



FKITMCMXIX

Sveučilište u Zagrebu  
Fakultet kemijskog  
inženjerstva i tehnologije



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## ODLUKU o prihvaćanju Godišnje Samoanalize Fakulteta

### I.

Prihvaća se Godišnja Samoanaliza Fakulteta za ak. god. 2022. /2023.

### II.

Godišnja Samoanaliza Fakulteta iz članka I. nalazi se u prilogu Odluke i čini njezin sastavni dio.

### III.

Odluka stupa na snagu danom donošenja i objavit će se na mrežnim stranicama Fakulteta.



Dekan  
prof. dr. sc. Ante Jukić

Dostaviti:

1. Pismohrani, ovdje



University of Zagreb  
Faculty of Chemical  
Engineering and Technology

FKITMCMXIX



Godišnja Samoanaliza  
Sveučilišta u Zagrebu  
Fakulteta kemijskog inženjerstva i tehnologije  
za ak. god. 2022./2023.

*Zagreb, studeni 2023.*

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## II. STUDIJSKI PROGRAMI

Tablica 2.1. Vrednovanje studijskih programa

| Ak. 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                            |
| 2015./2016. | 3,92                            | 4,47                            |
| 2016./2017. | 3,90                            | 4,23                            |
| 2017./2018. | 4,01                            | 4,03                            |
| 2018./2019. | nije dostavljeno od Sveučilišta | nije dostavljeno od Sveučilišta |
| 2019./2020. | 3,26                            | 3,47                            |
| 2020./2021. | 3,71                            | 3,95                            |
| 2021./2022. | 3,39                            | 4,17                            |

### III. NASTAVNI PROCES I PODRŠKA STUDENTIMA

Tablica 3.1. Broj studenata po studijskom programu u akademskoj godini 2022./2023.

| Naziv studijskog programa  | Redoviti studenti | Izvanredni studenti |
|--|-------------------|---------------------|
| Chemical and Environmental Technology (1488), diplomski sveučilišni studij, Zagreb   | 6                 | 0                   |
| Ekoinženjerstvo (1706), poslijediplomski specijalistički studij, Zagreb  | 0                 | 25                  |
| Kemijsko inženjerstvo (1710), preddiplomski sveučilišni studij, Zagreb   | 261               | 0                   |
| Kemijsko inženjerstvo (1711), diplomski sveučilišni studij, Zagreb   | 103               | 0                   |
| Kemija i inženjerstvo materijala (1712), preddiplomski sveučilišni studij, Zagreb  | 195               | 0                   |
| Kemija i inženjerstvo materijala (1713), diplomski sveučilišni studij, Zagreb  | 66                | 0                   |
| Primijenjena kemija, smjerovi: Kemija u zaštiti okoliša i izvori energije, Specifični materijali i napredne tehnologije, Primijenjena organska kemija (1714), preddiplomski sveučilišni studij, Zagreb | 189               | 0                   |
| Primijenjena kemija, smjerovi: Kemija u zaštiti okoliša i izvori energije, Specifični materijali i napredne tehnologije, Primijenjena organska kemija (1715), diplomski sveučilišni studij, Zagreb     | 79                | 0                   |
| Ekoinženjerstvo (1716), preddiplomski sveučilišni studij, Zagreb   | 116               | 0                   |
| Ekoinženjerstvo (1717), diplomski sveučilišni studij, Zagreb   | 58                | 0                   |
| Kemijsko inženjerstvo i primijenjena kemija (1719), poslijediplomski sveučilišni (doktorski) studij, Zagreb  | 0                 | 140                 |
| <b>Ukupno</b>  | <b>1065</b>       | <b>165</b>          |

Tablica 3.2. Struktura upisanih studenata i zanimanje za preddiplomske studijske programe u tekućoj i posljednjih pet godina\*

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                           | Prosje. ocjena | Broj            | Prosje. ocjena | Broj         | Prosje. ocjena |
| 2022./2023. | 476              | 48         | 58          | 55+3 stranca   | 55                             | -                   | -                              | -            | 48                             | 4,62           | 7               | 4,57           | 0            | 0              |
| 2021./2022. | 456              | 63         | 69          | 55+3 stranca   | 55                             | -                   | -                              | -            | 50                             | 4,63           | 5               | 4,60           | -            | -              |
| 2020./2021. | 468              | 63         | 60          | 55+3stranca    | 55                             | -                   | -                              | -            | 50                             | 4,58           | 5               | 4,24           | 0            | 0              |
| 2019./2020. | 518              | 41         | 90          | 55 + 3 stranca | 55                             | -                   | -                              | -            | 48                             | -              | 7               | -              | 0            | -              |
| 2018./2019. | 690              | 75         | 60          | 55 + 3 stranca | 55                             | -                   | -                              | -            | 36                             | -              | 6               | -              | 13           | -              |
| 2017./2018. | 666              | 74         | 74          | 55 + 3 stranca | 56                             | -                   | -                              | -            | 51                             | 4,61           | 5               | 4,78           | 0            | 0,00           |

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                           | Prosje. ocjena | Broj            | Prosje. ocjena | Broj         | Prosje. ocjena |
| 2022./2023. | 223              | 26         | 39          | 55+3 stranca   | 54                             | -                   | -                              | -            | 40                             | 4,22           | 14              | 4,33           | 0            | 0              |
| 2021./2022. | 224              | 42         | 40          | 55+3 stranca   | 55                             | -                   | -                              | -            | 43                             | 4,42           | 12              | 4,33           | -            | -              |
| 2020./2021. | 240              | 44         | 36          | 55+3 stranca   | 55                             | -                   | -                              | -            | 44                             | 4,4            | 11              | 4,52           | -            | -              |
| 2019./2020. | 215              | 37         | 30          | 55 + 3 stranca | 54                             | -                   | -                              | -            | 44                             | -              | 10              | -              | -            | -              |
| 2018./2019. | 336              | 32         | 49          | 55 + 3 stranca | 55                             | -                   | -                              | -            | 34                             | -              | 8               | -              | 13           | -              |
| 2017./2018. | 380              | 39         | 57          | 55 + 3 stranca | 55                             | -                   | -                              | -            | 49                             | 4,50           | 5               | 4,03           | 1            | 4,97           |

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                           | Prosje. ocjena | Broj            | Prosje. ocjena | Broj         | Prosje. ocjena |
| 2022./2023. | 155              | 13         | 16          | 55+2 stranca   | 22                             | -                   | -                              | -            | 17                             | 4,30           | 5               | 4,55           | 0            | 0              |
| 2021./2022. | 150              | 21         | 23          | 55+2 stranca   | 40                             | -                   | -                              | -            | 33                             | 4,20           | 7               | 4,12           | -            | -              |
| 2020./2021. | 207              | 31         | 36          | 55+2 stranca   | 55                             | -                   | -                              | -            | 40                             | 4,14           | 15              | 4,54           | -            | -              |
| 2019./2020. | 195              | 33         | 24          | 55 + 2 stranca | 55                             | -                   | -                              | -            | 47                             | -              | 8               | -              | -            | -              |
| 2018./2019. | 430              | 55         | 42          | 55 + 2 stranca | 55                             | -                   | -                              | -            | 34                             | -              | 9               | -              | 12           | -              |
| 2017./2018. | 468              | 55         | 51          | 55 + 2 stranca | 54                             | -                   | -                              | -            | 46                             | 4,33           | 8               | 4,18           | 0            | 0,00           |

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                           | Prosje. ocjena | Broj            | Prosje. ocjena | Broj         | Prosje. ocjena |
| 2022./2023. | 358              | 44         | 53          | 55+2 stranca   | 56                             | -                   | -                              | -            | 44                             | 4,54           | 12              | 4,50           | 0            | 0              |
| 2021./2022. | 366              | 50         | 59          | 55+2 stranca   | 54                             | -                   | -                              | -            | 52                             | 4,33           | 2               | 4,35           | -            | -              |
| 2020./2021. | 361              | 49         | 57          | 55+2stranca    | 55                             | -                   | -                              | -            | 50                             | 4,53           | 5               | 4,23           | 0            | 0              |
| 2019./2020. | 412              | 57         | 52          | 55 + 2 stranca | 55                             | -                   | -                              | -            | 51                             | -              | 3               | -              | 1            | -              |
| 2018./2019. | 548              | 53         | 77          | 55 + 2 stranca | 55                             | -                   | -                              | -            | 32                             | -              | 5               | -              | 18           | -              |
| 2017./2018. | 505              | 71         | 63          | 55 + 2 stranca | 55                             | -                   | -                              | -            | 50                             | 4,55           | 5               | 4,22           | 0            | 0,00           |

\*podatci za samovrjednovanje preuzeti sa stranica Središnjeg prijavnog ureda

Tablica 3.3. Struktura upisanih studenata i zanimanje za diplomatske i poslijediplomske studijske programe u tekućoj i posljednjih pet godina\*

| Kemijско inženjerstvo | Redovni studenti |             |                | Izvanredni studenti |             |         | Broj studenata koji dolaze s drugoga visokog učilišta | Prosječna ocjena* |
|-----------------------|------------------|-------------|----------------|---------------------|-------------|---------|---|-------------------|
|                       | Godina           | Prijavljeni | Upisani        | Upisna kvota        | Prijavljeni | Upisani |   |                   |
| 2022./2023.           | 46               | 44          | 50(2 stranac)  | -                   | -           | -       | 3(studenti s FKIT-a, promjena studija)                | 3,580             |
| 2021./2022.           | 62               | 50          | 50(2 stranac)  | -                   | -           | -       | 1 (studenti s FKIT-a, promjena studija)               | 3,747             |
| 2020./2021.           | 50               | 40          | 40(1 stranac)  | -                   | -           | -       | 0   | 3,783             |
| 2019./2020.           | 48               | 40          | 40 (1 stranac) | -                   | -           | -       | 2 (studenti s FKIT-a, promjena studija)               | 3,912             |
| 2018./2019.           | 57               | 38          | 40 (1 stranac) | -                   | -           | -       | 2 (studenti s FKIT-a, promjena studija)               | 3,707             |
| 2017./2018.           | 53               | 36          | 35 (1 stranac) | -                   | -           | -       | 0   | 3,812             |

| Kemija i inženjerstvo materijala | Redovni studenti |             |                | Izvanredni studenti |             |         | Broj studenata koji dolaze s drugoga visokog učilišta | Prosječna ocjena* |
|----------------------------------|------------------|-------------|----------------|---------------------|-------------|---------|---|-------------------|
|                                  | Godina           | Prijavljeni | Upisani        | Upisna kvota        | Prijavljeni | Upisani |   |                   |
| 2022./2023.                      | 32               | 19          | 40 (1 stranca) | -                   | -           | -       | 3 (studenti s FKIT-a, promjena studija)               | 3,731             |
| 2021./2022.                      | 62               | 40          | 40 (1 stranca) | -                   | -           | -       | 1 (studenti s FKIT-a, promjena studija)               | 3,642             |
| 2020./2021.                      | 49               | 33          | 35 (2 stranca) | -                   | -           | -       | 0   | 3,710             |
| 2019./2020.                      | 46               | 33          | 35 (2 stranca) | -                   | -           | -       | 2 (studenti s FKIT-a, promjena studija)               | 3,551             |
| 2018./2019.                      | 41               | 32          | 30 (2 stranca) | -                   | -           | -       | 0   | 3,575             |
| 2017./2018.                      | 32               | 25          | 20 (2 stranca) | -                   | -           | -       | 0   | 3,412             |

| Ekoinženjerstvo | Redovni studenti |             |                | Izvanredni studenti |             |         | Broj studenata koji dolaze s drugoga visokog učilišta              | Prosječna ocjena* |
|-----------------|------------------|-------------|----------------|---------------------|-------------|---------|--|-------------------|
|                 | Godina           | Prijavljeni | Upisani        | Upisna kvota        | Prijavljeni | Upisani |  |                   |
| 2022./2023.     | 37               | 22          | 35 (1 stranca) | -                   | -           | -       | 1(studenti s FKIT-a, promjena studija)                             | 3,412             |
| 2021./2022.     | 51               | 30          | 35 (1 stranca) | -                   | -           | -       | 8 (studenti s FKIT-a, promjena studija)                            | 3,533             |
| 2020./2021.     | 33               | 15          | 35 (1 stranca) | -                   | -           | -       | 3 (studenti s FKIT-a, promjena studija)                            | 3,717             |
| 2019./2020.     | 37               | 17          | 35 (1 stranca) | -                   | -           | -       | 5 (studenti s FKIT-a, promjena studija)<br>1 (razlika do 15 ECTSa) | 3,637             |
| 2018./2019.     | 59               | 31          | 40 (1 stranac) | -                   | -           | -       | 9 (studenti s FKIT-a, promjena studija)                            | 3,377             |
| 2017./2018.     | 49               | 23          | 35 (1 stranac) | -                   | -           | -       | 3 (studenti s razlikovnom godinom)                                 | 3,200             |

| Primijenjena kemija | Redovni studenti |             |                | Izvanredni studenti |             |         | Broj studenata koji dolaze s drugoga visokog učilišta | Prosječna ocjena* |
|---------------------|------------------|-------------|----------------|---------------------|-------------|---------|---|-------------------|
|                     | Godina           | Prijavljeni | Upisani        | Upisna kvota        | Prijavljeni | Upisani |   |                   |
| 2022./2023.         | 39               | 33          | 40 (1 stranac) | -                   | -           | -       | 2(studenti s FKIT-a, promjena studija)                | 3,743             |
| 2021./2022.         | 42               | 39          | 40 (1 stranac) | -                   | -           | -       | 3 (studenti s FKIT-a, promjena studija)               | 3,699             |
| 2020./2021.         | 40               | 34          | 40 (1 stranac) | -                   | -           | -       | 0   | 3,735             |
| 2019./2020.         | 28               | 27          | 40 (1 stranac) | -                   | -           | -       | 0   | 3,733             |
| 2018./2019.         | 50               | 40          | 40 (1 stranac) | -                   | -           | -       | 1 (studenti s FKIT-a, promjena studija)               | 3,907             |
| 2017./2018.         | 43               | 36          | 35 (1 stranac) | -                   | -           | -       | 0   | 3,707             |

| Chemical and Environmental Technology | Redovni studenti | Izvanredni studenti | Broj studenata koji dolaze s drugoga visokog učilišta | Prosječna ocjena* |
|---------------------------------------|------------------|---------------------|---|-------------------|
|                                       |                  |                     |   |                   |



| Godina      | Prijavljeni       | Upisani | Upisna kvota          | Prijavljeni | Upisani | Upisna kvota |   |       |
|-------------|-------------------|---------|-----------------------|-------------|---------|--------------|---|-------|
| 2022./2023. | 13 stranaca+7EU   | 4       | 15 EU<br>(10stranaca) | -           | -       | -            | 4 | 3,851 |
| 2021./2022. | 13 stranaca+ 3 EU | 1       | 15 EU<br>(10stranaca) | -           | -       | -            | 1 | 3,970 |
| 2020./2021. | 7                 | 5       | 15                    | -           | -       | -            | 3 | 3,32  |
| 2019./2020. | 6                 | 4       | 15                    | -           | -       | -            | 5 | 3,97  |
| 2018./2019. | -                 | -       | -                     | -           | -       | -            |   |       |

\* Prosječna ocjena svih upisanih studenata na studiju

| Naziv studijskog programa | Redovni studenti |             |         | Izvanredni studenti <sup>1</sup> |             |                      | Broj studenata koji dolaze s drugog visokog učilišta   | Prosječna ocjena** |
|---------------------------|------------------|-------------|---------|----------------------------------|-------------|----------------------|--|--------------------|
|                           | Godina           | Prijavljeni | Upisani | Upisna kvota                     | Prijavljeni | Upisani <sup>#</sup> |  |                    |
| KIPK 2022./2023.          | -                | -           | -       | 17                               | 17          | 17                   | 4(2 PBF, 1 PMF, 1 Odjel za kemiju SJJSuOsijeku)  | 4,342              |
| KIPK 2021./2022.          | -                | -           | -       | 20                               | 20          | 20                   | 5 (1 PBF Osijek; 1 Odjel za kemiju Osijek; 1 FER; 1 PMF; 1 Gebze Technical University, Turska; | 4,681              |
| KIPK 2020./2021.          | -                | -           | -       | 41                               | 41          | 40                   | 6 (3 PMF, 1 PMF Split, 1 KTF Split, 1 Odjel za kemiju Osijek)                                  | 4,692              |
| KIPK 2019./2020.          | -                | -           | -       | 24                               | 24          | 40                   | 7 (1 RGNF, 1 PBF, 3 IRB, 2 Veleučilište Karlovac)  | 4,40               |
| KIPK 2018./2019.          | -                | -           | -       | 37                               | 37          | 40                   | 6 (1 KTF Split, 1 Medicinski f., 4 IRB)  | 4,47               |
| KIPK 2017./2018.          | -                | -           | -       | 17                               | 17          | 40                   | 3 (2 PMF, 1 Odjel za kemiju Osijek)  | 4,42               |
| KIPK 2016./2017.          | -                | -           | -       | 13                               | 13          | 40                   | 2 (1 Erasmus, 1 IRB, )   | 4,46               |

