Pavelić, Krešimir; Balzarini, Jan; Wittine, Karlo; Mintas, Mladen. Novel 1, 2, 4-triazole and purine acyclic cyclopropane nucleoside analogues : synthesis, antiviral and cytostatic activity evaluations. // <i>Antiviral Chemistry &amp; Chemotherapy</i> . <b>21</b> (2011) ; 221-230	IK
2.	Bolf, Nenad. Softverski senzori - alat suvremenog kemijskog inženjerstva. // <i>Kemija u industriji</i> . <b>60</b> (2011) , 4; 193-199	KI
3.	Ćurković, Lidija; Rede, Vera; Lalić, Marijo. Statistical analysis of fracture toughness of SiC ceramics determined by Vickers indentation method. // <i>International journal of microstructure and materials properties</i> . <b>6</b> (2011) , 5; 359-365	IK
4.	Gligora Udovič, Marija; Kralj Borojević, Koraljka; Žutinić, Petar; Sipos, Laszlo; Plenković-Moraj, Anđelka. Net-phytoplankton species dominance in a travertine riverine Lake Visovac, NP Krka. // <i>Natura Croatica : periodicum Musei historiae naturalis Croatici</i> . <b>20</b> (2011) , 2; 411-424	IK
5.	Horvatinčić, Nada; Barešić, Jadranka; Krajcar Bronić, Ines; Karman, Krisztina; Forisz, Istvan; Obelić, Bogomil. Study of the bank filtered groundwater system of the Sava River at Zagreb (Croatia) using isotope analyses. // <i>Central European geology</i> . <b>54</b> (2011) , 1-2; 121-127	KI
6.	Ivanković, Marica. Nanomaterijali i nanoproizvodi - mogućnosti i rizici. // <i>Polimeri</i> . <b>32</b> (2011) , 1; 23-28	IK
7.	Marović, Danijela; Tarle, Zrinka; Ristić, Mira; Musić, Svetozar; Škrtić, Drago; Hiller, Karl-Anton; Schmalz, Gottfried Influence of different types of fillers on the degree of conversion of ACP composite resins. // <i>Acta stomatologica Croatica</i> . <b>45</b> (2011) , 4; 231-238	IK
8.	Matijević, Božidar; Ćurković, Lidija; Rede, Vera Characterization and determination of Ni-P coating sputtering rate. // <i>International journal of microstructure and materials properties</i> . <b>6</b> (2011) , 6; 479-485	IK
9.	Mlinarić-Majerski, Kata; Šekutor, Marina; Škorić, Irena. 70. Obljetnica prve sinteze adamantana. // <i>Kemija u industriji</i> . <b>60</b> (2011) , 12; 619-631	IK



10.	Movre Šapić, Iva; Volovšek, Vesna; Furić, Krešimir; Bistričić, Lahorija; Dananić, Vladimir. Raman analysis of polymerization of APST molecule. // <i>Macromolecular symposia</i> . <b>305</b> (2011) , 1; 122-125	IK
11.	Paliska, J.; Stipetić, A.; Tarle, Z.; Ristić, Mira; Ban, T.; Vujičić, N.; Pichler, G. Colorimetric assessment of different tooth whitening procedures. // <i>Acta stomatologica Croatica</i> . <b>45</b> (2011) , 4; 258-267	IK
12.	Stolić, Ivana; Bajić, Miroslav. Diarilamidini: Dizajn, interakcija s DNA i biološka aktivnost. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>60</b> (2011) , 5; 277-288	IK
13.	Stolić, Ivana; Bajić, Miroslav. Sinteza diarilamidina. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>60</b> (2011) , 11; 551-560	IK
14.	Sučeska, Muhamed; Ang, H.G.; Chan, H.Y Modification of BKW EOS introducing density-dependent molecular covolumes concept. // <i>Materials science forum</i> . <b>673</b> (2011) , -; 47-52	KI
15.	Đokić, Maja; Bilandžić, Nina; Briški, Felicita. Postupci uklanjanja pesticida iz okoliša. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 7-8; 341-348	KI
16.	Findrik, Zvezdana; Smailbegović, Emina; Prkačin, Mirjana; Vasić-Rački, Đurđa. Izolacija i kinetička karakterizacija fumaraze iz pekarskog kvasca. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 5; 273-280	KI
17.	Parlov Vuković, Jelena; Srića, Vlasta; Novak, Predrag. Primjena spektroskopije NMR u analizi naftnih derivata i proizvoda. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>61</b> (2012) , 11-12; 513-522	IK
18.	Peternel, Igor; Ptiček Siročić, Anita; Koprivanac, Natalija. Peroksodisulfatne soli kao novo fotooksidacijsko sredstvo za obradu obojenih otpadnih voda. // <i>Tekstil</i> . <b>61</b> (2012) , 1-6; 107-115	KI
19.	Rolich, Tomislav; Grundler, Darko. Genetic algorithm aided antenna placement in 3D and parameter determination considering electromagnetic field pollution constraints. // <i>CIT. Journal of computing and information technology</i> . <b>20</b> (2012) , 2; 41-49	KI
20.	Vuković, Marija; Ćosić, Ivana; Kolačko, Kristijan; Briški, Felicita. Kinetika biorazgradnje organskih tvari u procjednoj vodi iz duhanskog otpada. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 9-10; 417-425.	KI
21.	Dražević, Emil; Košutić, Krešimir. Utjecaj hidrodinamičkih uvjeta u membranskom uređaju na separacijsku učinkovitost reverzno osmotskih i nanofiltracijskih membrana. // <i>Hrvatske vode</i> . <b>85</b> (2013) ; 205-214	IK
22.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Nitinol Modified by Calcium Phosphate Coatings Prepared by Sol-Gel and Electrodeposition Methods. // <i>ECS Transactions</i> . <b>53</b> (2013) ; 83-93	IK

23.	Klarić, Eva; Marciuš, Marijan; Ristić, Mira; Sever, Ivan; Prskalo, Katica; Tarle, Zrinka Surface changes of enamel and dentine after two different bleaching procedures. // <i>Acta clinica Croatica</i> . <b>52</b> (2013) ; 419-429	IK
24.	Kubuki, S; Shibano, K.; Akiyama, K.; Homonnay, Z.; Kuzmann, E.; Ristić, Mira; Nishida, T Decomposition mechanism of methylene blue caused by metallic iron-maghemite mixture. // <i>Hyperfine interactions</i> . <b>218</b> (2013) , 1-3; 47-52	IK
25.	Magdić, Katja; Horvat-Radošević, Višnja. Uloga elektrokemijske impedancijske spektroskopije u karakterizaciji elektroda i uređaja za pretvorbu i skladištenje energije. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>62</b> (2013) , 3-4; 81-91	IK
26.	Štefančić, Sanja; Ćurković, Lidija; Baršić, Gorana; Majić Renjo, Marijana; Mehulić, Ketij. Investigation of glazed Y-TZP dental ceramics corrosion by surface roughness measurement. // <i>Acta stomatologica Croatica</i> . <b>47</b> (2013) , 2; 163-168	IK
27.	Vojnović, Branka; Margeta, Karmen; Šiljeg, Mario; Cerjan-Stefanović, Štefica; Ljerka, Bokić. Primjena prirodnih zeolita u zaštiti okoliša. // <i>Sigurnost : časopis za sigurnost u radnoj i životnoj okolini</i> . <b>55</b> (2013) ; 209-218	IK
28.	Gaálová, Jana; Jirátová, Květuše; Klempa, Jan; Šolcová, Olga; Maupin, Irene; Mijoin; Jerome; Magnoux, Patrick; Barbier, Jacques Jr. Zeolite and mixed oxide catalysts for VOCs oxidation. // <i>WSEAS Transactions on environment and development</i> . <b>10</b> (2014) ; 135-144	KI
29.	Govorčin Bajsić, Emi; Filipan, Veljko; Očelić Bulatović, Vesna. Effect of silane treated and untreated talc on the properties of thermoplastic Polyurethane/Polypropilene blends. // <i>Advanced materials research</i> . <b>849</b> (2014) ; 121-126	KI
30.	Herner, Željko; Bažok, Renata; Briški, Felicita. Biodegradation of imidacloprid in an open compost pile. // <i>Journal of food agriculture &amp; environment</i> . <b>12</b> (2014) , 3/4; 198-202	KI
31.	Kurajica, Slanislav; Lozić, Iva; Pantaler, Martina. Thermal decomposition of calcium(II) bis(acetylacetonate) n-hydrate. // <i>Polimeri: časopis za plastiku i gumu</i> . <b>35</b> (2014) , 1-2; 4-9	IK
32.	Movre Šapić, Iva; Bistričić, Lahorija; Volovšek Vesna; Dananić, Vladimir. Vibrational analysis of 3-Glycidoxypropyltrimethoxysilane polymer. // <i>Macromolecular symposia</i> . <b>339</b> (2014) , 1; 122-129	IK
33.	Očelić Bulatović, Vesna; Govorčin Bajsić, Emi; Filipan, Veljko. Compatibilization of Thermoplastic polyurethane and polypropylene with a SEBS compatibilizer. // <i>Advanced materials research</i> . <b>1025-1026</b> (2014) ; 605-614	KI
34.	Shibano, Koya; Kubuki, Shiro; Akiyama, Kazuhiko; Homonnay, Zoltán; Kuzmann, Ernő; Krehula, Stjepko; Ristić, Mira; Nishida, Tetsuaki Local structure and water cleaning ability of iron oxide nanoparticles prepared by hydrothermal reaction. // <i>Hyperfine interactions</i> . <b>226</b> (2014) , 1-3; 489-497	IK
35.	Takahashi, Yusuke; Kubuki, Shiro; Akiyama, Kazuhiko; Sinkó, Katalin; Kuzmann, Erno; Homonnay, Zoltan; Ristić, Mira; Nishida, Tetsuaki Visible light activated photo-catalytic effect and local structure of iron silicate glass prepared by sol-gel method. // <i>Hyperfine interactions</i> . <b>226</b> (2014) , 1-3; 747-753	IK
36.	Wittine, Ozren; Maduna Valkaj, Karolina, Zrnčević, Stanka. Obrada fenolne otpadne vode katalitičkim oksidacijskim procesima. // <i>Hrvatske vode</i> . <b>22</b> (2014) , 90; 287-296	KI

37.	Faraguna, Fabio; Jukić, Ante. Novi petrokemijski procesi na temelju izravne pretvorbe metana. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 1-2; 27-37	IK
38.	Grčić, Ivana; Vrsaljko, Domagoj; Katančić, Zvonimir; Papić, Sanja Purification of household greywater loaded with hair colorants by solar photocatalysis using TiO <sub>2</sub> -coated textile fibers coupled flocculation with chitosan. // <i>Journal of water process engineering</i> . <b>5</b> (2015) ; 15-27	IK
39.	Kralik, Gordana; Sak-Bosnar, Milan; Kralik, Zlata; Galović, Olivera; Grčević, Manuela, Kralik, Igor. Effect of $\beta$ -alanine and L-histidine on concentration of carnosine in muscle tissue and oxidative stability of chicken meat. // <i>Poljoprivreda (Osijek)</i> . <b>21</b> (2015) , 1 (Dodatak); 190-194	IK
40.	Krstulović, Luka; Saftić, Dijana : Matić, Josipa; Bajić, Miroslav; Žinić Biserka. 1, 3-Dipolarna cikloadicija (II. dio): Trokomponentne Cu(I) katalizirane klik-reakcije. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 9-10; 499-512	IK
41.	Maduna Valkaj, Karolina; Kaselj, Ivona; Smolković, Josipa; Zrnčević, Stanka; Kumar, Narendra; Murzin, Dmitry Yu Catalytic wet peroxide oxidation of olive oil mill wastewater over zeolite based catalyst. // <i>Chemical engineering transactions</i> . <b>43</b> (2015) ; 853-858	KI
42.	Majić Renjo, Marijana; Ćurković, Lidija; Grilec, Krešimir Erosion Resistance of Slip Cast Composite Al <sub>2</sub> O <sub>3</sub> - ZrO <sub>2</sub> Ceramics. // <i>Procedia engineering</i> . <b>100</b> (2015) ; 1133-1140	IK
43.	Saftić, Dijana; Krstulović, Luka; Bajić, Miroslav; Žinić, Biserka. 1, 3-Dipolarna cikloadicija (I. dio): Dobivanje 1, 2, 3-triazolnih derivata u nukleozidnoj kemiji. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 9-10; 481-498	IK
44.	Šabić, Monika; Vuković Domanovac, Marija; Findrik Blažević, Zvezdana; Meštrović, Ernest. Kinetika bioremedijacije farmaceutske industrijske otpadne vode. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 5-6; 229-236	KI
45.	Brnardić, Ivan; Matusinović, Zvonimir; Šipušić, Juraj; Macan, Jelena. Thermal properties of epoxy resin/layered double hydroxide intercalated nanocomposites. // <i>Polimeri</i> . <b>33</b> (2012) , 2; 52-57	KI, IK
46.	Tišma, Marina; Komar, Marij; Rajić, Marina; Pavlović, Hrvoje; Zelić, Bruno. Decolorization of dyes by <i>Aspergillus ochraceus</i> cultivated under solid state fermentation on sugar beet waste. // <i>Chemical engineering transactions</i> . <b>27</b> (2012) ; 145-150	KI, IK

**Tablica 5.2.** Izvori financiranja znanstvenih projekata (sredstva naplaćena tijekom kalendarske 2015.)

God. početka	Projekt (naziv)	Trajanje projekta (mjeseci)	Državni proračun (MZOS)	Državni proračun (ostalo)	Proračun lokalnih jedinica	EU fondovi	Gospodarstvo – privatni sektor	Gospodarstvo – javna poduzeća	Ostalo	UKUPNO (kn)
<b>DOMAĆI</b>										
2012.	Ekološki prihvatljiva zaštita metalnih konstrukcija izloženih agresivnom djelovanju mora 2012. – 2015. (Helena Otmačić Čurković)	36		247.341,42 (HRZZ)						247.341,42
2014.	Sinteza i citostatska ispitivanja biblioteke novih dušikovih heterocikla 2014. – 2018. (Silvana Raić-Malić)	48		225.384,00 (HRZZ)						225.384,00
2014.	Environmental implications of the application of nanomaterials in water purification technologies 2014 – 2017. (Hrvoje Kušić)	36		287.802,30 (HRZZ)						287.802,30
2014.	Development of photocatalytic polymer nanocomposites for wastewater treatment 2014. – 2018. (Zlata Hrnjak-Murgić)	48		0,00 (HRZZ)						0,00
2014.	High power-high energy electrochemical supercapacitor for hybrid electrical vehicles 2014. – 2018. (Zoran Mandić)	48		0,00 (HRZZ)						0,00
2015.	Modeliranje okolišnih aspekata napredne obrade voda za razgradnju prioriternih onečišćivala 2015. – 2019. (Tomislav Bolanča)	48		172.923,33 (HRZZ)						172.923,33
2015.	Razvoj materijala za 3D tiskanje mikroreaktora 2015. – 2018. (Domagoj Vrsaljko)	36		271.100,00 (HRZZ)						271.100,00
2015.	Sudbina farmaceutika u okolišu i tijekom naprednih postupaka obrade vode 2015. – 2019. (Sandra Babić)	48		250.000,00 (HRZZ)						250.000,00

God. početka	Projekt (naziv)	Trajanje projekta (mjeseci)	Državni proračun (MZOS)	Državni proračun (ostalo)	Proračun lokalnih jedinica	EU fondovi	Gospodarstvo – privatni sektor	Gospodarstvo – javna poduzeća	Ostalo	UKUPNO (kn)
<b>MEĐUNARODNI</b>										
2015.	Sustainable industrial processes based on a C-C bond forming enzyme platform – CARBAZYMES (action) 2015. – 2019. (Zvezdana Findrik Blažević)					1.164.881,99 (Obzor 2020)				1.164.881,99
2014.	Sinteza i citostatska djelovanja novih derivata pirola[2,3-d]pirimidina 2014. – 2015. (Tatjana Gazivoda Kraljević)		0,00 bilateralni (Slovenija)							0,00
2014.	Razvoj superkondenzatora visoke snage i energije temeljenima na litijevim anodnim materijalima i pseudokapacitivnim katodama 2014. – 2015. (Zoran Mandić)		0,00 bilateralni (Slovenija)							0,00
2014.	Nanostrukturirani TiO2 za fotokatalitičku razgradnju organskih onečišćivala u vodi uz sunčevo zračenje i fotokatalizu potpomognutu ultrazvukom 2014. – 2015. (Ivana Grčić)		7.668,00 bilateralni (Slovenija)							7.668,00
2014.	NMR karakterizacija aluminijska sec-butoksida modificiranog s etil acetoacetatom u različitim omjerima 2014. – 2015. (Stanislav Kurajica)		0,00 bilateralni (Slovenija)							0,00
2014.	Poboljšanje disperzivnosti ugljikovih nanocijevi u polimernim kompozitima kemijskom funkcionalizacijom 2014. – 2015. (Elvira Vidović)		30.000,00 bilateralni (Kina)							30.000,00
2015.	Samoorganizirajući monoslojevi organskih molekula kao inhibitori korozije u morskom okolišu 2015. – 2016. (Helena Otmačić Čurković)		23.156,00 bilateralni (Njemačka)							23.156,00
	<b>Ukupno</b>	<b>0,00</b>	<b>60.824,00</b>	<b>1.510.993,35</b>	<b>0,00</b>	<b>1.164.881,99</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>2.736.699,34</b>

**Tablica 5.3. Izvori financiranja stručnih projekata (sredstva naplaćena tijekom kalendarske 2015.)**

God. početka	Projekt (naziv)	Trajanje projekta (mjeseci)	Državni proračun	Proračun lokalnih jedinica	Međunarodni fondovi	Gospodarstvo (privatni sektor)	Gospodarstvo – javna poduzeća	Ostalo	UKUPNO (kn)
2015.	Institut IGH d.d Analiza uzoraka (Gordana Matijašić) 01/2015.	1				600,00			600,00
2015.	Dalekovod proizvodnja d.o.o. Izrada elaborata (Sanja Martinez) 02/2015.	3				35.000,00			35.000,00
2015.	Croatia airlines Analiza uzoraka (Gordana Matijašić) 01/2015.	1					3.062,50		3.062,50
2015.	Kaplast d.o.o. Analiza uzoraka (Zlata Hrnjak-Murčić) 04/2015.	1				1.062,50			1.062,50
2015.	Pliva Hrvatska Izrada elaborata (Igor Dejanović) 05/2015.	3				52.819,28			52.819,28
2015.	Drava d.o.o. International Izrada stručnog mišljenja (Zlata Hrnjak-Murčić) 02/2015.	2				3.812,50			3.812,50
2015.	TPK Nova Kemijska analiza (Gordana Matijašić) 01/2015.	1				1.200,00			1.200,00
2015.	Xellia d.o.o. Analiza uzoraka (Vilko Mandić) 03/2015.	1				15.600,00			15.600,00
2015.	TPK Nova Analiza uzoraka (Gordana Matijašić) 03/2015.	1				1.747,50			1.747,50
2015.	Croatia airlines Analiza uzoraka (Gordana Matijašić) 03/2015.	1					4.812,50		4.812,50
2015.	INA– Industija nafte d.d. Izrada stručnog mišljenja (Katica Sertić-Bionda) 02/2015.	2					18.750,00		18.750,00
2015.	World Transport Overseas Adriatic d.o.o. 03/2015. Analiza uzoraka (Sandra Babić) 03/2015.	1				625,00			625,00
2015.	Cedevita d.o.o. Izrada stručnog mišljenja (Zlata Hrnjak-Murčić) 04/2015.	2				8.562,50			8.562,50
2015.	Selk d.d. Kutina Izrada stručnog mišljenja (Sanja Martinez) 03/2015.	2				81.250,00			81.250,00
2015.	Kontrol biro Izrada stručnog mišljenja (Tomislav Bolanča) 04/2015.	2				12.500,00			12.500,00
2015.	Fakultet strojarstva i brodogradnje Analiza uzoraka (Stanislav Kurajica) 05/2015.	1	2.000,00						2.000,00
2015.	Mineral promet Analiza uzoraka (Stanislav Kurajica) 04/2015.	1				2.000,00			2.000,00
2015.	Centar za sigurnost d.o.o. Kemijska analiza (Vilko Mandić) 05/2015.	1				5.425,00			5.425,00
2015.	TPK Nova d.o.o. Izrada studije (Igor Dejanović) 05/2015.	3				17.325,00			17.325,00
2015.	LMB Kotlovski inženjering Analiza uzoraka (Gordana Matijašić) 06/2015.	1				650,00			650,00

God. početka	Projekt (naziv)	Trajanje projekta (mjeseci)	Državni proračun	Proračun lokalnih jedinica	Međunarodni fondovi	Gospodarstvo (privatni sektor)	Gospodarstvo – javna poduzeća	Ostalo	UKUPNO (kn)
2015.	Institut IGH Kemijska analiza (Gordana Matijašić)	1				600,00			600,00
2015.	Institut IGH Kemijska analiza (Zlata Hrnjak-Murgić) 07/2015.	1				187,50			187,50
2015.	Xelija d.o.o. Analiza uzoraka (Vilko Mandić) 07/2015.	1				7.200,00			7.200,00
2015.	Građevinski fakultet Izrada studije (Vilko Mandić) 06/2015.	3	6.000,00						6.000,00
2015.	Građevinski fakultet Analiza uzoraka (Vilko Mandić) 07/2015.	1	6.000,00						6.000,00
2015.	Končar – Institut za elektrotehniku Analiza uzoraka (Domagoj Vrsaljko) 07/2015.	1				37.500,00			37.500,00
2015.	Eurocable group d.d. Analiza uzoraka (Sanja Martinez) 07/2015.	1				5.625,00			5.625,00
2015.	Pliva Hrvatska d.o.o. Izrada elaborata (Marija Vuković Domanovac) 07/2015.	3				37.500,00			37.500,00
2015.	Xellia d.o.o. Izrada studije (Irena Kereković) 07/2015.	3				3.250,00			3.250,00
2015.	Metris – Centar za istraživanje materijala Izrada stručnog mišljenja (Sanja Martinez) 07/2015.	2		625,00					625,00
2015.	Građevinski fakultet Analiza uzoraka (Vilko Mandić) 07/2015.	1	14.105,00						14.105,00
2015.	Galko d.o.o. Analiza uzoraka (Mirela Leskovac) 07/2015.	1				2.437,50			2.437,50
2015.	Galko d.o.o. Analiza uzoraka (Mirela Leskovac) 09/2015.	1				1.625,00			1.625,00
2015.	Pliva Hrvatska d.o.o. Sinteza onečišćenja (Irena Škorić) 07/2015.	3				28.125,00			28.125,00
2015.	Institut IGH d.d. Kemijska analiza (Stanislav Kurajica) 09/2015.	1				937,50			937,50
2015.	Tehnička škola i prirodoslovna gimnazija Ruđer Bošković Edukacija srednjoškolskih nastavnika (Vesna Tomašić, Tomislav Bolanča, Krešimir Košutić) 09/2015.	1	4.999,95						4.999,95
2015.	Tekstilno-tehnološki fakultet Zagreb Analiza uzoraka (Mirela Leskovac) 10/2015.	1	6.600,00						6.600,00
2015.	Chromos Svjetlost d.o.o. Analiza uzoraka (Stanislav Kurajica) 10/2015.	1				1.000,00			1.000,00
2015.	Plast Tex Analiza uzoraka (Mirela Leskovac) 10/2015.	1				750,00			750,00
2015.	Goled d.o.o. Analiza uzoraka (Sanja Lučić Blagojević) 11/2015.	1				1.750,00			1.750,00

God. početka	Projekt (naziv)	Trajanje projekta (mjeseci)	Državni proračun	Proračun lokalnih jedinica	Međunarodni fondovi	Gospodarstvo (privatni sektor)	Gospodarstvo – javna poduzeća	Ostalo	UKUPNO (kn)
2015.	HEP proizvodnja Analiza uzoraka (Krunoslav Žižek) 10/2015. 11/2015.	1					1.200,00		1.200,00
2015.	Naftalan spec.bolnica za med. istraž. Izrada idejnog rješenja (Ante Jukić) 10/2015. 11/2015.	3	12.500,00						12.500,00
2015.	Croatia airlines Analiza uzoraka (Gordana Matijašić) 11/2015.	1					1.750,00		1.750,00
2015.	Telegra d.o.o. Analiza uzoraka (Zlata Hrnjak-Murgić) 12/2015.	1				1.250,00			1.250,00
2015.	Pliva Hrvatska d.o.o. Izrada elaborata (Nenad Bolf) 12/2015.	3				56.250,00			56.250,00
2015.	Institut IGH d.d. Kemijska analiza (Gordana Matijašić) 11/2015.	1				600,00			600,00
2015.	Xellia d.o.o. Izrada idejnog rješenja (Nenad Bolf) 12/2015.	3				115.000,00			115.000,00
2015.	Novum Spero d.o.o. Razvoj sinteze (Irena Škorić Tomislav Bolanča Bruno Zelić) 12/2015.	15				200.000,00			200.000,00
2015.	Comprehensive Water Technology d.o.o. Uzorkovanje, kem. analiza, montaža i praćenje rada pilot postrojenja (Marinko Markić) 10/2015.	12						0,00	0,00
2015.	Patent Portae d.o.o. Analiza uzoraka (Zlata Hrnjak-Murgić) 12/2015.	1				375,00			375,00
2015.	Medicinski fakultet Rijeka Analiza uzoraka (Gordana Matijašić) 12/2015.	1	6.000,00						6.000,00
2015.	AD Plastik d.o.o. Analiza destiliranih otapala (Tatjana Gazivoda Kraljević) 12/2015.	1				0,00			0,00
2015.	Tekstilno tehnološki fakultet Zagreb Analiza uzoraka (Emi Govorčin Bajsić) 12/2015.	1	0,00						0,00
2015.	Croatia airlines Analiza uzoraka (Gordana Matijašić) 12/2015.	1					2.625,00		2.625,00
2015.	Crotech d.o.o. Analiza uzoraka (Bruno Zelić) 12/2015.	1				0,00			0,00
2015.	Telegra d.o.o. Analiza uzoraka (Zlata Hrnjak-Murgić) 12/2015.	1				0,00			0,00
	<b>Ukupno</b>		<b>58.204,95</b>	<b>0,00</b>	<b>0,00</b>	<b>742.141,78</b>	<b>32.200,00</b>	<b>0,00</b>	<b>832.546,73</b>



**Tablica 5.4.** Popis znanstvenih i razvojnih projekata

a) Popis aktivnih znanstvenih i razvojnih projekata iz drugih nacionalnih izvora (UKF, HRZZ, ostale državne institucije ili domaće gospodarstvo) s imenima voditelja	
1.	Ekološki prihvatljiva zaštita metalnih konstrukcija izloženih agresivnom djelovanju mora 2012. – 2015. (Helena Otmačić Ćurković)
2.	Sinteza i citostatska ispitivanja biblioteke novih dušikovih heterocikla 2014. – 2018. (Silvana Raić-Malić)
3.	Environmental implications of the application of nanomaterials in water purification technologies 2014 – 2017. (Hrvoje Kušić)
4.	Development of photocatalytic polymer nanocomposites for wastewater treatment 2014. – 2018. (Zlata Hrnjak-Murgić)
5.	High power-high energy electrochemical supercapacitor for hybrid electrical vehicles 2014. – 2018. (Zoran Mandić)
6.	Modeliranje okolišnih aspekata napredne obrade voda za razgradnju prioritetnih onečišćivala 2015. – 2019. (Tomislav Bolanča)
7.	Razvoj materijala za 3D tiskanje mikroreaktora 2015. – 2018. (Domagoj Vrsaljko)
8.	Sudbina farmaceutika u okolišu i tijekom naprednih postupaka obrade vode 2015. – 2019. (Sandra Babić)
b) Popis aktivnih znanstvenih i razvojnih projekata iz međunarodnih izvora s imenima voditelja	
1.	Sustainable industrial processes based on a C-C bond forming enzyme platform – CARBAZYMES (Obzor 2020) 2015. – 2019. (Zvezdana Findrik Blažević)
2.	Sinteza i citostatska djelovanja novih derivata pirolo[2,3-d]pirimidina 2014. – 2015. (Tatjana Gazivoda Kraljević)
3.	Razvoj superkondenzatora visoke snage i energije temeljenima na litijevim anodnim materijalima i pseudokapacitivnim katodama 2014. – 2015. (Zoran Mandić)
4.	Nanostrukturirani TiO <sub>2</sub> za fotokatalitičku razgradnju organskih onečišćivala u vodi uz sunčevo zračenje i fotokatalizu potpomognutu ultrazvukom 2014. – 2015. (Ivana Grčić)
5.	NMR karakterizacija aluminijske sec-butoksida modificiranog s etil acetoacetatom u različitim omjerima 2014. – 2015. (Stanislav Kurajica)
6.	Poboljšanje disperzivnosti ugljikovih nanocijevi u polimernim kompozitima kemijskom funkcionalizacijom 2014. – 2015. (Elvira Vidović)
7.	Samoorganizirajući monoslojevi organskih molekula kao inhibitori korozije u morskom okolišu 2015. – 2016. (Helena Otmačić Ćurković)

**Tablica 5.5.** Bibliografija (u posljednjih 5 godina)

Vrsta radova*	Ukupan broj radova	Broj radova koji su proizašli iz suradnje s drugim visokim učilištima i znanstvenim organizacijama	Omjer: broj radova/broj nastavnika
<b>Znanstveni radovi u časopisima koji su zastupljeni u bazi CC, WoS (SSCI, SCI-expanded i A&amp;HCI) te Scopusu</b>	WoS: 442	WoS: 313	442/65=6,80
	Scopus bez WoS: 40	Scopus bez WoS: 25	40/65=0,62
<b>Ostali recenzirani radovi zastupljeni u bazama koje se priznaju za izbore u znanstvena zvanja</b>	-	-	-
<b>Autorstvo inozemno izdanih knjiga</b>	2	1	
<b>Autorstvo domaćih knjiga</b>	6	0	
<b>Radovi u domaćim časopisima s međunarodnom recenzijom</b>	CROSBI kategorija ZRDČ: 90*	CROSBI kategorija ZRDČ: 65*	90/65=1,38
Recenzirani radovi u zbornicima inozemnih i međunarodnih znanstvenih skupova***			
<b>Radovi u domaćim časopisima s domaćom recenzijom</b>	**	**	
Stručni radovi			
<b>Poglavlja u recenziranim knjigama</b>	28	20	28/65=0,43
Recenzirani radovi u zbornicima domaćih znanstvenih skupova***			
Uredništva inozemnih knjiga***			
Uredništva domaćih knjiga***			
Broj radova u časopisima vaše institucije			

\* Donekle se preklapa s kategorijom Scopus bez WoS, a uključuje i kategoriju Radovi u domaćim časopisima s domaćom recenzijom

\*\* Vidi \*

**Tablica 5.1.1.** Popis radova nastavnika u bazi podataka WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 5.5.)

R. br.	Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>	IF	Suradnja s drugim visokim učilištima i znanstvenim organizacijama
1.	Agić, Ante; Nikolić, Tatjana; Mijović, Budimir. Multiscale phenomena related to diabetic foot. // <i>Collegium antropologicum</i> . <b>35</b> (2011), 2; 419-425	0,614 (2011.)	DA
2.	Baranović, Ivana. Combinatorial bases of Feigin-Stoyanovsky's type subspaces of level 2 standard modules for $D_4^{(1)}$ . // <i>Communications in algebra</i> . <b>39</b> (2011), 3; 1007-1051	0,347 (2011.)	NE
3.	Bolanča, Tomislav; Ukić, Šime; Marinović Ruždjak, Andrea. Development of an ion chromatographic method for determination of inorganic anions in surface water by using computer assisted gradient optimization methodology. // <i>Acta chimica Slovenica</i> . <b>58</b> (2011), 1; 120-126	1,328 (2011.)	DA
4.	Bolanča, Tomislav; Ukić, Šime; Marinović Ruždjak, Andrea. Computer-assisted development of ad hoc methodology for monitoring of inorganic cations in surface water using gradient elution ion chromatography. // <i>Croatica chemica acta</i> . <b>84</b> (2011), 4; 487-492	0,763 (2011.)	DA

5.	Brostow, Witold; Kumar, Puneet; Vrsaljko, Domagoj; Whitworth, Jenna. Optimization of tribological and mechanical properties of nanocomposites of polyurethane/poly(vinyl acetate)/CaCO <sub>3</sub> . // <i>Journal of nanoscience and nanotechnology</i> . <b>11</b> (2011), 5; 3922-3928	1,563 (2011.)	DA
6.	Buljac, Maša; Bogner, Danijela; Cerjan-Stefanović, Štefica; Bolanča, Tomislav; Margeta, Karmen. Cr and Zn distribution in sediment from the semi-enclosed Kaštela Bay, the Adriatic Sea (Croatia). // <i>Fresenius environmental bulletin</i> . <b>20</b> (2011), 4; 853-860	0,660 (2011.)	DA
7.	Butković, Kristina; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija. Photochemical and thermal intramolecular 1, 3-dipolar cycloaddition reactions of new o-stilbene-methylene-3-sydnone and their synthesis. // <i>Beilstein journal of organic chemistry</i> . <b>7</b> (2011); 1663-1670	2,517 (2011.)	DA
8.	Butković, Kristina; Marinić, Željko; Šindler-Kulyk, Marija. Synthesis of 3-(o-stilbenyl)sydnone and 3-(o-stilbenyl)-4-substituted-sydnone derivatives and their antitumor evaluation. // <i>ARKIVOC</i> . (2011), 10; 1-15	1,252 (2011.)	DA
9.	Carlotti, Benedetta; Spalletti, Anna; Šindler-Kulyk, Marija; Elisei, Fausto. Ultrafast photoinduced intramolecular charge transfer in push-pull distyryl furan and benzofuran: solvent and molecular structure effect. // <i>Physical Chemistry Chemical Physics</i> . <b>13</b> (2011), 10; 4519-4528	3,573 (2011.)	DA
10.	Ciorba, Serena; Carlotti, Benedetta; Škorić, Irena; Šindler-Kulyk, Marija; Spalletti, Anna. Spectral properties and photobehaviour of 2, 5-distyrylfuran derivatives. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>219</b> (2011), 1; 1-9	2,421 (2011.)	DA
11.	Dejanović, Igor; Matijašević, Ljubica; Halvorsen, Ivar; Skogestad, Sigur; Jansen, Helmut; Kaibel, Bjorn; Olujić, Žarko. Designing four-product dividing wall columns for separation of a multicomponent aromatics mixture. // <i>Chemical engineering research &amp; design</i> . <b>89</b> (2011), 8; 1155-1167	1,968 (2011.)	DA
12.	Dejanović, Igor; Matijašević, Ljubica; Jansen, Helmut; Olujić, Žarko. Designing a packed dividing wall column for an aromatics processing plant. // <i>Industrial &amp; engineering chemistry research</i> . <b>50</b> (2011), 9; 5680-5692	2,237 (2011.)	DA
13.	Dejanović, Igor; Matijašević, Ljubica; Olujić, Žarko. An effective method for establishing the stage and reflux requirement of three-product dividing. // <i>Chemical and biochemical engineering quarterly</i> . <b>25</b> (2011), 2; 147-157	0,689 (2011.)	DA
14.	Dolar, Davor; Košutić, Krešimir; Vučić, Barbara. RO/NF treatment of wastewater from fertilizer factory - removal of fluoride and phosphate. // <i>Desalination</i> . <b>265</b> (2011), 1/3; 237-241	2,590 (2011.)	IK
15.	Dolar, Davor; Vuković, Ana; Ašperger, Danijela; Košutić, Krešimir. Effect of water matrices on removal of veterinary pharmaceuticals by nanofiltration and reverse osmosis membranes. // <i>Journal of environmental sciences-China</i> . <b>23</b> (2011), 8; 1299-1307	1,660 (2011.)	IK
16.	Doležal, Dubravka; Bolanča, Tomislav; Cerjan Stefanovic, Štefica. Development of UV/VIS spectrometric methodology for corrosion inhibitor residuals monitoring in oilfield brine. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>42</b> (2011), 3; 229-233	0,543 (2011.)	DA
17.	Dražević, Emil; Košutić, Krešimir; Fingler, Sanja; Drevenkar, Vlasta. Removal of pesticides from the water and their adsorption on the reverse osmosis membranes of defined porous structure. // <i>Desalination and water treatment</i> . <b>30</b> (2011); 161-170	0,614 (2011.)	DA

18.	Đopar, Marina; Kušić, Hrvoje; Koprivanac, Natalija. Treatment of simulated industrial wastewater by photo-Fenton process: Part I. The optimization of process parameters using design of experiments (DOE). // <i>Chemical engineering journal</i> . <b>173</b> (2011) , 2; 267-279	3,461 (2011.)	NE
19.	Gazivoda Kraljević, Tatjana; Petrović, Martina; Krištafor, Svjetlana; Makuc, Damjan; Plavec, Janez; Ross L., Tobias; Ametamey, Simon M.; Raić-Malić, Silvana. Methoxymethyl (MOM) group nitrogen protection of pyrimidines bearing C-6 acyclic side-chains. // <i>Molecules</i> . <b>16</b> (2011) , 6; 5113-5129	2,386 (2011.)	DA
20.	Glasnović, Zvonimir; Margeta, Jure. Vision of total renewable electricity scenario. // <i>Renewable &amp; sustainable energy reviews</i> . <b>15</b> (2011) , 4; 1873-1884	6,018 (2011.)	DA
21.	Glasnović, Zvonimir; Rogošić, Marko; Margeta, Jure. A model for optimal sizing of solar thermal hydroelectric power plant. // <i>Solar energy</i> . <b>85</b> (2011) , 5; 794-807	2,475 (2011.)	DA
22.	Glavnik, Vesna; Simonovska, Breda; Vovk, Irena; Mutavdžić Pavlović, Dragana; Ašperger, Danijela; Babić, Sandra. Quantification of (-)-Epicatechin and Procyanidin B2 in chocolates. // <i>JPC. Journal of planar chromatography, modern TLC</i> . <b>24</b> (2011) ; 482-486	0,767 (2011.)	DA
23.	Grčić, Ivana; Maljković, Marija; Papić, Sanja; Koprivanac, Natalija. Low frequency US and UV-A assisted Fenton oxidation of simulated dyehouse wastewater. // <i>Journal of hazardous materials</i> . <b>197</b> (2011) ; 272-284	4,173 (2011.)	NE
24.	Gusić, Ivica. A remark on the Diophantine equation $f(x)=g(y)$ . // <i>Glasnik matematički</i> . <b>46</b> (2011) , 2; 333-338	0,302 (2011.)	NE
25.	Hranjec, Marijana; Lučić, Borka; Ratkaj, Ivana; Kraljević Pavelić, Sandra; Piantanida, Ivo; Pavelić, Krešimir; Karminski-Zamola, Grace. Novel Imidazo[4, 5-b]Pyridine and Triaza-Benzo[c]Fluorene derivatives: synthesis, antiproliferative activity and DNA binding studies. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 7; 2748-2758	3,346 (2011.)	DA
26.	Hranjec, Marijana; Starčević, Kristina; Kraljević Pavelić, Sandra; Lučin, Pero; Pavelić, Krešimir; Karminski-Zamola, Grace. Synthesis, spectroscopic characterization and antiproliferative evaluation in vitro of novel Schiff bases related to benzimidazoles. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 6; 2274-2279	3,346 (2011.)	DA
27.	Hrkovac, Martina; Prlić Kardum, Jasna; Schuster, Anke; Ulrich, Joachim. Influence of additives on Glycine crystal characteristics. // <i>Chemical engineering &amp; technology</i> . <b>34</b> (2011) , 4; 611-618	1,598 (2011.)	DA
28.	Jarak, Ivana; Marjanović, Marko; Piantanida, Ivo; Kralj, Marijeta; Karminski-Zamola, Grace. Novel Pentamidine derivatives: synthesis, antitumor properties and polynucleotide-binding activities. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 7; 2807-2815	3,346 (2011.)	DA
29.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata. Study of flammability and thermal properties of high-impact polystyrene nanocomposites. // <i>Polymer degradation and stability</i> . <b>96</b> (2011) , 12; 2104-2111	2,769 (2011.)	DA
30.	Kikaš, Ilijana; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic and thermal oxygenation of a furan derivative. // <i>Tetrahedron letters</i> . <b>52</b> (2011) , 47; 6255-6259	2,683 (2011.)	DA

31.	Krebel, Marina; Kušić, Hrvoje; Koprivanac, Natalija; Meixner, Jarolim; Lončarić Božić, Ana. Treatment of chlorophenols by UV-based processes: correlation of oxidation by-products, wastewater parameters and toxicity. // <i>Journal of environmental engineering ASCE (New York, N.Y.)</i> . <b>137</b> (2011), 7; 639-649	1,312 (2011.)	DA
32.	Krištafor, Svjetlana; Gazivoda Kraljević, Tatjana; Ametamey, Simon M.; Cetina, Mario; Ratkaj, Ivana; Tandara Haček, Romana; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Syntheses and antitumor evaluation of C(6) Isobutyl and Isobutenyl substituted Pyrimidines and Dihydropyrrolo[1, 2-c]pyrimidin-1, 3-diones. // <i>Chemistry &amp; biodiversity</i> . <b>8</b> (2011), 8; 1455-1469	1,804 (2011.)	DA
33.	Krištafor, Svjetlana; Meščić, Andrijana; Cetina, Mario; Korunda, Silvija; Makuc, Damjan; Plavec, Janez; Raić-Malić, Silvana. Synthesis, structural and conformational studies of Z- and E-isomers of fluorinated C-6 isobutenyl N-methyl thymine derivatives. // <i>Journal of fluorine chemistry</i> . <b>132</b> (2011), 9; 573-578.	2,033 (2011.)	DA
34.	Krištafor, Svjetlana; Novaković, Ivana; Gazivoda Kraljević, Tatjana; Kraljević Pavelić, Sandra; Lučin, Pero; Westermaier, Yvonne; Pernot, Lucile; Scapozza, Leonardo; Ametamey, Simon; Raić-Malić, Silvana. A new N-methyl thymine derivative comprising a dihydroxyisobutenyl unit as ligand for thymidine kinase of herpes simplex virus type 1 (HSV-1 TK). // <i>Bioorganic &amp; medicinal chemistry letters</i> . <b>21</b> (2011), 20; 6161-6165	2,554 (2011.)	DA
35.	Kurajica, Stanislav; Tkalčec, Emilija; Gržeta, Biserka; Iveković, Damir; Mandić, Vilko; Popović, Jasminka; Kranželić, Dajana. Evolution of structural and optical properties in the course of thermal evolution of sol-gel derived cobalt-doped gahnite. // <i>Journal of alloys and compounds</i> . <b>509</b> (2011), 7; 3223-3228	2,289 (2011.)	DA
36.	Kurajica, Stanislav; Tkalčec, Emilija; Mandić, Vilko; Schmauch, Joerg. Mullite crystallization kinetics of lanthanum doped sol-gel derived precursors. // <i>Journal of the European ceramic society</i> . <b>31</b> (2011); 377-383	2,353 (2011.)	DA
37.	Kurajica, Stanislav; Tkalčec, Emilija; Matijašić, Gordana; Ćurković, Lidija; Schauerl, Zdravko; Šipušić, Juraj; Mandić, Vilko. Influence of agglomeration and contamination in the course of amorphous powder grinding on structure and microstructure of sintered Mullite. // <i>Croatica chemica acta</i> . <b>84</b> (2011), 1; 63-71	0,763 (2011.)	DA
38.	Kurajica, Stanislav; Mandić, Vilko; Šipušić, Juraj. Thermal evolution of Calcium aluminate gel. // <i>Journal of ceramic science and technology</i> . <b>2</b> (2011), 1; 15-22	0,538 (2014.)	NE
39.	Kušić, Hrvoje; Juretić, Daria; Koprivanac, Natalija; Marin, Vedrana; Lončarić Božić, Ana. Photooxidation processes for an azo dye in aqueous media : modeling of degradation kinetic and ecological parameters evaluation. // <i>Journal of hazardous materials</i> . <b>185</b> (2011), 2/3; 1558-1568	4,173 (2011.)	DA
40.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Treatment of chlorophenols in water matrix by UV/ferrioxalate system: Part I. Key process parameters evaluation by response surface methodology. // <i>Desalination</i> . <b>279</b> (2011), 1/3; 258-268	2,590 (2011.)	NE
41.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Treatment of chlorophenols in water matrix by UV/ferri-oxalate system: Part II. Degradation mechanisms and ecological parameters evaluation. // <i>Desalination</i> . <b>280</b> (2011), 1/3; 208-216	2,590 (2011.)	NE
42.	Kušić, Hrvoje; Leszczynska, Danuta; Koprivanac, Natalija; Peternel, Igor. The role of quantum dots nanoparticles in the chemical treatment of colored wastewater : catalysts or additional pollutants. // <i>Journal of environmental sciences-China</i> . <b>23</b> (2011), 9; 1479-1485	1,660 (2011.)	DA

43.	Kušić, Hrvoje; Peternel, Igor; Koprivanac, Natalija; Lončarić Božić, Ana. Iron activated persulfate oxidation of an azo dye in model wastewater : the influence of iron activator type and processes optimization. // <i>Journal of environmental engineering ASCE (New York, N.Y.)</i> . <b>137</b> (2011) , 6; 454-463	1,312 (2011.)	NE
44.	Kušić, Hrvoje; Peternel, Igor; Ukić, Šime; Koprivanac, Natalija; Bolanča, Tomislav; Papić, Sanja; Lončarić Božić, Ana. Modeling of iron activated persulfate oxidation treating reactive azo dye in water matrix. // <i>Chemical engineering journal</i> . <b>172</b> (2011) , 1; 109-121	3,461 (2011.)	NE
45.	Lopac, Vjera; Šimić, Ana. Chaotic properties of the truncated elliptical billiards. // <i>Communications in nonlinear science and numerical simulation</i> . <b>16</b> (2011) , 1; 309-323	2,806 (2011.)	DA
46.	Maduna Valkaj, Karolina; Katović, Andrea; Zrnčević, Stanka. Catalytic properties of Cu/13X zeolite based catalyst in catalytic wet peroxide oxidation of Phenol. // <i>Industrial &amp; engineering chemistry research</i> . <b>50</b> (2011) , 8; 4390-4397	2,237 (2011.)	DA
47.	Maduna Valkaj, Karolina; Wittine, Ozren; Margeta, Karmen; Granato, Teresa; Katović, Andrea; Zrnčević, Stanka. Phenol oxidation with hydrogen peroxide using Cu/ZSM5 and Cu/Y5 catalysts. // <i>Polish journal of chemical technology</i> . <b>136</b> (2011) , 3; 28-36	0,337 (2011.)	DA
48.	Marečić, Miroslav; Jović, Franjo; Kosar, Vanja; Tomašić, Vesna. Modelling of an annular photocatalytic reactor. // <i>Reaction kinetics, mechanisms and catalysis</i> . <b>103</b> (2011) , 1; 19-29	0,829 (2011.)	NE
49.	Margeta, Jure; Glasnović, Zvonimir. Exploitation of temporary water flow by hybrid PV-Hydroelectric Plant. // <i>Renewable energy</i> . <b>36</b> (2011) , 8; 2268-2277	2,978 (2011.)	DA
50.	Margeta, Jure; Glasnović, Zvonimir. Hybrid RES-HEP systems development. // <i>Water resources management</i> . <b>25</b> (2011) , 9; 2219-2239.	2,054 (2011.)	DA
51.	Margeta, Jure; Glasnović, Zvonimir. The role of water-energy storage in the PV-PSH power plant development. // <i>Journal of energy engineering ASCE</i> . <b>137</b> (2011) , 4; 187-197	0,483 (2011.)	DA
52.	Margeta, Jure; Glasnović, Zvonimir. Introduction of PV Energy Into an Existing HEP. // <i>IEEE transactions on energy conversion</i> . <b>26</b> (2011) , 3; 717-727	2,272 (2011.)	DA
53.	Margeta, Karmen; Vojnović Branka; Zabukovec Logar Nataša. Development of natural zeolites for their use in water-treatment systems. // <i>Recent patents on nanotechnology</i> . <b>5</b> (2011) , 2; 89-99	1,275 (2011.)	DA
54.	Martić, Miljen; Pernot, Lucile; Westermaier, Yvonne; Perozzo, Remo; Gazivoda Kraljević, Tatjana; Krištafor, Svjetlana; Raić-Malić, Silvana; Scapozza, Leonardo; Ametamey, Simon. Synthesis, crystal structure and in vitro biological evaluation of C-6 Pyrimidine derivatives: New lead structures for monitoring gene expression in vivo. // <i>Nucleosides, nucleotides and nucleic acids</i> . <b>30</b> (2011) ; 293-315	0,899 (2011.)	DA
55.	Marušić, Katarina; Otmačić Ćurković, Helena; Takenouti, Hisasi. Inhibiting effect of 4-methyl-1-p-tolylimidazole to the corrosion of bronze patinated in sulphate medium. // <i>Electrochimica acta</i> . <b>56</b> (2011) , 22; 7491-7502	3,832 (2011.)	DA

56.	Metikoš-Huković, Mirjana; Babić, Ranko; Grubač, Zoran; Petrović, Željka; Lajci, Nushe. High corrosion resistance of austenitic stainless steel alloyed with nitrogen in an acid solution. // <i>Corrosion science</i> . <b>53</b> (2011) , 6; 2176-2183	3,734 (2011.)	DA
57.	Metikoš-Huković, Mirjana; Babić, Ranko; Škugor, Ivana; Grubač, Zoran. Copper-nickel alloys modified with thin surface films: corrosion behavior in the presence of chloride ions. // <i>Corrosion science</i> . <b>53</b> (2011) , 1; 347-352	3,734 (2011.)	DA
58.	Metikoš-Huković, Mirjana; Babić, Ranko; Škugor Rončević, Ivana; Grubač, Zoran. Corrosion resistance of copper-nickel alloy under fluid jet impingement. // <i>Desalination</i> . <b>276</b> (2011) , 1/3; 228-232	2,590 (2011.)	DA
59.	Mužic, Marko; Sertić-Bionda, Katica; Adžamić, Tamara. Desulfurization of diesel fuel in a fixed bed adsorption column : experimental study and simulation. // <i>Petroleum science and technology</i> . <b>29</b> (2011) , 22; 2361-2371	0,335 (2011.)	NE
60.	Mužic, Marko; Sertić-Bionda, Katica; Adžamić, Tamara. The application of theoretical solutions to the differential mass balance equation for modeling of adsorptive desulfurization in a packed bed adsorber. // <i>Chemical engineering and processing</i> . <b>50</b> (2011) , 4; 409-416	1,924 (2011.)	NE
61.	Ninčević Grassino, Antonela; Milardović, Stjepan; Grabarić, Zorana; Grabarić, Božidar S. Amperometric assessment of glucose electrode behaviour in mixed solvents and determination of glucose in dairy products. // <i>Food chemistry</i> . <b>125</b> (2011), 4;1335-1339	3,655 (2011.)	DA
62.	Pedišić, Ljiljana; Ćurković, Lidija; Matijašić, Gordana; Sladojević, Milan. Characterization of the cooling liquid after the machining of Si and SiO <sub>2</sub> . // <i>Transactions of FAMENA</i> . <b>35</b> (2011) , 1; 75-82	0,103 (2011.)	IK
63.	Perin, Nataša; Hranjec, Marijana; Pavlović, Gordana; Karminski-Zamola, Grace. Novel aminated benzimidazo[1, 2-a]quinolines as potential fluorescent probes for DNA detection: microwave-assisted synthesis, spectroscopic characterization and crystal structure determination. // <i>Dyes and pigments</i> . <b>91</b> (2011) , 1; 79-88	3,126 (2011.)	DA
64.	Perin, Nataša; Uzelac, Lidija; Piantanida, Ivo; Karminski-Zamola, Grace; Kralj, Marijeta; Hranjec, Marijana. Novel biologically active nitro and amino substituted benzimidazo[1, 2-a]quinolines. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>19</b> (2011) , 21; 6329-6339	2,921 (2011.)	DA
65.	Petrović, Željka; Katić, Jozefina; Metikoš-Huković, Mirjana; Dadafarin, Hesam; Omanović, Saša. Modification of a Nitinol surface by phosphonate self-assembled monolayers. // <i>Journal of the electrochemical society</i> . <b>158</b> (2011) , 10; F159-F165	2,590 (2011.)	DA
66.	Petrović, Željka; Lajci, Nushe; Metikoš-Huković, Mirjana; Babić, Ranko. Barrier and semiconducting properties of thin anodic films on Cr in an acid solution. // <i>Journal of solid state electrochemistry</i> . <b>15</b> (2011) , 6; 1201-1207	2,131 (2011.)	DA
67.	Popović, Jasminka; Gržeta, Biserka; Rakvin, Boris; Tkalčec, Emilija; Vrankić, Martina; Kurajica, Stanislav. Partial inverse spinel structure of manganese- doped gahnite: XRD and EPR spectroscopy studies. // <i>Journal of alloys and compounds</i> . <b>509</b> (2011) , 34; 8487-8492	2,289 (2011.)	DA
68.	Racane, Livio; Čičak, Helena; Mihalić, Zlatko; Karminski-Zamola, Grace; Tralić-Kulenović, Vesna. New pentacyclic ring system: intramolecular cyclization of o, o'-disubstituted bibenzothiazoles. // <i>Tetrahedron</i> . <b>67</b> (2011) , 15; 2760-2767	3,025 (2011.)	DA