<sup>1</sup> Studente poslijediplomskog studija Fakultet navodi kao izvanredne studente, s obzirom na preporuke AZVO

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

<sup>#</sup> Ukupni broj s prijelaznicima na drugu i treću godinu

Tablica 3.4. Prolaznost na studijskom programu

a) Preddiplomski 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 <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                    |
| 2011./2012.  | 39                      | 6   | 7  | 25   | 33                          | 3 (16)  | 3,165                    |
| 2012./2013.  | 48                      | 8   | 7  | 62   | 39                          | 8 (21)  | 3,383                    |
| 2013./2014.  | 49                      | 7   | 16   | 26   | 26                          | 5 (28)  | 3,422                    |
| 2014./2015.  | 39                      | 3   | 1  | 51   | 21                          | 1 (15)  | 3,395                    |
| 2015./2016.  | 46                      | 2   | 11   | 33   | 28                          | 3(20)   | 3,574                    |
| 2016./2017.  | 46                      | 2   | 1  | 43   | 31                          | 3(14)   | 3,660                    |
| 2017./2018.  | 38                      | 8   | 9  | 47   | 33                          | 2(21)   | 3,812                    |

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                    |
| 2011./2012.  | 29                      | 4   | 3  | 22   | 23                          | 7 (27)  | 3,025                    |
| 2012./2013.  | 23                      | 20  | 14   | 25   | 20                          | 6 (30)  | 3,080                    |
| 2013./2014.  | 41                      | 3   | 25   | 13   | 11                          | 2 (30)  | 3,025                    |
| 2014./2015.  | 30                      | 5   | 14   | 36   | 24                          | 0 (25)  | 2,899                    |
| 2015./2016.  | 47                      | 8   | 18   | 21   | 34                          | 7(13)   | 3,165                    |
| 2016./2017.  | 34                      | 0   | 2  | 32   | 18                          | 1(21)   | 3,575                    |
| 2017./2018.  | 41                      | 6   | 25   | 39   | 25                          | 4(16)   | 3,634                    |

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 |
| 2011./2012. | 36 | 1  | 1  | 34 | 31 | 3 (21) | 3,265 |
| 2012./2013. | 33 | 10 | 9  | 51 | 25 | 8 (29) | 3,222 |
| 2013./2014. | 37 | 15 | 11 | 11 | 12 | 7 (43) | 3,280 |
| 2014./2015. | 29 | 6  | 1  | 48 | 13 | 3 (23) | 3,156 |
| 2015./2016. | 41 | 4  | 8  | 29 | 19 | 6(26)  | 3,285 |
| 2016./2017. | 29 | 0  | 0  | 29 | 12 | 2(26)  | 3,417 |
| 2017./2018. | 31 | 3  | 9  | 44 | 19 | 4(25)  | 3,761 |

### 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                    |
| 2011./2012.  | 34                      | 2   | 3  | 29   | 31                          | 2 (24)  | 3,230                    |
| 2012./2013.  | 48                      | 7   | 13   | 40   | 40                          | 0 (12)  | 3,382                    |
| 2013./2014.  | 46                      | 7   | 20   | 19   | 24                          | 4 (26)  | 3,400                    |
| 2014./2015.  | 37                      | 8   | 7  | 41   | 36                          | 2 (16)  | 3,344                    |
| 2015./2016.  | 49                      | 9   | 13   | 29   | 38                          | 9(26)   |                          |
| 2016./2017.  | 40                      | 1   | 1  | 38   | 30                          | 0(15)   | 3,743                    |
| 2017./2018.  | 37                      | 7   | 14   | 37   | 32                          | 2(21)   | 3,745                    |

Napomena za sve preddiplomske studije: broj upisanih studenata s kojima računa sustav ISVU je ukupan broj prvi put upisanih studenata u određenoj ak. god. umanjen 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 bruoša zato što je dio bruoša tokom godina prešao na druge preddiplomske studije. Broj upisanih studenata može biti veći od broja bruoša 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 pribrojani 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) <sup>#</sup>                               | 3,996                    |
| 2011./2012.  | 17                      | 0   | 0  | 17   | 17                          | 0  | 3,895                    |
| 2012./2013.  | 35                      | 0   | 0  | 35   | 35                          | 0 (1)  | 4,026                    |
| 2013./2014.  | 34                      | 1   | 1  | 32   | 34                          | 0  | 4,443                    |
| 2014./2015.  | 36                      | 1   | 2  | 33   | 33                          | 2 (1)  | 4,454                    |
| 2015./2016.  | 36                      | 0   | 0  | 36   | 36                          | 0  | 4,532                    |
| 2016./2017.  | 36                      | 0   | 0  | 36   | 36                          | 0  | 4,613                    |
| 2017./2018.  | 37                      | 0   | 0  | 37   | 37                          | 0  | 4,222                    |
| 2018./2019.  | 38                      | 0   | 0  | 38   | 38                          | 0  | 4,629                    |
| 2019./2020.  | 40                      | 0   | 0  | 40   | 40                          | 0  | 4,217                    |

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                    |
| 2013./2014.  | 13                      | 0   | 0  | 13   | 11                          | 2  | 4,056                    |
| 2014./2015.  | 12                      | 0   | 1  | 10   | 11                          | 0 (1)  | 4,385                    |
| 2015./2016.  | 22                      | 1   | 0  | 21   | 21                          | 0 (1)  | 4,488                    |
| 2016./2017.  | 22                      | 0   | 0  | 22   | 21                          | 1  | 4,478                    |
| 2017./2018.  | 25                      | 0   | 0  | 25   | 25                          | 0  | 4,515                    |
| 2018./2019.  | 32                      | 0   | 0  | 32   | 32                          | 0  | 4,460                    |
| 2019./2020.  | 33                      | 0   | 0  | 33   | 33                          | 0  | 3,947                    |

## 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) <sup>#</sup>                               | 3,889                    |
| 2012./2013.  | 18                      | 0   | 1  | 17   | 17                          | 1 (1)  | 3,526                    |
| 2013./2014.  | 15                      | 0   | 1  | 14   | 15                          | 0  | 4,309                    |
| 2014./2015.  | 17                      | 2   | 1  | 15   | 13                          | 2  | 4,299                    |
| 2015./2016.  | 37                      | 1   | 0  | 36   | 36                          | 1  | 4,495                    |
| 2016./2017.  | 37                      | 1   | 0  | 36   | 34                          | 1 (1)  | 4,707                    |
| 2017./2018.  | 21                      | 0   | 0  | 20   | 20                          | 1  | 4,286                    |
| 2018./2019.  | 32                      | 1   | 0  | 31   | 31                          | 1  | 4,592                    |
| 2019./2020.  | 17                      | 0   | 0  | 17   | 17                          | 0  | 3,979                    |

## 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                    |
| 2013./2014.  | 23                      | 0   | 1  | 22   | 23                          | 0  | 4,392                    |
| 2014./2015.  | 26                      | 0   | 1  | 25   | 25                          | 0  | 4,316                    |
| 2015./2016.  | 36                      | 1   | 1  | 34   | 35                          | 1  | 4,461                    |
| 2016./2017.  | 36                      | 0   | 0  | 36   | 35                          | 1  | 4,525                    |
| 2017./2018.  | 37                      | 0   | 0  | 37   | 37                          | 0  | 4,474                    |
| 2018./2019.  | 40                      | 0   | 0  | 40   | 40                          | 0  | 4,617                    |
| 2019./2020.  | 27                      | 0   | 0  | 27   | 27                          | 0  | 4,041                    |

## Chemical and Environmental Technology

| 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 |
|--------------|-------------------------|---|--|--|-----------------------------|--|--------------------------|
| 2018./2019.  | -                       | -   | -  | -  | -                           | -  | -                        |
| 2019./2020.  | 4                       | 0   | 0  | 4  | 4                           | 0  | 4,592                    |

\* 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 3.5. Završnost na studijskom programu

Kemijsko inženjerstvo (1710), preddiplomski sveučilišni studij, Zagreb

| Kohorta studenata | upisanih | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|-------------------|----------|--------------------------------------|---|--|---|-------------------------------|
| 2009              |          | 67                                   | 19  | 0  | 48  | 3,8                           |
| 2010              |          | 64                                   | 26  | 0  | 38  | 5,1                           |
| 2011              |          | 69                                   | 36  | 0  | 36  | 4,5                           |
| 2012              |          | 76                                   | 39  | 0  | 37  | 4,2                           |
| 2013              |          | 66                                   | 29  | 0  | 37  | 4,2                           |
| 2014              |          | 84                                   | 31  | 0  | 53  | 3,6                           |
| 2015              |          | 121                                  | 45  | 0  | 76  | 3,6                           |
| 2016              |          | 94                                   | 46  | 0  | 48  | 3,3                           |
| 2017              |          | 93                                   | 52  | 0  | 41  | 3                             |
| 2018              |          | 83                                   | 44  | 1  | 28  | 3,4                           |
| 2019              |          | 92                                   | 47  | 19   | 26  | 3,5                           |

\*Ne uključuje prelaskе s drugih VU

Kemija i inženjerstvo materijala (1712), preddiplomski sveučilišni studij, Zagreb

| Kohorta studenata | upisanih | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|-------------------|----------|--------------------------------------|---|--|---|-------------------------------|
| 2013              |          | 58                                   | 20  | 0  | 38  | 3,9                           |
| 2014              |          | 68                                   | 27  | 0  | 41  | 3,8                           |
| 2015              |          | 104                                  | 45  | 1  | 58  | 3,5                           |
| 2016              |          | 67                                   | 26  | 7  | 34  | 3,7                           |
| 2017              |          | 75                                   | 13  | 27   | 35  | 3                             |
| 2018              |          | 62                                   | 21  | 2  | 39  | 3,7                           |
| 2019              |          | 64                                   | 30  | 10   | 24  | 3,4                           |

\*Ne uključuje prelaskе s drugih VU

Primijenjena kemija; smjerovi: Kemija u zaštiti okoliša, Specifični materijali i napredne tehnologije, Primijenjena organska kemija (1714) preddiplomski sveučilišni studij, Zagreb

| Kohorta studenata | upisanih | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|-------------------|----------|--------------------------------------|---|--|---|-------------------------------|
| 2009              |          | 58                                   | 31  | 0  | 27  | 3,5                           |
| 2010              |          | 46                                   | 20  | 0  | 26  | 3,6                           |
| 2011              |          | 59                                   | 31  | 0  | 28  | 3,5                           |

|      |    |    |    |    |     |
|------|----|----|----|----|-----|
| 2012 | 72 | 40 | 0  | 32 | 3,7 |
| 2013 | 82 | 31 | 0  | 51 | 3,7 |
| 2014 | 55 | 36 | 0  | 19 | 4   |
| 2015 | 76 | 43 | 0  | 33 | 3,7 |
| 2016 | 62 | 44 | 0  | 18 | 3,6 |
| 2017 | 67 | 34 | 3  | 30 | 3,5 |
| 2018 | 63 | 35 | 1  | 30 | 3,6 |
| 2019 | 62 | 38 | 11 | 13 | 3,5 |

\*Ne uključuje prelasku s drugih VU

#### Ekoinženjerstvo (1716) preddiplomski sveučilišni studij, Zagreb

| Kohorta upisanih studenata | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|----------------------------|--------------------------------------|---|--|---|-------------------------------|
| 2009                       | 74                                   | 22  | 0  | 52  | 3,8                           |
| 2010                       | 68                                   | 18  | 0  | 50  | 4,5                           |
| 2011                       | 72                                   | 35  | 0  | 37  | 4,4                           |
| 2012                       | 70                                   | 25  | 0  | 45  | 4                             |
| 2013                       | 78                                   | 19  | 0  | 59  | 4,7                           |
| 2014                       | 63                                   | 15  | 0  | 48  | 4,1                           |
| 2015                       | 89                                   | 23  | 0  | 66  | 4,1                           |
| 2016                       | 75                                   | 22  | 1  | 52  | 4,5                           |
| 2017                       | 64                                   | 18  | 2  | 44  | 3,4                           |
| 2018                       | 63                                   | 35  | 1  | 30  | 3,6                           |
| 2019                       | 66                                   | 17  | 21   | 28  | 3,6                           |

\*Ne uključuje prelasku s drugih VU

#### Chemical and Environmental Technology (1488), diplomski sveučilišni studij, Zagreb

| Kohorta upisanih studenata | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|----------------------------|--------------------------------------|---|--|---|-------------------------------|
| 2018                       | -                                    | -   | -  | -   | -                             |
| 2019                       | 4                                    | 4   | -  | -   | 4,592                         |

\*Ne uključuje prelasku s drugih VU

Kemijsko inženjerstvo (1711), diplomski sveučilišni studij, Zagreb

| Kohorta studenata | upisanih | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|-------------------|----------|--------------------------------------|---|--|---|-------------------------------|
| 2009              |          | 23                                   | 23  | 0  | 0   | 1,9                           |
| 2010              |          | 29                                   | 27  | 0  | 0   | 1,9                           |
| 2011              |          | 17                                   | 17  | 0  | 0   | 1,9                           |
| 2012              |          | 36                                   | 35  | 0  | 1   | 1,9                           |
| 2013              |          | 34                                   | 34  | 0  | 0   | 1,9                           |
| 2014              |          | 36                                   | 33  | 0  | 3   | 1,9                           |
| 2015              |          | 36                                   | 36  | 0  | 0   | 1,9                           |
| 2016              |          | 36                                   | 36  | 0  | 0   | 2                             |
| 2017              |          | 37                                   | 37  | 0  | 0   | 2                             |
| 2018              |          | 38                                   | 38  | 0  | 0   | 2                             |
| 2019              |          | 40                                   | 40  | 0  | 0   | 2                             |
| 2020              |          | 40                                   | 40  | 0  | 0   | 2                             |

\*Ne uključuje prelaskes s drugih VU

Kemija i inženjerstvo materijala (1713), diplomski sveučilišni studij, Zagreb

| Kohorta upisanih studenata | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|----------------------------|--------------------------------------|---|--|---|-------------------------------|
| 2009                       | 9                                    | 9   | 0  | 0   | 1,9                           |
| 2010                       | 15                                   | 15  | 0  | 0   | 1,9                           |
| 2011                       | 16                                   | 14  | 0  | 2   | 1,9                           |
| 2012                       | 23                                   | 21  | 0  | 2   | 1,9                           |
| 2013                       | 13                                   | 11  | 0  | 2   | 1,9                           |
| 2014                       | 12                                   | 11  | 0  | 1   | 1,9                           |
| 2015                       | 22                                   | 21  | 0  | 1   | 2                             |
| 2016                       | 22                                   | 21  | 0  | 1   | 1,9                           |
| 2017                       | 25                                   | 25  | 0  | 0   | 1,9                           |
| 2018                       | 32                                   | 32  | 0  | 0   | 1,9                           |
| 2019                       | 33                                   | 33  | 0  | 0   | 1,9                           |
| 2020                       | 33                                   | 33  | 0  | 0   | 1,9                           |

\*Ne uključuje prelaskes s drugih VU



Primijenjena kemija; smjerovi: Kemija u zaštiti okoliša, Specifični materijali i napredne tehnologije, Primijenjena organska kemija (1715) diplomski sveučilišni studij, Zagreb

| Kohorta upisanih studenata | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|----------------------------|--------------------------------------|---|--|---|-------------------------------|
| 2009                       | 26                                   | 26  | 0  | 0   | 1,9                           |
| 2010                       | 25                                   | 25  | 0  | 0   | 1,9                           |
| 2011                       | 15                                   | 14  | 0  | 1   | 1,9                           |
| 2012                       | 29                                   | 29  | 0  | 0   | 1,9                           |
| 2013                       | 23                                   | 23  | 0  | 0   | 1,9                           |
| 2014                       | 26                                   | 26  | 0  | 0   | 2                             |
| 2015                       | 36                                   | 35  | 0  | 1   | 2                             |
| 2016                       | 36                                   | 35  | 0  | 1   | 2,1                           |
| 2017                       | 37                                   | 37  | 0  | 0   | 2                             |
| 2018                       | 40                                   | 40  | 0  | 0   | 2                             |
| 2019                       | 27                                   | 27  | 0  | 0   | 2                             |
| 2020                       | 34                                   | 32  | 1  | 1   | 1,9                           |

\*Ne uključuje prelaskes s drugih VU

Ekoinženjerstvo (1717) diplomski sveučilišni studij, Zagreb

| Kohorta upisanih studenata | Broj upisanih studenata u generaciji | Broj diplomiranih studenata iz generacije | Broj studenata koji još studiraju iz generacije* | Broj studenata koji su izgubili pravo studiranja iz generacije* | Prosječno trajanje studiranja |
|----------------------------|--------------------------------------|---|--|---|-------------------------------|
| 2009                       | 31                                   | 31  | 0  | 0   | 2                             |
| 2010                       | 16                                   | 16  | 0  | 0   | 2                             |
| 2011                       | 17                                   | 13  | 0  | 4   | 2                             |
| 2012                       | 18                                   | 17  | 0  | 1   | 2                             |
| 2013                       | 15                                   | 15  | 0  | 0   | 1,9                           |
| 2014                       | 15                                   | 13  | 0  | 2   | 2,2                           |
| 2015                       | 37                                   | 36  | 0  | 1   | 1,9                           |
| 2016                       | 37                                   | 35  | 0  | 2   | 2,2                           |
| 2017                       | 21                                   | 20  | 0  | 1   | 1,9                           |
| 2018                       | 32                                   | 31  | 0  | 1   | 1,9                           |
| 2019                       | 17                                   | 16  | 0  | 1   | 1,9                           |
| 2020                       | 15                                   | 14  | 1  | 0   | 1,9                           |

\*Ne uključuje prelaskes s drugih VU

Tablica 3.6. Mobilnost studenata

|             |                   | Broj studenata u međunarodnoj razmjeni |             |                  |
|-------------|-------------------|--|-------------|------------------|
|             |                   | 1–3 mjeseca                            | 3–6 mjeseci | 6 i više mjeseci |
| 2020./2021. | Odlazna mobilnost | 3                                      | 17          | 0                |
| 2020./2021. | Dolazna mobilnost | 40                                     | 9           | 2                |
| 2021./2022. | Odlazna mobilnost | 1                                      | 27          | 0                |
| 2021./2022. | Dolazna mobilnost | 36                                     | 3           | 1                |
| 2022./2023. | Odlazna mobilnost | 14                                     | 7           | 1                |
| 2022./2023. | Dolazna mobilnost | 31                                     | 0           | 0                |

Podaci iz materijala za sjednice Fakultetskog vijeća u navedenom razdoblju. Nisu uključene studentske prakse preko IAESTE.

Tablica 3.7. Zapošljavanje studenata koji su završili studij

| Naziv studijskog programa                                | Ak.god      | Broj studenata koji su završili studij u posljednjih pet godina | Broj nezaposlenih prema statistici Zavoda za zapošljavanje na dan <b>30. rujna 2023.</b> (bez radnog iskustva) |
|--|-------------|---|--|
| Preddiplomski studij<br>Kemijsko inženjerstvo            | 2013./2014. | 29  | 0  |
|  | 2014./2015. | 45  |  |
|  | 2015./2016. | 37  |  |
|  | 2016./2017. | 40  |  |
|  | 2017./2018. | 35  |  |
|  | 2018./2019. | 40  |  |
|  | 2019./2020. | 45  |  |
|  | 2020./2021. | 62  |  |
|  | 2021./2022. | 42  |  |
| 2022./2023.  | 49          |   |  |
| Preddiplomski studij<br>Kemija i inženjerstvo materijala | 2013./2014. | 11  | 0  |
|  | 2014./2015. | 21  |  |
|  | 2015./2016. | 22  |  |
|  | 2016./2017. | 25  |  |
|  | 2017./2018. | 35  |  |
|  | 2018./2019. | 35  |  |
|  | 2019./2020. | 35  |  |
|  | 2020./2021. | 40  |  |
|  | 2021./2022. | 19  |  |
| 2022./2023.  | 39          |   |  |
| Preddiplomski studij<br>Ekoinženjerstvo                  | 2013./2014. | 19  | 0  |
|  | 2014./2015. | 35  |  |
|  | 2015./2016. | 38  |  |
|  | 2016./2017. | 14  |  |
|  | 2017./2018. | 23  |  |
|  | 2018./2019. | 17  |  |
|  | 2019./2020. | 18  |  |
|  | 2020./2021. | 25  |  |
|  | 2021./2022. | 26  |  |
| 2022./2023.  | 8           |   |  |
| Preddiplomski studij<br>Primijenjena kemija              | 2013./2014. | 25  | 1  |
|  | 2014./2015. | 37  |  |
|  | 2015./2016. | 43  |  |
|  | 2016./2017. | 36  |  |
|  | 2017./2018. | 49  |  |
|  | 2018./2019. | 32  |  |
|  | 2019./2020. | 39  |  |
|  | 2020./2021. | 37  |  |
|  | 2021./2022. | 32  |  |
| 2022./2023.  | 49          |   |  |

| Naziv studijskog programa                            | Ak. god.    | Broj studenata koji su završili studij u posljednjih pet godina | Broj nezaposlenih prema statistici Zavoda za zapošljavanje na dan <b>30. rujna 2023.</b> (bez radnog iskustva) |
|--|-------------|---|--|
| Diplomski studij<br>Kemijско inženjerstvo            | 2013./2014. | 35  | 5  |
|  | 2014./2015. | 29  |  |
|  | 2015./2016. | 37  |  |
|  | 2016./2017. | 37  |  |
|  | 2017./2018. | 32  |  |
|  | 2018./2019. | 37  |  |
|  | 2019./2020. | 39  |  |
|  | 2020./2021. | 43  |  |
|  | 2021./2022. | 32  |  |
|  | 2022./2023. | 41  |  |
| Diplomski studij<br>Kemija i inženjerstvo materijala | 2013./2014. | 18  | 3  |
|  | 2014./2015. | 15  |  |
|  | 2015./2016. | 10  |  |
|  | 2016./2017. | 21  |  |
|  | 2017./2018. | 22  |  |
|  | 2018./2019. | 24  |  |
|  | 2019./2020. | 32  |  |
|  | 2020./2021. | 30  |  |
|  | 2021./2022. | 30  |  |
|  | 2022./2023. | 37  |  |
| Diplomski studij<br>Ekoinženjerstvo                  | 2013./2014. | 19  | 6  |
|  | 2014./2015. | 14  |  |
|  | 2015./2016. | 10  |  |
|  | 2016./2017. | 34  |  |
|  | 2017./2018. | 28  |  |
|  | 2018./2019. | 30  |  |
|  | 2019./2020. | 27  |  |
|  | 2020./2021. | 21  |  |
|  | 2021./2022. | 12  |  |
|  | 2022./2023. | 27  |  |
| Diplomski studij<br>Primijenjena kemija              | 2013./2014. | 29  | 2  |
|  | 2014./2015. | 21  |  |
|  | 2015./2016. | 25  |  |
|  | 2016./2017. | 31  |  |
|  | 2017./2018. | 30  |  |
|  | 2018./2019. | 39  |  |
|  | 2019./2020. | 40  |  |
|  | 2020./2021. | 35  |  |
|  | 2021./2022. | 29  |  |
|  | 2022./2023. | 30  |  |

|  |             |   |   |
|--|-------------|---|---|
| Diplomski studij<br>Chemical and Environmental<br>Technology | 2020./2021. | 2 | 0 |
|  | 2021./2022. | 6 |   |
|  | 2022./2023. | 2 |   |

Tablice koje slijede nisu sastavni dio MOZVAG-a

Tablica 3.8.a. Struktura studenata (preddiplomski i diplomski studiji)

| Studijski program  | Redoviti studenti |             |             |             |             |             |             |             |             |             |
|--|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|  | 2013./2014.       | 2014./2015. | 2015./2016. | 2016./2017. | 2017./2018. | 2018./2019. | 2019./2020. | 2020./2021. | 2021./2022. | 2022./2023. |
| Preddiplomski studij<br>Kemijsko inženjerstvo            | 219               | 252         | 254         | 244         | 234         | 244         | 250         | 255         | 247         | 261         |
| Preddiplomski studij<br>Kemija i inženjerstvo materijala | 155               | 184         | 212         | 201         | 203         | 201         | 188         | 180         | 182         | 195         |
| Preddiplomski studij<br>Ekoinženjerstvo                  | 233               | 231         | 198         | 184         | 159         | 150         | 160         | 168         | 147         | 116         |
| Preddiplomski studij<br>Primijenjena kemija              | 185               | 195         | 178         | 183         | 190         | 186         | 183         | 180         | 188         | 189         |
| Diplomski studij<br>Kemijsko inženjerstvo (tri modula)   | 71                | 71          | 77          | 74          | 74          | 80          | 83          | 84          | 91          | 103         |
| Modul<br>Kemijsko-procesno inženjerstvo                  | 39                | 46          | 43          | 33          | 27          | 16          | 14          | 28          | 31          | 29          |
| Kemijsko inženjerstvo u zaštiti okoliša                  | 16                | 12          | 7           | 0           | 0           | 0           | 12          | 24          | 29          | 35          |
| Kemijske tehnologije i proizvodi                         | 16                | 13          | 27          | 41          | 47          | 64          | 57          | 32          | 31          | 39          |
| Diplomski studij<br>Kemija i inženjerstvo materijala     | 36                | 27          | 34          | 44          | 48          | 58          | 66          | 67          | 77          | 66          |
| Diplomski studij<br>Ekoinženjerstvo                      | 36                | 30          | 53          | 78          | 63          | 66          | 51          | 39          | 48          | 58          |

|  |     |      |      |      |      |      |      |      |      |      |
|--|-----|------|------|------|------|------|------|------|------|------|
| Diplomski studij Primijenjena kemija (tri modula)  | 54  | 50   | 64   | 74   | 80   | 89   | 77   | 71   | 75   | 79   |
| Modul Kemija okoliša                               | 8   | 9    | 11   | 6    | 10   | 14   | 7    | 11   | 22   | 23   |
| Modul Specifični materijali i napredne tehnologije | 24  | 20   | 29   | 32   | 28   | 30   | 28   | 32   | 28   | 27   |
| Modul Primijenjena organska kemija                 | 22  | 21   | 24   | 74   | 42   | 45   | 42   | 28   | 25   | 29   |
| Ukupno   | 989 | 1040 | 1070 | 1082 | 1051 | 1074 | 1058 | 1044 | 1055 | 1067 |

Tablica 3.8.b. Struktura studenata (doktorski studiji)

Doktorski studij Inženjerska kemija (od 2014./2015. se ne upisuje)

| 2017./2018.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |    | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|----|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž  | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 4  | 0           | 2 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0  | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 2          | 16 | 1           | 1 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 2          | 9  | 1           | 2 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 5          | 29 | 2           | 5 |

| 2018./2019.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |    | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|----|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž  | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 3  | 1           | 1 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0  |             |   |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 2          | 12 |             | 1 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 2          | 7  |             | 1 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 4          | 22 | 1           | 3 |

| 2019./2020.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 8 | 0           | 1 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 1 | 0           | 0 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 9 | 0           | 1 |

| 2020./2021.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 7 | 0           | 0 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 1 | 0           | 1 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 8 | 0           | 1 |

| 2021./2022.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 7 | 0           | 2 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 0 | 0           | 0 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 7 | 0           | 2 |

| 2022./2023.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 1 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 0 | 1           | 0 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 3 | 0           | 0 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 1          | 4 | 1           | 0 |

Doktorski studij Kemijsko inženjerstvo (od 2014./2015. se ne upisuje)

| 2017./2018.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 2 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 6          | 4 | 3           | 0 |



|                  |   |   |   |   |   |   |    |   |   |   |
|------------------|---|---|---|---|---|---|----|---|---|---|
| Samofinanciranje | 0 | 0 | 0 | 0 | 0 | 0 | 4  | 2 | 0 | 0 |
| UKUPNO:          | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 8 | 3 | 0 |

| 2018./2019.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 1 | 0           | 1 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 5          | 3 | 2           | 0 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 3          | 2 | 0           | 0 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 8          | 6 | 2           | 1 |

| 2019./2020.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 2 | 0           | 0 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 2 | 0           | 0 |

| 2020./2021.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 2 | 0           | 0 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 2 | 0           | 0 |

| 2021./2022.                   | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------------------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|                               | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |
| Asistent/<br>Znanstveni novak | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Stipendija                    | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| Troškove snosi pravna osoba   | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 2 | 0           | 0 |
| Samofinanciranje              | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 0 | 0           | 0 |
| UKUPNO:                       | 0         | 0 | 0         | 0 | 0         | 0 | 0          | 2 | 0           | 0 |

| 2022./2023. | 1. godina |   | 2. godina |   | 3. godina |   | Apsolventi |   | Doktorirali |   |
|-------------|-----------|---|-----------|---|-----------|---|------------|---|-------------|---|
|             | M         | Ž | M         | Ž | M         | Ž | M          | Ž | M           | Ž |

|                               |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|
| Asistent/<br>Znanstveni novak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stipendija                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Troškove snosi pravna osoba   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Samofinanciranje              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UKUPNO:                       | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |

### Doktorski studij Kemijsko inženjerstvo i primijenjena kemija

| 2020./2021.                   | 1. godina             |                       | 2. godina |                     | 3. godina |        | Apsolventi |        | Doktorirali |    |
|-------------------------------|-----------------------|-----------------------|-----------|---------------------|-----------|--------|------------|--------|-------------|----|
|                               | M                     | Ž                     | M         | Ž                   | M         | Ž      | M          | Ž      | M           | Ž  |
| Asistent/<br>Znanstveni novak | 1                     | 10                    | 5         | 4                   | 2         | 13     | 5          | 11     | 3           | 8  |
| Stipendija                    | 4 HRZZ +<br>4 projekt | 7 HRZZ +<br>4 projekt | 2 projekt | 2 HRZZ<br>2 projekt | 2 HRZZ    | 6 HRZZ | 1 HRZZ     | 1 HRZZ | 0           | 0  |
| Troškove snosi pravna osoba   | 0                     | 6                     | 1         | 2                   | 4         | 4      | 3          | 3      | 0           | 0  |
| Samofinanciranje              | 2                     | 3                     | 2         | 1                   | 4         | 2      | 8          | 5      | 2           | 2  |
| UKUPNO:                       | 11                    | 30                    | 10        | 11                  | 12        | 25     | 17         | 20     | 5           | 10 |

| 2021./2022.                   | 1. godina             |                       | 2. godina             |                       | 3. godina |                       | Apsolventi |        | Doktorirali |    |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|-----------------------|------------|--------|-------------|----|
|                               | M                     | Ž                     | M                     | Ž                     | M         | Ž                     | M          | Ž      | M           | Ž  |
| Asistent/<br>Znanstveni novak | 0                     | 1                     | 1                     | 10                    | 5         | 4                     | 7          | 16     | 4           | 5  |
| Stipendija                    | 4 HRZZ +<br>2 projekt | 5 HRZZ +<br>1 projekt | 4 HRZZ +<br>4 projekt | 7 HRZZ +<br>5 projekt | 2 projekt | 1 HRZZ +<br>1 projekt | 2 HRZZ     | 6 HRZZ | 0           | 0  |
| Troškove snosi pravna osoba   | 3                     | 3                     | 0                     | 7                     | 1         | 1                     | 5          | 8      | 3           | 3  |
| Samofinanciranje              | 0                     | 2                     | 2                     | 0                     | 2         | 1                     | 10         | 7      | 0           | 2  |
| UKUPNO:                       | 9                     | 12                    | 11                    | 29                    | 10        | 8                     | 24         | 37     | 7           | 10 |

| 2022./2023.                   | 1. godina |    | 2. godina            |                       | 3. godina            |                      | Apsolventi |                       | Doktorirali |                      |
|-------------------------------|-----------|----|----------------------|-----------------------|----------------------|----------------------|------------|-----------------------|-------------|----------------------|
|                               | M         | Ž  | M                    | Ž                     | M                    | Ž                    | M          | Ž                     | M           | Ž                    |
| Asistent/<br>Znanstveni novak | 1         | 3  | 0                    | 0                     | 1                    | 7                    | 5          | 12                    | 0           | 2                    |
| Stipendija                    | 0         | 0  | 4HRZZ +<br>2 Projekt | 5 HRZZ +<br>1 Projekt | 4HRZZ +<br>3 Projekt | 7HRZZ +<br>5 Projekt | 1 Projekt  | 5 HRZZ +<br>2 Projekt | 2 Projekt   | 3HRZZ +<br>1 Projekt |
| Troškove snosi pravna osoba   | 0         | 5  | 1                    | 4                     | 0                    | 9                    | 8          | 12                    | 2           | 2                    |
| Samofinanciranje              | 3         | 5  | 1                    | 2                     | 2                    | 0                    | 13         | 7                     | 0           | 0                    |
| UKUPNO:                       | 4         | 13 | 8                    | 12                    | 10                   | 28                   | 27         | 38                    | 4           | 8                    |