69.	Rogina, Anamarija; Šiško, Ivana; Mohler, Ivan; Ujević, Željka; Bolf, Nenad. Soft sensor for continuous product quality estimation (in crude distillation unit). // <i>Chemical engineering research &amp; design</i> . <b>89</b> (2011) , 10; 2070-2077	1,968 (2011.)	NE
70.	Sander, Aleksandra; Penović, Tomislav; Šipušić, Juraj. Crystalization of $\beta$ -glycine by spray drying. // <i>Crystal research and technology</i> . <b>46</b> (2011) , 2; 145-152	0,946 (2011.)	NE
71.	Somogyi Škoc, Maja; Macan, Jelena; Pezelj, Emira. Primjena sol-gel procesa za modifikaciju površine i svojstava tekstilija. // <i>Tekstil</i> . <b>60</b> (2011) , 1; 18-29	0,086 (2011.)	DA
72.	Sopčić, Suzana; Kraljić Roković, Marijana; Mandić, Zoran; Róka, András; Inzelt, György. Mass changes accompanying the pseudocapitance of hydrous RuO <sub>2</sub> under different experimental conditions. // <i>Electrochimica acta</i> . <b>56</b> (2011) , 10; 3543-3548	3,832 (2011.)	DA
73.	Sopčić, Suzana; Mandić, Zoran; Inzelt, György; Kraljić Roković, Marijana; Meštrović, Ernest. Ion dynamics in the pseudocapacitive reaction of hydrous ruthenium oxide. Effect of the temperature pre-treatment. // <i>Journal of power sources</i> . <b>196</b> (2011) , 10; 4849-4858	4,951 (2011.)	DA
74.	Sović, Irena; Stilinović, Vladimir; Kaitner, Branko; Kraljević Pavelić, Sandra; Bujak, Maro; Čuljak, Katarina; Novak, Predrag; Karminski-Zamola, Grace. Novel substituted 1-iminoisoindoline derivatives : synthesis, structure determination and antiproliferative activity. // <i>Journal of molecular structure</i> . <b>1006</b> (2011) , 1/3; 259-265	1,634 (2011.)	DA
75.	Stanković, Igor; Ternjej, Ivančica; Mihaljević, Zlatko; Furač, Lidija; Kerovec, Mladen. Crustacean plankton community (Crustacea: Copepoda & Cladocera) in gypsum karst lakes and their relation to abiotic parameters. // <i>Hydrobiologia</i> . <b>666</b> (2011) , 1; 145-153	1,784 (2011.)	DA
76.	Šagud, Ivana; Faraguna, Fabio; Marinić, Željko; Šindler-Kulyk, Marija. Photochemical approach to naphthoxazoles and fused hetero-benzoxazoles from 5-(phenyl/heteroarylethenyl)oxazoles. // <i>Journal of organic chemistry</i> . <b>76</b> (2011) , 8; 2904-2908	4,450 (2011.)	DA
77.	Šalić, Anita; Tušek, Ana; Kurtanjek, Želimir; Zelić, Bruno. Biotransformation in a microreactor : new way for production of hexanal. // <i>Biotechnology and bioprocess engineering</i> . <b>16</b> (2011) , 3; 495-504	1,278 (2011.)	DA
78.	Šalić, Anita; Tušek, Ana; Fabek, Diana; Rukavina, Ivana; Zelić, Bruno. Aqueous two phase extraction of polyphenols using a microchannel system – process optimization and intensification. // <i>Food technology and biotechnology</i> . <b>49</b> (2011) , 4; 495-501	1,195 (2011.)	DA
79.	Šimunović, Marina; Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Treatment of simulated industrial wastewater by photo-Fenton process: Part II. The development of mechanistic model. // <i>Chemical engineering journal</i> . <b>173</b> (2011) , 2; 280-289	3,461 (2011.)	NE
80.	Škorić, Irena; Kikaš, Ilijana; Kovács, Margit; Fodor, Lajos; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Horváth, Ottó. Synthesis, photochemistry and photophysics of butadiene derivatives: influence of the methyl group on the molecular structure and photoinduced behavior. // <i>Journal of organic chemistry</i> . <b>76</b> (2011) , 21; 8641-8657	4,450 (2011.)	DA
81.	Škorić, Irena; Pavošević, Fabijan; Vazdar, Mario; Marinić, Željko; Šindler-Kulyk, Marija; Eckert-Maksić, Mirjana; Margetić, Davor. Thermal reaction of [3, 4]-benzo-8-substituted- 3Z, 5Z, 7E-octatetraenes and quantum-chemical study of the (8 $\pi$ , 6 $\pi$ )-electrocyclisation. // <i>Organic &amp; biomolecular chemistry</i> . <b>9</b> (2011) , 19; 6771-6778	3,696 (2011.)	DA



82.	Tomašić, Vesna; Brnardić, Ivan; Jenei, Hrvoje; Kosar, Vanja; Zrnčević, Stanka. Combustion of active carbon as a model carbon material : comparison of non-catalytic and catalytic oxidation. // <i>Chemical and biochemical engineering quarterly</i> . <b>25</b> (2011) , 3; 283-287	0,689 (2011.)	DA
83.	Ujević, Željka; Mohler, Ivan; Bolf, Nenad. Soft sensors for splitter product properties estimation in CDU. // <i>Chemical engineering communications</i> . <b>198</b> (2011) , 12; 1566-1578	0,946 (2011.)	NE
84.	Ukić, Šime; Bolanča, Tomislav; Rogošić, Marko. Novel criteria for fast searching for optimal method in gradient ion chromatography : an integrated approach. // <i>Journal of separation science</i> . <b>34</b> (2011) , 7; 780-788	2,733 (2011.)	NE
85.	Valicsek, Zsolt; Horváth, Ottó; Lendvay, György; Kikaš, Ilijana; Škorić, Irena. Formation, photophysics, and photochemistry of cadmium(II) complexes with 5, 10, 15, 20- tetrakis(4-sulphonatophenyl)porphyrin and its octabromo derivative. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>218</b> (2011) , 1; 143-155	2,421 (2011.)	DA
86.	Vasić-Rački, Đurđa; Findrik, Zvezdana; Vrsalović Presečki, Ana. Modelling as a tool of enzyme reaction engineering for enzyme reactor development. // <i>Applied microbiology and biotechnology</i> . <b>91</b> (2011) , 4; 845-856	3,425 (2011.)	NE
87.	Vidović, Elvira; Klee, Doris; Höcker, Hartwig. Characterization of degraded hydrogels based on poly(vinyl alcohol) grafted with poly(lactide-co-glycolide). // <i>Journal of applied polymer science</i> . <b>119</b> (2011) , 3; 1322-1329	1,289 (2011.)	DA
88.	Vrsaljko, Domagoj; Hrnjak-Murčić, Zlata; Lučić Blagojević, Sanja; Leskovic, Mirela; Kratožil Krehula, Ljerka; Ptiček Siročić, Anita; Katančić, Zvonimir; Kovačević, Vera; Jelenčić, Jasenka. Effect of preparation on morphology-properties relationships in SAN/EPDM/PCC composites. // <i>Journal of composite materials</i> . <b>45</b> (2011) , 13; 1381-1393	1,068 (2011.)	NE
89.	Wittine, Karlo; Stipković Babić, Maja; Košutić, Marija; Cetina, Mario; Rissanen, Kari; Kraljević Pavelić, Sandra; Tomljenović Paravić, Andrea; Sedić, Mirela; Pavelić, Krešimir; Mintas, Mladen. The new 5- or 6-azapyrimidine and cyanuric acid derivatives of L-ascorbic acid bearing the free C-5 hydroxy or C-4 amino group at the ethylenic spacer: CD-spectral absolute configuration determination and biological activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>46</b> (2011) , 7; 2770-2785	3,346 (2011.)	DA
90.	Wittine, Karlo; Benci, Krešimir; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Bratulić, Siniša; Hock, Karlo; Balzarini, Jan; Mintas, Mladen. Synthesis, cytostatic and anti-viral activity evaluation of the novel acyclic nucleoside analogues containing a sterically constrained (Z)-4-amino-2-butenyl moiety. // <i>Medicinal chemistry research</i> . <b>20</b> (2011) , 3; 280-286	1,271 (2011.)	DA
91.	Završnik, Davorka; Muratović, Samija; Makuc, Damjan; Plavec, Janez; Cetina, Mario; Nagl, Ante; De Clercq, Erik; Balzarini, Jan; Mintas, Mladen. Benzylidene-bis-(4-Hydroxycoumarin) and Benzopyranocoumarin Derivatives: Synthesis, 1H/13C NMR Conformational and X-ray Crystal Structure Studies and in vitro Antiviral Activity Evaluations. // <i>Molecules</i> . <b>16</b> (2011) , 7; 6023-6040	2,386 (2011.)	DA
92.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High-shear vs. fluid-bed granulation process of dolomite : process modeling. // <i>Chemical and biochemical engineering quarterly</i> . <b>25</b> (2011) , 1; 1-8	0,689 (2011.)	NE
93.	Akrap, Marija; Kuzmanić, Nenad; Prlić Kardum, Jasna. Impeller geometry effect on crystallization kinetics of borax decahydrate in a batch cooling crystallizer. // <i>Chemical engineering research &amp; design</i> . <b>90</b> (2012) , 6; 793-802	1,927 (2012.)	DA
94.	Aleksić, Maja; Bertoša, Branimir; Nhili, Raja; Uzelac, Lidija; Jarak, Ivana; Depauw, Sabine; David-Cordonnier, Marie-Héle`ne; Kralj, Marijeta; Tomić, Sanja; Karminski-Zamola, Grace. Novel substituted benzothiophene- and thienothiophene-carboxanilides and	5,614 (2012.)	DA

	quinolones : synthesis, photochemical Synthesis, DNA-binding properties, antitumor evaluation and 3D-derived QSAR analysis. // <i>Journal of medicinal chemistry</i> . <b>55</b> (2012) ; 5044-5060		
95.	Babić, Sandra; Grdiša, Martina; Periša, Martina; Ašperger, Danijela; Šatović, Zlatko; Kaštelan- Macan, Marija. Ultrasound-assisted extraction of pyrethrins from pyrethrum flowers. // <i>Agrochimica (Pisa)</i> . <b>56</b> (2012) , 4/5; 193-206	0,310 (2012.)	DA
96.	Benci, Krešimir; Mandić, Leo; Suhina, Tomislav; Sedić, Mirela; Klobučar, Marko; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Wittine, Karlo; Mintas, Mladen. Novel Coumarin derivatives containing 1, 2, 4-Triazole, 4, 5-dicyanoimidazole and purine moieties: synthesis and evaluation of their cytostatic activity. // <i>Molecules</i> . <b>17</b> (2012) , 9; 11010-11025	2,428 (2012.)	DA
97.	Bennani, Yasmina; Košutić, Krešimir; Dražević, Emil; Rožić, Mirela. Wastewater from wood and pulp industry treated by combination of coagulation, adsorption on modified clinoptilolite tuff and membrane processes. // <i>Environmental technology</i> . <b>33</b> (2012) , 10; 1159-1166	1,606 (2012.)	DA
98.	Bišćan, Davor; Filipan, Veljko. Potential of waste heat in Croatian industrial sector. // <i>Thermal science</i> . <b>16</b> (2012), 3; 747-758	0,838 (2012.)	DA
99.	Bolanča, Tomislav; Marinović, Slavica; Ukić, Šime; Jukić, Ante; Rukavina, Vinko. Development of artificial neural network model for diesel fuel properties prediction using vibrational spectroscopy. // <i>Acta chimica Slovenica</i> . <b>59</b> (2012) ; 249-257	1,135 (2012.)	DA
100.	Bolanča, Tomislav; Šipušić, Juraj; Ukić, Šime; Šiljeg, Mario; Ujević Bošnjak, Magdalena. Optimization of arsenic sludge immobilization process in cement – natural zeolite – lime blends using artificial neural networks and multi objective criteria functions. // <i>Fresenius environmental bulletin</i> . <b>21</b> (2012) , 1; 76-83	0,641 (2012.)	DA
101.	Briški, Felicita; Kopčić, Nina; Ćosić, Ivana; Kučić, Dajana; Vuković, Marija. Biodegradation of tobacco waste by composting: Genetic identification of nicotine-degrading bacteria and kinetic analysis of transformations in leachate. // <i>Chemical Papers</i> . <b>66</b> (2012) , 12; 1103-1110	0,879 (2012.)	NE
102.	Cerjan Stefanović, Štefica; Bolanča, Tomislav; Luša, Melita; Ukić, Šime; Rogošić, Marko. Multi-criteria decision making development of ion chromatographic method for determination of inorganic anions in oilfield waters based on artificial neural networks retention model. // <i>Analytica chimica acta</i> . <b>716</b> (2012) ; 145-154	4,387 (2012.)	DA
103.	Cetina, Mario; Benci, Krešimir; Wittine, Karlo; Mladen, Mintas. Weak C-H... $\pi$ and C-H...F interactions form higher-order supramolecular structures in cytosine and uracil (Z)-4'-benzamido-2'-butenyl derivative. // <i>Crystal growth &amp; design</i> . <b>12</b> (2012) , 11; 5262-5270	2,428 (2012.)	DA
104.	Cornu, Cécile; Bonardet, Jean-Luc; Casale, Sandra; Davidson, Anne; Abramson, Sébastien; Andre, Gilles; Porcher, Florence; Grčić, Ivana; Tomašić, Vesna; Vujević, Dinko; Koprivanac, Natalija. Identification and location of iron species in Fe/SBA-15 catalysts : interest of heterojunctions for Fenton reactions. // <i>Journal of physical chemistry. C</i> . <b>116</b> (2012) , 5; 3437-3448	4,814 (2012.)	DA
105.	Ćosić, Ivana; Vuković, Marija; Gomzi, Zoran; Briški, Felicita. Comparison of various kinetic models for batch biodegradation of leachate from tobacco waste composting. // <i>Revista de chimie</i> . <b>63</b> (2012) , 9; 967-971	0,538 (2012.)	NE
106.	Dolar, Davor; Gros, Meritxell; Rodriguez-Mozaz, Sara; Moreno, Jordi; Comas, Joaquim; Rodriguez- Roda, Ignasi; Barceló, Damia. Removal of emerging contaminants from municipal wastewater with integrated membrane system, MBR-RO. // <i>Journal of hazardous materials</i> . <b>239-240</b> (2012) ; 64-69	3,925 (2012.)	DA

107.	Dolar, Davor; Ignjatić Zokić, Tatjana; Ašperger, Danijela; Košutić, Krešimir; Mutavdžić Pavlović, Dragana. RO/NF membrane treatment of veterinary pharmaceutical wastewater: comparison of results obtained on a laboratory and a pilot scale. // <i>Environmental science and pollution research</i> . <b>19</b> (2012), 4; 1033-1042	2,618 (2012.)	NE
108.	Dolar, Davor; Pelko, Sanja; Košutić, Krešimir; Horvat, Alka J.M. Removal of anthelmintic drugs and their photodegradation products from water with RO/NF membranes. // <i>Process safety and environmental protection</i> . <b>90</b> (2012), 2; 147-152	1,495 (2012.)	NE
109.	Dolar, Davor; Vuković, Ana; Ašperger, Danijela; Košutić, Krešimir. Efficiency of RO/NF membranes at the removal of veterinary antibiotics. // <i>Water science and technology</i> . <b>65</b> (2012), 2; 317-323	1,102 (2012.)	NE
110.	Dražević, Emil; Bason, Sarit; Košutić, Krešimir; Freger, Viatcheslav. Enhanced partitioning and transport of phenolic micropollutants within polyamide composite membranes. // <i>Environmental science &amp; technology</i> . <b>46</b> (2012), 6; 3377-3383	5,257 (2012.)	DA
111.	Ester, Katja; Supek, Fran; Majsec, Kristina; Marjanović, Marko; Lembo, David; Donalisio, Manuela; Šmuc, Tomislav; Jarak, Ivana; Karminski-Zamola, Grace; Kralj, Marijeta. Putative mechanisms of antitumor activity of cyano-substituted heteroaryles in HeLa cells. // <i>Investigational new drugs</i> . <b>30</b> (2012), 2; 450-467	3,498 (2012.)	DA
112.	Findrik, Zvezdana; Nemeth, Gergély; Gubicza, László; Bélafi-Bakó, Katalin; Vasić-Rački, Đurđa. Evaluation of factors influencing the enzymatic esterification of lactic acid in ionic liquid. // <i>Bioprocess and biosystems engineering</i> . <b>35</b> (2012), 4; 625-635	1,869 (2012.)	DA
113.	Findrik, Zvezdana; Németh, Gergely; Vasić- Rački, Đurđa; Bélafi-Bakó, Katalin; Csanádi, Zsófia; Gubicza, László. Pervaporation-aided enzymatic esterifications in non-conventional media. // <i>Process biochemistry</i> . <b>47</b> (2012), 12; 1715-1722	2,414 (2012.)	DA
114.	Findrik, Zvezdana; Vrsalović Presečki, Ana; Vasić- Rački, Đurđa. The influence of aeration on activity and operational stability of two snake venom amino acid oxidases. // <i>Biochemical engineering journal</i> . <b>60</b> (2012); 91-98	2,579 (2012.)	NE
115.	Fried, Michael D.; Gusić, Ivica. Schinzel's problem: Imprimitive covers and the monodromy method. // <i>Acta arithmetica</i> . <b>155</b> (2012), 1; 27-40	0,472 (2012.)	DA
116.	Gazivoda Kraljević, Tatjana; Bistronić, Andrea; Dedić, Matea; Kraljević Pavelić, Sandra; Sedić, Mirela; Raić-Malić, Silvana. Efficient palladium-mediated or base-induced 5-endo-dig cyclisation of C5-alkynylated pyrimidine derivatives: conventional and microwave-assisted synthesis of novel furo[2, 3-d]pyrimidines. // <i>Tetrahedron letters</i> . <b>53</b> (2012), 38; 5144-5147	2,397 (2012.)	DA
117.	Gazivoda Kraljević, Tatjana; Klika, Mateja; Kralj, Marijeta; Martin-Kleiner, Irena; Jurmanović, Stella; Milić, Astrid; Padovan, Jasna; Raić-Malić, Silvana. Synthesis, cytostatic activity and ADME properties of C-5 substituted and N-acyclic pyrimidine derivatives. // <i>Bioorganic &amp; medicinal chemistry letters</i> . <b>22</b> (2012), 1; 308-312	2,338 (2012.)	DA
118.	Grčić, Ivana; Papić, Sanja; Koprivanac, Natalija; Kovačić, Iva. Kinetic modeling and synergy quantification in sono and photooxidative treatment of simulated dyehouse effluent. // <i>Water research</i> . <b>46</b> (2012); 5683-5695	4,655 (2012.)	NE
119.	Grčić, Ivana; Papić, Sanja; Žižek, Krunoslav; Koprivanac, Natalija. Zero-valent iron (ZVI) Fenton oxidation of reactive dye wastewater under UV-C and solar irradiation. // <i>Chemical engineering journal</i> . <b>195-196</b> (2012), 1; 77-90	3,473 (2012.)	NE

120.	Grčić, Ivana; Šipić, Ana; Koprivanac, Natalija; Vrsaljko, Domagoj. Global parameter of ultrasound exploitation (GPUE) in the reactors for wastewater treatment by sono-Fenton oxidation. // <i>Ultrasonics sonochemistry</i> . <b>19</b> (2012) , 2; 270-279	3,516 (2012.)	NE
121.	Grubač, Zoran; Škugor Rončević, Ivana; Metikoš-Huković, Mirjana; Ranko, Babić; Peter, Robert; Petravić, Mladen. Surface modification of biodegradable magnesium alloys. // <i>Journal of the electrochemical society</i> . 159 (2012) , 6; C253-C258	2,588 (2012.)	DA
122.	Gusić, Ivica. Some applications of the abc-conjecture to the diophantine equation $qy^m = f(x)$ . // <i>Glasnik matematički</i> . <b>47</b> (2012) , 1; 61-79	0,406 (2012.)	NE
123.	Gusić, Ivica; Tadić, Petra. A remark on the injectivity of the specialization homomorphism. // <i>Glasnik matematički</i> . <b>47</b> (2012) , 2; 265-275	0,406 (2012.)	DA
124.	Horvat, Alka J.M.; Petrović, Mira; Babić, Sandra; Mutavdžić Pavlović, Dragana; Ašperger, Danijela; Pelko, Sanja; Mance, Ana Dunja; Kaštelan-Macan, Marija. Analysis, occurrence and fate of anthelmintics and their transformation products in the environment. // <i>Trac-trends in analytical chemistry</i> . <b>31</b> (2012) , 1; 61-84	6,351 (2012.)	DA
125.	Hranjec, Marijana; Horak, Ema; Tireli, Martina; Pavlović, Gordana; Karminski-Zamola, Grace. Synthesis, crystal structure and spectroscopic study of novel benzimidazoles and benzimidazo[1, 2-a]quinolines as potential chemosensors for different cations. // <i>Dyes and pigments</i> . <b>95</b> (2012) , 3; 644-656	3,532 (2012.)	DA
126.	Hranjec, Marijana; Pavlović, Gordana; Karminski-Zamola, Grace. Synthesis, crystal structure determination and antiproliferative activity of novel 2-amino-4-aryl-4, 10-dihydro[1, 3, 5]triazino[1, 2-a]benzimidazoles. // <i>Journal of molecular structure</i> . <b>1007</b> (2012) ; 242-251	1,404 (2012.)	DA
127.	Hublin, Andrea; Ignjatić Zokić, Tatjana; Zelić, Bruno. Optimization of biogas production from co-digestion of whey and cow manure. // <i>Biotechnology and bioprocess engineering</i> . <b>17</b> (2012) , 6; 1284-1293	1,277 (2012.)	DA
128.	Jerković, Miroslav. Character formulas for Feigin-Stoyanovsky's type subspaces of standard $sl(3, C)$ -modules. // <i>Ramanujan journal</i> . <b>27</b> (2012), 3; 357-376	0,493 (2012.)	NE
129.	Jerković, Miroslav; Primc, Mirko. Quasi-particle fermionic formulas for $(k, 3)$ -admissible configurations. // <i>Central European Journal of mathematics</i> . <b>10</b> (2012), 2; 703-721	0,405 (2012.)	DA
130.	Jović, Franjo; Kosar, Vanja; Tomašić, Vesna; Gomzi, Zoran. Non-ideal flow in an annular photocatalytic reactor. // <i>Chemical engineering research &amp; design</i> . <b>90</b> (2012) , 9; 1297-1306	1,927 (2012.)	NE
131.	Jukić, Marijana; Sviben, Igor; Zorić, Zoran; Milardović, Stjepan. Effect of polyvinylpyrrolidone on the formation AgBr grains in gelatine media. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 3; 269-276	0,614 (2012.)	DA
132.	Juretić, Daria; Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Photooxidation of benzene structured compounds: influence of substituent type on degradation kinetic and sum water parameters. // <i>Water research</i> . <b>46</b> (2012) , 9; 3074-3084	4,655 (2012.)	NE

133.	Kikaš, Ilijana; Carlotti, Benedetta; Škorić, Irena; Šindler-Kulyk, Marija; Mazzucato, Ugo; Spalletti, Anna. Synthesis, spectral properties and photobehaviour of push-pull distyrylbenzene nitro-derivatives. // <i>Journal of photochemistry and photobiology. A, Chemistry.</i> <b>244</b> (2012) ; 38-46	2,416 (2012.)	DA
134.	Kosar, Vanja; Šercer, Hrvoje; Tomašić, Vesna. Cure modelling of polyester thermosets in a glass mould. // <i>Chemical engineering research &amp; design.</i> <b>90</b> (2012) ; 534-540	1,927 (2012.)	NE
135.	Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Katančić, Zvonimir; Jelenčić, Jasenka; Kovačević, Vera; Hrnjak-Murgić, Zlata. Influence of calcium carbonate filler and mixing type process on structure and properties of Styrene-Acrylonitrile/Ethylene-Propylene-Diene polymer blends. // <i>Journal of applied polymer science.</i> <b>126</b> (2012) , 4; 1257-1266	1,395 (2012.)	NE
136.	Krehula, Stjepko; Štefanić, Goran; Zadro, Krešo; Kratofil Krehula, Ljerka; Marciuš, Marijan; Musić, Svetozar. Synthesis and properties of iridium-doped hematite ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ). // <i>Journal of alloys and compounds.</i> <b>545</b> (2012) ; 200-209	2,390 (2012.)	DA
137.	Kurajica, Stanislav; Popović, Jasminka; Tkalčec, Emilija, Gržeta, Biserka; Mandić, Vilko. The effect of annealing temperature on the structure and optical properties of sol-gel derived nanocrystalline cobalt aluminate spinel. // <i>Materials chemistry and physics.</i> <b>135</b> (2012) , 2-3; 587-593	2,072 (2012.)	DA
138.	Kurajica, Stanislav; Očko, Tanja; Mandić, Vilko; Cigula Kurajica, Vlasta; Lozić, Iva. Properties and antimicrobial activity of nanosilver deposited cotton fabric coated with $\gamma$ -methacryloxypropyl Trimethoxysilane. // <i>Journal of nano research.</i> <b>20</b> (2012) ; 77-88	0,341 (2012.)	DA
139.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Application of sensitivity and flux analyses for the reduction of model predicting the photooxidative degradation of an azo dye in aqueous media. // <i>Environmental modeling &amp; assessment.</i> <b>17</b> (2012) , 6; 653-671	0,977 (2012.)	NE
140.	Kušić, Hrvoje; Koprivanac, Natalija; Papić, Sanja; Lončarić Božić, Ana. Influence of substituent type and position on photooxidation of phenolic compounds: response surface methodology approach. // <i>Journal of photochemistry and photobiology. A, Chemistry.</i> <b>242</b> (2012) ; 1-12	2,416 (2012.)	NE
141.	Kušić, Hrvoje; Leszczynska, Danuta. Altered toxicity of organic pollutants in water originated from simultaneous exposure to UV photolysis and CdSe/ZnS quantum dots. // <i>Chemosphere.</i> <b>89</b> (2012) , 7; 900-906	3,137 (2012.)	DA
142.	Lučić Blagojević, Sanja; Buhin, Zrinka; Pustak, Andela; Lukić Kovačić, Ružica. Influence of nanosilica on the morphology and thermal and mechanical properties of polyurethane elastomer. // <i>Journal of applied polymer science.</i> <b>125</b> (2012) ; E181-E190	1,395 (2012.)	DA
143.	Majić Renjo, Marijana; Lalić, Marijo; Ćurković, Lidija; Matijašić, Gordana. Rheological properties of aqueous alumina suspensions. // <i>Materialwissenschaft und Werkstofftechnik.</i> <b>43</b> (2012) , 11; 979-983	0,505 (2012.)	DA
144.	Margeta, Jure; Glasnović, Zvonimir. Theoretical settings of photovoltaic-hydro energy system for sustainable energy production. // <i>Solar energy.</i> <b>86</b> (2012) , 3; 972-982	2,952 (2012.)	DA
145.	Marinović, Slavica; Bolanča, Tomislav; Ukić, Šime; Rukavina, Vinko; Jukić, Ante. Prediction of diesel fuel cold properties using artificial neural networks. // <i>Chemistry and technology of fuels and oils.</i> <b>48</b> (2012) , 1; 67-74	0,116 (2012.)	DA