Tablica 3.9.a. Analiza nezaposlenosti prema podacima Hrvatskog zavoda za zapošljavanje na dan 31. prosinac 2022.

| Razina obrazovanja<br>Obrazovni program   | prosinac 2015. |                             | prosinac 2016. |                             | prosinac 2017. |                             | prosinac 2018. |                             | prosinac 2019. |                             | prosinac 2020. |                             | prosinac 2021. |                             | prosinac 2022. |                             |
|---|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|
|   | Ukupno         | Od toga bez radnog iskustva | Ukupno         | Od toga bez radnog iskustva | Ukupno         | Od toga bez radnog iskustva | Ukupno         | Od toga bez radnog iskustva | 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  | 1              | 0                           | 3              | 2                           | 1              | 1                           | -              | -                           | 2              | 1                           | 1              | 1                           | 3              | 1                           | 0              | 0                           |
| (51300/52.012) Kemijsko inženjerstvo  | 6              | 4                           | 4              | 4                           | 2              | 1                           | 1              | 0                           | 2              | 0                           | 1              | 0                           | 0              | 0                           | 1              | 0                           |
| (51300/52.010) Kemija i inženjerstvo materijala   | 2              | 1                           | 0              | 0                           | -              | -                           | 1              | 0                           | 0              | 0                           | 0              | 0                           | 0              | 0                           | 0              | 0                           |
| (51300/44.012) Primijenjena kemija  | -              | -                           | -              | -                           | 1              | 1                           | -              | -                           | 0              | 0                           | 0              | 0                           | 0              | 0                           | 0              | 0                           |
| (4.5.3) diplomski sveučilišni studij 120 ECTS   |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |
| (51500/44.037) Primijenjena kemija; smjer: Kemija u zaštiti okoliša i izvori energije   | 3              | 1                           | 3              | 0                           | 3              | 2                           | 1              | 0                           | 1              | 0                           | 3              | 2                           | 2              | 2                           | 1              | 1                           |
| (51500/44.038) Primijenjena kemija; smjer: Primijenjena organska kemija                 | 5              | 3                           | 7              | 5                           | 6              | 4                           | 11             | 10                          | 9              | 6                           | 7              | 6                           | 9              | 5                           | 3              | 1                           |
| (51500/44.039) Primijenjena kemija; smjer: Specifični materijali i napredne tehnologije | 6              | 6                           | 8              | 6                           | 7              | 5                           | 0              | 0                           | 2              | 1                           | 3              | 3                           | 2              | 1                           | 4              | 0                           |
| (51500/52.005) Ekoinženjerstvo  | 13             | 8                           | 13             | 7                           | 23             | 13                          | 13             | 10                          | 14             | 7                           | 20             | 11                          | 14             | 6                           | 10             | 2                           |
| (51500/52.016) Kemija i inženjerstvo materijala   | 7              | 3                           | 7              | 4                           | 9              | 7                           | 10             | 6                           | 12             | 10                          | 17             | 10                          | 11             | 6                           | 10             | 5                           |
| (51500/52.018) Kemijsko inženjerstvo  | 18             | 13                          | 18             | 13                          | 18             | 14                          | 22             | 13                          | 13             | 9                           | 25             | 17                          | 14             | 9                           | 15             | 9                           |
| (4.1) Fakultet, akademija   |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |
| (51001/52.020) Kemijska tehnologija   | 46             | 3                           | 29             | 3                           | 25             | 2                           | 20             | 3                           | 15             | 2                           | 17             | 2                           | 20             | 4                           | 22             | 2                           |
| (4.6.4) poslijediplomski sveučilišni studij 180 ECTS                                    |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |                |                             |
| (60900/44.011) Inženjerska kemija   | 0              | 0                           | 1              | 0                           | 0              | 0                           | 1              | 0                           | 3              | 0                           | 1              | 0                           | 2              | 0                           | 0              | 0                           |
| (60900/52.023) Kemijsko inženjerstvo  | 1              | 0                           | 1              | 0                           | 0              | 0                           | 0              | 0                           | 2              | 0                           | 1              | 0                           | 0              | 0                           | 3              | 0                           |
| Ukupni zbroj  | 108            | 42                          | 98             | 45                          | 95             | 50                          | 80             | 42                          | 75             | 36                          | 96             | 52                          | 77             | 34                          | 69             | 20                          |

#### IV. NASTAVNIČKI I INSTITUCIJSKI KAPACITETI

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 u trajnom zvanju   | 23                              | 55                |  |                   |   |                   |                   |
| Redoviti profesori                    | 18                              | 49                |  |                   |   | 1                 | 56                |
| Izvanredni profesori                  | 9                               | 47                |  |                   |   |                   |                   |
| Docenti                               | 15                              | 38                |  |                   |   |                   |                   |
| Nastavna zvanja                       | 4                               | 53                |  |                   |   |                   |                   |
| Znanstveni savjetnik u trajnom zvanju |                                 |                   |  |                   |   |                   |                   |
| Znanstveni savjetnik                  |                                 |                   |  |                   |   |                   |                   |
| Viši znanstveni suradnik              |                                 |                   |  |                   |   |                   |                   |
| Znanstveni suradnik                   |                                 |                   |  |                   |   |                   |                   |
| Poslijedoktorandi (VN+HrZZ+EU)        | 14                              | 31                |  |                   |   |                   |                   |
| Asistenti (VN+HrZZ+EU projekt)        | 71                              | 28                |  |                   |   |                   |                   |
| Zaposlenici na projektima             |                                 |                   |  |                   |   |                   |                   |
| Stručni suradnici (HrZZ+EU prokekt)   |                                 |                   |  |                   |   |                   |                   |
| Znanstveni novaci                     |                                 |                   |  |                   |   |                   |                   |
| Tehničko osoblje                      | 22                              | 44                |  |                   |   |                   |                   |
| Administrativno osoblje               | 16                              | 52                |  |                   |   |                   |                   |
| Pomoćno osoblje                       | 17                              | 51                |  |                   |   |                   |                   |
| <b>Ukupno</b>                         | <b>209</b>                      | <b>44</b>         |  |                   |   | <b>1</b>          | <b>56</b>         |

\* Stanje 31. prosinca 2022.

**Tablica 4.2.** Dinamika zapošljavanja nastavnika u posljednjih pet godina

| <b>Godina</b> | <b>Broj novozaposlenih nastavnika</b> | <b>Broj novozaposlenih suradnika</b> | <b>Broj nastavnika kojima je završio radni odnos</b> |
|---------------|---------------------------------------|--------------------------------------|--|
| 2016./2017.   | 0                                     |                                      | 3  |
| 2017./2018.   | 3                                     |                                      | 0  |
| 2018./2019.   | 7                                     |                                      | 0  |
| 2019./2020.   | 0                                     |                                      | 3  |
| 2021./2022. * | 1                                     |                                      | 3  |

\* Stanje 31. prosinca 2022.

Tablica 4.3. Nastavnici i suradnici na visokom učilištu u akademskoj godini

| 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 (2021./2022.) | Opterećenje na vanjskim institucijama u radnim satima |
|----------------------|-----------------------------------|-------------------|---|-----------------------|-----------------------------------|------------------------|--|---|
| BABIĆ, SANDRA        | Redoviti profesor – trajno zvanje | dr. sc.           | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 16. 10. 2018.                     | 100                    |  |   |
| BOLANČA, TOMISLAV    | Redoviti profesor – trajno zvanje | dr. sc.           | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 28. 9. 2018.                      | 100                    |  | Sveučilište Sjever                                    |
| BOLF, NENAD          | Redoviti profesor – trajno zvanje | dr. sc.           | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 25.10.2022.                       | 100                    |  |   |
| FILIPAN, VELJKO      | Redoviti profesor – trajno zvanje | dr. sc.           | Fakultet strojarstva i brodogradnje           | strojarstvo           | 11. 10. 2016.                     | 100                    |  |   |
| GOVORČIN-BAJSIĆ, EMI | Redoviti profesor – trajno zvanje | dr. sc.           | Tehnološki fakultet                           | kemijsko inženjerstvo | 15. 5. 2018.                      | 100                    |  |   |
| HRNJAK-MURGIĆ, ZLATA | Redoviti profesor – trajno zvanje | dr. sc.           | Tehnološki fakultet                           | kemijsko inženjerstvo | 19. 4. 2016.                      | 100                    |  |   |
| IVANKOVIĆ, HRVOJE    | Redoviti profesor – trajno zvanje | dr. sc.           | Tehnološki fakultet                           | kemijsko inženjerstvo | 12. 4. 2011.                      | 100                    |  |   |
| IVANKOVIĆ, MARICA    | Redoviti profesor – trajno zvanje | dr. sc.           | Tehnološki fakultet                           | kemijsko inženjerstvo | 21. 12. 2010.                     | 100                    |  |   |
| JUKIĆ, ANTE          | Redoviti profesor – trajno zvanje | dr. sc.           | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 28. 9. 2018.                      | 100                    |  | Sveučilište Sjever                                    |
| KOŠUTIĆ, KREŠIMIR    | Redoviti profesor – trajno zvanje | dr. sc.           | Tehnološki fakultet                           | kemijsko inženjerstvo | 11. 10. 2016.                     | 100                    |  |   |
| KURAJICA, STANISLAV  | Redoviti profesor – trajno zvanje | dr. sc.           | Tehnološki fakultet                           | kemijsko inženjerstvo | 12. 2. 2013.                      | 100                    |  | Sveučilište u Dubrovniku                              |
| LESKOVAC, MIRELA     | Redoviti profesor – trajno zvanje | dr. sc.           | Tehnološki fakultet                           | kemijsko inženjerstvo | 12. 12. 2017.                     | 100                    |  |   |

|                         |                                   |         |   |                       |               |     |  |   |
|-------------------------|-----------------------------------|---------|---|-----------------------|---------------|-----|--|---|
| LONČARIĆ-BOŽIĆ, ANA     | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 24.5.2022..   | 100 |  |   |
| LUČIĆ BLAGOJEVIĆ, SANJA | Redoviti profesor – trajno zvanje | dr. sc. | Tehnološki fakultet                           | kemijsko inženjerstvo | 27. 2. 2018.  | 100 |  |   |
| MACAN, JELENA           | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 15.11.2022.   | 100 |  |   |
| MANDIĆ, ZORAN           | Redoviti profesor – trajno zvanje | dr. sc. | Tehnološki fakultet                           | kemijsko inženjerstvo | 24.5.2022.    | 100 |  |   |
| MARTINEZ, SANJA         | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 12. 12. 2017. | 100 |  |   |
| MATIJAŠIĆ, GORDANA      | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 13.9.2022..   | 100 |  |   |
| RAIĆ-MALIĆ, SILVANA     | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 11. 4. 2017.  | 100 |  | Hrvatsko vojno učilište "Dr. Franjo Tuđman" u Zagrebu |
| ROGOŠIĆ, MARKO          | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 19. 5. 2016.  | 100 |  |   |
| SANDER, ALEKSANDRA      | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 27. 2. 2018.  | 100 |  |   |
| ŠKORIĆ, IRENA           | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 24.5.2022.    | 100 |  |   |
| TOMAŠIĆ, VESNA          | Redoviti profesor – trajno zvanje | dr. sc. | Tehnološki fakultet                           | kemijsko inženjerstvo | 11. 10. 2016. | 100 |  |   |
| ZELIĆ, BRUNO            | Redoviti profesor – trajno zvanje | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 13. 6. 2017.  | 100 |  | Sveučilište Sjever                                    |

|                                   |                                |         |   |                            |              |     |  |   |
|-----------------------------------|--------------------------------|---------|---|----------------------------|--------------|-----|--|---|
| AŠPERGER,<br>DANIJELA             | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                     | 22. 1. 2019. | 100 |  | Hrvatsko vojno učilište "Dr. Franjo Tuđman" u Zagrebu |
| FINDRIK<br>BLAŽEVIĆ,<br>ZVJEZDANA | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo      | 27. 2. 2018. | 100 |  |   |
| GAZIVODA<br>KRALJEVIĆ,<br>TATJANA | Redoviti profesor – prvi izbor | dr. sc. | Prirodoslovno-matematički fakultet            | kemija                     | 24.5.2022.   | 100 |  | Sveučilište Sjever                                    |
| HRANJEC,<br>MARIJANA              | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                     | 27. 2. 2018. | 100 |  | Hrvatsko vojno učilište "Dr. Franjo Tuđman" u Zagrebu |
| KRALJIĆ<br>ROKOVIĆ,<br>MARIJANA   | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo      | 24.5.2022.   | 100 |  |   |
| KUŠIĆ, HRVOJE                     | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo      | 19.10.2021.  | 100 |  | Sveučilište Sjever                                    |
| MUTAVDŽIĆ<br>PAVLOVIĆ,<br>DRAGANA | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                     | 12. 6. 2018. | 100 |  | Hrvatsko vojno učilište "Dr. Franjo Tuđman" u Zagrebu |
| OTMAČIĆ<br>ČURKOVIĆ,<br>HELENA    | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo      | 24.5.2022.   | 100 |  |   |
| PRLIĆ KARDUM,<br>JASNA            | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo      | 14. 2. 2017. | 100 |  |   |
| STEINBERG,<br>IVANA               | Redoviti profesor – prvi izbor | dr. sc. | Karl – Franzes – Universität Graz, Austrija   | kemija                     | 19.10.2021.  | 100 |  |   |
| SUTLOVIĆ,<br>IGOR                 | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | temeljne tehničke znanosti | 14. 2. 2017. | 100 |  |   |
| ŠIPUŠIĆ, JURAJ                    | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog                            | kemijsko inženjerstvo      | 22.7.2022.   | 100 |  |   |



|                           |                                |         |   |                            |               |     |  |   |
|---------------------------|--------------------------------|---------|---|----------------------------|---------------|-----|--|---|
|                           |                                |         | inženjerstva i tehnologije                                      |                            |               |     |  |   |
| UKIĆ, ŠIME                | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemija                     | 25.10.2022.   | 100 |  |   |
| VIDOVIĆ, ELVIRA           | Redoviti profesor – prvi izbor | dr. sc. | Rheinisch – Westfälische Technische Hochschule Aachen, Njemačka | kemijsko inženjerstvo      | 12. 6. 2018.  | 100 |  |   |
| VRSALOVIĆ PRESEČKI, ANA   | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemijsko inženjerstvo      | 11. 12. 2018. | 100 |  |   |
| VRSALJKO, DOMAGOJ         | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemijsko inženjerstvo      | 19.10.2021.   | 100 |  |   |
| VUKOVIĆ DOMANOVAC, MARIJA | Redoviti profesor – prvi izbor | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemijsko inženjerstvo      | 27. 2. 2018.  | 100 |  | Hrvatsko vojno učilište "Dr. Franjo Tuđman" u Zagrebu |
| DANANIĆ, VLADIMIR         | Izvanredni profesor            | dr. sc. | Prirodoslovno–matematički fakultet                              | fizika                     | 13.7.2020.    | 100 |  |   |
| DEJANOVIĆ, IGOR           | Izvanredni profesor            | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemijsko inženjerstvo      | 13. 1. 2020.  | 100 |  |   |
| DOLAR, DAVOR              | Izvanredni profesor            | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemijsko inženjerstvo      | 2. 12. 2019.  | 100 |  |   |
| FARAGUNA, FABIO           | Izvanredni profesor            | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | temeljne tehničke znanosti | 10.10.2022.   | 100 |  |   |
| KOSAR, VANJA              | Izvanredni profesor            | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemijsko inženjerstvo      | 25.4.2022.    | 100 |  |   |
| KRATOFIL KREHULA, LJERKA  | Izvanredni profesor            | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije                   | kemijsko inženjerstvo      | 2.11.2020.    | 100 |  |   |