146.	Marinović, Slavica; Krištović, Marko; Špehar, Branka; Rukavina, Vinko; Jukić, Ante. Prediction of diesel fuel properties by vibrational spectroscopy using multivariate analysis. // <i>Journal of analytical chemistry</i> . <b>67</b> (2012) , 12; 939-949	0,616 (2012.)	DA
147.	Mastelić Samardžić, Zrinka; Zrnčević, Stanka. Catalytic hydrogenation in process of 2-((1-benzylpiperidin-4-yl)methyl)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride synthesis: Catalyst screening and optimization of reaction conditions. // <i>Polish journal of chemical technology</i> . <b>14</b> (2012) , 3; 38-47	0,444 (2012.)	DA
148.	Metikoš-Huković, Mirjana; Babić, Ranko; Škugor Rončević, Ivana; Grubač, Zoran. Corrosion behavior of the filmed copper surface in saline water under static and jet impingement conditions. // <i>Corrosion (Houston, Tex.)</i> . <b>68</b> (2012) , 2; Article number: 025002	1,772 (2012.)	DA
149.	Metikoš-Huković, Mirjana; Katić, Jozefina; Milošev, Ingrid. Kinetics of passivity of Nitinol in an acidic solution and the spectroscopic characterisation of passive films. // <i>Journal of solid state electrochemistry</i> . <b>16</b> (2012) , 7; 2503-2513	2,279 (2012.)	DA
150.	Milošev, Ingrid; Metikoš-Huković, Mirjana; Petrović, Željka. Influence of preparation methods on the properties of self-assembled films of octadecylphosphonate on NiTi: XPS and EIS studies. // <i>Materials science &amp; engineering C</i> . <b>32</b> (2012) ; 2604-2616	2,404 (2012.)	DA
151.	Müller, Ursina; Martić, Miljen; Gazivoda-Kraljević, Tatjana; Krištafor, Svjetlana; Ranadheera, Charlene; Müller, Adrienne; Born, Mariana; Krämer D., Stefanie; Raić-Malić, Silvana; Ametamey M., Simon. Synthesis and evaluation of a C-6 alkylated pyrimidine derivative for in vivo imaging of HSV1-TK gene expression. // <i>Nuclear medicine and biology</i> . <b>39</b> (2012) , 2; 235-246	2,517 (2012.)	DA
152.	Mutavdžić Pavlović, Dragana; Pinušić, Tea; Periša Martina; Babić, Sandra. Optimization of matrix solid-phase dispersion for liquid chromatography tandem mass spectrometry analysis of 12 pharmaceuticals in sediments. // <i>Journal of Chromatography A</i> . <b>1258</b> (2012) ; 1-15	4,612 (2012.)	NE
153.	Mužić, Marko; Sertić-Bionda, Katica; Adžamić, Tamara. Evaluation of commercial adsorbents and their application for desulfurization of model fuel. // <i>Clean technologies and environmental policy</i> . <b>14</b> (2012), 2; 283-290	1,827 (2012.)	KI
154.	Ninčević Grassino, Antonela, Milardović, Stjepan, Grabarić, Zorana, Grabarić, Božidar S. Simple and reliable biosensor for determination of glucose in alcoholic beverages. // <i>Food research international</i> . <b>47</b> (2012) , 2 ; 368-373	3,005 (2012.)	DA
155.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Polymer modified bitumen. // <i>Materials research innovations</i> . <b>16</b> (2012) , 1; 1-6	0,321 (2012.)	DA
156.	Olujić, Žarko; Dejanović, Igor; Kaibel, Björn; Jansen, Helmut. Dimensioning multipartition dividing wall columns. // <i>Chemical engineering &amp; technology</i> . <b>35</b> (2012) , 8; 1392-1404	1,366 (2012.)	DA
157.	Otmačić Ćurković, Helena; Kosec, Tadeja; Marušić, Katarina; Legat, Andraž. An electrochemical impedance study of the corrosion protection of artificially formed patinas on recent bronze. // <i>Electrochimica acta</i> . <b>83</b> (2012) ; 28-39	3,777 (2012.)	DA
158.	Peternel, Igor; Koprivanac, Natalija; Grčić, Ivana. Mineralization of p-chlorophenol in water solution by AOPs based on UV irradiation. // <i>Environmental technology</i> . <b>33</b> (2012) , 1; 27-36	1,606 (2012.)	NE

159.	Petrović, Željka; Metikoš-Huković, Mirjana; Babić, Ranko. The electrochemical transfer reactions and the structure of the iron oxide layer electrolyte interface. // <i>Electrochimica acta</i> . <b>75</b> (2012) ; 406-413	3,777 (2012.)	NE
160.	Petrović, Željka; Metikoš-Huković, Mirjana; Peter, Robert; Petravić, Mladen. Surface modification of iron for corrosion protection: kinetics of anodic film formation and electroreduction. // <i>International journal of electrochemical science</i> . <b>7</b> (2012) , 10; 9232-9247	1,956 (2013.) 3,729 (2011.)	DA
161.	Racané, Livio; Kraljević Pavelić, Sandra; Ratkaj, Ivana; Stepanić, Višnja; Pavelić, Krešimir; Tralić-Kulenović, Vesna; Karminski-Zamola, Grace. Synthesis and antiproliferative evaluation of some new amidino-substituted bis-benzothiazolyl-pyridines and pyrazine. // <i>European journal of medicinal chemistry</i> . <b>55</b> (2012) ; 108-116	3,499 (2012.)	DA
162.	Rakić, Anita; Perić, Jelena; Foglar, Lucija. Influence of temperature, chlorine residual and heavy metals on the presence of Legionella pneumophila in hot water distribution systems. // <i>Annals of agricultural and environmental medicine</i> . <b>19</b> (2012) , 3; 431-436	3,060 (2012.)	DA
163.	Rogošić, Marko; Bakula, Marijana; Župan, Mario. Liquid-liquid equilibria in the ternary systems H <sub>2</sub> O – Phenol – 2-Butanone and H <sub>2</sub> O – Phenol – 2-Propanol. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 155-162	0,569 (2012.)	NE
164.	Sander, Aleksandra; Prlić Kardum, Jasna. Pentaerythritol crystallization - influence of the process conditions on the granulometric properties of crystals. // <i>Advanced powder technology</i> . <b>23</b> (2012) , 2; 191-198	1,650 (2012.)	NE
165.	Šalić, Anita; Tušek, Ana; Zelić, Bruno. Application of microreactors in medicine and biomedicine. // <i>Journal of applied biomedicine</i> . <b>10</b> (2012) ; 137-153	0,978 (2012.)	DA
166.	Šiljeg, Mario; Foglar, Lucija; Gudelj, Ivana. The removal of arsenic from water with natural and modified clinoptilolite. // <i>Chemistry and ecology</i> . <b>28</b> (2012) , 1; 75-87	1,069 (2012.)	DA
167.	Škalec Šamec, Dijana; Meštrović, Ernest; Sander, Aleksandra. Nucleation kinetics of cis-entacapone. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 163-173	0,569 (2012.)	DA
168.	Šoljić Jerbić, Ivana; Parlov Vuković, Jelena; Jukić, Ante. Production and application properties of dispersive viscosity index improvers. // <i>Industrial &amp; engineering chemistry research</i> . <b>51</b> (2012) , 37; 11914-11923	2,206 (2012.)	DA
169.	Šustić, Igor; Barešić, Jadranka; Šipušić, Juraj. Determination of hardened binder initial composition. // <i>Zement-Kalk-Gips International</i> . <b>65</b> (2012) , 10; 70-78	0,164 (2012.)	DA
170.	Tišma, Marina; Žnidaršič-Plazl, Polona; Vasić-Rački, Đurđa; Zelić, Bruno. Optimization of laccase production by <i>Trametes versicolor</i> cultivated on industrial waste. // <i>Applied biochemistry and biotechnology</i> . <b>166</b> (2012) , 1; 36-46	1,893 (2012.)	DA
171.	Tomić, Tatjana; Uzorinac Nasipak, Nada; Babić, Sandra. Estimating measurement uncertainty in high-performance liquid chromatography methods. // <i>Accreditation and quality assurance</i> . <b>17</b> (2012), 3 ; 291-300	1,132 (2012.)	DA

172.	Trkmić, Marija; Ćurković, Lidija; Ašperger, Danijela. Chemical analysis of solid residue from liquid and solid fuel combustion : Method development and validation. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>43</b> (2012) , 6; 503-510	0,505 (2012.)	DA
173.	Tušek, Ana; Šalić, Anita; Kurtanjek, Želimir; Zelić, Bruno. Modelling and kinetic parameter estimation of alcohol dehydrogenase catalyzed hexanol oxidation in a microreactor. // <i>Engineering in life sciences</i> . <b>12</b> (2012) , 1; 49-56	1,633 (2012.)	DA
174.	Ujević Andrijić, Željka; Rolich, Tomislav; Bolf, Nenad. Soft sensor development for the estimation of benzene content in catalytic reformat. // <i>Industrial &amp; engineering chemistry research</i> . <b>51</b> (2012) , 7; 3007-3014	2,206 (2012.)	DA
175.	Ujević Bošnjak, Magdalena; Capak, Krunoslav; Jazbec, Anamarija; Casiot, Corinne; Sipos, Laszlo; Poljak, Vedran; Dadić, Željko. Hydrochemical characterization of arsenic contaminated alluvial aquifers in Eastern Croatia using multivariate statistical techniques and arsenic risk assessment. // <i>Science of the total environment</i> . <b>420</b> (2012); 100-110	3,258 (2012.)	DA
176.	Ukrainczyk, Neven; Vrbos, Nevenka; Šipušić, Juraj. Influence of metal chloride salts on calcium aluminate cement hydration. // <i>Advances in cement research</i> . <b>24</b> (2012) , 5; 249-262	0,754 (2012.)	NE
177.	Vrankić, Martina; Gržeta, Biserka; Mandić, Vilko; Tkalčec, Emilija; Milošević, Slobodan; Čeh, Miran; Rakvin, Boris. Structure, microstructure and photoluminescence of nanocrystalline Ti-doped gahnite. // <i>Journal of alloys and compounds</i> . <b>543</b> (2012) ; 213-220	2,390 (2012.)	DA
178.	Vrsalović, Mislav; Pintarić, Hrvoje; Babić Zdravko; Pavlov, Marin; Vrsalović Presečki, Ana; Getaldić, Biserka; Vrkić, Nada; Nikolić Heitzler, Vjerran. Impact of admission anemia, C-reactive protein and mean platelet volume on short term mortality in patients with acute ST-elevation myocardial infarction treated with primary angioplasty. // <i>Clinical biochemistry</i> . <b>45</b> (2012) , 16-17; 1506-1509	2,450 (2012.)	DA
179.	Vrsalović Presečki, Ana; Makovšek, Katja; Vasić-Rački, Đurđa. Coenzyme regeneration in hexanol oxidation catalyzed by alcohol dehydrogenase. // <i>Applied biochemistry and biotechnology</i> . <b>167</b> (2012) , 3; 595-611	1,893 (2012.)	DA
180.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija. Photochemical transformation of $\beta$ , $\beta'$ -dithienyl substituted o-divinylbenzenes leading to 1, 2-dihydronaphthalenes or fused pentacyclic compounds: first evidence of electrocyclization process via 2, 3-dihydronaphthalene intermediates. // <i>Tetrahedron</i> . <b>68</b> (2012) ; 6873-6880	2,803 (2012.)	DA
181.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Šindler-Kulyk, Marija. Photochemical and thermal transformations of thiophene o-distyrylbenzene analogues in acidic media. // <i>Croatica chemica acta</i> . <b>85</b> (2012) , 4; 425-434	0,614 (2012.)	DA
182.	Vuković, Marija; Ćosić, Ivana; Kučić, Dajana; Kopčić, Nina; Briški, Felicita. Biodegradation kinetics of tobacco waste leachate by activated sludge in SBR. // <i>Chemical and biochemical engineering quarterly</i> . <b>26</b> (2012) , 3; 191-198	0,569 (2012.)	NE
183.	Wittine, Karlo; Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Kraljević Pavelić, Sandra; Sedić, Mirela; Pavelić, Krešimir, Jan; Mintas, Mladen. Novel 1, 2, 4-triazole and imidazole derivatives of L-ascorbic and imino-ascorbic acid: Synthesis, anti-HCV and antitumor activity evaluations. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>20</b> (2012) ; 3675-3685	2,903 (2012.)	DA
184.	Adžamić, Zoran; Adžamić, Tamara; Mužic, Marko; Sertić-Bionda, Katica. Optimization of the n-hexane isomerization process using response surface methodology. // <i>Chemical engineering research &amp; design</i> . <b>91</b> (2013) , 1; 100-105	2,281 (2013.)	NE



185.	Babić, Sandra; Periša, Martina; Škorić, Irena. Photolytic degradation of norfloxacin, enrofloxacin and ciprofloxacin in various aqueous media. // <i>Chemosphere</i> . <b>91</b> (2013) , 11; 1635-1642	3,499 (2013.)	NE
186.	Bistričić, Lahorija; Borjanović, Vesna; Mikac, Lara; Dananić, Vladimir. Vibrational spectroscopic study of poly(dimethylsiloxane)-ZnO nanocomposites. // <i>Vibrational spectroscopy</i> . <b>68</b> (2013) ; 1-10	1,547 (2013.)	DA
187.	Buhin, Zrinka; Lučić Blagojević, Sanja; Leskovac Mirela. In situ emulsion polymerization and characterization of poly(butyl acrylate-co-methyl methacrylate)/silica nanosystems. // <i>Polymer engineering &amp; science</i> . <b>53</b> (2013) , 11; 2292-2298	1,441 (2013.)	NE
188.	Carlotti, Benedetta; Kikaš, Ilijana; Škorić, Irena; Spalletti, Anna; Elisei, Fausto. Photophysics of push-pull distyryl furan, thiophene and pyridine by fast and ultrafast techniques. // <i>ChemPhysChem</i> . <b>14</b> (2013) , 5; 970-981	3,360 (2013.)	DA
189.	Ćosić, Ivana; Vuković, Marija; Gomzi, Zoran; Briški, Felicita. Modelling of kinetics of microbial degradation of simulated leachate from tobacco dust waste. // <i>Chemical Papers</i> . <b>67</b> (2013) , 9; 1138-1145	1,193 (2013.)	NE
190.	Ćurković, Lidija; Otmačić Ćurković, Helena; Salopek, Sara; Majić Renjo, Marijana; Šegota, Suzana. Enhancement of corrosion protection of AISI 304 stainless steel by nanostructured sol-gel TiO <sub>2</sub> films. // <i>Corrosion science</i> . <b>77</b> (2013) ; 176-184	3,686 (2013.)	DA
191.	Ćurković, Mario; Sipos, Laszlo; Puntarić, Dinko; Dodig-Ćurković, Katarina; Pivac, Nela; Kralik, Kristina. Detection of thallium and uranium in well water and biological specimens of an eastern Croatian population. // <i>Arhiv za higijenu rada i toksikologiju</i> . <b>64</b> (2013) ; 385-394	0,727 (2013.)	DA
192.	Dimitrov, Nino; Kratožil Krehula, Ljerka; Ptiček Siročić, Anita; Hrnjak-Murgić, Zlata. Analysis of Recycled PET Bottles Products by Pyrolysis-Gas Chromatography. // <i>Polymer degradation and stability</i> . <b>98</b> (2013) , 5; 972-979	2,633 (2013.)	DA
193.	Dolar, Davor; Košutić, Krešimir; Ašperger, Danijela. Influence of adsorption of pharmaceuticals onto RO/NF membranes on their removal from water. // <i>Water, air and soil pollution</i> . <b>224</b> (2013) , 1; 1377-1-1377-13	1,685 (2013.)	NE
194.	Dolar, Davor; Košutić, Krešimir; Ašperger, Danijela; Babić, Sandra. Removal of glucocorticosteroids and anesthetics from water with RO/NF membrane. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) ; 1-6	0,911 (2013.)	NE
195.	Dolar, Davor; Periša, Martina; Košutić, Krešimir; Babić, Sandra. NF/RO removal of enrofloxacin and its photodegradation products from water. // <i>Desalination and water treatment</i> . <b>51</b> (2013) , 1/3; 469-475	0,987 (2013.)	NE
196.	Dolar, Davor; Košutić, Krešimir; Periša, Martina; Babić, Sandra. Photolysis of enrofloxacin and removal of its photodegradation products from water by reverse osmosis and nanofiltration membranes. // <i>Separation and purification technology</i> . <b>115</b> (2013) ; 1-8	3,065 (2013.)	NE
197.	Dolar, Davor; Košutić, Krešimir; Ignjatić Zokić, Tatjana; Sipos, Laszlo; Markić, Marinko; Župan, Mario. Combined methods of highly polluted industrial wastewater treatment - a case study of high recovery. // <i>Polish journal of environmental studies</i> . <b>22</b> (2013) , 6; 1677-1683	0,600 (2013.)	NE
198.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir; Mutavdžić Pavlović, Dragana. Coating layer effect on performance of thin film nanofiltration membrane in removal of organic solutes. // <i>Separation and purification technology</i> . <b>118</b> (2013) ; 530-539	3,065 (2013.)	NE

199.	Filipović, Josip; Grčić, Ivana; Bermanec, Vladimir; Kniewald, Goran. Monitoring of total metal concentration in sludge samples: Case study for the mechanical-biological wastewater treatment plant in Velika Gorica, Croatia. // <i>Science of the total environment</i> . <b>447</b> (2013) ; 17-24	3,163 (2013.)	DA
200.	Foglar, Lucija. Nitrate removal in the continuous-flow stirred reactor. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 7-13	0,911 (2013.)	NE
201.	Foglar, Lucija; Gašparac, Dijana. Continuous-flow biological denitrification with zeolite as support for bacterial growth. // <i>Desalination and water treatment</i> . <b>51</b> (2013) ; 7157-7165	0,987 (2013.)	NE
202.	Franković-Mihelj, Nirvana; Ukrainczyk, Neven; Leaković, Stjepan; Šipušić, Juraj. Waste Phosphogypsum – toward sustainable reuse in Calcium Sulfoaluminate cement based building materials. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 2; 219-226	0,911 (2013.)	DA
203.	Gabrić, Beata; Sander, Aleksandra; Cvjetko Bubalo, Marina, Macut, Dejan. Extraction of S- and N-compounds from the mixture of hydrocarbons by ionic liquids as selective solvents. // <i>The scientific world journal</i> . <b>2013</b> (2013) , Article Number: 512953; 1-11	1,219 (2013.)	DA
204.	Gilbert, Marianne; Ho, Kok Chin; Hitt, David J.; Vrsaljko, Domagoj. Assessment of PVC stabilisation using hydrotalcites – Raman spectroscopy and other techniques. // <i>Polymer degradation and stability</i> . <b>98</b> (2013) , 8; 1537-1547	2,633 (2013.)	DA
205.	Glasnović, Zvonimir; Margeta, Karmen; Omerbegović, Višnja. Artificial water inflow created by solar energy for continuous green energy production. // <i>Water resources management</i> . <b>27</b> (2013) , 7; 2303-2323	2,463 (2013.)	DA
206.	Govorčin Bajsić, Emi; Rek, Vesna; Ormuž Pavić, Bojana. The influence of talc content on the thermal and mechanical properties of polyurethane/polypropylene blends. // <i>Journal of elastomers and plastics</i> . <b>45</b> (2013) , 6; 501-522	0,714 (2013.)	DA
207.	Grčić, Ivana; Li Puma, Gianluca. Photocatalytic Degradation of Water Contaminants in Multiple Photoreactors and the evaluation of reaction kinetics constants independent of photon absorption, irradiance, reactor geometry and hydrodynamics. // <i>Environmental science &amp; technology</i> . <b>47</b> (2013) ; 13702-13711	5,481 (2013.)	DA
208.	Grčić, Ivana; Papić, Sanja; Koprivanac, Natalija. Sonochemical effectiveness factor (eUS) in the reactors for wastewater treatment by sono-Fenton oxidation: Novel considerations. // <i>Ultrasonics sonochemistry</i> . <b>20</b> (2013) , 4; 1037-1045	3,816 (2013.)	NE
209.	Grčić, Ivana; Vujević, Dinko; Žižek, Krunoslav; Koprivanac, Natalija. Treatment of organic pollutants in water using TiO <sub>2</sub> powders: Photocatalysis vs. Sonocatalysis. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>109</b> (2013) , 2; 335-354	0,983 (2013.)	DA
210.	Grdiša, Martina; Babić, Sandra; Periša, Martina; Carović-Stanko, Klaudija; Kolak, Ivan; Liber, Zlatko; Jug-Dujaković, Marija; Šatović, Zlatko. Chemical diversity of the natural populations of Dalmatian pyrethrum ( <i>Tanacetum cinerariifolium</i> /Trevir. /Sch. Bip.) in Croatia. // <i>Chemistry &amp; biodiversity</i> . <b>10</b> (2013) , 3; 460-472	1,795 (2013.)	DA
211.	Grubač, Zoran; Metikoš-Huković, Mirjana; Babić, Ranko. Nanocrystalline and coarse grained polycrystalline nickel catalysts for the hydrogen evolution reaction. // <i>International journal of hydrogen energy</i> . <b>38</b> (2013) ; 4437-4444	2,930 (2013.)	DA
212.	Grubač, Zoran; Metikoš-Huković, Mirjana; Babić, Ranko. Electrocrystallization, growth and characterization of calcium phosphate ceramics on magnesium alloys. // <i>Electrochimica acta</i> . <b>109</b> (2013) ; 694-700	4,086 (2013.)	DA

213.	Grubač, Zoran; Metikoš-Huković, Mirjana; Babić, Ranko; Škugor-Rončević, Ivana; Petravić, Mladen; Peter, Robert. Functionalization of biodegradable magnesium alloy implants with alkylphosphonate self-assembled films. // <i>Materials science and engineering C</i> . <b>33</b> (2013) ; 2152-2158	2,736 (2013.)	DA
214.	Halvorsen, Ivar J.; Dejanović, Igor; Skogestad, Sigurd; Olujić, Žarko. Internal configurations for a multi-product dividing wall column. // <i>Chemical engineering research &amp; design</i> . <b>91</b> (2013) , 10; 1954-1965	2,281 (2013.)	DA
215.	Hranjec, Marijana; Sović, Irena; Ratkaj, Ivana; Pavlović, Gordana; Ilić, Nataša; Valjalo, Linda; Pavelić, Krešimir; Kraljević Pavelić, Sandra; Karminski-Zamola, Grace. Antiproliferative potency of novel benzofuran-2-carboxamides on tumor cell lines : cell death mechanisms and determination of crystal structure. // <i>European journal of medicinal chemistry</i> . <b>59</b> (2013) ; 111-119	3,432 (2013.)	DA
216.	Hublin, Andrea; Zelić, Bruno. Modelling of the whey and cow manure co-digestion process. // <i>Waste management &amp; research</i> . <b>31</b> (2013) , 4; 353-360	1,114 (2013.)	DA
217.	Huskić, Miroslav; Žigon, Majda; Ivanković, Marica. Comparison of the properties of clay polymer nanocomposites prepared by montmorillonites modified by silane and by quaternary ammonium salts. // <i>Applied clay science</i> . <b>85</b> (2013) ; 109-115	2,703 (2013.)	DA
218.	Ivešić, Martina; Babić, Sandra; Krivohlavek, Adela; Šmit, Zdenko. Determination of cyanuric acid in whey powder using HILIC-MS/MS. // <i>Analytical methods</i> . <b>5</b> (2013) ; 5188-5194	1,938 (2013.)	DA
219.	Jelčić, Želimir; Mastelić Samardžić, Zrinka; Zrnčević, Stanka. Fractal analysis of catalyst surface morphologies on hydrogenation in process of 2-((1-benzylpiperidin-4-yl)methyl)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride synthesis. // <i>Applied catalysis. A, General</i> . <b>456</b> (2013) ; 30-43	3,674 (2013.)	DA
220.	Jović, Franjo; Tomašić, Vesna; Davidson, A.; Nogier, J.P.; Li, W.; Kosar, Vanja. Photocatalytic Treatment of Air: How to deal with the problem of TiO <sub>2</sub> deactivation. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 37-42	0,911 (2013.)	DA
221.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Lončarić Božić, Ana. Environmental aspects of photooxidative treatment of phenolic compounds. // <i>Journal of hazardous materials</i> . <b>262</b> (2013) ; 377-386	4,331 (2013.)	DA
222.	Juretić, Daria; Kušić, Hrvoje; Papić, Ana; Šmidt, Marina; Ježovita, Oskar; Peternel, Igor; Lončarić Božić, Ana. Modeling of photodegradation kinetics of aromatic pollutants in water matrix. // <i>Journal of photochemistry and photobiology A: Chemistry</i> . <b>271</b> (2013) ; 65-76	2,291 (2013.)	NE
223.	Jurinjak Tušek, Ana; Tišma, Marina; Bregović, Valentina; Ptičar, Ana; Kurtanjek, Želimir; Zelić, Bruno. Enhancement of phenolic compounds oxidation using laccase from <i>Trametes versicolor</i> in a microreactor. // <i>Biotechnology and bioprocess engineering</i> . <b>18</b> (2013) , 4; 686-696	1,220 (2013.)	DA
224.	Karažija, Tomislav; Vidović, Elvira; Jukić, Ante. Thermal properties and side chain crystallinity of styrene and n-alkyl methacrylate terpolymers. // <i>Polymer engineering and science</i> . <b>53</b> (2013) , 11; 2299-2307	1,441 (2013.)	NE
225.	Kassal, Petar; Murković Steinberg, Ivana; Steinberg, Matthew D. Wireless smart tag with potentiometric input for ultra low-power chemical sensing. // <i>Sensors and actuators. B, Chemical</i> . <b>184</b> (2013) ; 254-259	3,840 (2013.)	DA
226.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko; Marciuš, Marijan. Sol-gel derived biphasic calcium phosphate ceramics on Nitinol for medical applications. // <i>International journal of electrochemical science</i> . <b>8</b> (2013) , 1; 1394-1408	1,956 (2013.)	DA
227.	Kikaš, Ilijana; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of furan and benzofuran derivatives. // <i>Journal of molecular structure</i> . <b>1034</b> (2013) ; 62-68	1,599 (2013.)	DA

228.	Kopčić, Nina; Vuković Domanovac, Marija; Đaković, Zorislav; Briški, Felicita. Composting of tobacco dust in different types of reactors. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 57-64	0,911 (2013.)	DA
229.	Korunda, Silvija; Krištafor, Svjetlana; Cetina, Mario; Raić-Malić, Silvana. Conjugates of 1, 2, 3-triazoles and acyclic pyrimidine nucleoside analogues: Syntheses and X- ray crystallographic studies. // <i>Current organic chemistry</i> . <b>17</b> (2013) , 10; 1114-1124	2,537 (2013.)	DA
230.	Kratofil Krehula, Ljerka; Ptiček Siročić, Anita; Dukić, Maja; Hrnjak-Murgić, Zlata. Cleaning efficiency of poly(ethylene terephthalate) washing procedure in recycling process. // <i>Journal of elastomers and plastics</i> . <b>45</b> (2013) , 5; 429-444	0,714 (2013.)	NE
231.	Krehula, Stjepko; Kratofil Krehula, Ljerka; Musić, Svetozar. Synthesis and microstructural properties of $\alpha$ -Fe <sub>1-x</sub> Ga <sub>x</sub> OOH solid solutions. // <i>Journal of alloys and compounds</i> . <b>581</b> (2013) ; 335-343	2,726 (2013.)	DA
232.	Kučić, Dajana; Ćosić, Ivana; Vuković Domanovac, Marija; Briški, Felicita. Sorption Kinetic Studies of Ammonium from Aqueous Solution on Different Inorganic and Organic Media. // <i>Acta chimica Slovenica</i> . <b>60</b> (2013) , 1; 109-119	0,810 (2013.)	NE
233.	Kučić, Dajana; Kopčić, Nina; Briški, Felicita. Zeolite and potting soil sorption of CO <sub>2</sub> and NH <sub>3</sub> evolved during co-composting of grape and tobacco waste. // <i>Chemical Papers</i> . <b>67</b> (2013) , 9; 1172-1180	1,193 (2013.)	NE
234.	Kurajica, Stanislav; Ćurković, Lidija; Tkalčec, Emilija; Mandić, Vilko. Acid corrosion behavior of sol-gel-prepared Mullite ceramics with and without addition of Lanthanum. // <i>Journal of the American ceramic society</i> . <b>96</b> (2013) , 3; 923-927	2,428 (2013.)	DA
235.	Kušić, Hrvoje; Koprivanac, Natalija; Lončarić Božić, Ana. Environmental aspects on the photodegradation of reactive triazine dyes in aqueous media. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>252</b> (2013) ; 131-144	2,291 (2013.)	NE
236.	Linarić, Martina; Markić, Marinko; Sipos, Laszlo. High salinity wastewater treatment. // <i>Water science &amp; technology</i> . <b>68</b> (2013) , 6; 1400-1405	1,212 (2013.)	NE
237.	Lučić Blagojević, Sanja; Buhin, Zrinka; Igrc, Ivona. Influence of silica nanofiller on the isothermal crystallization and melting of polyurethane elastomer. // <i>Journal of applied polymer science</i> . <b>129</b> (2013) , 3; 1466-1475	1,640 (2013.)	DA
238.	Mandić, Vilko; Očko, Tanja; Matijašić, Gordana; Kurajica, Stanislav. Sol-gel derived mixed metal oxide sorbents for high temperature gas desulfurization. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 43-49	0,911 (2013.)	NE
239.	Marušić, Katarina; Otmačić Ćurković, Helena; Takenouti, Hisasi. Corrosion inhibition of bronze and its patina exposed to acid rain. // <i>Journal of the electrochemical society</i> . <b>160</b> (2013) , 8; C356-C363	2,859 (2013.)	DA
240.	Meščić, Andrijana; Betzel, Thomas; Müller, Roger; Slavik, Roger; Čermak, Stjepko; Raić-Malić, Silvana; Ametamey M., Simon. Synthesis and biological evaluation of a new acyclic pyrimidine derivative as a probe for imaging herpes simplex virus type 1 thymidine kinase gene expression. // <i>Molecules</i> . <b>18</b> (2013) ; 8535-8549	2,095 (2013.)	DA

241.	Meščić, Andrijana; Glavač, Danijel; Osmanović, Amar; Završnik, Davorka; Cetina, Mario; Makuc, Damjan; Plavec, Janez; Ametamey, M. Simon; Raić-Malić, Silvana. N-alkylated and O-alkylated regioisomers of 5-(hydroxyalkyl)pyrimidines: Synthesis and structural study. // <i>Journal of molecular structure</i> . <b>1039</b> (2013) ; 160-166	1,599 (2013.)	DA
242.	Meščić, Andrijana; Krištafor, Svjetlana; Novaković, Ivana; Osmanović, Amar; Müller, Ursina; Završnik, Davorka; Ametamey, Simon M.; Scapozza, Leonardo; Raić-Malić, Silvana. C-5 hydroxyethyl and hydroxypropyl acyclonucleosides as substrates for thymidine kinase of herpes simplex virus type 1 (HSV-1 TK): Syntheses and biological evaluations. // <i>Molecules</i> . <b>18</b> (2013) , 5; 5104-5124	2,095 (2013.)	DA
243.	Metikoš-Huković, Mirjana; Babić, Ranko; Grubač, Zoran; Petravić, Mladen; Peter, Robert. Potential assisted formation and characterization of hydroxyapatite coatings on biodegradable magnesium alloys. // <i>Journal of the electrochemical society</i> . <b>160</b> (2013) ; H674-H680	2,859 (2013.)	DA
244.	Metikoš-Huković, Mirjana; Grubač, Zoran; Omanović, Saša. Change of an n-type to a p-type conductivity of the N steel's semiconductor passive film: enhancement in the pitting corrosion resistance. // <i>Journal of the Serbian chemical society</i> . <b>78</b> (2013) ; 2053-2067	0,889 (2013.)	DA
245.	Mohaček Grošev, Vlasta; Furić, Krešimir; Ivanković, Hrvoje. Observed bands in Raman and infrared spectra of 1, 3- dioxolane and their assignments. // <i>Vibrational spectroscopy</i> . <b>64</b> (2013) ; 101-107	1,547 (2013.)	DA
246.	Mohler, Ivan; Ujević Andrijić, Željka; Bolf, Nenad; Galinec, Goran. Distillation end point estimation in the diesel fuel production. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 2; 125-132	0,911 (2013.)	NE
247.	Mudronja, Domagoj; Vanmeert, Frederik; Hellemans, Kevin; Fazinić, Stjepko; Janssens, Koen; Tibljaš, Darko; Rogošić, Marko; Jakovljević, Suzana. Efficiency of applying ammonium oxalate for protection of monumental limestone by poultice, immersion and brushing methods. // <i>Applied physics. A, Materials science &amp; processing</i> . <b>111</b> (2013) , 1; 109-119	1,694 (2013.)	DA
248.	Mutavdžić Pavlović, Dragana; Ašperger, Danijela; Tolić, Dijana; Babić, Sandra. Development and optimization studies for determination of pharmaceuticals in water samples by SPE and HPLC with diode-array detection. // <i>Journal of separation science</i> . <b>36</b> (2013) ; 3042-3049	2,594 (2013.)	NE
249.	Mužić, Marko; Sertić-Bionda, Katica. Alternative Processes for Removing Organic Sulfur Compounds. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 101-108	0,911 (2013.)	DA
250.	Nestić, Marina; Babić, Sandra; Mutavdžić Pavlović, Dragana; Sutlović, Davorka. Molecularly imprinted solid phase extraction for simultaneous determination of $\Delta^9$ -tetrahydrocannabinol and its main metabolites by gas chromatography-mass spectrometry in urine samples. // <i>Forensic science international</i> . <b>231</b> (2013) , 1/3; 317-324	2,115 (2013.)	DA
251.	Novak, Mirjana; Mohler, Ivan; Golob, Marjan; Ujević Andrijić, Željka; Bolf, Nenad. Continuous estimation of kerosene cold filter plugging point using soft sensors. // <i>Fuel processing technology</i> . <b>113</b> (2013) ; 8-19	3,019 (2013.)	DA
252.	Novell, Marta; Guinovart, Tomas; Murković Steinberg, Ivana; Steinberg, Matthew; Rius, F. Xavier; Andrade, Francisco J. A novel miniaturized radiofrequency potentiometer tag using ion-selective electrodes for wireless ion sensing. // <i>Analyst</i> . <b>138</b> (2013) ; 5250-5257	3,906 (2013.)	DA
253.	Očelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Influence of polymer types on bitumen engineering properties. // <i>Materials research innovations</i> . <b>17</b> (2013) , 3; 189-194	0,473 (2013.)	DA

254.	Očelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Rheological properties and stability of ethylene vinyl acetate polymer-modified bitumen. // <i>Polymer engineering and science</i> . <b>53</b> (2013) , 11; 2276-2283	1,441 (2013.)	DA
255.	Peček, Gorana; Mutavdžić Pavlović, Dragana; Babić, Sandra. Development and validation of a SPE-GC-MS method for the determination of pesticide in surface water. // <i>International journal of environmental analytical chemistry</i> . <b>93</b> (2013) , 12; 1311-1328	1,321 (2013.)	DA
256.	Penović, Tomislav; Sander, Aleksandra; Grozdanić, Vedrana. Spray drying of aqueous solutions of inorganic and organic materials. // <i>Particulate science and technology</i> . <b>31</b> (2013) , 5; 458-465	0,482 (2013.)	DA
257.	Perin, Nataša; Martin Kleiner, Irena; Nhili, Raja; Laine, William; David-Cordonnier, Marie-Hélène; Vugrek, Oliver; Karminski-Zamola, Grace; Kralj, Marijeta; Hranjec, Marijana. Biological activity and DNA binding studies of 2-substituted benzimidazo[1, 2-a]quinolines bearing different amino side chains. // <i>Medicinal chemistry communications</i> . <b>4</b> (2013) ; 1537-1550	2,626 (2013.)	DA
258.	Periša, Martina; Babić, Sandra; Škorić, Irena; Frömel, Tobias; Knepper, Thomas P. Photodegradation of sulfonamides and their N4- acetylated metabolites in water by simulated sunlight irradiation: Kinetics and identification of photoproducts. // <i>Environmental science and pollution research international</i> . <b>20</b> (2013) , 12; 8934-8946	2,757 (2013.)	DA
259.	Peternel, Igor; Kušić, Hrvoje; Marin, Vedrana; Koprivanac, Natalija. UV-assisted persulfate oxidation: the influence of cation type in persulfate salt on the degradation kinetic of azo dye pollutant. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>108</b> (2013) , 1; 17-39	0,983 (2013.)	DA
260.	Prlić Kardum, Jasna; Hrkovac, Martina; Leskovac, Mirela. Adjustment of process conditions in seeded batch cooling crystallization. // <i>Chemical engineering &amp; technology</i> . <b>36</b> (2013) , 8; 1347-1354	2,175 (2013.)	NE
261.	Ptiček Siročić, Anita; Fijačko, Andrija; Hrnjak-Murčić, Zlata. Chemical recycling of postconsumer poly(ethylene-terephthalate) bottles-depolymerization study. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 65-71	0,911 (2013.)	NE
262.	Ptiček Siročić, Anita; Hrnjak-Murčić, Zlata; Jelenčić, Jasenka. Evaluation of compatibility in SAN/EPDM blends by determination of the adhesion parameters. // <i>Journal of adhesion science and technology</i> . <b>27</b> (2013) , 15; 1652-1665	1,153 (2013.)	NE
263.	Ptiček Siročić, Anita; Hrnjak-Murčić, Zlata; Jelenčić, Jasenka. The surface energy as an indicator of miscibility of SAN/EPDM polymer blends. // <i>Journal of adhesion science and technology</i> . <b>27</b> (2013) , 24; 2615-2628	1,153 (2013.)	NE
264.	Racané, Livio; Kraljević Pavelić, Sandra; Nhili, Raja; Depauw, Sabine; Paul-Constant, Charles; Ratkaj, Ivana; David-Cordonnier, Marie-Helene; Pavelić, Krešimir; Tralić-Kulenović, Vesna; Karminski-Zamola, Grace. New anticancer active and selective phenylene-bisbenzothiazoles : synthesis, antiproliferative evaluation and DNA binding. // <i>European journal of medicinal chemistry</i> . <b>63</b> (2013) ; 882-891	3,432 (2013.)	DA
265.	Rakić, Anita; Štambuk-Giljanović, Nives; Foglar, Lucija. Monitoring Legionella pneumophila in drinking water distribution systems in Southern Croatia. // <i>Fresenius environmental bulletin</i> . <b>22</b> (2013) , 11a; 3390-3397	0,527 (2013.)	DA
266.	Rogina, Anamarija; Ivanković, Marica; Ivanković, Hrvoje. Preparation and characterization of nano-hydroxyapatite within chitosan matrix. // <i>Materials Science and Engineering. C</i> . <b>33</b> (2013) , 8; 4539-4544	2,736 (2013.)	NE

267.	Serdar, Marijana; Valek Žulj, Lidija; Bjegović, Dubravka. Long-term corrosion behaviour of stainless reinforcing steel in mortar exposed to chloride environment. // <i>Corrosion science</i> . <b>69</b> (2013) ; 149-157	3,686 (2013.)	DA
268.	Sopčić, Suzana; Peter, Robert; Petravić, Mladen; Mandić, Zoran. New insights into the mechanism of pseudocapacitance deterioration in electrodeposited MnO <sub>2</sub> under negative potentials. // <i>Journal of power sources</i> . <b>240</b> (2013) ; 252-257	5,211 (2013.)	DA
269.	Sović, Irena; Pavlović, Gordana; Papadopoulos, G. Anastasios; Šišak, Dubravka; Karminski-Zamola; Grace. 2-substituted-1H-perimidines: synthesis, crystal structure and DFT calculations. // <i>Journal of molecular structure</i> . <b>1041</b> (2013) ; 156-163	1,599 (2013.)	DA
270.	Sudar, Martina; Valinger, Davor; Findrik, Zvezdana; Vasić-Rački, Đurđa; Kurtanjek, Želimir. Effect of different variables on the efficiency of the baker's yeast cell disruption process to obtain alcohol dehydrogenase activity. // <i>Applied biochemistry and biotechnology</i> . <b>169</b> (2013) , 3; 1039-1055	1,687 (2013.)	DA
271.	Sudar, Martina; Findrik, Zvezdana; Vasić- Rački, Đurđa; Clapés, Pere; Lozano, Carles. Mathematical model for aldol addition catalyzed by two D-fructose-6-phosphate aldolases variants overexpressed in E. coli. // <i>Journal of biotechnology</i> . <b>167</b> (2013) , 3; 191-200	2,884 (2013.)	DA
272.	Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa; Clapés, Pere; Lozano, Carles. Aldol addition of dihydroxyacetone to N-Cbz-3- aminopropanal catalyzed by two aldolases variants in microreactors. // <i>Enzyme and microbial technology</i> . <b>53</b> (2013) , 1; 38-45	2,966 (2013.)	DA
273.	Šaban, Nina; Stepanić Višnja; Vučinić, Srđan; Horvatić, Anita; Cindrić, Mario; Perković, Ivana; Zorc, Branka; Oršolić, Nada; Mintas, Mladen; Pavelić, Krešimir; Kraljević Pavelić, Sandra. Antitumor mechanisms of amino acid hydroxyurea derivatives in the metastatic colon cancer model. // <i>International journal of molecular sciences</i> . <b>14</b> (2013) , 12; 23654-23671	2,339 (2013.)	DA
274.	Šalić, Anita; Pindrić, Katarina; Zelić, Bruno. Bioproduction of food additives hexanal and hexanoic acid in a microreactor. // <i>Applied biochemistry and biotechnology</i> . <b>171</b> (2013) , 8; 2273-2284	1,687 (2013.)	NE
275.	Šalić, Anita; Pindrić, Katarina; Hojnik Podrepšek, Gordana; Leitgeb, Maja; Zelić, Bruno. NADH oxidation in a microreactor catalyzed by ADH immobilized on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. // <i>Green processing and synthesis</i> . <b>2</b> (2013) , 6; 569-578	1,125 (2014.)	DA
276.	Šalić, Anita; Ivanković, Mia; Ferk, Elvira; Zelić, Bruno. ADH based NAD <sup>+</sup> regeneration in a microreactor. // <i>Journal of chemical technology and biotechnology</i> . <b>88</b> (2013) , 9; 1721-1729	2,494 (2013.)	NE
277.	Šalić, Anita; Faletar, Petra; Zelić, Bruno. NAD <sup>+</sup> regeneration in a microreactor using permeabilized baker's yeast cells. // <i>Biochemical engineering journal</i> . <b>77</b> (2013) ; 88-96	2,368 (2013.)	NE
278.	Ščetar, Mario; Ptiček Siročić, Anita; Hrnjak-Murđić, Zlata; Galić, Kata. Preparation and properties of low density polyethylene film modified by zeolite and nanoclay. // <i>Polymer-plastics technology and engineering</i> . <b>52</b> (2013) , 15; 1611-1620	1,481 (2012.)	DA
279.	Šipušić, Juraj; Ukrainczyk, Neven; Vrbos, Nevenka. Compressive strength of calcium aluminate mortar determined by ultrasonic non-destructive test method. // <i>Advances in cement research</i> . <b>25</b> (2013) , 3; 143-154	0,486 (2013.)	NE
280.	Švarc, Anera; Ukić, Šime; Radojević Lacković, Sandra; Đuričić, Biljana; Novak, Mirjana; Bolanča, Tomislav.	0,911 (2013.)	DA

	Influence of ultrasonic and microwave irradiation on cation exchange properties of clay material. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 29-35		
<b>281.</b>	Ujević Bošnjak, Magdalena; Casiot, Corinne; Duić, Željko; Fazinić, Stjepko; Halamić, Josip; Sipos, Laszlo; Santo, Vera; Dadić, Željko. Sediment characterization and its implications for arsenic mobilization in deep aquifers of eastern Croatia. // <i>Journal of geochemical exploration</i> . <b>126-127</b> (2013) ; 55-66	2,432 (2013.)	<b>DA</b>
<b>282.</b>	Ukić, Šime; Dimić, Petra; Šiljeg, Mario; Ujević Bošnjak, Magdalena; Šipušić, Juraj; Bolanča, Tomislav. Manganese waste mud immobilization in cement – natural zeolite – lime blend: Process optimization using artificial neural networks and multi-criteria functions. // <i>Materialwissenschaft und Werkstofftechnik</i> . <b>44</b> (2013) , 4; 273-281	0,433 (2013.)	<b>DA</b>
<b>283.</b>	Ukić, Šime; Rogošić, Marko; Novak, Mirjana; Šimović, Ena; Tišler, Vesna; Bolanča, Tomislav. Optimization of IC separation based on isocratic- to-gradient retention modeling in combination with sequential searching or evolutionary algorithm. // <i>Journal of analytical methods in chemistry</i> . (2013) ; 549729-1-549729-11; Article ID 549729	0,948 (2013.)	<b>DA</b>
<b>284.</b>	Ukrainczyk, Neven; Franković Mihelj, Nirvana; Šipušić, Juraj. Calcium Sulfoaluminate eco-cement from industrial waste. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 83-93	0,911 (2013.)	<b>DA</b>
<b>285.</b>	Ukrainczyk, Neven; Rogina, Anamarija. Styrene-butadiene latex modified calcium aluminate cement mortar. // <i>Cement &amp; concrete composites</i> . <b>41</b> (2013) ; 16-23	2,760 (2013.)	<b>NE</b>
<b>286.</b>	Vidović, Elvira; Klee, Doris; Hoecker, Hartwig. Evaluation of water uptake and mechanical properties of biomedical polymers. // <i>Journal of applied polymer science</i> . <b>130</b> (2013) , 5; 3682-3688	1,640 (2013.)	<b>DA</b>
<b>287.</b>	Vranješ Penava, Nina; Rek, Vesna; Fiamengo Houra, Ivona. Effect of EPDM as a compatibilizer on mechanical properties and morphology of PP/LDPE blends. // <i>Journal of elastomers and plastics</i> . <b>45</b> (2013) , 4; 391-403	0,714 (2013.)	<b>DA</b>
<b>288.</b>	Vrsalović Presečki, Ana; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Mathematical modeling of maize starch liquefaction catalyzed by alpha-amylases from <i>Bacillus licheniformis</i> - effect of calcium, pH and temperature. // <i>Bioprocess and biosystems engineering</i> . <b>36</b> (2013) , 1; 117-126	1,823 (2013.)	<b>NE</b>
<b>289.</b>	Vrsalović Presečki, Ana; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Complete starch hydrolysis by the synergistic action of amylase and glucoamylase: impact of calcium ions. // <i>Bioprocess and biosystems engineering</i> . <b>36</b> (2013) , 11; 1555-1562	1,823 (2013.)	<b>NE</b>
<b>290.</b>	Vuk, Dragana; Potroško, Dalia; Šindler-Kulyk, Marija; Marinić, Željko; Molčanov, Krešimir; Kojić-Prodić, Biserka; Škorić, Irena. Synthesis and photochemical transformations of new butadiene chromophores: the influence of the nature and position of chlorine substituent on the photoinduced behavior. // <i>Journal of molecular structure</i> . <b>1051</b> (2013) ; 1-14	1,599 (2013.)	<b>DA</b>
<b>291.</b>	Vuković Domanovac, Marija; Čosić, Ivana; Sojčić, Martina; Briški, Felicita. Treatment of tobacco dust leachate by activated sludge - evaluation of biokinetic parameters. // <i>Chemical and biochemical engineering quarterly</i> . <b>27</b> (2013) , 1; 51-56	0,911 (2013.)	<b>NE</b>
<b>292.</b>	Weitner, Tin; Kos, Ivan; Mandić, Zoran; Batinić-Haberle, Ines; Biruš, Mladen. Acid-base and electrochemical properties of manganese meso(ortho- and meta-N-ethylpyridyl)porphyrins: voltammetric and chronocoulometric study of protolytic and redox equilibria. // <i>Dalton transactions</i> . <b>42</b> (2013) , 41; 14757-14765	4,097 (2013.)	<b>DA</b>



293.	Wittine, Karlo; Poljak, Kristina; Kovač, Matea; Makuc, Damjan; Plavec, Janez; Balzarini, Jan; Martinović, Tamara; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Mintas, Mladen. The novel [4, 5-e][1, 3]Diazepine-4, 8-dione and acyclic carbamoyl imino-ureido derivatives of imidazole: synthesis, anti-viral and anti-tumor activity evaluations. // <i>Molecules</i> . <b>18</b> (2013), 11; 13385-13397	2,095 (2013.)	DA
294.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High shear granulation of dolomite – I: Effect of shear regime on process kinetics. // <i>Chemical engineering research &amp; design</i> . <b>91</b> (2013), 1; 70-86	2,281 (2013.)	NE
295.	Aleksić, Maja; Bertosa, Branimir; Nhili, Raja; Depauw, Sabine; Martin-Kleiner, Irena; David-Cordonnier, Marie-Helene; Tomić, Sanja; Kralj, Marijeta; Karminski-Zamola, Grace. Anilides and quinolones with nitrogen-bearing substituents from benzothiophene- and thienothiophene- series: synthesis, photochemical synthesis, cytostatic evaluation, 3D-derived QSAR analysis and DNA-binding properties. // <i>European journal of medicinal chemistry</i> . <b>71</b> (2014); 267-281	3,447 (2014.)	DA
296.	Ašperger, Danijela; Ćurković, Lidija; Horvat, Alka J. M.; Kaštelan-Macan, Marija. Optimization condition for thin-layer identification of bronzes after anodic sampling. // <i>JPC. Journal of planar chromatography, modern TLC</i> . <b>27</b> (2014), 2; 84-87	0,670 (2013.)	DA
297.	Ašperger, Danijela; Tišler, Vesna; Zrnčić, Mirta; Mutavdžić Pavlović, Dragana; Babić, Sandra; Horvat, Alka J. M.; Kaštelan-Macan, Marija. HPLC–DAD–FLD Determination of veterinary pharmaceuticals in pharmaceutical industry wastewater with precolumn derivatization using fluorescamine. // <i>Chromatographia</i> . <b>77</b> (2014); 1059-1066	1,411 (2014.)	DA
298.	Bolanča, Tomislav; Ukić, Šime; Novak, Mirjana; Rogošić, Marko. Computer assisted method development in liquid chromatography. // <i>Croatica chemica acta</i> . <b>87</b> (2014), 2; 111-122	0,728 (2014.)	NE
299.	Bolanča, Tomislav; Ukić, Šime; Peternel, Igor; Kušić, Hrvoje; Lončarić Božić, Ana. Artificial neural network models for advanced oxidation of organics in water matrix - Comparison of applied methodologies. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014); 21-29	0,513 (2014.)	NE
300.	Ćurković, Lidija; Bolanča, Tomislav; Šiljeg, Mario; Foglar, Lucija. The kinetic modelling of Fe <sup>3+</sup> ion uptake by zeolite from water. // <i>Indian journal of chemical technology</i> . <b>21</b> (2014); 56-62	0,513 (2014.)	DA
301.	Dejanović, Igor; Halvorsen, Ivar J.; Skogestad, Sigurd; Jansen, Helmut; Olujić, Žarko. Hydraulic design, technical challenges and comparison of alternative configurations of a four-product dividing wall column. // <i>Chemical engineering and processing</i> . <b>84</b> (2014); 71-81	2,071 (2014.)	DA
302.	Dražević, Emil; Košutić, Krešimir; Dananić, Vladimir. Mass transfer of differently sized organic solutes at spacer covered and permeable nanofiltration wall. // <i>Chemical engineering journal</i> . <b>244</b> (2014); 152-159	4,321 (2014.)	NE
303.	Dražević, Emil; Košutić, Krešimir; Freger, Viatcheslav. Permeability and selectivity of reverse osmosis membranes: Correlation to swelling revisited. // <i>Water research</i> . <b>49</b> (2014); 444-452	5,528 (2014.)	DA
304.	Dražević, Emil; Košutić, Krešimir; Kolev, Vesselin; Freger, Viatcheslav. Does hindered transport theory apply to desalination membranes?. // <i>Environmental science &amp; technology</i> . <b>48</b> (2014), 19; 11471-11478	5,330 (2014.)	DA

305.	Faraguna, Fabio; Peter, Robert; Volovšek, Vesna; Jukić, Ante. Synthesis and characterization of alkyl ester functionalized multiwall carbon nanotubes. // <i>Journal of nanoscience and nanotechnology</i> . <b>14</b> (2014) , 8; 6347-6354	1,556 (2014.)	DA
306.	Findrik, Zvezdana; Valentović, Ivana; Vasić- Rački, Đurđa. A mathematical model of oxidative deamination of amino acid catalyzed by two D-amino acid oxidases and influence of aeration on enzyme stability. // <i>Applied biochemistry and biotechnology</i> . <b>172</b> (2014) , 6; 3092-3105	1,735 (2014.)	NE
307.	Gazivoda Kraljević, Tatjana; Ilić, Nataša; Stepanić, Višnja; Sappe, Lana; Petranović, Jasna; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Synthesis and in vitro antiproliferative evaluation of novel N-alkylated 6-isobutyl- and propyl pyrimidine derivatives. // <i>Bioorganic &amp; Medicinal Chemistry Letters</i> . <b>24</b> (2014) , 13; 2913-2917	2,420 (2014.)	DA
308.	Grčić, Ivana; Papić, Sanja; Mesec, Danijela; Koprivanac, Natalija; Vujević, Dinko. The kinetics and efficiency of UV assisted advanced oxidation of various types of commercial organic dyes in water. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>273</b> (2014) ; 49-58	2,495 (2014.)	DA
309.	Jović, Franjo; Grašovec, Marko; Dejanović, Igor; Kosar, Vanja. Dynamic simulation of high-pressure tubular reactor for low-density polyethylene production. // <i>Journal of elastomers and plastics</i> . <b>48</b> (2014) , 8; 737-746	0,773 (2014.)	NE
310.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Lončarić Božić, Ana. Modeling of photooxidative degradation of aromatics in water matrix ; combination of mechanistic and structural-relationship approach. // <i>Chemical engineering journal</i> . <b>257</b> (2014) ; 229-241	4,321 (2014.)	DA
311.	Juretić, Daria; Purić, Jelena; Kušić, Hrvoje; Marin, Vedrana; Lončarić Božić, Ana. Structural influence on photooxidative degradation of halogenated phenols. // <i>Water, air and soil pollution</i> . <b>225</b> (2014) , 2143; 1-18	1,554 (2014.)	DA
312.	Kalinski, Ivana; Juretić, Daria; Kušić, Hrvoje; Peternel, Igor; Lončarić Božić, Ana. Structural aspects of degradation of sulfoaromatics by UV/H <sub>2</sub> O <sub>2</sub> process. // <i>Journal of photochemistry and photobiology. A, Chemistry</i> . <b>293</b> (2014) ; 1-11	2,495 (2014.)	NE
313.	Kassal, Petar; Šurina, Robert; Vrsaljko, Domagoj; Murković Steinberg, Ivana. Hybrid sol-gel thin films doped with a pH indicator : Effect of organic modification on optical pH response and surface hydrophobicity. // <i>Journal of sol-gel science and technology</i> . <b>69</b> (2014) , 3; 586-595	1,532 (2014.)	DA
314.	Katančić, Zvonimir; Kratožil Krehula, Ljerka; Ptiček Siročić, Anita; Grozdanić, Vedrana; Hrnjak-Murgić, Zlata. Effect of modified nanofillers on fire retarded HDPE/Wood composites. // <i>Journal of composite materials</i> . <b>48</b> (2014) , 30; 3771-3783	1,173 (2014.)	NE
315.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata. Flammability and thermal properties of zeolite filled high-impact polystyrene composites. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 14; 1487-1493	1,481 (2012.)	DA
316.	Katančić, Zvonimir; Travaš-Sejdić, Jadranka; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Thermal decomposition of fire-retarded high-impact polystyrene and high-impact polystyrene/ethylene-vinyl acetate blend nanocomposites followed by thermal analysis. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 3; 233-252	0,773 (2014.)	DA
317.	Katić, Jozefina; Metikoš-Huković, Mirjana. Correlation between electronic and corrosion properties of the passive oxide film on Nitinol. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 350-356	0,686 (2014.)	NE