|                         |                        |         |  |                          |               |     |  |   |
|-------------------------|------------------------|---------|--|--------------------------|---------------|-----|--|---|
| KRIŠTAFOR,<br>SVJETLANA | Izvanredni<br>profesor | dr. sc. | Prirodoslovno-<br>matematički<br>fakultet              | kemija                   | 19. 2. 2019.  | 100 |  | Hrvatsko vojno<br>učilište "Dr.<br>Franjo<br>Tuđman" u<br>Zagrebu |
| MANDIĆ, VILKO           | Izvanredni<br>profesor | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                   | 19.10.2022.   | 100 |  | Hrvatsko vojno<br>učilište "Dr.<br>Franjo<br>Tuđman" u<br>Zagrebu |
| ŽIŽEK,<br>KRUNOSLAV     | Izvanredni<br>profesor | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 1. 10. 2018.  | 100 |  |   |
| BEGOVIĆ<br>KOVAČ, ERNA  | Docent                 | dr. sc. | Prirodoslovno-<br>matematički<br>fakultet              | matematika               | 20. 11. 2018. | 100 |  |   |
| CVETNIĆ,<br>MATIJA      | Docent                 | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                   | 14.12.2022.   | 100 |  |   |
| JERKOVIĆ,<br>MIROSLAV   | Docent                 | dr. sc. | Prirodoslovno-<br>matematički<br>fakultet              | matematika               | 30. 10. 2017. | 100 |  |   |
| KASSAL, PETAR           | Docent                 | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                   | 22. 5. 2019.  | 100 |  |   |
| KATANČIĆ,<br>ZVONIMIR   | Docent                 | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 4. 3. 2019.   | 100 |  |   |
| KATIĆ,<br>JOZEFINA      | Docent                 | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                   | 27. 9. 2018.  | 100 |  |   |
| KOVAČIĆ,<br>MARIN       | Docent                 | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 4. 3. 2019.   | 100 |  |   |
| KUČIĆ GRGIĆ<br>DAJANA   | Docent                 | dr. sc. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 10. 9. 2018.  | 100 |  |   |
| MOVRE ŠAPIĆ,<br>IVA     | Docent                 | dr. sc. | Prirodoslovno-<br>matematički<br>fakultet              | fizika                   | 15.10.2021.   | 100 |  |   |

|                               |                      |             |  |                                  |              |     |  |   |
|-------------------------------|----------------------|-------------|--|----------------------------------|--------------|-----|--|---|
| OCELIĆ<br>BULATOVIĆ,<br>VESNA | Docent               | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | interdiscipliniran<br>e znanosti | 1.4.2022.    | 100 |  |   |
| ROGINA,<br>ANAMARIJA          | Docent               | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | temeljne tehničke<br>znanosti    | 5. 11. 2018. | 100 |  |   |
| SUDAR,<br>MARTINA             | Docent               | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo         | 6. 5. 2019.  | 100 |  |   |
| ŠALIĆ, ANITA                  | Docent               | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo         | 7.6.2022.    | 100 |  |   |
| UJEVIĆ<br>ANDRIJIĆ,<br>ŽELJKA | Docent               | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo         | 6.5.2019.    | 100 |  |   |
| VUK, DRAGANA                  | Docent               | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                           | 23.3.2020.   | 100 |  | Hrvatsko vojno<br>učilište "Dr.<br>Franjo<br>Tuđman" u<br>Zagrebu |
| MARKIĆ,<br>MARINKO            | Viši predavač        | mr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo         | 22.10.2018.  | 100 |  |   |
| DEŠPALJ,<br>NAĐA              | Viši predavač        | dipl. angl. | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | filologija                       | 19.9.2022.   | 100 |  |   |
| FURAČ,<br>LIDIJA              | Viši predavač        | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                           | 22.10.2018.  | 100 |  |   |
| PERŠUN, JOSIPA                | Viši predavač        | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kineziologija                    | 26.1.2021.   | 100 |  |   |
| BAURER,<br>LEONARD            | Poslijedoktoran<br>d | dr. sc.     | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo         | 10.5.2021.   | 100 |  |   |
| DUPLANČIĆ,<br>MARINA          | Poslijedoktoran<br>d | dr. sc.     | Fakultet<br>kemijskog                                  | kemijsko<br>inženjerstvo         | 26. 2. 2019. | 100 |  |   |

|                             |                  |          |   |                       |              |     |  |  |
|-----------------------------|------------------|----------|---|-----------------------|--------------|-----|--|--|
|                             |                  |          | inženjerstva i tehnologije                    |                       |              |     |  |  |
| HERCEG, SREČKO              | Poslijedoktorand | dr. sc.  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 5.1.2022.    | 100 |  |  |
| LUKAČ, GORAN                | Poslijedoktorand | dr. sc.. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 10.5.2022.   | 100 |  |  |
| MARAČIĆ, SILVIJA            | Poslijedoktorand | dr. sc.  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 8. 11. 2019. | 100 |  |  |
| PETRAČIĆ, ANA               | Poslijedoktorand | dr. sc.  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 28.7.2022.   | 100 |  |  |
| ŠABIĆ RUNJAVEC, MONIKA      | Poslijedoktorand | dr. sc.  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 26.4.2021.   | 100 |  |  |
| VIDAK, ANDREJ               | Poslijedoktorand | dr. sc.  | BiH Univerzitet u Sarajevu                    | fizika                | 1. 10. 2019. | 100 |  |  |
| ZAGAJSKI KUČAN, KRISTINA    | Poslijedoktorand | dr. sc.  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 10.2.2021.   | 100 |  |  |
| BABIĆ VISKOVIĆ, BRUNAA2:I34 | Asistent         |          | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 9. 12. 2019. | 100 |  |  |
| BLAŽIĆ, ROKO                | Asistent         |          | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 6. 2. 2017.  | 100 |  |  |
| BOČEK PAVLINAC, IDA         | Asistent         |          | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 18. 2. 2019. | 100 |  |  |
| BRLEKOVIĆ, FILIP            | Asistent         |          | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 14. 5. 2018. | 100 |  |  |
| BUBNJAR, KARLO              | Asistent         |          | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 9.12.2022.   | 100 |  |  |

|                          |          |  |   |                       |               |     |  |  |
|--------------------------|----------|--|---|-----------------------|---------------|-----|--|--|
| ČURIĆ, IVA               | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 10.2.2021.    | 100 |  |  |
| KRULJAC, IVANA ELIZABETA | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 9. 12.2019.   | 100 |  |  |
| LOVRINČEVIĆ, VILMA       | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 13. 1. 2020.  | 100 |  |  |
| MARTINJAK, VIKTORIJA     | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 13. 1. 2020.  | 100 |  |  |
| MEHEŠ, MARIO             | Asistent |  |   | kemijsko inženjerstvo | 16.11.2021.   | 100 |  |  |
| MIHALINEC, GRGUR         | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 5.10.2022.    | 100 |  |  |
| MIKIĆ, DAJANA            | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 6. 3. 2017.   | 100 |  |  |
| MILOLOŽA, MARTINA        | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 18. 2. 2019.  | 100 |  |  |
| MLAKIĆ, MILENA           | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 19. 6. 2020.  | 100 |  |  |
| MOROVIĆ, SILVIA          | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 22. 10. 2019. | 100 |  |  |
| MUŽINA, KATARINA         | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 6. 3. 2017.   | 100 |  |  |
| PAPAC ZJAČIĆ, JOSIPA     | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 16.4.2018.    | 100 |  |  |
| PERŠIĆ, ANA              | Asistent |  | Fakultet kemijskog                            | kemijsko inženjerstvo | 6. 2. 2017.   | 100 |  |  |

|                     |          |  |   |                       |               |     |  |  |
|---------------------|----------|--|---|-----------------------|---------------|-----|--|--|
|                     |          |  | inženjerstva i tehnologije                    |                       |               |     |  |  |
| PIŠKOR, MARTINA     | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 9. 12. 2019.  | 100 |  |  |
| PREBEG, TEODORA     | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 13.12.2021.   | 100 |  |  |
| PRŠIR, KRISTINA     | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 1. 10. 2015.  | 100 |  |  |
| RIMAC, NIKOLA       | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 1. 10. 2019.  | 100 |  |  |
| SACHER, JOSIP       | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 10.2.2021.    | 100 |  |  |
| SEJDIĆ, MARKO       | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 44839         | 100 |  |  |
| SKENDROVIĆ, DINO    | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 3. 1. 2019.   | 100 |  |  |
| SOKAČ, KATARINA     | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 10.5.20221    | 100 |  |  |
| SOKOL, IVANA        | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 16. 4. 2018.  | 100 |  |  |
| ŠOIĆ, IVANA         | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 16. 4. 2018.  | 100 |  |  |
| TOLIĆ ČOP, KRISTINA | Asistent |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 1. 12. 2017.  | 100 |  |  |
| TONKOVIĆ, STEFANI   | Asistent |  | Fakultet kemijskog                            | kemijsko inženjerstvo | 21. 10. 2020. | 100 |  |  |

|                       |                                 |         |   |                       |              |     |  |  |
|-----------------------|---------------------------------|---------|---|-----------------------|--------------|-----|--|--|
|                       |                                 |         | inženjerstva i tehnologije                    |                       |              |     |  |  |
| VLAHEK ŠTOK, ANDREJA  | Asistent                        |         | Prirodoslovno-matematički fakultet            | matematika            | 1. 12. 2017. | 100 |  |  |
| ZOKIĆ, IVA            | Asistent                        |         | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 13.12.2021.  | 100 |  |  |
| ŽUŽIĆ, ANDREJA        | Asistent                        |         | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 13. 1. 2020. | 100 |  |  |
| IVANIŠEVIĆ, IRENA     | Poslijedoktorand - HrZZ         | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 1.4.2022.    | 100 |  |  |
| JUROV, ANDREA         | Poslijedoktorand na EU projektu | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 16.2.2022.   | 100 |  |  |
| MILOVAC LERGA, DAJANA | Poslijedoktorand na EU projektu | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 8.11.2022.   | 100 |  |  |
| PANŽIĆ, IVANA         | Poslijedoktorand na EU projektu | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 22.2.2021.   | 100 |  |  |
| ZLATIĆ, KATARINA      | Poslijedoktorand - HrZZ         | dr. sc. | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 23.11.2022.  | 100 |  |  |
| ANELIĆ, RAFAEL        | Asistent - doktorand            |         | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 21.11.2022.  | 100 |  |  |
| BAFTI, ARIJETA        | Asistent - doktorand HrZZ       |         | Prirodoslovno-matematički fakultet            | kemija                | 10. 9. 2020. | 100 |  |  |
| BEAR, INES            | Asistent - HrZZ                 |         | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 1.8.2021.    | 100 |  |  |
| BEČ, ANJA             | Asistent - doktorand HrZZ       |         | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 18.2.2019.   | 100 |  |  |

|                            |                              |  |  |                          |             |     |  |  |
|----------------------------|------------------------------|--|--|--------------------------|-------------|-----|--|--|
| BOŽIČEVIĆ,<br>MARIN        | Asistent –<br>doktorand HrZZ |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 28.10.2020. | 100 |  |  |
| BULE MOŽAR,<br>KRISTINA    | Asistent –<br>doktorand HrZZ |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 15.9.2020.  | 100 |  |  |
| ČAKAR<br>MEHMET<br>MERVAN  | Asistent -<br>doktorand      |  |  | kemijsko<br>inženjerstvo | 15.11.2021. | 100 |  |  |
| CAR, FILIP                 | Asistent –<br>doktorand HrZZ |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 11.2.2019.  | 100 |  |  |
| CINGESAR,<br>IVAN KARLO    | Asistent –<br>doktorand HrZZ |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 10.9.2020.  | 100 |  |  |
| ČEVID, IVANA               | Asistent –<br>doktorand      |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 26.10.2020. | 100 |  |  |
| DORNJAK,<br>LUKA           | Asistent -HrZZ               |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 1.8.2021.   | 100 |  |  |
| ERCEGOVIĆ,<br>MATEJ        | Asistent -<br>doktorand      |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 1.6.2021.   | 100 |  |  |
| FIKET, LUCIJA              | Asistent –<br>doktorand HrZZ |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                   | 28.10.2020. | 100 |  |  |
| GAVRAN,<br>MATEA           | Asistent -<br>doktorand      |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 5.1.2021.   | 100 |  |  |
| GOTOVUŠA,<br>MIA           | Asistent –<br>doktorand HrZZ |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 28.10.2020. | 100 |  |  |
| IVKOVIĆ, IVANA<br>KATARINA | Asistent –<br>doktorand HrZZ |  | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 11.2.2019.  | 100 |  |  |



|                             |                              |         |  |                          |              |     |  |  |
|-----------------------------|------------------------------|---------|--|--------------------------|--------------|-----|--|--|
| JAKOPEC,<br>SILVIO          | Asistent –<br>doktorand      |         | Prirodoslovno-<br>matematički<br>fakultet              | kemija                   | 20.8.2020.   | 100 |  |  |
| KAPITANOVIĆ,<br>ANGELA      | Asistent –<br>doktorand HrZZ |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 10.9.2020.   | 100 |  |  |
| KRIVAČIĆ, SARA              | Asistent - HrZZ              |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemija                   | 6.4.2021.    | 100 |  |  |
| LASIĆ, LUKA                 | Stručni suradnik             | mr. sc. | Prirodoslovno-<br>matematički<br>fakultet              | matematika               | 25. 9. 1995. | 100 |  |  |
| LEAKOVIĆ,<br>EMERIK         | Asistent -<br>doktorand      |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjersvo  | 16.7.2021.   | 100 |  |  |
| LONČAREVIĆ,<br>ANDREA       | Asistent - HrZZ              |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjersvo  | 6.4.2021.    | 100 |  |  |
| MARKOVIĆ,<br>MARIJAN - PERE | Asistent - HrZZ              |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjersvo  | 1.8.2021.    | 100 |  |  |
| MATEŠA,<br>LORENA           | Asistent -<br>doktorand      |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjersvo  | 16.7.2021.   | 100 |  |  |
| MEDIĆ,<br>MIHOVIL           | Asistent -<br>doktorand      |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjersvo  | 2.2.2021.    | 100 |  |  |
| MILČIĆ,<br>NEVENA           | Asistent –<br>doktorand HrZZ |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 1.4.2019.    | 100 |  |  |
| PERKOVIĆ, ANA               | Asistent –<br>doktorand HrZZ |         | Prirodoslovno-<br>matematički<br>fakultet              | matematika               | 28.10.2020.  | 100 |  |  |
| PEROVIĆ,<br>KLARA           | Asistent –<br>doktorand HrZZ |         | Fakultet<br>kemijskog<br>inženjerstva i<br>tehnologije | kemijsko<br>inženjerstvo | 11.2.2019.   | 100 |  |  |
| PUCKO, IVAN                 | Asistent –<br>doktorand HrZZ |         | Fakultet<br>kemijskog                                  | kemijsko<br>inženjerstvo | 28.10.2020.  | 100 |  |  |

|                            |                           |  |   |                       |             |     |  |  |
|----------------------------|---------------------------|--|---|-----------------------|-------------|-----|--|--|
|                            |                           |  | inženjerstva i tehnologije                    |                       |             |     |  |  |
| PULITIKA, ANAMARIJA        | Asistent - HrZZ           |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjersvo  | 1.8.2021.   | 100 |  |  |
| RADIĆ, GABRIJELA           | Asistent – doktorand HrZZ |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 10.9.2020.  | 100 |  |  |
| RADOVANOVIĆ -PERIĆ, FLOREN | Asistent - HrZZ           |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjersvo  | 1.2.2021.   | 100 |  |  |
| RAKAS, ANJA                | Asistent – doktorand HrZZ |  | Prirodoslovno-matematički fakultet            | kemija                | 28.10.2020. | 100 |  |  |
| REP KAULIĆ, VALENTINA      | Asistent – doktorand HrZZ |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 18.2.2019.  | 100 |  |  |
| RUKAVINA, MARKO            | Asistent - Hrzz           |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjersvo  | 21.2.2022.  | 100 |  |  |
| SUŠAC, KRISTINA            | Asistent - doktorand      |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjerstvo | 21.10.2020. | 100 |  |  |
| ŠEKORANJA, LUCIJA          | Asistent - doktorand      |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjersvo  | 2.2.2021.   | 100 |  |  |
| ŠPOLJARIĆ, ANDREA          | Asistent - HrZZ           |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjersvo  | 20.10.2021. | 100 |  |  |
| ŠTEFANOVIĆ, ELZA           | znanstveni suradnik       |  | Fakultet kemijskog inženjerstva i tehnologije | kemijsko inženjersvo  | 2.11.2021.  | 100 |  |  |
| ZUBAK, MARKO               | Asistent - HrZZ           |  | Fakultet kemijskog inženjerstva i tehnologije | kemija                | 26.10.2021. | 100 |  |  |

\* Stanje 31. prosinca 2022.