318.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Synthesis and characterization of calcium phosphate coatings on Nitinol. // <i>Journal of applied electrochemistry</i> . <b>44</b> (2014) , 1; 87-96	2,409 (2014.)	NE
319.	Katić, Jozefina; Metikoš-Huković, Mirjana; Škapin, Srečo Davor; Petravić, Mladen; Varašanec, Marijana. The potential-assisted deposition as valuable tool for producing functional apatite coatings on metallic materials. // <i>Electrochimica acta</i> . <b>127</b> (2014) ; 173-179	4,504 (2014.)	DA
320.	Katić, Višnja; Otmačić Ćurković, Helena; Semenski, Damir; Baršić, Gorana; Marušić, Katarina; Špalj, Stjepan. Influence of surface layer on mechanical and corrosion properties of nickel-titanium orthodontic wires. // <i>Angle orthodontist</i> . <b>84</b> (2014) , 6; 1041-1048	1,225 (2014.)	DA
321.	Kereković, Irena. Electrochemical evaluation of binding copper and copper histidine complex on histidine modified gold electrode. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) ; 5596-5606	1,500 (2014.)	NE
322.	Kereković, Irena; Milardović, Stjepan; Palčić, Marina; Grabarić, Zorana. Characterization of cysteamine self assembled on gold functionalized with nitrilotriacetic acid and evaluation of copper(II) binding capacity with adsorption transfer stripping voltammetry. // <i>Journal of electroanalytical chemistry</i> . <b>724</b> (2014) ; 103-110	2,729 (2014.)	DA
323.	Koenders, Eduardus A.B.; Hansen, Will; Ukrainczyk Neven; Toledo-Filho Romildo. Modeling pore continuity and durability of cementitious sealing material. // <i>Journal of energy resources technology-Transactions of the ASME</i> . <b>136</b> (2014) , 4; 042906-1-042906-11	1,886 (2014.)	DA
324.	Kopčić, Nina; Vuković Domanovac, Marija; Kučić, Dajana; Briški, Felicita. Evaluation of laboratory-scale in-vessel co-composting of tobacco and apple waste. // <i>Waste management</i> . <b>34</b> (2014) , 2; 323-328	3,220 (2014.)	NE
325.	Kovačević, Vera. Controlled CaCO <sub>3</sub> stearate pre-treatment effects on the interphase adhesion in filled SAN/EPDM blend. // <i>Journal of adhesion science and technology</i> . <b>28</b> (2014) , 22-23; 2231-2247	0,961 (2014.)	NE
326.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Ptiček Siročić, Anita; Hrnjak-Murgić, Zlata. Weathering of high density polyethylene-wood plastic composites. // <i>Journal of wood chemistry and technology</i> . <b>34</b> (2014) , 1; 39-54	1,588 (2014.)	NE
327.	Kurajica, Stanislav; Popović, Jasminka; Gazivoda, Tatjana; Tkalčec Čižmek, Emilija; Simčić, Ivan; Mandić, Vilko; Altomare, Angela; Moliterni, Anna; Rocquefelte, Xavier. A structural investigation of tris(ethyl acetoacetate)aluminium (III). // <i>Journal of sol-gel science and technology</i> . <b>71</b> (2014) ; 217-223	1,532 (2014.)	DA
328.	Kurajica, Stanislav; Škorić, Irena; Lozić, Iva; Mandić, Vilko. Ethyl acetoacetate ligand distribution in the course of titanium n-butoxide chelation. // <i>Materials chemistry and physics</i> . <b>147</b> (2014) , 3; 1058-1067	2,259 (2014.)	NE
329.	Mandić, Vilko; Tkalčec Čižmek, Emilija; Kurajica, Stanislav. The effect of La <sub>2</sub> O <sub>3</sub> addition on sol-gel derived mullitization. // <i>Journal of the American ceramic society</i> . <b>97</b> (2014) , 7; 2264-2271	2,610 (2014.)	NE
330.	Marušić, Katarina; Hajdari, Zana; Otmačić Ćurković, Helena. Optimizing the preparation procedure of self- assembled monolayer of stearic acid for protection of cupronickel alloy. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) ; 328-339	0,686 (2014.)	NE

331.	Mastelić Samardžić, Zrinka; Jelčić, Želimir; Zrnčević, Stanka. Kinetics and mass transfer in the hydrogenation of 2-((1-benzyl-1, 2, 3, 6-tetrahydropyridin-4-yl)methylene)-5, 6-dimethoxy-2, 3-dihydroinden-1-one hydrochloride over Pt/C catalyst. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 437-445	0,802 (2014.)	DA
332.	Matijašević, Ljubica; Vučković, Ana; Dejanović, Igor. Analysis of cooling water systems in a petroleum refinery. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 451-457	0,802 (2014.)	DA
333.	Milovac, Dajana; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: Morphology, mechanical properties and bioactivity. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>34</b> (2014) ; 437-445	3,088 (2014.)	DA
334.	Milovac, Dajana; Gamboa-Martínez Tatiana C.; Ivanković, Marica; Gallego Ferrer, Gloria; Ivanković, Hrvoje. PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: in vitro cell culture studies. // <i>Materials Science and Engineering: C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 264-272	3,088 (2014.)	DA
335.	Milovac, Nikolina; Juretić, Daria; Kušić, Hrvoje; Đermadi, Jasna; Lončarić Božić, Ana. Photooxidative degradation of aromatic carboxylic acids in water ; influence of hydroxyl substituents. // <i>Industrial &amp; Engineering Chemistry Research</i> . <b>53</b> (2014) , 26; 10590-10598	2,587 (2014.)	DA
336.	Mutavdžić Pavlović, Dragana; Ćurković, Lidija; Blažek, Dijana; Župan, Josip. The sorption of sulfamethazine on soil samples: Isotherms and error analysis. // <i>Science of the total environment</i> . <b>497-498</b> (2014) ; 543-552	4,099 (2014.)	DA
337.	Ocelić Bulatović, Vesna; Rek, Vesna; Jurkaš Marković, Kristina. Effect of polymer modifiers on the properties of bitumen. // <i>Journal of elastomers and plastics</i> . <b>46</b> (2014) , 5; 448-469	0,773 (2014.)	DA
338.	Ocelić Bulatović, Vesna; Rek, Vesna; Marković, Josipa. Rheological properties of bitumen modified with ethylene butylacrylate glycidylmethacrylate. // <i>Polymer engineering and science</i> . <b>54</b> (2014) , 5; 1056-1065	1,520 (2014.)	NE
339.	Palčić, Marina; Milardović, Stjepan; Kereković, Irena; Grabarić, Zorana. Application of nitrilotriacetic acid modified gold electrode for determination of lead in natural waters with differential pulse adsorptive cathodic stripping voltammetry. // <i>International journal of electrochemical science</i> . <b>9</b> (2014) , 7; 3701-3714	1,500 (2014.)	DA
340.	Papić, Sanja; Peternel, Igor; Krevzelj, Željko; Kušić, Hrvoje; Koprivanac, Natalija. Advanced oxidation of an azo dye and its synthesis intermediates in aqueous solution: effect of Fenton treatment on mineralization, biodegradability and toxicity. // <i>Environmental engineering and management journal</i> . <b>13</b> (2014) , 10; 2561-2571	1,065 (2014.)	NE
341.	Perin, Nataša; Nhili, Raja; Ester, Katja; Laine, William; Karminski-Zamola, Grace; Kralj, Marijeta; David-Cordonnier, Marie-Héle`ne; Hranjec, Marijana. Synthesis, antiproliferative activity and DNA binding properties of novel 5-aminobenzimidazo[1,2-a]quinoline-6-carbonitriles. // <i>European journal of medicinal chemistry</i> . <b>80</b> (2014) ; 218-227	3,447 (2014.)	DA
342.	Periša, Martina; Babić, Sandra. Simultaneous determination of pharmaceuticals and some of their metabolites in wastewaters by high performance liquid chromatography-tandem mass spectrometry. // <i>Journal of separation science</i> . <b>37</b> (2014.) ; 1289-1296	2,737 (2014.)	NE
343.	Petravić, Mladen; Varašanec, Marijana; Peter, R; Kavre, I; Metikoš-Huković, Mirjana; Yang, Y.-W. Electronic structure of nitinol surfaces oxidized by low-energy ion bombardment. // <i>Journal of applied physics</i> . <b>115</b> (2014) ; 43703-43703	2,183 (2014.)	DA
344.	Plodinec, Milivoj; Gajović, Andreja; Iveković, Damir; Tomašić, Nenad; Zimmerman, Boris; Macan, Jelena; Haramina, Tatjana; Su, DangSeng; Willinger, Marc. Study of thermal stability of (3- aminopropyl)trimethoxy silane-grafted titanate nanotubes for application as nanofillers in polymers. // <i>Nanotechnology</i> . <b>25</b> (2014) ; 435601-435614	3,821 (2014.)	DA

345.	Ptiček Siročić, Anita; Rešček, Ana; Hrnjak-Murgić, Zlata. Polyethylene nanocomposites filled with modified nanoparticles. // <i>Polymer-plastics technology and engineering</i> . <b>53</b> (2014) , 8; 811-817	1,481 (2012.)	DA
346.	Ptiček Siročić, Anita; Rešček, Ana; Ščetar, Mario; Kratofil Krehula, Ljerka; Hrnjak-Murgić, Zlata. Development of low density polyethylene nanocomposites films for packaging. // <i>Polymer bulletin</i> . <b>71</b> (2014) , 3; 705-717	1,438 (2014.)	DA
347.	Ptiček Siročić, Anita; Kratofil Krehula, Ljerka; Katančić, Zvonimir; Hrnjak-Murgić, Zlata. Kinetic analysis of thermal and thermo-oxidative degradation of polyethylene (nano)composites. // <i>Composite interfaces</i> . <b>21</b> (2014) , 3; 179-189	0,726 (2014.)	NE
348.	Pustak, Anđela; Leskovic, Mirela; Denac, Matjaž; Švab, Iztok; Pohleven, Janez; Makarovič, Matjaž; Musil, Vojko; Šmit, Ivan. Interfacial and mechanical properties of polypropylene/silica nano- and microcomposites. // <i>Journal of reinforced plastics and composites</i> . <b>33</b> (2014) , 9; 851-861	1,503 (2014.)	DA
349.	Rogina, Anamarija. Electrospinning process: Versatile preparation method for biodegradable and natural polymers and biocomposite systems applied in tissue engineering and drug delivery. // <i>Applied surface science</i> . <b>296</b> (2014) ; 221-230	2,711 (2014.)	NE
350.	Rogošić, Marko; Sander, Aleksandra; Pantaler, Martina. Application of 1-pentyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide for desulfurization, denitrification and dearomatization of FCC gasoline. // <i>Journal of chemical thermodynamics</i> . <b>76</b> (2014) ; 1-15	2,679 (2014.)	NE
351.	Sander, Aleksandra; Penović, Tomislav. Droplet size distribution obtained by atomization with two-fluid nozzles in a spray dryer. // <i>Chemical engineering &amp; technology</i> . <b>37</b> (2014) , 12; 2073-2084	2,442 (2014.)	NE
352.	Sinčić, Dinko; Ribić, Bojan; Caharija, Alojz. Novel fouling measurement device. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 465-472	0,802 (2014.)	DA
353.	Somogyi Škoc, Maja; Macan, Jelena; Pezelj, Emira. Modification of polyurethane-coated fabrics by sol-gel thin films. // <i>Journal of applied polymer science</i> . <b>131</b> (2014) , 4; 39914-1-39914-13	1,768 (2014.)	DA
354.	Sopčič, Suzana; Mandić, Zoran; Kraljić Roković, Marijana. Some factors influencing power and energy capabilities of RuO <sub>2</sub> supercapacitors. // <i>Acta chimica Slovenica</i> . <b>61</b> (2014) , 2; 272-279	0,686 (2014.)	NE
355.	Sović, Irena; Kraljević Pavelić, Sandra; Markova-Car, Elitza; Ilić, Nataša; Nhili, Raja; Depauw, Sabine; David-Cordonnier, Marie-Hélène; Karminski-Zamola, Grace. Novel phenyl and pyridyl substituted derivatives of isoindolines: Synthesis, antitumor activity and DNA binding features. // <i>European journal of medicinal chemistry</i> . <b>87</b> (2014) , 24; 372-385	3,447 (2014.)	DA
356.	Steinberg, Matthew D.; Kassal, Petar; Tkalčec, Biserka; Murković Steinberg, Ivana. Miniaturised wireless smart tag for optical chemical analysis applications. // <i>Talanta</i> . <b>118</b> (2014) ; 375-381	3,545 (2014.)	DA
357.	Steinberg, Matthew D.; Žura, Ivan; Murković Steinberg, Ivana. Wireless smart tag with on-board conductometric chemical sensor. // <i>Sensors and actuators. B, Chemical</i> . <b>196</b> (2014) ; 208-214	4,097 (2014.)	DA

358.	Sudar, Martina; Findrik, Zvezdana; Vuković Domanovac, Marija; Vasić-Rački, Đurđa. Coenzyme regeneration catalyzed by NADH oxidase from <i>Lactococcus lactis</i> . // <i>Biochemical engineering journal</i> . <b>88</b> (2014) ; 12-18	2,467 (2014.)	NE
359.	Šagud, Ivana; Božić, Simona; Marinić, Željko; Šindler-Kulyk, Marija. Photochemical approach to functionalized benzobicyclo[3.2.1]octene structures via fused oxazoline derivatives from 4- and 5-(o-vinylstyryl)oxazoles. // <i>Beilstein journal of organic chemistry</i> . <b>10</b> (2014) ; 2222-2229	2,757 (2014.)	DA
360.	Šagud, Ivana; Šindler-Kulyk, Marija; Spalletti, Anna; Mazzucato, Ugo. Photoisomerization and photocyclization of 5-styryloxazole. // <i>Croatica chemica acta</i> . <b>87</b> (2014) , 4; 327-333	0,728 (2014.)	DA
361.	Šalić, Anita; Zelić, Bruno. ADH catalysed hexanol oxidation with fully integrated NADH regeneration performed in microreactors connected in series. // <i>RSC Advances</i> . <b>4</b> (2014) ; 41714-41721	3,840 (2014.)	NE
362.	Škugor Rončević, Ivana; Grubač, Zoran; Metikoš-Huković, Mirjana. Electrodeposition of hydroxyapatite coating on AZ91D alloy for biodegradable implant application. // <i>International Journal of Electrochemical Science</i> . <b>9</b> (2014) , 11; 5907-5923	1,500 (2014.)	DA
363.	Šoštarić, Igor; Nežić, Igor; Jović, Franjo; Marčelić, Eugen; Meštrovic, Ernest; Zrnčević, Stanka. Modeling-based development of an enantioselective hydrogenation reaction of a sitagliptine intermediate. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 1; 1-11	0,802 (2014.)	DA
364.	Štrkalj, Anita; Glavaš, Zoran; Matijašić, Gordana. Adsorption of hexavalent chromium from aqueous solution by steel-making slag. // <i>Materiali in tehnologije</i> . <b>48</b> (2014) , 5; 619-622	0,548 (2014.)	DA
365.	Tarbuk, Anita; Grancarić, Anamarija; Leskovic, Mirela. Novel cotton cellulose by cationisation during the mercerisation process - Part 1: Chemical and morphological changes. // <i>Cellulose</i> . <b>21</b> (2014) , 3; 2167-2179	3,573 (2014.)	DA
366.	Tarbuk, Anita; Grancarić, Anamarija; Leskovic, Mirela. Novel cotton cellulose by cationisation during mercerisation - Part 2: Interface phenomena. // <i>Cellulose</i> . <b>21</b> (2014) , 3; 2089-2099	3,573 (2014.)	DA
367.	Tišma, Marina; Molnar, Maja; Škarica, Marija; Čačić, Milan; Zelić, Bruno. Laccase inhibiting activity of some coumarin derivatives. // <i>Letters in organic chemistry</i> . <b>11</b> (2014) ; 583-589	0,664 (2014.)	DA
368.	Tkalčec, Emilija; Popović, Jasminka; Orlić, Sebastijan; Milardović, Stjepan; Ivanković, Hrvoje. Hydrothermal synthesis and thermal evolution of carbonate-fluorhydroxyapatite scaffold from cuttlefish bones. // <i>Materials science and engineering C, Materials for Biological Applications</i> . <b>42</b> (2014) ; 578-586	3,088 (2014.)	DA
369.	Tusić, Marko; Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa. Operational stability of glucoamylase in continuously operated ultrafiltration membrane reactor – experimental methods and mathematical model. // <i>Chemical and biochemical engineering quarterly</i> . <b>28</b> (2014) , 4; 473-480	0,802 (2014.)	NE
370.	Ukić, Šime; Mandić, Vilko; Buić, Zdenko; Bolanča, Tomislav; Zelić, Bruno; Kurajica, Stanislav; Novak, Mirjana. Sorption kinetics and structural investigations of acid and alkali pretreated bentonite used for ammonium and phosphate removal from petrochemical wastewater. // <i>Fresenius environmental bulletin</i> . <b>23</b> (2014) , 5; 1260-1270	0,378 (2014.)	DA

371.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography—Part I: Conventional QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 985-996	1,411 (2014.)	DA
372.	Ukić, Šime; Novak, Mirjana; Vlahović, Ana; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part II: Artificial intelligence QSRR approach. // <i>Chromatographia</i> . <b>77</b> (2014) ; 997-1007	1,411 (2014.)	DA
373.	Ukrainczyk, Neven; Koenders, Eduardus. Representative elementary volumes for 3D modeling of mass transport in cementitious materials. // <i>Modelling and simulation in materials science and engineering</i> . <b>22</b> (2014) , 3; 035001-1-035001-24	2,167 (2014.)	DA
374.	Valinger, Davor; Vrsalović Presečki, Ana; Kurtanjek, Želimir; Pohl, Martina; Findrik Blažević, Zvezdana; Vasić-Rački, Đurđa. Continuous enzymatic carboligation of benzaldehyde and acetaldehyde in an enzyme ultrafiltration membrane reactor and laminar flow microreactors. // <i>Journal of Molecular Catalysis B: Enzymatic</i> . <b>102</b> (2014) ; 132-137	2,128 (2014.)	DA
375.	Volovšek, Vesna; Dananić, Vladimir; Bistričić, Lahorija; Movre Šapić, Iva; Furić Krešimir. Raman study of vibrational dynamics of aminopropylsilanetriol in gas phase. // <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> . <b>117</b> (2014) ; 478-484	2,353 (2014.)	DA
376.	Vrankić, Martina; Žagar, Kristina; Bijelić, Mirjana; Popović, Jasminka; Gržeta, Biserka; Kurajica, Stanislav. Microstructure of sol-gel derived Mn-doped gahnite: Correlation of TEM and XRD investigations. // <i>Journal of physics and chemistry of solids</i> . <b>75</b> (2014) , 11; 1240-1244	1,853 (2014.)	DA
377.	Vuk, Dragana; Kikaš, Ilijana; Molčanov, Krešimir; Horváth, Ottó; Škorić, Irena. Functionalization of the benzobicyclo[3.2.1]octadiene skeleton via photocatalytic oxygenation of thiophene and furan derivatives: the impact of the type and position of the heteroatom. // <i>Journal of molecular structure</i> . <b>1063</b> (2014) ; 83-91	1,602 (2014.)	DA
378.	Vuk, Dragana; Marinić, Željko; Molčanov, Krešimir; Margetić, Davor; Škorić, Irena. Thermal electrocyclization reactions II: benzooctatetraenes and benzodecapentaenes. // <i>Tetrahedron</i> . <b>70</b> (2014) ; 886-891	2,641 (2014.)	DA
379.	Vuk, Dragana; Marinić, Željko; Škorić, Irena. Photochemical approach to new polycyclic substrates suitable for further photocatalytic functionalization. // <i>Croatica chemica acta</i> . <b>87</b> (2014) ; 465-473	0,728 (2014.)	DA
380.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Weak interactions direct crystal packings of arylated 1, 3-butadienes. // <i>Journal of molecular structure</i> . <b>1065-1066</b> (2014) ; 43-51	1,602 (2014.)	DA
381.	Vuk, Dragana; Molčanov, Krešimir; Škorić, Irena. Novel arylated chloro- and methoxy-1, 3-dibutadienes: influence of substituents on molecular conformation and crystal packing. // <i>Journal of molecular structure</i> . <b>1068</b> (2014) ; 124-129	1,602 (2014.)	DA
382.	Zrnčić, Mirta; Gros, Meritzell; Babić, Sandra; Kaštelan-Macan, Marija; Barcelo, Damia; Petrović Mira. Analysis of anthelmintics in surface water by ultra high performance liquid chromatography coupled to quadrupole linear ion trap tandem mass spectrometry. // <i>Chemosphere</i> . <b>99</b> (2014) ; 224-232	3,340 (2014.)	DA
383.	Žižek, Krunoslav; Hraste, Marin; Gomzi, Zoran. High shear granulation of dolomite – II: Effect of amount of binder liquid on process kinetics. // <i>Chemical Engineering Research and Design</i> . <b>92</b> (2014) ; 1091-1106	2,348 (2014.)	NE

384.	Žura, Ivan; Babić, Dinko; Steinberg, Matthew D.; Murković Steinberg, Ivana. Low-cost conductometric transducers for use in thin polymer film chemical sensors. // <i>Sensors and actuators. B, Chemical</i> . <b>193</b> (2014) ; 128-135	4,097 (2014.)	DA
385.	Babić, Sandra; Zrnčić, Mirta; Ljubas, Davor; Ćurković, Lidija; Škorić, Irena. Photolytic and thin TiO <sub>2</sub> film assisted photocatalytic degradation of sulfamethazine in aqueous solution. // <i>Environmental science and pollution research</i> . <b>22</b> (2015) , 15; 11372-11386	2,828 (2014.)	DA
386.	Berger, Michael L.; Maciejewska, Dorota; Vanden Eynde, Jean Jacques; Mottamal, Madhusoodanan; Żabiński, Jerzy; Kaźmierczaki, Paweł; Rezler, Mateusz; Jarak, Ivana; Piantanida, Ivo; Karminski-Zamola, Grace; Mayence, Annie; Rebernik, Patrick; Kumar, Arvind; Ismail, Mohamed A.; Boykin, David W.; Huang, Tien L. Pentamidine analogs as inhibitors of [3H]MK-801 and [3H]ifenprodil binding to rat brain NMDA receptors. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>23</b> (2015) ; 4489-4500	2,793 (2014.)	DA
387.	Bistričić, Lahorija; Borjanović, Vesna; Leskovac, Mirela; Mikac, Lara; McGuire, GE; Shenderova, Olga; Nunn, Nick. Raman spectra, thermal and mechanical properties of poly(ethylene terephthalate) carbon-based nanocomposite films. // <i>Journal of polymer research</i> . <b>22</b> (2015) , 3; 39-1-39-12	1,920 (2014.)	DA
388.	Budžaki, Sandra; Šalić, Anita; Zelić, Bruno; Tišma, Marina. Enzyme catalyzed biodiesel production from edible and waste cooking oil. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 329-333	0,802 (2014.)	DA
389.	Dujella, Andrej; Gusić, Ivica; Tadić, Petra. The rank and generators of Kihara's elliptic curve with torsion $Z/4Z$ over $Q(t)$ . // <i>Proceedings of the Japan Academy. Series A Mathematical sciences</i> . <b>91</b> (2015) , 8; 105-109	0,221 (2014.)	DA
390.	Faraguna, Fabio; Siuc, Valentina; Vidović, Elvira; Jukić, Ante. Reactivity ratios and properties of copolymers of 2-ethoxyethyl methacrylate with dodecyl methacrylate or styrene. // <i>Journal of polymer research</i> . <b>22:Article 245</b> (2015) ; 1-11	1,920 (2014.)	NE
391.	Faraguna, Fabio; Vidović, Elvira; Jukić, Ante. Reactivity ratios and copolymer properties of 2-(diisopropylamino)ethyl methacrylate with methyl methacrylate and styrene. // <i>Polymer international</i> . <b>64</b> (2015) ; 1497-1504	2,409 (2014.)	NE
392.	Foglar, Lucija; Papić, Sanja; Margeta, Dunja; Sertić-Bionda, Katica. The use of different reactor systems for biological treatment of petroleum refinery wastewaters. // <i>Fresenius Environmental Bulletin</i> . <b>24</b> (2015) , 11 a; 3695-3702	0,378 (2014.)	NE
393.	Govorčin Bajsić, Emi; Ocelić Bulatović, Vesna; Rek, Vesna. The influence of filler treatment on the properties of TPU/PP blends: I .Thermal properties and stability. // <i>Polymer engineering and science</i> . <b>55</b> (2015) , 8; 1920-1930	1,520 (2014.)	NE
394.	Gusić, Ivica; Tadić, Petra. Injectivity of the specialization homomorphism of elliptic curves. // <i>Journal of number theory</i> . <b>148</b> (2015) ; 137-152	0,593 (2014.)	DA
395.	Hrkovac, Martina; Prlić Kardum, Jasna; Ukrainczyk, Neven. Influence of NaCl on granulometric characteristics and polymorphism in batch-cooling crystallization of Glycine. // <i>Chemical engineering &amp; technology</i> . <b>38</b> (2015) , 1; 139-146	2,442 (2014.)	NE
396.	Ivušić, Franjo; Lahodny-Šarc, Olga; Otmačić Ćurković, Helena; Alar, Vesna. Synergistic inhibition of carbon steel corrosion in seawater by cerium chloride and sodium gluconate. // <i>Corrosion science</i> . <b>98</b> (2015) ; 88-97	4,422 (2014.)	DA



397.	Juretić, Daria; Kušić, Hrvoje; Dionysiou, Dionysios D.; Rasulev, Bakhtiyor; Peternel, Igor; Lončarić Božić, Ana. Prediction of key structural features responsible for aromaticity of single-benzene ring pollutants and their photooxidative intermediates. // <i>Chemical engineering journal</i> . <b>276</b> (2015) ; 261-273	4,321 (2014.)	DA
398.	Jurinjak Tušek, Ana; Anić, Iva; Kurtanek, Želimir; Zelić, Bruno. Mass transfer coefficients of slug flow for organic solvent-aqueous system in a microreactor. // <i>Korean journal of chemical engineering</i> . <b>32</b> (2015) , 6; 1037-1045	1,166 (2014.)	DA
399.	Kassal, Petar; Kim, Jayoung; Kumar, Rajan; de Araujo, William Reis; Steinberg, Ivana; Steinberg, Matthew; Wang, Joseph. Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. // <i>Electrochemistry communications</i> . <b>56</b> (2015) ; 6-10	4,847 (2014.)	DA
400.	Katić, Jozefina; Metikoš-Huković, Mirjana; Milošev, Ingrid. Ionic and electronic conductivity of the anodic films on nickel. // <i>Journal of the electrochemical society</i> . <b>162</b> (2015) , 14; C767-C774	3,266 (2014.)	DA
401.	Katić, Jozefina; Metikoš-Huković, Mirjana; Peter, Robert; Petravić, Mladen. The electronic structure of the $\alpha$ -Ni(OH) <sub>2</sub> films: Influence on the production of the high- performance Ni-catalyst surface. // <i>Journal of power sources</i> . <b>282</b> (2015) ; 421-428	6,217 (2014.)	DA
402.	Košutić, Krešimir; Dolar, Davor; Strmecky, Tea. Treatment of landfill leachate by membrane processes of nanofiltration and reverse osmosis. // <i>Desalination and Water Treatment</i> . <b>55</b> (2015) , 10; 2680-2689	1,173 (2014.)	NE
403.	Kraguljac, Kornelije; Vidović, Elvira; Šoljić Jerbić, Ivana; Jukić, Ante. A chromatographic study of shear stability of poly(styrene-co-alkyl methacrylate) viscosity modifier for lubricating oils. // <i>Petroleum science and technology</i> . <b>33</b> (2015) ; 374-380	0,307 (2014.)	NE
404.	Kratofil Krehula, Ljerka; Hrnjak-Murgić, Zlata; Jelenčić, Jasenka. Study of masterbatch effect on miscibility and morphology in PET/HDPE blends. // <i>Journal of adhesion science and technology</i> . <b>29</b> (2015) , 2; 74-93	0,961 (2014.)	NE
405.	Kratofil Krehula, Ljerka; Katančić, Zvonimir; Marić, Gojko; Hrnjak-Murgić, Zlata. Study of fire retardancy, thermal and mechanical properties of HDPE-wood composites. // <i>Journal of wood chemistry and technology</i> . <b>35</b> (2015) , 6; 412-423	1,588 (2014.)	DA
406.	Krištafor, Svjetlana; Bistronić, Andrea; Plavec, Janez; Makuc, Damjan; Martinović, Tamara; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. One-pot click synthesis of 1, 2, 3-triazole- embedded unsaturated uracil derivatives and hybrids of 1, 5- and 2, 5-disubstituted tetrazoles and pyrimidines. // <i>Tetrahedron letters</i> . <b>56</b> (2015) ; 1222-1228	2,379 (2014.)	DA
407.	Le Cunff, Jérôme; Tomašić, Vesna; Wittine, Ozren. Photocatalytic degradation of the herbicide terbuthylazine: Preparation, characterization and photoactivity of the immobilized thin layer of TiO <sub>2</sub> /chitosan. // <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . <b>309</b> (2015) ; 22-29	2,495 (2014.)	DA
408.	Lopac, Vjera. Water jets from bottles, buckets, barrels, and vases with holes. // <i>The Physics Teacher</i> . <b>53</b> (2015) , 3 (March); 169-173	nema podataka	NE
409.	Mandić, Vilko; Kurajica, Stanislav. The influence of solvents on sol-gel derived calcium aluminate. // <i>Materials science in semiconductor processing</i> . <b>38</b> (2015) ; 306-313	1,955 (2014.)	NE

410.	Maračić, Silvija; Gazivoda Kraljević, Tatjana; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Verbanac, Donatella; Cetina, Mario; Raić-Malić Silvana. 1,2,3-Triazolepharmacophore-based benzofused nitrogen/sulfur heterocycles with potential anti- <i>Moraxella catarrhalis</i> activity. // <i>Bioorganic &amp; medicinal chemistry</i> . <b>23</b> (2015) ; 7448-7463	2,793 (2014.)	DA
411.	Margeta, Karmen; Stefanović, Štefica Cerjan; Kaucic, Verceslav; Logar, Natasa Zabukovec. The potential of clinoptilolite-rich tuffs from Croatia and Serbia for the reduction of toxic concentrations of cations and anions in aqueous solutions. // <i>Applied clay science</i> . <b>116</b> (2015) ; 111-119	2,467 (2014.)	DA
412.	Meščić, Andrijana; Harej, Anja; Klobučar, Marko; Glavač, Danijel; Cetina, Mario; Kraljević Pavelić, Sandra; Raić-Malić, Silvana. Discovery of new acid ceramidase-targeted acyclic 5-alkynyl and 5-heteroaryl uracil nucleosides. // <i>ACS Medicinal Chemistry Letters</i> . <b>6</b> (2015) , 11; 1150-1155	3,120 (2014.)	DA
413.	Miklečić, Josip; Lučić Blagojević, Sanja; Petrič, Marko; Jirouš-Rajković, Vlatka. Influence of TiO <sub>2</sub> and ZnO nanoparticles on properties of waterborne polyacrylate coating exposed to outdoor conditions. // <i>Progress in organic coatings</i> . <b>89</b> (2015) ; 67-74	2,358 (2014.)	DA
414.	Mutavdžić Pavlović, Dragana; Nikšić, Korana; Livazović, Sara; Brnardić, Ivan; Anžlovar, Alojz. Preparation and application of sulfaguanidine- imprinted polymer on solid-phase extraction of pharmaceuticals from water. // <i>Talanta</i> . <b>131</b> (2015) ; 99-107	3,545 (2014.)	DA
415.	Palaić, Nikolina; Sertić-Bionda, Katica; Margeta, Dunja; Podolski, Štefica. Oxidative desulphurization of diesel fuels. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 323-327	0,802 (2014.)	DA
416.	Panjičko, Mario; Zupančič, Gregor Drago; Zelić, Bruno. Anaerobic biodegradation of raw and pre-treated brewery spent grain utilizing solid state anaerobic digestion. // <i>Acta chimica Slovenica</i> . <b>62</b> (2015) , 4; 818-827	0,686 (2014.)	DA
417.	Pustak, Anđela; Denac, Matjaž; Leskovac, Mirela; Švab, Iztok; Musil, Vojko; Šmit, Ivan. Polypropylene/silica micro- and nanocomposites modified with poly(styrene-b-ethylene-co-butylene-b-styrene). // <i>Journal of applied polymer science</i> . <b>132</b> (2015) , 6; 41486-41498	1,768 (2014.)	DA
418.	Pustak, Anđela; Denac, Matjaž; Leskovac, Mirela; Švab, Iztok; Vojko, Musil; Ivan, Šmit. Morphology and mechanical properties of iPP/silica composites modified with (styrene-b-ethylene-co-butylene-b-styrene) grafted with maleic anhydride. // <i>Polymer-Plastics Technology and Engineering</i> . <b>54</b> (2015) , 6; 647-660	1,481 (2012.)	DA
419.	Raić-Malić, Silvana; Meščić, Andrijana. Recent trends in 1, 2, 3-triazolo-nucleosides as promising anti-infective and anticancer agents. // <i>Current medicinal chemistry</i> . <b>22</b> (2015) ; 1462-1499	3,853 (2014.)	NE
420.	Rastija, Vesna; Agić, Dejan; Tomić, Sanja; Nikolić, Sonja; Hranjec, Marijana; Karminski-Zamola, Grace; Abramić, Marija. Synthesis, QSAR, and molecular dynamics simulation of amidino-substituted nenzimidazoles as dipeptidyl peptidase III inhibitors. // <i>Acta Chimica Slovenica</i> . <b>62</b> (2015) , 4; 867-878	0,686 (2014.)	DA
421.	Rogina, Anamarija; Rico, Patricia; Gallego Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje. Effect of in situ formed hydroxyapatite on microstructure of freeze-gelled chitosan-based biocomposite scaffolds. // <i>European polymer journal</i> . <b>68</b> (2015) ; 278-287	3,005 (2014.)	DA
422.	Salihović, Mirsada; Osmanović, Amar; Špirtović-Halilović, Selma; Roca, Sunčica; Meščić, Andrijana; Vujisić, Ljubodrag; Trifunović, Snežana; Završnik, Davorka; Sofić, Emin Synthesis, structural, conformational and DFT studies of N-3 and O-4 alkylated regioisomers of 5-(hydroxypropyl)pyrimidine. // <i>Journal of molecular structure</i> . <b>1091</b> (2015) ; 170-176	1,602 (2014.)	DA

423.	Sović, Irena; Viskiđ, Marko; Bertoša, Branimir; Ester, Katja; Kralj, Marijeta; Hranjec, Marijana; Karminski-Zamola, Grace. Exploring antiproliferative activity of heteroaromatic amides and their fused derivatives using 3D-QSAR, synthesis and biological tests. // <i>Monatshefte für Chemie</i> . <b>146</b> (2015) , 9; 1503-1517	1,222 (2014.)	DA
424.	Steinberg, Matthew; Kassal, Petar; Kereković, Irena; Steinberg, Ivana. A wireless potentiostat for mobile chemical sensing and biosensing. // <i>Talanta</i> . <b>143</b> (2015) ; 178-183	3,545 (2014.)	DA
425.	Stipković Babić, Maja; Makuc, Damjan; Plavec, Janez; Martinović, Tamara; Kraljević Pavelić, Sandra; Pavelić, Krešimir; Snoeck, Robert; Andrei, Graciela; Schols, Dominique; Wittine, Karlo; Mintas, Mladen. Novel halogenated 3-deazapurine, 7-deazapurine and alkylated 9-deazapurine derivatives of L-ascorbic or imino-L-ascorbic acid: Synthesis, antitumour and antiviral activity evaluations. // <i>European journal of medicinal chemistry</i> . <b>102</b> (2015) ; 288-302	3,447 (2014.)	DA
426.	Sudar, Martina; Findrik, Zvezdana; Vasić-Rački, Đurđa; Soler, Anna; Clapes, Pere. A new concept for production of (3S, 4R)-6- [(benzyloxycarbonyl)amino]-5, 6-dideoxyhex-2-ulose, a precursor of D-fagomine. // <i>RSC Advances</i> . <b>5</b> (2015) ; 69819-69828	3,840 (2014.)	DA
427.	Šabić, Monika; Čižmek, Lara; Vuković Domanovac, Marija; Meštrović, Ernest. Biodegradation of erythromycin with environmental microorganism <i>Pseudomonas aeruginosa</i> 3011. // <i>Chemical and biochemical engineering quarterly</i> . <b>29</b> (2015) , 3; 367-373	0,802 (2014.)	NE
428.	Šagud, Ivana; Antol, Ivana; Marinić, Željko; Šindler-Kulyk, Marija. Photoinduced intramolecular formal [4 + 2] cycloaddition of aryl-substituted o-vinylstyryl-2-oxazoles to form benzo[f]quinoline derivatives: experimental results and theoretical interpretation. // <i>Journal of Organic Chemistry</i> . <b>80</b> (2015) ; 9535-9541	4,721 (2014.)	DA
429.	Šamec, Dunja; Gruz, Jiri; Durgo, Ksenija; Kremer, Dario; Kosalec, Ivan; Valek Žulj, Lidija; Martinez, Sanja; Salopek-Sondi, Branka; Piljac-Žegarac, Jasenka. Molecular and cellular approach in the study of antioxidant/prooxidant properties of <i>Micromeria croatica</i> (Pers.) Schott. // <i>Natural product research</i> . <b>29</b> (2015) , 18; 1770-1774	0,919 (2014.)	DA
430.	Šmidt, Marina; Kušić, Hrvoje Juretić, Daria; Novak Stankov, Mirjana; Ukić, Šime; Bolanča, Tomislav; Rogošić, Marko; Lončarić Božić, Ana. Modeling photooxidative degradation of aromatics in water ; optimization study using response surface and structural-relationship approaches. // <i>Industrial &amp; engineering chemistry research</i> . <b>54</b> (2015) , 20; 5427-5441	2,587 (2014.)	NE
431.	Štrkalj, Anita; Glavaš, Zoran; Matijašić, Gordana. Removal of Ni (II) and Cr (VI) ions from aqueous solution using by-product from the production of aluminium. // <i>Metalurgija</i> . <b>54</b> (2015) , 1; 31-34	0,959 (2014.)	DA
432.	Švarc, Anera; Valinger, Davor; Vasić-Rački, Đurđa; Vrsalović Presečki, Ana. Stereoselective synthesis of phenylpropane 1, 2- diols from (S)-2-hydroxypropiofenone by NADH- dependent oxidoreductases. // <i>Biochemical engineering journal</i> . <b>103</b> (2015) , 15; 250-255	2,467 (2014.)	DA
433.	Touabi, Noura; Martinez, Sanja; Bounoughaz, Moussa. Optimization of electrochemical copper recovery process: effect of the rotation speed in chloride medium of pH=3. // <i>International Journal of Electrochemical Science</i> . <b>10</b> (2015) ; 7227-7240	1,500 (2014.)	DA
434.	Ukić, Šime; Novak, Mirjana; Krilić, Anamarija; Avdalović, Nebojša; Liu, Yan; Buszewski, Bogusław; Bolanča, Tomislav. Development of gradient retention model in ion chromatography. Part III: Fuzzy logic QSRR approach. // <i>Chromatographia</i> . <b>78</b> (2015) ; 889-898	1,411 (2014.)	DA

435.	Ukrainczyk, Neven. Effect of polycarboxylate superplasticiser on properties of calcium aluminate cement mortar. // <i>Advances in cement research</i> . <b>27</b> (2015) , 7; 388-398	0,590 (2014.)	NE
436.	Valek Žulj, Lidija; Serdar, Marijana; Martinez, Sanja. Effect of tartrate on the electrochemical behaviour and semiconductive properties of passive film on steel in saturated calcium hydroxide. // <i>Materials and corrosion</i> . <b>66</b> (2015) , 11; 1344-1353	1,373 (2014.)	DA
437.	Veljović, Elma; Špirtović-Halilović, Selma; Muratović, Samija; Valek Žulj, Lidija; Roca, Sunčica; Trifunović, Snežana; Osmanović, Amar; Završnik, Davorka. 9-aryl substituted hydroxylated xanthen-3-ones: synthesis, structure and antioxidant potency evaluation. // <i>Croatica chemica acta</i> . <b>88</b> (2015) , 2; 121-127	0,728 (2014.)	DA
438.	Vranješ Penava, Nina; Rek, Vesna; Slouf, Miroslav; Jelčić, Želimir. Influence of ethylene-propylene-diene terpolymer addition on processing parameters, phase structure and thermal behaviour of polypropylene/low-density polyethylene blends. // <i>Journal of elastomer and plastics</i> . <b>47</b> (2015) , 6; 502-514	0,773 (2014.)	DA
439.	Vrsalović, Mislav; Vučur, Ksenija; Car, Boris; Krcmar, Tomislav; Vrsalović Presečki, Ana. C-reactive protein, renal function and cardiovascular outcome in patients with symptomatic peripheral artery disease and preserved left ventricular systolic function. // <i>Croatian medical journal</i> . <b>56</b> (2015) ; 351-356	1,305 (2014.)	DA
440.	Vrsalović, Mislav; Željковиć, Ivan; Vrsalović Presečki, Ana; Pintarić, Hrvoje; Krušlin Božo. C-reactive protein, not cardiac troponin T, improves risk prediction in hypertensives with type A aortic dissection. // <i>Blood pressure</i> . <b>24</b> (2015) ; 212-216	1,808 (2014.)	DA
441.	Vrsaljko, Domagoj; Macut, Dejan; Kovačević, Vera. Potential role of nanofillers as compatibilizers in immiscible PLA/LDPE blends. // <i>Journal of applied polymer science</i> . <b>132</b> (2015) , 6; 41414-1-41414-14	1,768 (2014.)	NE
442.	Zrnčić, Mirta; Babić, Sandra; Mutavdžić Pavlović, Dragana. Determination of thermodynamic pKa values of pharmaceuticals from five different groups using capillary electrophoresis. // <i>Journal of separation science</i> . <b>38</b> (2015) ; 1232-1239	2,737 (2014.)	NE

**Tablica 5.1.1.** Popis radova nastavnika u bazi podataka Scopus bez radova u bazi WoSCC u razdoblju 1.1.2011. – 31.12.2015. (za tablicu 5.5.)

R. br.	Referenca rada indeksiranog u bazi podataka Web of Science Core Collection (WoSCC)	Suradnja s drugim visokim učilištima i znanstvenim organizacijama
1.	Benci, Krešimir; Suhina, Tomislav; Mandić, Leo; Kraljević Pavelić, Sandra; Tomljenović Paravić, Andrea; Pavelić, Krešimir; Balzarini, Jan; Wittine, Karlo; Mintas, Mladen. Novel 1, 2, 4-triazole and purine acyclic cyclopropane nucleoside analogues : synthesis, antiviral and cytostatic activity evaluations. // <i>Antiviral Chemistry &amp; Chemotherapy</i> . <b>21</b> (2011) ; 221-230	DA
2.	Bolf, Nenad. Softverski senzori - alat suvremenog kemijskog inženjerstva. // <i>Kemija u industriji</i> . <b>60</b> (2011) , 4; 193-199	NE

3.	Budin, Rajka; Mihelić-Bogdanić, Alka. Reducing energy supply in the drying process. // <i>Energy engineering</i> . <b>108</b> (2011) , 2; 6-16	DA
4.	Gligora Udovič, Marija; Kralj Borojević, Koraljka; Žutinić, Petar; Sipos, Laszlo; Plenković- Moraj, Anđelka. Net-phytoplankton species dominance in a travertine riverine Lake Visovac, NP Krka. // <i>Natura Croatica : periodicum Musei historiae naturalis Croatici</i> . <b>20</b> (2011) , 2; 411-424	DA
5.	Ivanković, Marica. Nanomaterijali i nanoproizvodi - mogućnosti i rizici. // <i>Polimeri</i> . <b>32</b> (2011) , 1; 23-28	NE
6.	Jović, Franjo; Tomašić, Vesna. Heterogena fotokataliza: osnove i primjena za obradu onečišćenog zraka. // <i>Kemija u industriji</i> . <b>60</b> (2011) , 7-8; 387-403	NE
7.	Macan, Jelena; Tadanaga, Kiyoharu; Tatsumisago, Masahiro. Softening of octyl-modified phenylsilsesquioxanes. // <i>Polimeri</i> . <b>32</b> (2011) , 3-4; 112-118	DA
8.	Mlinarić-Majerski, Kata; Šekutor, Marina; Škorić, Irena. 70. Obilježnica prve sinteze adamantana. // <i>Kemija u industriji</i> . <b>60</b> (2011) , 12; 619-631	DA
9.	Movre Šapić, Iva; Volovšek, Vesna; Furić, Krešimir; Bistričić, Lahorija; Dananić, Vladimir. Raman analysis of polymerization of APST molecule. // <i>Macromolecular symposia</i> . <b>305</b> (2011) , 1; 122-125	DA
10.	Ukrainczyk, Neven; Dabić, Pero; Matusinović, Tomislav. Model procesa hidratacije aluminatnog cementa. // <i>Kemija u industriji</i> . <b>60</b> (2011) , 1; 1-10	DA
11.	Brnardić, Ivan; Matusinović, Zvonimir; Šipušić, Juraj; Macan, Jelena. Thermal properties of epoxy resin/layered double hydroxide intercalated nanocomposites. // <i>Polimeri</i> . <b>33</b> (2012) , 2; 52-57	NE
12.	Đokić, Maja; Bilandžić, Nina; Briški, Felicita. Postupci uklanjanja pesticida iz okoliša. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 7-8; 341-348	DA
13.	Findrik, Zvezdana; Smailbegović, Emina; Prkačin, Mirjana; Vasić-Rački, Đurđa. Izolacija i kinetička karakterizacija fumaraze iz pekarskog kvasca. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 5; 273-280	NE
14.	Peternel, Igor; Ptiček Siročić, Anita; Koprivanac, Natalija. Peroksidisulfatne soli kao novo fotooksidacijsko sredstvo za obradu obojenih otpadnih voda. // <i>Tekstil</i> . <b>61</b> (2012) , 1-6; 107-115	NE
15.	Tišma, Marina; Komar, Marij; Rajić, Marina; Pavlović, Hrvoje; Zelić, Bruno. Decolorization of dyes by <i>Aspergillus ochraceus</i> cultivated under solid state fermentation on sugar beet waste. // <i>Chemical engineering transactions</i> . <b>27</b> (2012) ; 145-150	DA

16.	Trinajstić, Nenad; Kaštelan-Macan, Marija; Paušek-Baždar, Snježana; Vančik, Hrvoje. Hrvatska kemija u XX. stoljeću.III. Razdoblje od uspostave Republike Hrvatske 25. lipnja 1991. do kraja stoljeća. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 11-12; 523-534	DA
17.	Vuković, Marija; Ćosić, Ivana; Kolačko, Kristijan; Briški; Felicita. Kinetika biorazgradnje organskih tvari u procjednoj vodi iz duhanskog otpada. // <i>Kemija u industriji</i> . <b>61</b> (2012) , 9-10; 417-425	NE
18.	Dražević, Emil; Košutić, Krešimir. Utjecaj hidrodinamičkih uvjeta u membranskom uređaju na separacijsku učinkovitost reverzno osmotskih i nanofiltracijskih membrana. // <i>Hrvatske vode</i> . <b>85</b> (2013) ; 205-214	NE
19.	Katić, Jozefina; Metikoš-Huković, Mirjana; Babić, Ranko. Nitinol Modified by Calcium Phosphate Coatings Prepared by Sol-Gel and Electrodeposition Methods. // <i>ECS Transactions</i> . <b>53</b> (2013) ; 83-93	NE
20.	Mijović, Budimir; Agić, Ante. Bio-inspired electrospun fibre structures - numerical model. // <i>Journal of fiber bioengineering and informatics</i> . <b>6</b> (2013) , 1; 23-32	DA
21.	Rađenović, Ankica; Malina, Jadranka, Matijašić Gordana. The change in surface area properties of blast furnace sludge treated by citric acid. // <i>Engineering review</i> . <b>33</b> (2013) , 1; 15-21	DA
22.	Rađenović, Ankica; Malina, Jadranka; Matijašić, Gordana; Slokar, Ljerka; Kratofil Krehula, Ljerka. Površinska svojstva čađe obrađene anorganskim kiselinama. // <i>Polimeri</i> . <b>34</b> (2013) , 1; 4-8	DA
23.	Rakić, Anita; Foglar, Lucija. The difference of water quality in permanently vs. seasonally used water supply systems. // <i>WSEAS Transactions on environment and development</i> . <b>9</b> (2013) , 3; 161-170	DA
24.	Ukrainczyk, Neven; Koenders, Eduard; van Breugel, Klaas. Numerical algorithm for pore size distribution characterization of materials from 3D images. // <i>Advanced materials research</i> . <b>699</b> (2013) ; 584-589	DA
25.	Ukrainczyk, Neven; Koenders, Eduard; van Breugel, Klaas. Numerical estimation of transport properties of cementitious materials using 3D digital images. // <i>The European Physical Journal (EPJ) Web of Conferences</i> . <b>56</b> (2013) , 01007; 1-8	DA
26.	Vojnović, Branka; Margeta, Karmen; Šiljeg, Mario; Cerjan-Stefanović, Štefica; Ljerka, Bokić. Primjena prirodnih zeolita u zaštiti okoliša. // <i>Sigurnost : časopis za sigurnost u radnoj i životnoj okolini</i> . <b>55</b> (2013) ; 209-218	DA
27.	Govorčin Bajsić, Emi; Filipan, Veljko; Očelić Bulatović, Vesna. Effect of silane treated and untreated talc on the properties of thermoplastic Polyurethane/Polypropilene blends. // <i>Advanced materials research</i> . <b>849</b> (2014) ; 121-126	NE
28.	Herner, Željko; Bažok, Renata; Briški, Felicita. Biodegradation of imidacloprid in an open compost pile. // <i>Journal of food agriculture &amp; environment</i> . <b>12</b> (2014) , 3/4; 198-202	DA

29.	Kurajica, Slanislav; Lozić, Iva; Pantaler, Martina. Thermal decomposition of calcium(II) bis(acetylacetonate) n-hydrate. // <i>Polimeri: časopis za plastiku i gumu</i> . <b>35</b> (2014) , 1-2; 4-9	NE
30.	Movre Šapić, Iva; Bistričić, Lahorija; Volovšek Vesna; Dananić, Vladimir. Vibrational analysis of 3-Glycidoxypropyltrimethoxysilane polymer. // <i>Macromolecular symposia</i> . <b>339</b> (2014) , 1; 122-129	DA
31.	Ocelić Bulatović, Vesna; Govorčin Bajsić, Emi; Filipan, Veljko. Compatibilization of Thermoplastic polyurethane and polypropylene with a SEBS compatibilizer. // <i>Advanced materials research</i> . <b>1025-1026</b> (2014) ; 605-614	NE
32.	Wittine, Ozren; Maduna Valkaj, Karolina, Zrnčević, Stanka. Obrada fenolne otpadne vode katalitičkim oksidacijskim procesima. // <i>Hrvatske vode</i> . <b>22</b> (2014) , 90; 287-296	NE
33.	Faraguna, Fabio; Jukić, Ante. Novi petrokemijski procesi na temelju izravne pretvorbe metana. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 1-2; 27-37	NE
34.	Grčić, Ivana; Vrsaljko, Domagoj; Katančić, Zvonimir; Papić, Sanja Purification of household greywater loaded with hair colorants by solar photocatalysis using TiO <sub>2</sub> -coated textile fibers coupled flocculation with chitosan. // <i>Journal of water process engineering</i> . <b>5</b> (2015) ; 15-27	NE
35.	Janović, Zvonimir; Veksli, Zorica. Šezdesetgodišnjica Ziegler-Natta katalizatora i stereospecifičnih polimerizacija. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 7-8; 363-379	DA
36.	Maduna Valkaj, Karolina; Kaselj, Ivona; Smolković, Josipa; Zrnčević, Stanka; Kumar, Narendra; Murzin, Dmitry Yu Catalytic wet peroxide oxidation of olive oil mill wastewater over zeolite based catalyst. // <i>Chemical engineering transactions</i> . <b>43</b> (2015) ; 853-858	DA
37.	Maduna Valkaj, Karolina; Witinne, Ozren; Katović, Andrea. Katalitička oksidacija fenola uz zeolitni Cu/Y-5 katalizator: 1. priprema i karakterizacija katalizatora. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 1-2; 1-10	DA
38.	Maduna Valkaj, Karolina; Mandić, Vilko; Katović, Andrea. Katalitička oksidacija fenola uz zeolitni Cu/Y- 5 katalizator: 2. utjecaj postsintetske termičke i kemijske obrade. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 3-4; 109-116	DA
39.	Šabić, Monika; Vuković Domanovac, Marija; Findrik Blažević, Zvezdana; Meštović, Ernest. Kinetika bioremedijacije farmaceutske industrijske otpadne vode. // <i>Kemija u industriji : časopis kemičara i tehnologa Hrvatske</i> . <b>64</b> (2015) , 5-6; 229-236	DA
40.	Ukrainczyk, Neven; Zlopaša, Jure; Eduard, Koenders. Hydration process of portland cement blended with silica fume. // <i>Advanced materials research</i> . <b>699</b> (2013) ; 578-583	DA

**Tablica 6.1.** Mobilnost nastavnika i suradnika za akademsku 2014./2015.

	Broj boravaka nastavnika i suradnika ovog visokog učilišta u inozemstvu			Broj boravaka inozemnih nastavnika na ovom visokom učilištu		
	1 – 3 mjeseca	3 – 6 mjeseci	6 i više mjeseci	1 – 3 mjeseca	3 – 6 mjeseci	6 i više mjeseci
Znanstveni	4		1	3		
Nastavni	0	0	0	0	0	0
Stručni	0	0	0	0	0	0

Podaci iz Baze međunarodne suradnje Sveučilišta u Zagrebu za akad. god. 2011./2012. – 2013./2014. te iz materijala za sjednice Fakultetskog vijeća u navedenom razdoblju.