Tablica 4.4. Dinamika zapošljavanja nastavnika u posljednjih pet godina

| Godina      | Broj novozaposlenih nastavnika | Broj nastavnika kojima je završio radni odnos |
|-------------|--------------------------------|---|
| 2017./2018. | 3                              | 0   |
| 2018./2019. | 7                              | 0   |
| 2019./2020. | 0                              | 3   |
| 2020./2021. | 0                              | 1   |
| 2021./2022. | 1                              | 1   |

\* Stanje 31. prosinca 2022.

Tablica 4.5. Mobilnost nastavnika i suradnika u zadnjih 5 akademskih godina

| Vrsta mobilnosti            |            | Odlazna mobilnost |                  | Dolazna mobilnost |                  |
|-----------------------------|------------|-------------------|------------------|-------------------|------------------|
|                             |            | do 3 mjeseca      | 3 i više mjeseci | do 3 mjeseca      | 3 i više mjeseci |
| 2015./2016.-<br>2020./2021. | Stručna    | 3                 | -                | -                 | -                |
|                             | Znanstvena | 23                | 6                | 13                | 0                |
| 2021./2022.                 | Stručna    | 2                 | -                | -                 | -                |
|                             | Znanstvena | 4                 | 2                | 17                | -                |
| 2022./2023.                 | Stručna    | 1                 | 0                | 2                 | 0                |
|                             | Znanstvena | 7                 | 4                | 4                 | 2                |

Tablica 4.6. Mobilnost nenastavnog osoblja u zadnjih 5 akademskih godina

|                         | Broj stručnih boravaka nenastavnog osoblja ovog visokog učilišta u inozemstvu |                  |
|-------------------------|---|------------------|
|                         | do 3 mjeseca  | 3 i više mjeseci |
| 2015./2016.-2020./2021. | 1   | 0                |
| 2021./2022.             | 0   | 0                |
| 2022./2023.             | 0   | 0                |

Tablica 4.8. Prostorni kapacitet i opremljenost prostora računalnom opremom

|   |                                  | broj/broj računala | Kvadrati                        |
|---|----------------------------------|--------------------|---------------------------------|
| A | Predavaonice                     | 15/15 + 60 NB      | 670 + 3 Vijećnice u Zagrepčanki |
| B | Nastavni laboratoriji/praktikumi | 45/88              | 2373                            |
| C | Radilišta                        | -/-                | -                               |
| C | Informatičke učionice            | 2/31               | 118                             |
| C | Znanstveni laboratoriji          | 7/14               | 178                             |
| C | Prostorije za studente           | 2/2                | 86                              |
| D | Nastavnički kabineti             | 97/237             | 1650                            |
|   | <b>UKUPNO</b>                    | <b>168/447</b>     | 5075 + Savska 41                |

Tablica 4.9. Kapitalna oprema

Kapitalna oprema prikazana je u tablici po vrstama temeljem Pravilnika o proračunskom računovodstvu i računskom planu. Ulaganjem u unapređenje djelatnosti fakultet obnavlja računalnu i uredsku opremu najvećim dijelom angažiranjem vlastitih prihoda ustanove. Nabavljena laboratorijska oprema financirana je većim dijelom iz namjenskih prihoda za rad na projektima sredstvima Hrvatske zaklade za znanost, te dijelom iz prihoda po EU projektima.

| Naziv instrumenta (opreme)                          | Nabavna vrijednost (kn) | Godina nabave |
|---|-------------------------|---------------|
| Skener s popratnom opremom                          | 108.405,11              | 2022.         |
| Uređaj za rad u zaštitnoj atmosferi                 | 38.821,42               | 2022.         |
| Procesni spektrometar                               | 77.808,75               | 2022.         |
| Mikroskop visoke rezolucije s popratnom opremom     | 277.722,48              | 2022.         |
| Uređaj za automatsko određivanje maglišta i tecišta | 41.890,64               | 2022.         |
| Višedetektorski GPCV – DRI - LS                     | 174.639,99              | 2022.         |
| Ultra razlučivi DNA                                 | 137.563,71              | 2022.         |
| Oprema za istraživanje                              | 63.922,85               | 2022.         |
| Višefunkcionalni čitač mikrotitarskih pločica       | 33.105,58               | 2022.         |
| Fluorescentni pretražni mikroskop                   | 174.027,81              | 2022.         |
| Uređaj za rad u zaštitnoj atmosferi                 | 36.174,60               | 2022.         |

- U tablicu se piše oprema čija nabavna vrijednost prelazi 26.544,57 eura

Tablica 4.10. Opremljenost knjižnice.

|   |         |
|---|---------|
| Ukupna površina (u m <sup>2</sup> )   | 196     |
| Broj zaposlenog stručnog knjižničnog osoblja u knjižnici (VU)                         | 1       |
| Ukupan broj svezaka knjiga  | 125.283 |
| Čitaonica u sklopu knjižnice (broj / kvadrata)  | 14/-    |
| Ukupan broj naslova udžbenika obvezne literature                                      | 78      |
| Ukupan broj svezaka udžbenika obvezne literature                                      | 561     |
| Ukupan broj tiskanih inozemnih časopisa koje knjižnica ima u fondu                    | 383     |
| Ukupan broj tiskanih domaćih časopisa koje knjižnica ima u fondu                      | 50      |
| Broj elektroničkih časopisa s cjelovitim tekstom kojima institucija osigurava pristup | 36.609  |
| Broj bibliografskih baza financiranih sredstvima sveučilišta/institucije              | 0       |

Tablica 4.11. Financijska evaluacija – prihodi

|       |  | 2020. kalendarska godina (u Eur) | 2021. kalendarska godina (u Eur) | 2022. kalendarska godina (u Eur) |
|-------|--|----------------------------------|----------------------------------|----------------------------------|
|       | PRIHODI  |                                  |                                  |                                  |
| 1.    | PRIHODI IZ DRŽAVNOG PRORAČUNA                      | 6.007.898                        | 7.133.326                        | <b>9.993.507</b>                 |
| 1.1.  | Plaće za zaposlene                                 | 4.164.202                        | 4.291.406                        | 4.393.687                        |
| 1.2.  | Troškovi poslovanja (uključivo i terenska nastava) | 91.272                           | 100.560                          | 0                                |
| 1.3.  | Vanjska suradnja u nastavi                         | 0                                | 0                                | 0                                |
| 1.4.  | Domaći znanstveni projekti                         | 560.493                          | 2.092.248                        | 964.403                          |
| 1.5.  | Međunarodni znanstveni projekti                    | 561.883                          | 63.566                           | 3.899.868                        |
| 1.6.  | Međunarodna suradnja                               | 0                                | 0                                | 0                                |
| 1.7.  | Organizacija znanstvenih skupova                   | 0                                | 0                                | 0                                |
| 1.8.  | Nabava časopisa                                    | 0                                | 0                                | 0                                |
| 1.9.  | Tekuće održavanje                                  | 0                                | 0                                | 0                                |
| 1.10. | Izgradnja i investicijsko održavanje               | 102.365                          | 19.908                           | 0                                |
| 1.11. | Oprema   | 0                                | 0                                | 0                                |
| 1.12. | Ukupno ostale vrste prihoda                        | 527.683                          | 565.639                          | 735.549                          |
|       |  | 0                                | 0                                | 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 (primjerice Hrvatska zaklada za znanost)                        | 0         | 0         | 0          |
| 2.3. | Ukupno ostale vrste  | 0         | 0         | 0          |
| 3.   | PRIHODI OD KAMATA  | 71        | 89        | 20         |
|      |  | 0         | 0         | 0          |
| 4.   | PRIHODI OD VLASTITE DJELATNOSTI  | 234.957   | 442.025   | 508.587    |
| 4.1. | Školarine – poslijediplomske specijalističke   | 22.829    | 57.336    | 14.467     |
| 4.2. | Školarine – poslijediplomske doktorske   | 20.001    | 24.686    | 31.522     |
| 4.3. | Znanstveni projekti  | 0         | 0         | 0          |
| 4.4. | Stručni projekti   | 531       | 1.633     | 18.835     |
| 4.5. | Prihodi od najma   | 17.255    | 20.047    | 12.558     |
| 4.6. | Ukupno ostale vrste prihoda  | 174.341   | 338.323   | 431.205    |
|      |  | 0         | 0         | 0          |
| 5.   | PRIHODI PO POSEBNIM PROPISIMA  | 249.938   | 1.094.704 | 379.209    |
| 5.1. | Školarine – preddiplomske, diplomske, stručne  | 176.535   | 176.500   | 214.983    |
| 5.2. | Dodatna provjera posebnih znanja, vještina i sposobnosti (ako se provodi uz ispite državne mature) | 0         | 0         | 00         |
| 5.3. | Naknade za upis  | 13.662    | 16.205    | 11.327     |
| 5.4. | Izdavačka djelatnost   | 0         | 0         | 0          |
| 5.5. | Naplate studentskih molbi, potvrđnica, diplome, indeksi itd.                                       | 14.692    | 18.238    | 14.764     |
| 5.6. | Ukupno ostale vrste prihoda  | 45.049    | 883.761   | 138.135    |
|      |  | 0         | 0         | 0          |
| 6.   | OSTALI NESPOMENUTI PRIHODI   | 2.161     | 2.124     | 799        |
|      |  | 0         | 0         | 0          |
| A    | UKUPNO PRIHODI   | 6.495.025 | 8.672.268 | 10.882.122 |

Tablica 4.12. Financijska evaluacija - rashodi

|      |   | 2020. kalendarska godina (u Eur) | 2021. kalendarska godina (u Eur) | 2022. kalendarska godina (u Eur) |
|------|---|----------------------------------|----------------------------------|----------------------------------|
|      | RASHODI   |                                  |                                  |                                  |
| 1.   | RASHODI ZA ZAPOSLENE                                      | 4.854.308                        | 5.439.601                        | 5.672.351                        |
| 1.1. | Plaće za zaposlene  | 4.022.933                        | 4.421.307                        | 4.681.574                        |
| 1.2. | Vanjska suradnja u nastavi                                | 0                                | 0                                | 0                                |
| 1.3. | Ukupno ostalo   | 831.375                          | 1018.294                         | 990.777                          |
|      |   | 0                                | 0                                | 0                                |
| 2.   | RASHODI ZA MATERIJAL I ENERGIJU                           | 351.964                          | 500.804                          | 712.937                          |
| 2.1. | Uredski materijal i ostali materijalni rashodi            | 83.925                           | 109.493                          | 89.985                           |
| 2.2. | Laboratorijski materijal                                  | 90.958                           | 60.709                           | 307.697                          |
| 2.3. | Energija  | 75.114                           | 54.766                           | 224.683                          |
| 2.4. | Materijal i dijelovi za tekuće i investicijsko održavanje | 46.376                           | 41.521                           | 71.241                           |
| 2.5. | Sitni inventar  | 51.560                           | 51.394                           | 14.452                           |
| 2.6. | Ukupno ostalo   | 4.031                            | 182.921                          | 4.879                            |
|      |   | 0                                | 0                                | 0                                |
| 3.   | RASHODI ZA USLUGE   | 769.664                          | 595.921                          | 956.905                          |
| 3.1. | Telefon, pošta, prijevoz                                  | 15.682                           | 16.833                           | 27.883                           |
| 3.2. | Usluge tekućeg i investicijskog održavanja                | 473.927                          | 90.399                           | 134.919                          |

|       |   |           |           |                   |
|-------|---|-----------|-----------|-------------------|
| 3.3.  | Promidžba i informiranje                                  | 20.626    | 21.998    | 17.378            |
| 3.4.  | Komunalne usluge  | 49.035    | 61.150    | 75.865            |
| 3.5.  | Zakup, najam  | 29.623    | 24.779    | 204.292           |
| 3.6.  | Intelektualne i osobne usluge (ugovori o djelu, honorari) | 73.350    | 265.744   | 237.705           |
| 3.7.  | Računalne usluge  | 16.719    | 32.721    | 40.395            |
| 3.8.  | Ukupno ostalo   | 90.702    | 82.298    | 218.468           |
|       |   | 0         | 0         | 0                 |
| 4.    | RASHODI ZA NEFINANCIJSKU IMOVINU                          | 959.652   | 775.765   | <b>3.276.447</b>  |
| 4.1.  | Poslovni objekti  | 0         | 0         | 0                 |
| 4.2.  | Računalna oprema  | 69.707    | 49.325    | 123.401           |
| 4.3.  | Laboratorijska oprema                                     | 863.973   | 712.426   | 1.298.021         |
| 4.4.  | Uredska oprema  | 11.405    | 3.601     | 5.804             |
| 4.5.  | Komunikacijska oprema                                     | 0         | 0         | 0                 |
| 4.6.  | Ostala oprema   | 12.552    | 9.228     | 8.432             |
| 4.7.  | Literatura  | 2.015     | 1.185     | 1.162             |
| 4.8.  | Ulaganja u postrojenja, strojeve i ostalu opremu          | 0         | 0         | 0                 |
| 4.9.  | Dodatna ulaganja na građevinskim objektima                | 0         | 0         | 1.839.627         |
| 4.10. | Ukupno ostalo   | 0         | 0         | 0                 |
|       |   | 0         | 0         | 0                 |
| 5.    | NAKNADE TROŠKOVA ZAPOSLENIMA                              | 160.306   | 252.438   | <b>466.462</b>    |
| 5.1.  | Službena putovanja  | 25.052    | 54.200    | 214.905           |
| 5.2.  | Stručna usavršavanja                                      | 25.591    | 48.293    | 90.735            |
| 5.3.  | Ukupno ostalo uključujući i troškove prijevoza            | 109.663   | 149.945   | 160.822           |
|       |   | 0         | 0         | 0                 |
| 6.    | OSTALI NESPOMENUTI RASHODI POSLOVANJA                     | 76.067    | 175.416   | <b>194.488</b>    |
| 6.1.  | Premije osiguranja  | 9.053     | 9.789     | 9.369             |
| 6.2.  | Reprezentacija  | 4.058     | 10.455    | 26.709            |
| 6.3.  | Članarine   | 23.537    | 6.756     | 3.624             |
| 6.4.  | Bankarske i usluge platnog prometa                        | 3.046     | 3.862     | 5.415             |
| 6.5.  | Kamate  | 1         | 109       | 13                |
| 6.6.  | Ostali financijski izdaci                                 | 36.372    | 144.445   | 149.358           |
| A     | UKUPNI RASHODI  | 7.171.961 | 7.739.945 | <b>11.279.590</b> |