**Tablica 6.2.** Mobilnost studenata za akademsku 2014./2015.

	Broj studenata u međunarodnoj razmjeni		
	1 – 3 mjeseca	3 – 6 mjeseci	6 i više mjeseci
Studenti ovoga visokog učilišta	4	4	0
Strani studenti	2	6	1

Podaci iz Baze međunarodne suradnje Sveučilišta u Zagrebu za akad. god. 2011./2012. – 2013./2014. Nisu uključene studentske prakse preko IAESTE.

**Tablica 6.3.** Mobilnost nenastavnog osoblja za akademsku 2014./2015.

Broj stručnih boravaka nenastavnog osoblja ovog visokog učilišta u inozemstvu		
1 – 3 mjeseca	3 – 6 mjeseci	6 i više mjeseci
0	0	0



**Tablica 7.1.** Zgrade u kojima djeluje Fakultet (nisu u njegovu vlasništvu)

Identifikacija zgrade	Lokacija zgrade	Godina izgradnje	Godina dogradnje ili rekonstrukcije	Ukupna površina prostora za obavljanje djelatnosti visokog obrazovanja (m <sup>2</sup> )	Ukupna površina prostora za obavljanje znanstvenih istraživanja (m <sup>2</sup> )	
					Laboratorij	Knjižnica
Fakultet kemijskog inženjerstva i tehnologije, Marulićev trg 19	Marulićev trg 19	1918.		2.451,17	614,79	
Fakultet kemijskog inženjerstva i tehnologije, Marulićev trg 20	Marulićev trg 20	1918.		4.441,50	1.416,88	204,01
Fakultet kemijskog inženjerstva i tehnologije, Savska cesta 16	Savska cesta 16	1910.		2.803,31	571,99	
Fakultet kemijskog inženjerstva i tehnologije, Savska cesta 16/dvorište	Savska cesta 16/5A, dvorište	1950.	1980.	197,10	91,28	

**Tablica 7.2.** Predavaonice i računalne učionice

Identifikacija zgrade	Redni broj ili oznaka predavaonice	Površina (m <sup>2</sup> )	Broj sjedećih mjesta za studente	Broj sati korištenja u tjednu	Ocjena opremljenosti (1 - 5)
Marulićev trg 19/podrum	MKM 19/3001	70,48	45	Zim. sem. 33 Ljet. sem. 38	4
Marulićev trg 19/podrum	P1KM 19/3008	37,32	24	Zim. sem. 30 Ljet. sem. 38	5
Marulićev trg 19/podrum	P2KM 19/3007	19,20	12	Zim. sem. 30 Ljet. sem. 38	5
Marulićev trg 19/prizemlje	MKV 19/3002	192,20	150	Zim. sem. 40 Ljet. sem. 40	5
Marulićev trg 20/podrum	P1KV-20/3116 i 3117	131,90	30	Zim. sem. 40 Ljet. sem. 40	5
Marulićev trg 20/podrum	1514	34,98	24	Zim. sem. 20 Ljet. sem. 20	4
Marulićev trg 20/prizemlje	MKV 20/3102	82,00	120	Zim. sem. 37 Ljet. sem. 40	4
Marulićev trg 20/I	MKM 20/3101	61,57	40	Zim. sem. 37 Ljet. sem. 26	4
Savska 16/podrum	S-P/3201	41,13	32	Zim. sem. 37 Ljet. sem. 41	3
Savska 16/podrum	S-P2/3210	23,48	6	Zim. sem.35 Ljet. sem. 40	3
Savska 16/prizemlje	S-0/3214	36,77	24	Zim.sem. 36 Ljet. sem. 26	5
Savska 16/I	S-1/3204	70,69	80	Zim. sem. 45 Ljet. sem. 51	4
<b>Ukupno</b>		<b>669,82</b>	<b>581</b>		
<b>Računalne učionice</b>					
Marulićev trg 20/III	UR/3112	55,51	6	Zim. sem. 40 Ljet. sem. 40	3
Savska 16/prizemlje	UR/3202	62,09	24	Zim. sem. 47 Ljet. sem. 40	5
<b>Ukupno</b>		<b>117,6</b>	<b>44</b>		

**Tablica 7.3.** Laboratoriji/praktikumi koji se koriste u nastavi

Identifikacija zgrade	Interna oznaka prostorije (laboratorija/praktikuma)	Površina (m <sup>2</sup> )	Broj radnih mjesta za studente	Broj sati korištenja u tjednu	Ocjena opremljenosti (1 - 5)
Marulićev trg 19/podrum	Laboratorij studentski III (2304)	51,73	12	34	5
Marulićev trg 19/podrum	Prostorija za pripremu/sterilizaciju (2305)	15,31			5
Marulićev trg 19/prizemlje	Laboratorij studentski (1109)	96,53	32	30	3
Marulićev trg 20/podrum	Laboratorij studentski III (1320)	160,57	24	20	3
Marulićev trg 20/podrum	Laboratorij IV (1616)	37,09	6	14	2
Marulićev trg 20/podrum	Laboratorij II (1509)	74,41	24	20	3
Marulićev trg 20/prizemlje	Laboratorij I (1210)	164,84	48	40	2
Marulićev trg 20/prizemlje	Laboratorij II (1209)	164,85	32	20	2
Marulićev trg 20/prizemlje	Laboratorij za instrumentalnu i procesnu analizu (1202)	78,91	10	30	3
Marulićev trg 20/prizemlje	Laboratorij za kemijsku analizu okoliša (1205)	53,12	5	50	4
Marulićev trg 20/prizemlje	Laboratorij I (1306)	56,30	8	40	4
Marulićev trg	Laboratorij znanstveno istraživački III	33,30	6	32	4

Identifikacija zgrade	Interna oznaka prostorije (laboratorija/praktikuma)	Površina (m <sup>2</sup> )	Broj radnih mjesta za studente	Broj sati korištenja u tjednu	Ocjena opremljenosti (1 - 5)
20/I	(1605)				
Marulićev trg 20/I	Laboratorij kemijski II (1604)	47,50	10	32	4
Marulićev trg 20/I	Laboratorij za strukturnu karakterizaciju materijala I (1602)	24,57	6	175	4
Marulićev trg 20/I	Laboratorij reverzna osmoza (1404)	34,04	2	24	4
Marulićev trg 20/I	Laboratorij polimeri I (1402)	34,13	6	26	3
Marulićev trg 20/I	Laboratorij I (1502)	96,12	24	28	3
Marulićev trg 20/III	Laboratorij II (1314)	84,90	12	40	4
Marulićev trg 20/III	Laboratorij fizikalno kemijski III (1409)	115,27	24	20	3
Marulićev trg 20/III	Laboratorij za koroziju (1413)	66,79	12	8	2
Marulićev trg 20/III	Laboratorij II (1314)	84,90	12	40	4
Savska cesta 16/podrum	Laboratorij za karakterizaciju naftnih proizvoda III (2010)	26,26	8	30	1
Savska cesta 16/podrum	Laboratorij II (1706)	72,83	10	10	4
Savska cesta 16/podrum	Laboratorij V (1717)	18,00	16	10	4
Savska cesta 16/podrum	Laboratorij IV1709	18,07	6	10	3
Savska cesta 16/prizemlje	Laboratorij I (1702)	38,70	10	20	4
Savska cesta 16/prizemlje	Laboratorij VI1718	20,00	6	10	3
Savska cesta 16/prizemlje	laboratorij I (1702)	38,70	10	20	4
Savska cesta 16/prizemlje	Laboratorij (3501)	7,61	2	20	2
Savska cesta 16/I	Laboratorij I (1802)	24,50	2	40	4
Savska cesta 16/I	Laboratorij za poluvodiče II (1807)	19,55	2	20	5
Savska cesta 16/I	Laboratorij elektrokemije III (1819)	52,20	15	40	3
Savska cesta 16/I	Laboratorij inženjerstva IV (1821)	52,85	15	40	4
Savska cesta 16/II	Laboratorij za polimere i polimerizacijske procese I(1909)	51,09	18	20	2
Savska cesta 16/II	Laboratorij za bojila i premaze II (1911)	49,46	15	20	3
Savska cesta 16/II	Laboratorij za ekoinženjerstvo III (1916)	17,27	5	40	4
Savska cesta 16/II	Laboratorij za petrokemijsko inženjerstvo I (2008)	22,86	5	40	3
Savska cesta 16/III	Laboratorij za sonooksidacijske procese VII (1930)	12,40	2	20	4
Savska cesta 16/III	Laboratorij FTIR-TGA IV (1928)	12,03	2	40	4
Savska cesta 16/III	Laboratorij fizikalni za polimerne materijale VI (1923)	11,54	2	25	5
Savska cesta 16/III	Laboratorij fizikalni za polimerne materijale V (1922)	10,54	2	25	5
Savska cesta 16/III	Laboratorij za naftno procesno inženjerstvo II (2009)	34,21	5	40	3
Savska 16/III	Laboratorij za adheziju i adhezive I (2406)	12,60	6	25	5
Savska cesta 16/5A	Laboratorij II (2107)	34,48	4	4	4
Savska cesta 16/5A	Laboratorij studentski I (2101)	56,80	12	10	4
<b>Ukupno</b>		<b>2289,73</b>			

**Tablica 7.4.** Nastavne baze (radilišta) za praktičnu nastavu

Identifikacija zgrade	Naziv nastavne baze (radilišta)	Broj studenata koji pohađaju pojedinu nastavnu bazu	Broj sati nastave (tjedno) koja se održava u pojedinoj nastavnoj bazi
-	0	0	0

Napomena: Fakultet ne raspolaže s nastavnim bazama (radilištima) za praktičnu nastavu.

**Tablica 7.5.** Opremljenost računalnih učionica

Identifikacija zgrade	Broj novih računala (do 3 godine)	Broj računala starijih od 3 godine	Ocjena funkcionalnosti (1 - 5)	Ocjena održavanja (1 - 5)	Ocjena mogućnosti korištenja izvan nastave
Savska 16/prizemlje	25	0	5	5	2
Marulićev trg 20/III	0	6	3	5	5

**Tablica 7.6.** Nastavnički kabineti

Identifikacija zgrade	Broj nastavničkih kabineta	Prosječna površina (m <sup>2</sup> )	Ocjena opremljenosti (1 - 5)	Prosječna površina (m <sup>2</sup> ) po stalno zaposlenom nastavniku/suradniku
Marulićev trg 19/podrum	7	18,56	3	14,43
Marulićev trg 20/prizemlje	17	16,79	4	11,89
Marulićev trg 20/I	14	15,26	4	12,56
Marulićev trg 20/III	10	13,95	3	11,63
Savska cesta 16/podrum	1	25,29	4	12,65
Savska cesta 16/prizemlje	13	14,75	4	11,28
Savska cesta 16/I	9	15,39	3	15,39
Savska cesta 16/II	13	17,24	3	14,94
Savska cesta 16/III	10	14,71	5	13,37
Savska cesta 16/5A	3	14,86	4	14,86
<b>Ukupno</b>	<b>97</b>	<b>15,56</b>	<b>4</b>	<b>13,05</b>

**Tablica 7.7.** Prostor koji se koristi samo za znanstveno-istraživački rad

Identifikacija zgrade	Interna oznaka prostorije ili oznaka laboratorija	Površina (m <sup>2</sup> )	Broj sati korištenja u tjednu	Ocjena opremljenosti (1 - 5)
Marulićev trg 19/podrum	Laboratorij mikrobiološki I (2302)	14,19	40	4
Marulićev trg 19/podrum	Laboratorij za vode II (2303)	18,62	25	3
Marulićev trg 19/podrum	Laboratorij za kompostiranje IV (2308)	17,82	20	5
Marulićev trg 19/podrum	Laboratorij za spektrometriju masa (1120)	21,34	40	5
Marulićev trg 20/podrum	Laboratorij 3 (1512)	20,85	10	4
Marulićev trg 19/prizemlje	Istraživački laboratorij (1105)	52,56	40	3
Marulićev trg 20/III	Laboratorij instrumentalni II (1315)	11,75	40	3
Marulićev trg 20/III	Laboratorij instrumentalni III (1316)	16,95	40	3
<b>Ukupno</b>		<b>174,11</b>		

**Tablica 7.8.** Prostor koji se koristi samo za stručni rad

Identifikacija zgrade	Interna oznaka prostorije ili oznaka laboratorija	Površina (m <sup>2</sup> )	Broj sati korištenja u tjednu	Ocjena opremljenosti (1 - 5)
Marulićev trg 19/podrum	laboratorij III (1115)	54,29	40	3
Marulićev trg 19/podrum	laboratorij II (1116)	18,58	40	2
Marulićev trg 19/podrum	laboratorij I (1117)	36,28	40	2
Ukupno		<b>109,15</b>		

**Tablica 7.9.** Kapitalna oprema

Naziv instrumenta (opreme)	Nabavna vrijednost (kn)	Godine starosti
Induktivno spregnuta plazma maseni spektrometar (ICP-MS)	1.445.936,00	11
Infracrveni spektrofotometar s Fourierovom transformacijom signala povezan na toplinske metode za simultanu plinsku analizu - FTIR-TG-DSC/DTA-EGA analiza	973.752,00	6
Rendgenski difraktometar	600.000,00	2
Uređaj za plinsku adsorpcijsko - desorpcijsku analizu (Micromeritics, ASAP 2000)	242.552,00	25
Laserski difraktometar za određivanje raspodjele veličina čestica (Shimadzu, SALD-3101)	490.000,00	4
Sušionik s raspršivanjem (Büchi, B-290)	250.000,00	6
Tekućinski kromatograf visoke djelotvornosti (HPLC)	812.238,00	3
Ionski kromatograf	407.566,00	6
Tekućinski kromatograf visoke djelotvornosti sa spektrometrom masa (HPLC-MS/MS)	1.000.000,00	5
Tekućinski kromatograf visoke djelotvornosti / analitičko-preparativni sustav (HPLC)	309.208,00	8
Plinski kromatograf sa spektrometrom masa (GC/MS)	540.292,00	11
Elektronski mikroskop (Tescan SEM)	1.000.000,00	2
Plinski kromatograf (GC)	209.321,00	2
Uređaj za elektrokemijska mjerenja - PAR	405.305,51	24
Uređaj za elektrokemijska mjerenja - Solartron	254.345,00	10
Uređaj za elektrokemijsku impedancijsku spektroskopiju	228.400,35	11
Valno disperzivni rendgenski spektrometar	496.540,00	7
Tekućinski kromatograf isključenjem po veličini (SEC)	280.196,00	11
Infracrveni spektrofotometar s Fourierovom transformacijom signala (FTIR)	254.269,00	6
Analizator sadržaja organskih halogenida	311.958,00	11
Dinamičko-mehanički analizator (DMA)	288.765,00	13
Termogravimetar	270.000,00	5
Diferencijalni pretražni kalorimetar (DSC)	210.100,00	8
Diferencijalni pretražni kalorimetar (DSC)	210.100,00	7
Goniometar	241.540,00	10
Sustav za termografsku dijagnostiku	449.963,00	11

**Tablica 7.10. Opremljenost knjižnice**

Ukupna površina (m <sup>2</sup> )		Broj zaposlenih	Broj sjedećih mjesta	Broj studenata koji koriste knjižnicu		Postoji li računalna baza podataka vaših knjiga i časopisa	
196*		1	14	Većina		Da	
Broj naslova knjiga	Broj udžbenika	Ocjena suvremenosti knjiga i udžbenika (1 - 5)	Broj naslova inozemnih časopisa	Broj naslova domaćih časopisa	Ocjena funkcionalnosti kataloga knjiga i časopisa	Ocjena opremljenosti (1 - 5)*	Ocjena kvalitete i dostupnosti elektroničkih sadržaja (1 - 5)**
18979	170 naslova, 624 primjerka**	4	3 u 2015. 383 ukupno**	4 u 2015. 50 ukupno**	5	5	4

\*službeni podatak iz tlocrta (prosinac 2012.)

\*\* Mogućnosti kopiranja za nastavnike i studente, nabava kopija iz drugih knjižnica, katalogi radova nastavnika itd.

\*\*\* Pod elektroničkim se sadržajima podrazumijevaju elektronička izdanja knjiga, časopisa, baze podataka, ali i katalogi vlastite i vanjskih knjižnica.

Tablica 7.11. Financijska evaluacija

	PRIHODI	2013. kalendarska godina (kn)	2014. kalendarska godina (kn)	2015. kalendarska godina (kn)
1.	PRIHODI IZ DRŽAVNOG PRORAČUNA (AOP 129 PR-RAS)	34.545.801	30.691.803	30.122.847
1.1.	Plaće za zaposlene bruto II	29.510.014	27.041.448	24.974.275
1.2.	Troškovi poslovanja (uključivo i terenska nastava)	1.501.348	1.130.523	649.993
1.3.	Vanjska suradnja u nastavi	0	38.940	95.485
1.4.	Domaći znanstveni projekti	2.074.469	1.196.167	619.041
1.5.	Međunarodni znanstveni projekti – novi Pravilnik – veza točka 3.2	586.938	0	0
1.6.	Međunarodna suradnja	10.967	12.058	10.700
1.7.	Organizacija znanstvenih skupova	35.940	0	0
1.8.	Nabava časopisa	0	0	0
1.9.	Tekuće održavanje	0	0	0
1.10.	Izgradnja i investicijsko održavanje	0	0	200.000
1.11.	Oprema	0	0	0
1.12.	Ukupno ostale vrste prihoda (naknade prijevoza, oprema doktorata, sistematski pregled, povrati potpora, jubilarne nagrade, programi studenata)	826.125	1.172.667	3.573.353
		0		
2.	PRIHODI IZ PRORAČUNA OSTALIH JAVNIH IZVORA	0	0	0
2.1.	Prihodi i pomoći od jedinica lokalne uprave i samouprave (grad, županija itd.)	0	0	0
2.2.	Prihodi i pomoći ostalih subjekata (veza toč. 4.3.HRZZ)	0	0	0
2.3.	Ukupno ostale vrste (specificirati)	0	0	0
3.	Prihodi po skupini 64, 63 i 72	661807	275.938	1.340.810
3.1.	PRIHODI OD KAMATA (AOP 074 PR-RAS, skupina 64)	30.141	18.692	11.226
3.2.	Prihodi od bilateralnih i EU projekata (AOP 049 +051, skupina 63)	608.295	244.253	1.297.668
3.3.	Prihod od otplate stanova (AOP 296, skupina 72)	23.371	12.993	31.916
4.	PRIHODI OD VLASTITE DJELATNOSTI (AOP 121 PR-RAS) – 6614 +6615	3.729.517	4.146.363	3.579.574
4.1.	Školarine – poslijediplomske specijalističke	228.800	412.076	105.600
4.2.	Školarine – poslijediplomske doktorske	873.705	132.233	199.000
4.3.	Znanstveni projekti – izvan općeg proračuna -HRZZ	0	1.317.349	1.843.875
4.4.	Stručni projekti – sufinanciranje projekata	97.299	44.349	77.335
4.5.	Prihodi od najma	0	0	18.464
4.5.1.	Ukupno ostale vrste prihoda (radionice i ostali vlastiti prihodi)	1.145.389	1.282.801	186.947
4.5.2.	Prihod od skriptarnice	6.304	6.911	6.080
4.5.3.	Prihod od kotizacija	373.544	167.979	166.909
4.9.	Prihod od suradnje	1.004.476	782.665	981.187
5.	PRIHODI PO POSEBNIM PROPISIMA (AOP 102, skupina 65)	3.335.575	3.795.115	3.679.713
5.1.	Školarine – preddiplomske, diplomatske, stručne	1.427.109	2.173.596	1.947.166
5.2.	Ostala namjenska sredstva po odjeljku 6526	0	47.589	18.853
5.3.	Naknade za upis	96.100	101.400	114.860
5.4.	Izdavačka djelatnost	0	0	0
5.5.	Naplate studenskih molbi, potvrđnica, diplome, indeksi itd.	20.720	116.640	119.650
5.6.	Ukupno ostale vrste prihoda (prihod za realizaciju ciljeva i ostali namjenski prihodi)	287.355	87.120	85.174
5.7.	Participacija školarine Sveučilište	1.504.291	1.268.770	1.402.010
6.	OSTALI (NESPOMENUTI) PRIHODI (donacije)	29.877	32.548	34.324
	Donacije (AOP 124 PR-RAS, podskupina 663)	29.877	32.548	34.324
A	UKUPNO PRIHODI POSLOVANJA (AOP 631PR-RAS)	42.302.577	38.941.767	38.757.268

	RASHODI	2013. kalendarska godina (kn)	2014. kalendarska godina (kn)	2015. kalendarska godina (kn)
1.	RASHODI ZA ZAPOSLENE (skupina 31) AOP 148	30.291.232	27.923.212	26.999.722
1.1.	Plaće za zaposlene (AOP 149 PR-RAS, podskupina 311)	26.188.277	23.804.316	22.719.235
1.2.	Vanjska suradnja u nastavi (dio točke 3.6.)	289.297	200.542	226.806
1.3.	Ukupno ostalo (doprinosi na plaće, oporezive potpore, otpremnine)	3.813.658	3.915.436	3.883.456
1.3.1.	Materijalni rashodi (skupina 32)	10.598.514	9.859.108	7.859.821
1.3.2.	Financijski rashodi (skupina 34)	88.110	78.660	40.602
1.3.3.	Naknade i ostali rashodi (skupina 37 i 38) AOP 239 i 248	72.248	110.558	45.200
2.	RASHODI ZA MATERIJAL I ENERGIJU (podskupina 322)	2.368.015	2.515.252	2.272.983
2.1.	Uredski materijal i ostali materijalni rashodi	217.763	275.416	337.394
2.2.	Laboratorijski materijal (kemikalije, kolone i potrošni materijal)	554.862	790.391	573.845
2.3.	Energija	1.159.877	871.906	998.967
2.4.	Materijal i dijelovi za tekuće i investicijsko održavanje	125.399	182.998	92.057
2.5.	Sitni inventar	298.127	364.314	239.411
2.6.	Ukupno ostalo (račun 3227 radna i zaštitna odjeća)	11.897	30.227	31.309
3.	RASHODI ZA USLUGE (podskupina 323)	4.091.355	3.196.240	3.248.483
3.1.	Telefon, pošta, prijevoz AOP 175	151.017	96.533	105.048
3.2.	Usluge tekućeg i investicijskog održavanja AOP 176	1.176.296	701.309	872.307
3.3.	Promidžba i informiranje AOP 177	107.458	152.544	85.922
3.4.	Komunalne usluge AOP 178	513.220	437.469	468.737
3.5.	Zakup, najam AOP 179	70.503	79.015	119.802
3.6.	Intelektualne i osobne usluge (ugovori o djelu, honorari, pravne i ostale usluge) - (rn 3237 AOP 166) minus točka 1.2.	1.675.803	1.120.463	1.058.582
3.7.	Računalne usluge	170.208	169.209	213.635
3.8.	Ukupno ostalo (zdravstvene i ostale usluge rn 3236 i 3239) AOP 180+183	226.824	239.156	197.644
4.	RASHODI ZA NEFINANCIJSKU IMOVINU (skupina 42 i 45)	2.487.735	1.834.306	1.412.739
4.1.	Poslovni objekti	0	0	0
4.2.	Računalna oprema - rn 42211	245.221	287.580	181.763
4.3.	Laboratorijska oprema AOP 357	2.026.347	1.276.899	997.162
4.4.	Uredska oprema - rn 42219	112.407	19.341	94.481
4.5.	Komunikacijska oprema	0	0	0
4.6.	Ostala oprema	0	0	0
4.7.	Literatura	77.821	85.059	48.501
4.8.	Ulaganja u postrojenja, strojeve i ostalu opremu	0	0	0
4.9.	Dodatna ulaganja na građevinskim objektima (skupina 45)	0	25.000	0
4.10.	Ukupno ostalo (ulaganja u računalne programe)-rn 426	25.939	44.941	90.832
5.	NAKNADE TROŠKOVA ZAPOSLENIMA (AOP 154 i 161, podskupina 312 i 321 PR-RAS)	1.856.137	1.919.265	1.886.989
5.1.	Službena putovanja AOP 162	464.177	675.589	452.047
5.2.	Stručna usavršavanja AOP 164	214.044	276.243	150.901
5.3.	Ukupno ostalo uključujući i troškove prijevoza (3212 + 3214)	1.177.916	763.973	887.009
6.	OSTALI NESPOMENUTI RASHODI POSLOVANJA (AOP 186 PR-RAS, podskupina 329 - (6.1 do 6.3.))	2.246.320	2.257.995	599.790
6.1.	Premije osiguranja AOP 188	60.254	61.847	72.631
6.2.	Reprezentacija AOP 189	130.635	72.263	82.564
6.3.	Članarine, pristojbe i naknade i ostali (rn 3295 i 3299)	47.553	2.085.832	416.599
6.4.	Bankarske i usluge platnog prometa -rn 3431	24.909	31.355	24.395
6.5.	Kamate	3.266	327	3
6.6.	Ostali financijski izdaci (negativne tečajne razlike i ostali - AOP 210 + 212)	59.935	46.978	16.204
6.7.	Naknade troškova osobama izvan radnog odnosa (AOP 185 PR-RAS, rn 324)	166.462	173.816	148.608
B	UKUPNO RASHODI POSLOVANJA (AOP 632 PR-RAS)	43.537.839	39.805.844	36.358.084
	Manjak 31. 12. 2013. (AOP 633 višak/ 634 manjak)	-1.235.262	-864.077	+2.399.184
C	Preneseno stanje iz prethodne godine (AOP 635 višak i 636 za manjak i 637 višak)	723.681	+1.606.447	+1.402.797
	UKUPNO STANJE 31. 12. (A-B+C) = D višak/manjak	-511.581	+742.370	+3.801.981

Napomena: Temeljem novog Pravilnika o proračunskom računovodstvu i Računskom planu NN 124/14 i NN114/15. Neki pokazatelji u stupcu za 2013. godinu nisu usporedivi s istima za 2014. i 2015. (npr. Prihodi točka 1.5 = točka 3.2. u 2014. i 2015. godini.



<b>REPUBLIKA HRVATSKA</b>	Razina	11
<b>MINISTARSTVO ZNANOSTI, OBRAZOVANJA I SPORTA</b>	RKPD	1790
	Razdjel	080
	Djelatnost	8542

**Sveučilište u Zagrebu  
Fakultet kemijskog inženjerstva i tehnologije  
Zagreb, Marulićev trg 19**

**Matični broj: 03250270, OIB 71259740533  
IBAN: HR7223600001101338626**

#### BILJEŠKE UZ GODIŠNJE FINACIJSKO IZVJEŠĆE

(od 01. 01. 2015. do 31.12. 2015.)

#### OBRAZAC PR-RAS

1. Odnos financijskih pokazatelja o ostvarenim prihodima i primicima te rashodima i izdacima prikazan je u tablici koja je prilog bilješki financijskog izvještaja za 2015. godinu.
2. Rashodi za zaposlene sadrže uz plaću preko COP-obračuna i isplaćene plaće zaposlenicima koji rade na projektima financiranim izvan općeg proračuna i isti nisu u potpori MZOS-a. Suradnici-doktorandi koji rade na EU projektu također primaju plaću koja se knjigovodstveno evidentira na odjeljku 3111. Isplaćena bruto i plaća financirana sredstvima izvan općeg proračuna iznosi 955.258,30 kn. Ukupna bruto sredstva koja terete vlastite prihode odnose se na plaće po sudskim presudama u iznosu od 414.397,53 kn.