Tablice koje slijede nisu sastavni dio MOZVAG-a

Tablica 4.13b. Vanjski angažman nastavnika Fakulteta u nastavi drugih učilišta u zadnjih 5 godina

| Nastavnik   | Akademski godina<br>Kolegij  | Naziv vanjskog učilišta   | Broj sati   |
|---|--|---|---|
| Prof. dr. sc.<br>Danijela Ašperger                  | 2016./2017.<br>Instrumentalna analitička<br>kemija                         | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja i 7 sati vježbi<br>u zimskom semestru  |
|   | 2018./2019.<br>Suvremene metode analize i<br>određivanje strukture spojeva | Diplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu     | 16 sati predavanja<br>u zimskom semestru                  |
|   | 2019./2020.<br>Instrumentalna analitička<br>kemija                         | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja<br>u zimskom semestru                  |
|   | 2021./2022.<br>Suvremene metode analize i<br>određivanje strukture spojeva | Diplomski sveučilišni studij Vojno<br>inženjerstvo<br>Sveučilišta u Zagrebu     | 7 sati predavanja i 10 sati vježbi                        |
| Prof. dr. sc.<br>Tomislav Bolanča                   | 2019./2020.  | Sveučilište Sjever  |   |
| Dr. sc. Lidija Furač,<br>viši predavač              | 2018./2019.<br>Kemija  | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 60 sati predavanja i 8 sati vježbi<br>u ljetnom semestru  |
| Izv. prof. dr. sc.<br>Tatjana Gazivoda<br>Kraljević | 2016./2017.<br>Organska kemija   | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja<br>u zimskom semestru                  |
|   | 2017./2018.<br>Primijenjena organska kemija                                | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja<br>u ljetnom semestru                  |
|   | 2018./2019.<br>Suvremene metode analize i<br>određivanje strukture spojeva | Diplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu     | 8 sati predavanja<br>u zimskom semestru                   |
|   | 2019./2020.<br>Organska kemija   | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja<br>u zimskom semestru                  |
|   | 2019./2020.  | Sveučilište Sjever  |   |
|   | 2020./2021.<br>Primijenjena organska kemija                                | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja  |
|   | 2021./2022.<br>Primijenjena organska kemija                                | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja  |
|   | 2021./2022.<br>Suvremene metode analize i<br>određivanje strukture spojeva | Diplomski sveučilišni studij Vojno<br>inženjerstvo<br>Sveučilišta u Zagrebu     | 7 sati seminara   |
| Prof. dr. sc.<br>Marijana Hranjec                   | 2016./2017.<br>Organska kemija   | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja<br>u zimskom semestru                  |
|   | 2017./2018.<br>Primijenjena organska kemija                                | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja<br>u ljetnom semestru                  |
|   | 2018./2019.<br>Suvremene metode analize i<br>određivanje strukture spojeva | Diplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu     | 14 sati predavanja<br>u zimskom semestru                  |
|   | 2020./2021.<br>Primijenjena organska kemija                                | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja  |
|   | 2021./2022.<br>Primijenjena organska kemija                                | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja  |
|   | 2021./2022.<br>Suvremene metode analize i<br>određivanje strukture spojeva | Diplomski sveučilišni studij Vojno<br>inženjerstvo<br>Sveučilišta u Zagrebu     | 7 sati predavanja   |
| Prof. dr. sc. Hrvoje<br>Ivanković                   | 2016./2017.<br>Osnove kemijskog<br>inženjerstva                            | Prirodoslovno-matematički<br>fakultet<br>Sveučilišta u Zagrebu                  | 30 sati predavanja i 15 sati vježbi u<br>ljetnom semestru |
|   | 2017./2018.<br>Osnove kemijskog<br>inženjerstva                            | Prirodoslovno-matematički<br>fakultet<br>Sveučilišta u Zagrebu                  | 30 sati predavanja i 15 sati vježbi u<br>ljetnom semestru |
| Prof. dr. sc. Ante<br>Jukić                         | 2019./2020.<br>Razvojni trendovi ambalažnih<br>materijala                  | Diplomski sveučilišni studij<br>Ambalaža<br>Sveučilište Sjever                  | 30 sati predavanja i 15 sati seminara                     |

| Nastavnik                                      | Akadska godina<br>Kolegij   | Naziv vanjskog učilišta   | Broj sati   |
|--|---|---|---|
| Izv. prof. dr. sc.<br>Svjetlana Krištafor      | 2018./2019.<br>Suvremene metode analize i određivanje strukture spojeva | Diplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu     | 16 sati predavanja<br>u zimskom semestru                    |
|  | 2018./2019.<br>Kemija   | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 60 sati predavanja<br>u ljetnom semestru                    |
|  | 2021./2022.<br>Suvremene metode analize i određivanje strukture spojeva | Diplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu     | 8 sati predavanja   |
| Prof. dr. sc.<br>Stanislav Kurajica            | 2016./2017.<br>Tehnologija materijala - metal i keramika                | Preddiplomski Studij restauracije i konzervacije<br>Sveučilišta u Dubrovniku    | 30 sati predavanja<br>u zimskom semestru                    |
|  | 2017./2018.<br>Tehnologija materijala - metal i keramika                | Preddiplomski Studij restauracije i konzervacije<br>Sveučilišta u Dubrovniku    | 30 sati predavanja<br>u zimskom semestru                    |
|  | 2018./2019.<br>Tehnologija materijala - metal i keramika                | Preddiplomski Studij Konzervacija-restauracije<br>Sveučilišta u Dubrovniku      | 30 sati predavanja<br>u zimskom semestru                    |
|  | 2019./2020.<br>Tehnologija materijala - metal i keramika                | Preddiplomski Studij restauracije i konzervacije<br>Sveučilišta u Dubrovniku    | 30 sati predavanja<br>u zimskom semestru                    |
|  | 2021./2022.<br>Uvod u materijale i tehnologiju metala                   | Preddiplomski studij Konzervacija – restauracija Sveučilišta u Dubrovniku       | 30 sati predavanja u ljetnom semestru                       |
|  | 2021./2022.<br>Uvod u materijale i tehnologiju keramike                 | Preddiplomski studij Konzervacija – restauracija Sveučilišta u Dubrovniku       | 30 sati predavanja u ljetnom semestru                       |
| Izv. prof. dr. sc.<br>Hrvoje Kušić             | 2019./2020.   | Sveučilište Sjever  |   |
| Prof. dr. sc.<br>Dragana Mutavdžić<br>Pavlović | 2016./2017.<br>Instrumentalna analitička kemija                         | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja i 7 sati vježbi<br>u zimskom semestru    |
|  | 2018./2019.<br>Suvremene metode analize i određivanje strukture spojeva | Diplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu     | 14 sati predavanja<br>u zimskom semestru                    |
|  | 2019./2020.<br>Instrumentalna analitička kemija                         | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja<br>u zimskom semestru                    |
|  | 2021./2022.<br>Suvremene metode analize i određivanje strukture spojeva | Diplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu     | 8 sati predavanja i 10 sati vježbi                          |
| izv., prof. dr. sc.<br>Vilko Mandić            | 2017./2018.<br>Upravljanje u kriznim NBKO situacijama                   | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja<br>u ljetnom semestru                    |
|  | 2017./2018.<br>Toksične industrijske tvari                              | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja<br>u ljetnom semestru                    |
|  | 2017./2018.<br>NBK zaštita  | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja i 15 sati seminara<br>u ljetnom semestru |
|  | 2017./2018.<br>RBK detekcija, identifikacija i monitoring               | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 45 sati predavanja i 15 sati seminara<br>u ljetnom semestru |
|  | 2020./2021.<br>NBK zaštita  | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja i 7 sati seminara                        |
|  | 2020./2021.<br>RBK detekcija, identifikacija i monitoring               | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 45 sati predavanja  |
|  | 2020./2021.<br>Toksične industrijske tvari                              | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja i 8 sati vježbi                          |
|  | 2020./2021.<br>Upravljanje kriznim NBKO situacijama                     | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 30 sati predavanja  |
| Prof. dr. sc. Silvana Raić-Malić               | 2016./2017.<br>Nuklearno biološko kemijsko oružje                       | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 50 sati predavanja<br>u ljetnom semestru                    |
|  | 2019./2020.<br>Organska kemija  | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu | 15 sati predavanja<br>u zimskom semestru                    |



| Nastavnik   | Akadska godina<br>Kolegij                            | Naziv vanjskog učilišta   | Broj sati   |
|---|--|---|---|
| Doc. dr. sc.<br>Dragana Vuk                       | 2016./2017.<br>Nuklearno biološko kemijsko<br>oružje | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu   | 50 sati predavanja<br>u ljetnom semestru              |
|   | 2016./2017.<br>Organska kemija                       | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu   | 22,5 sati seminara<br>u zimskom semestru              |
|   | 2019./2020.<br>Organska kemija                       | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu   | 15 sati seminara<br>u zimskom semestru                |
|   | 2019./2020.<br>NBK ORUŽJE                            | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu   | 50 sati predavanja<br>u zimskom semestru              |
| Izv. prof. dr. sc.<br>Marija Vuković<br>Domanovac | 2016./2017.<br>Nuklearno biološko kemijsko<br>oružje | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu   | 50 sati predavanja<br>u zimskom semestru              |
|   | 2019./2020.<br>NBK ORUŽJE                            | Preddiplomski sveučilišni studij<br>Vojno inženjerstvo<br>Sveučilišta u Zagrebu   | 25 sati predavanja<br>u zimskom semestru              |
| Prof. dr. sc. Bruno<br>Zelić                      | 2019./2020.  | Sveučilište Sjever  |   |
| Nađa Dešpalj, dipl.<br>ang.                       | 2021./2022.<br>Engleski jezik u graditeljstvu<br>II  | Tehničko veleučilište u Zagrebu   | 1 sat predavanja i 4 sata<br>auditornih vježbi tjedno |
| izv. prof. dr. sc.<br>Vesna Očelić<br>Bulatović   | 2021./2022.<br>Opasne tvari u okolišu                | Preddiplomski sveučilišni studij<br>Metalurgija i preddiplomski<br>sveučilišni studij Sigurnost, zdravlje<br>na radu i radni okoliš | 9 sati predavanja i 4 sata seminara                   |

\* Stanje 31. prosinca 2022.

Tablica 4.13.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<br>razumijevanje zadanih<br>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 |
|  | Preddiplomski studiji 2015./2016.              | 3,87 | 0,74 | 99  |
|  | Preddiplomski studiji 2016./2017.              | 3,88 | 0,81 | 94  |
|  | Preddiplomski studiji 2017./2018.              | 3,90 | 0,80 | 126 |
|  | Za 2018./2019. nisu dostavljeni podatci sa SuZ | -    | -    | -   |
|  | Preddiplomski studiji 2019./2020.              | 3,90 | 0,85 | 124 |
|  | Preddiplomski studiji 2020./2021.              | 3,81 | 0,78 | 160 |
|  | Preddiplomski studiji 2021./2022.              | 3,85 | 0,79 | 218 |
| Korisnost predavanja za<br>razumijevanje zadanih<br>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  |
|  | Diplomski studiji 2015./2016.                  | 4,17 | 0,79 | 76  |
|  | Diplomski studiji 2016./2017.                  | 4,13 | 0,66 | 112 |
|  | Diplomski studiji 2017./2018.                  | 4,17 | 0,74 | 101 |
|  | Za 2018./2019. nisu dostavljeni podatci sa SuZ | -    | -    | -   |
|  | Diplomski studiji 2019./2020.                  | 3,91 | 0,85 | 132 |
|  | Diplomski studiji 2020./2021.                  | -    | -    | -   |
|  | Diplomski studiji 2021./2022.                  | 4,06 | 0,79 | 210 |
| Praktični rad na vježbama i<br>mogućnost praktične<br>provjere stečenih znanja i<br>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 |
|  | Preddiplomski studiji 2015./2016.              | 3,85 | 0,97 | 100 |
|  | Preddiplomski studiji 2016./2017.              | 3,81 | 0,85 | 90  |
|  | Preddiplomski studiji 2017./2018.              | 3,90 | 0,86 | 124 |
|  | Za 2018./2019. nisu dostavljeni podatci sa SuZ | -    | -    | -   |

|  |  |      |      |     |
|--|--|------|------|-----|
| Praktični rad na vježbama (seminarima) i mogućnost praktične provjere stečenih znanja i vještina | Preddiplomski studiji 2019./2020.              | 4,10 | 0,74 | 125 |
|  | Preddiplomski studiji 2020./2021.              | 3,90 | 0,87 | 162 |
|  | Preddiplomski studiji 2021./2022.              | 3,89 | 0,87 | 221 |
|  | 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  |
|  | Diplomski studiji 2015./2016.                  | 4,06 | 0,92 | 78  |
|  | Diplomski studiji 2016./2017.                  | 3,89 | 0,96 | 112 |
|  | Diplomski studiji 2017./2018.                  | 3,84 | 0,88 | 101 |
|  | Za 2018./2019. nisu dostavljeni podatci sa SuZ | -    | -    | -   |
|  | Diplomski studiji 2019./2020.                  | 3,77 | 0,97 | 133 |
|  | Diplomski studiji 2020./2021.                  | -    | -    | -   |
|  | Diplomski studiji 2021./2022.                  | 3,82 | 0,91 | 212 |

**Tablica 4.13.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 4.13.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 |

**Tablica 4.13e3.** Ocjene anketnih pitanja\* u ak. god. 2017./2018. 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., 2014./2015. i 2017./2018. dobiveni su metodom „papira i olovke“.

**Tablica 4.14.** Izvori financiranja stručnih projekata

| God. početka | Projekt (naziv)   | Trajanje projekta (mjeseci) | Državni proračun | Proračun lokalnih jedinica | Međunarodni fondovi | Gospodarstvo (privatni sektor) | Gospodarstvo – javna poduzeća | Ostalo    | UKUPNO (Eur) |
|--------------|---|-----------------------------|------------------|----------------------------|---------------------|--------------------------------|-------------------------------|-----------|--------------|
| 2022.        | izvršena ispitivanja viskoznosti tekućina za odleđivanje zrakoplova - stanica Zagreb                          | 1                           |                  |                            |                     | 385,00                         |                               |           |              |
| 2022.        | ispitivanja viskoznosti tekućina za odleđivanje zrakoplova - stanica Skopje                                   | 1                           |                  |                            |                     | 330,00                         |                               |           |              |
| 2022.        | usluge adsorpcijsko-desorpcijske porozimetrije  | 4                           |                  |                            |                     | 1.831,58                       |                               |           |              |
| 2022.        | analiza uzoraka   | 3                           |                  |                            |                     | 598,69                         |                               |           |              |
| 2022.        | DSC, TGA i FTIR-ATR mjerenja  | 1                           |                  |                            |                     | 318,53                         |                               |           |              |
| 2022.        | tabletiranje smjese za tablete  | 2                           |                  |                            |                     | 856,99                         |                               |           |              |
| 2022.        | studija o utjecaju na okoliš  | 60                          |                  |                            |                     | 1.327,23                       |                               |           |              |
| 2022.        | raspodjela veličine čestica metodom laserske difrakcije   | 6                           |                  |                            |                     |                                |                               | 764,49    |              |
| 2022.        | raspodjela veličine čestica metodom laserske difrakcije   | 2                           |                  |                            |                     |                                |                               | 502,82    |              |
| 2022.        | termogravimetrijske analize, određivanje toplinske stabilnosti ,dostava rezultata mjerenja                    | 2                           |                  |                            |                     |                                |                               | 645,03    |              |
| 2022.        | fizikalna analiza pepela  | 36                          |                  |                            |                     | 1.592,67                       |                               |           |              |
| 2022.        | ispitivanje viskoznosti tekućina za odleđivanje zrakoplova:<br>-viskoznost<br>-indeks loma<br>-određivanje pH | 1                           |                  |                            |                     | 92,91                          |                               |           |              |
| 2021.        | mjerenje kontaktnog kuta ispitnih kapljevina i izračun slobodne površinske energije uzorka premaznih papira   | 4                           |                  |                            |                     | 839,88                         |                               |           |              |
| 2022.        | usluga korištenja uređaja za termogravimetrijsku analizu  | 12                          |                  |                            |                     | 2.335,92                       |                               |           |              |
| 2020.        | analiza uzorka sintetičkog podtračničkog podloška te pisanje izvješća i davanje mišljenja                     | 1                           |                  |                            |                     | 252,17                         |                               |           |              |
| 2021.        | izvješće o parametrima korozivnosti nafte i brzinama korozije u sustavu za monitoring                         | 17                          |                  |                            |                     |                                | 6.768,86                      |           |              |
| 2021.        | SEM analize   | 3                           |                  |                            |                     | 3.324,71                       |                               |           |              |
| 2022.        | Ispitivanja polimernih materijala   | 2                           |                  |                            |                     |                                |                               | 29.796,28 |              |
| 2021.        | Tehnička podrška, analiza i provjere valjanosti za projekt  | 13                          |                  |                            |                     | 3.583,53                       |                               |           |              |
| 2022.        | DLS mjerenja te pripremu uzoraka  | 5                           |                  |                            |                     | 1.294,05                       |                               |           |              |

| God. početka | Projekt (naziv)  | Trajanje projekta (mjeseci) | Državni proračun | Proračun lokalnih jedinica | Međunarodni fondovi | Gospodarstvo (privatni sektor) | Gospodarstvo – javna poduzeća | Ostalo    | UKUPNO (Eur) |
|--------------|--|-----------------------------|------------------|----------------------------|---------------------|--------------------------------|-------------------------------|-----------|--------------|
| 2021.        | ECO2FLEX   | 13                          |                  |                            |                     | 4.230,54                       |                               |           |              |
| 2021.        | usluga preliminarnog ispitivanja pogače sjemenki paprike za dobivanje potpuno ili djelomično biorazgradivog i/ili kompozitnog polimernog ambalažnog materijala | 4                           |                  |                            |                     | 4.247,13                       |                               |           |              |
| 2022.        | FTIR i SEM-EDS analize uzorka  | 2                           |                  |                            |                     | 132,72                         |                               |           |              |
| 2021.        | usluge akreditacije  | 3                           |                  |                            |                     | 2.448,25                       |                               |           |              |
| 2021.        | usluga usporedbene karakterizacije polimernog PA profila FTIR analizom   | 1                           |                  |                            |                     | 398,17                         |                               |           |              |
| 2022.        | sinteza ciljanog spoja   | 1                           |                  |                            |                     | 2.654,46                       |                               |           |              |
| 2022.        | SEM analize uzoraka slojeva  | 6                           |                  |                            |                     |                                | 530,90                        |           |              |
| 2022.        | studija strukturnih promjena L-arginina nastalih mikronizacijom, na temelju rezultata rendgenske difrakcijske analize  | 2                           |                  |                            |                     | 530,89                         |                               |           |              |
| 2022.        | analize uzoraka polimera poli(fenilen-sulfona), pisanje izvješća i davanje mišljanja   | 4                           |                  |                            |                     | 1.313,96                       |                               |           |              |
| 2022.        | sustav za online vođenje procesa kristalizacije  | 2                           |                  |                            |                     | 3.185,35                       |                               |           |              |
| 2022.        | DSC, komplet FTIR+DSC i SEM analize  | 1                           |                  |                            |                     | 311,90                         |                               |           |              |
| 2022.        | usluge kemijske analize površine   | 1                           |                  |                            |                     | 862,70                         |                               |           |              |
| 2022.        | ispitivanje kristalnog sastava Al-slitine i anodizirane površine te izradu izvještaja  | 1                           |                  |                            |                     | 318,53                         |                               |           |              |
| 2022.        | ispitivanja čvrstoće, istezanja i rasteznog modula materijala  | 2                           |                  |                            |                     | 238,90                         |                               |           |              |
| 2022.        | određivanje sadržaja dušika  | 1                           |                  |                            |                     | 948,97                         |                               |           |              |
| 2022.        | određivanje raspodjele veličina čestica  | 1                           |                  |                            |                     |                                |                               | 544,16    |              |
| 2022.        | rendgenska difrakcijska analize  | 2                           |                  |                            |                     | 132,72                         |                               |           |              |
| 2022.        | SEM/EDX, DSC, FTIR i TGA analize premaza   | 1                           |                  |                            |                     |                                |                               | 14.931,32 |              |
| 2022.        | analiza uzoraka  | 1                           |                  |                            |                     | 350,39                         |                               |           |              |
| 2022.        | analiza uzoraka skenirajućom elektronskom mikroskopijom  | 1                           |                  |                            |                     | 663,61                         |                               |           |              |
| 2022.        | DMA analize  | 3                           |                  |                            |                     |                                |                               | 9.086,20  |              |
| 2022.        | priprava i svojstva izolacijskih polimernih nanokompozita  | 4                           |                  |                            |                     | 22.363,80                      |                               |           |              |

| God. početka | Projekt (naziv)  | Trajanje projekta (mjeseci) | Državni proračun | Proračun lokalnih jedinica | Međunarodni fondovi | Gospodarstvo (privatni sektor) | Gospodarstvo – javna poduzeća | Ostalo           | UKUPNO (Eur)      |
|--------------|--|-----------------------------|------------------|----------------------------|---------------------|--------------------------------|-------------------------------|------------------|-------------------|
| 2022.        | definiranje uzroka raspada MCI, definiranje transformacijskih produkata te identifikaciju onečišćenja molekule B17V spektroskopskim metodama | 1                           |                  |                            |                     | 1.327,23                       |                               |                  |                   |
| 2022.        | priprema nanočestica i priprema homogene i termodinamički stabilne disperzije punila u polimernoj matrici za potrebe projekta                | 2                           |                  |                            |                     |                                |                               | 7.923,15         |                   |
| 2022.        | analize određivanja specifične površine BET metodom  | 1                           |                  |                            |                     |                                |                               | 212,36           |                   |
| 2022.        | analiza uzoraka  | 1                           |                  |                            |                     | 331,81                         |                               |                  |                   |
| 2022.        | analize raspodjele veličina čestica metodom laserske difrakcije  | 1                           |                  |                            |                     | 557,44                         |                               |                  |                   |
| 2022.        | DSC analize  | 1                           |                  |                            |                     |                                | 2.700,91                      |                  |                   |
| 2022.        | određivanje ekotoksičnosti i prisutnosti mikroorganizama u uzorcima opeke i mješavine aktivnog mulja i pepela                                | 1                           |                  |                            |                     |                                |                               | 995,42           |                   |
|              | <b>Ukupno</b>  |                             |                  |                            |                     | <b>66.513,33</b>               | <b>10.000,67</b>              | <b>65.401,23</b> | <b>141.915,23</b> |

Tablica 4.15. Skupovi (sredstva naplaćena tijekom kalendarske 2022.)

| God. početka | Projekt (naziv)                      | Trajanje projekta (mjeseci) | Državni proračun | Proračun lokalnih jedinica | Međunarodni fondovi | Gospodarstvo (privatni sektor) | Gospodarstvo – javna poduzeća | Ostalo | UKUPNO (Eur)     |
|--------------|--------------------------------------|-----------------------------|------------------|----------------------------|---------------------|--------------------------------|-------------------------------|--------|------------------|
| 2022.        | Seminar AVP-2-4-S                    | 1                           |                  |                            |                     | 5.255,82                       |                               |        | 5.255,82         |
| 2022.        | Cro-event Dubrovnik                  | 1                           |                  |                            |                     | 678,64                         |                               |        | 678,64           |
| 2022.        | Seminar AVP-4-6 S                    | 1                           |                  |                            |                     | 5.853,08                       |                               |        | 5.853,08         |
| 2022.        | Uvod u tehnologiju proizvodnje       | 1                           |                  |                            |                     | 1.061,78                       |                               |        | 1.061,78         |
| 2022.        | Osnove korozije i korozijske zaštite | 1                           |                  |                            |                     | 1.590,14                       |                               |        | 1.590,14         |
|              |                                      |                             |                  |                            |                     | <b>14.439,46</b>               |                               |        | <b>14.439,46</b> |

Tablica 4.16. 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             | 1932.            |                                     | 2.451,17   | 614,79  |           |
| Fakultet kemijskog inženjerstva i tehnologije, Marulićev trg 20         | Marulićev trg 20             | 1913.            |                                     | 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 4.17. 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<br>Ljet. sem. 38 | 4                            |
| Marulićev trg 19/podrum    | PIKM 19/3008                       | 37,32                      | 24                               | Zim. sem. 30<br>Ljet. sem. 38 | 5                            |
| Marulićev trg 19/podrum    | P2KM 19/3007                       | 19,20                      | 12                               | Zim. sem. 30<br>Ljet. sem. 38 | 5                            |
| Marulićev trg 19/prizemlje | MKV 19/3002                        | 192,20                     | 150                              | Zim. sem. 40<br>Ljet. sem. 40 | 5                            |
| Marulićev trg 20/podrum    | PIKV-20/3116 i 3117                | 131,90                     | 30                               | Zim. sem. 40<br>Ljet. sem. 40 | 5                            |
| Marulićev trg 20/podrum    | 1514                               | 34,98                      | 24                               | Zim. sem. 20<br>Ljet. sem. 20 | 4                            |
| Marulićev trg 20/prizemlje | MKV 20/3102                        | 82,00                      | 120                              | Zim. sem. 37<br>Ljet. sem. 40 | 4                            |

|                           |             |               |            |                               |   |
|---------------------------|-------------|---------------|------------|-------------------------------|---|
| Marulićev trg 20/I        | MKM 20/3101 | 61,57         | 40         | Zim. sem. 37<br>Ljet. sem. 26 | 4 |
| Savska 16/podrum          | S-P/3201    | 41,13         | 32         | Zim. sem. 37<br>Ljet. sem. 41 | 3 |
| Savska 16/podrum          | S-P2/3210   | 23,48         | 6          | Zim. sem.35<br>Ljet. sem. 40  | 3 |
| Savska 16/prizemlje       | S-0/3214    | 36,77         | 24         | Zim.sem. 36<br>Ljet. sem. 26  | 5 |
| Savska 16/I               | S-1/3204    | 70,69         | 80         | Zim. sem. 45<br>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<br>Ljet. sem. 40 | 3 |
| Savska 16/prizemlje       | UR/3202     | 62,09         | 24         | Zim. sem. 47<br>Ljet. sem. 40 | 5 |
| <b>Ukupno</b>             |             | <b>117,6</b>  | <b>44</b>  |                               |   |

Tablica 4.18. 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 20/I         | Laboratorij znanstveno istraživački III (1605)                | 33,30                      | 6                              | 32                            | 4                            |
| 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                            |

| 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 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 VII1718   | 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 4.19. 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 |
|-----------------------|--|---|---|
| Savska cesta 16       | V1 – Primjena naprednih kemijsko – inženjerskih programskih podrški: SIMCER, PITOPS, LabVIEW, SIPAT (prof. dr. sc. Nenad Bolf) | 18  | 1,5   |
| Savska cesta 16       | V2 – Karakterizacija mikro- i nano- čestica metodom dinamičkog raspršenja svjetlosti   | 18  | 1,5   |



|                       |   |    |     |
|-----------------------|---|----|-----|
|                       | (DLS) i određivanja zeta potencijala čestica (izv. prof. dr. sc. Fabio Faraguna)  |    |     |
| Savska cesta 16       | V3 – Primjena elektrokemijskih tehnika (EIS) u području obnovljivih izvora energije i elektrokemijskih konverzijskih uređaja (prof. dr. sc. Marijana Kraljić Roković) | 18 | 1,5 |
| Trg Marka Marulića 20 | V4 – Primjena mikroskopije atomskih sila (AFM) (prof. dr. sc. Stanislav Kurajica)   | 19 | 1,5 |

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

Tablica 4.20. 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        | 0                                 | 25                                 | 4                              | 5                         | 2  |
| Marulićev trg 20/III       | 3                                 | 1                                  | 5                              | 5                         | 5  |
| Marulićev trg 19/prizemlje | 0                                 | 66                                 | 4                              | 5                         | 4  |

Tablica 4.21. 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 4.22. 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 4.23. 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                            |
| <b>Ukupno</b>           |   | <b>109,15</b>              |                               |                              |

## V. ZNANSTVENA / UMJETNIČKA DJELATNOST

Tablica 5.1.a Bibliografija na instituciji (u 2022.)

| Vrsta radova*   | Ukupan broj radova na instituciji u posljednjih 5 godina  | Broj radova koji su proizašli iz suradnje s drugim visokim učilištima i znanstvenim organizacijama u posljednjih 5 godina | Omjer: broj radova/broj nastavnika/5 godina |
|---|---|---|---|
| Radovi najviše kategorije sukladno Pravilniku o uvjetima za izbor u znanstvena zvanja** | 640   | 389   | 1,86  |
| Ostali radovi sukladno Pravilniku o uvjetima za izbor u znanstvena zvanja**             | 124   | 60  | 0,36  |
| Autorstvo inozemno izdanih knjiga**   | 0   | 0   | 0   |
| Autorstvo domaćih knjiga**  | 1   | 0   | 0   |
| Poglavlja u knjigama**  | 16  | 3   | 0,05  |
| Uredništva knjiga**   | 2   | 2   | 0,01  |
| Stručni radovi**  | 13  | 1   | 0,04  |
| Recenzirani radovi sa znanstvenih i stručnih skupova**                                  | 125   | 61  | 0,36  |
| Radovi nastavnika institucije u časopisima vaše institucije                             | 26  | 14  | 0,08  |
| Ukupan broj citata visokog učilišta (navesti bazu, bez samocitata)                      | 41.853 (Web of Science Corre Collection)  |   |   |
| Ukupan h-indeks visokog učilišta (navesti bazu, bez samocitata)                         | 88 (Web of Science Corre Collection)  |   |   |
| Link na Crosbi  | <a href="https://www.bib.irb.hr:8443/pregled/ustanove/125">https://www.bib.irb.hr:8443/pregled/ustanove/125</a> |   |   |
| Link na citatnu bazu s ukupnim pregledom za visoko učilište (radovi u Wos-u, Scopus-u)  | -   |   |   |

\*Domaćih i inozemnih

U tablicu se unose podaci o radovima visokog učilišta. U tablicu se unose samo podaci o recenziranim radovima. Rad na kojem je više nastavnika istog učilišta navodi se samo jednom. Za citate navesti ukupan broj i citatnu bazu. Za h-indeks navesti ukupan broj i citatnu bazu.

\*\*Crosbi podaci (analiza izrađena prema pravilima područja za tehničke znanosti)

Tablica 5.1.b Bibliografija po znanstvenim područjima u 2022. godini

| Vrsta radova   | Ukupan broj radova u posljednjih 5 godina (Tehničke znanosti)   | Broj radova koji su proizašli iz suradnje s drugim visokim učilištima i znanstvenim organizacijama u posljednjih 5 godina (Tehničke znanosti) | Ukupan broj radova u posljednjih 5 godina (Prirodne znanosti) | Broj radova koji su proizašli iz suradnje s drugim visokim učilištima i znanstvenim organizacijama u posljednjih 5 godina (Prirodne znanosti) |
|--|---|---|---|---|
| Radovi najviše kategorije sukladno Pravilniku o uvjetima za izbor u znanstvena zvanja  | 428**   | 224**   | 368**   | 238**   |
| Ostali radovi sukladno Pravilniku o uvjetima za izbor u znanstvena zvanja              | 108**   | 51**  | 0**   | 0**   |
| Autorstvo inozemno izdanih knjiga  | 0**   | 0**   | 0**   | 0**   |
| Autorstvo domaćih knjiga   | 0**   | 0**   | 1**   | 0**   |
| Poglavlja u knjigama   | 13**  | 1**   | 6**   | 1**   |
| Uredništva knjiga  | 2**   | 2**   | 1**   | 1**   |
| Stručni radovi   | 9**   | 1**   | 9**   | 0**   |
| Recenzirani radovi sa znanstvenih i stručnih skupova                                   | 118**   | 56**  | 42**  | 15**  |
| Radovi nastavnika vaše institucije u časopisima vaše institucije                       | 26**  | 14**  | 10**  | 5**   |
| Link na Crosbi   | <a href="https://www.bib.irb.hr:8443/pregled/ustanove/125">https://www.bib.irb.hr:8443/pregled/ustanove/125</a> |   |   |   |
| Link na citatnu bazu s ukupnim pregledom za visoko učilište (radovi u Wos-u, Scopus-u) | -   |   |   |   |

**Tablica 5.3.** Projekti u posljednjih 5 godina

| Projekt (naziv)   | Interval trajanja projekta** | Vrsta projekta        | Vrsta financiranja     | Financijer***     | Detalji financiranja***                     | Uloga visokog učilišta | Ukupan iznos namijenjen VU-u | Ukupan iznos projekta |
|---|------------------------------|-----------------------|------------------------|-------------------|---|------------------------|------------------------------|-----------------------|
| Razvoj nanostrukturiranih kompozita metalno-oksidnih filmova i polimernih nanopredložaka pripremljenih 3D printanjem visoke rezolucije te nanošenjem metodom ablacije iskrom za pripremu filmova s optički selektivnim svojstvima | 1.1.2022.–31.12.2023.        | znanstveni            | Projektno financiranje | MZO               | Bilateralni projekt s Austrijom             | Nositelj               | 6.750 €                      | 6.750 €               |
| BioFragrance: Enzimsko inženjerstvo i procesno inženjerstvo u sintezi mirisnih spojeva iz obnovljivih izvora  | 1.1.2022.–31.12.2023.        | znanstveni            | Projektno financiranje | MZO               | Bilateralni projekt s Austrijom             | Nositelj               | 6.750 €                      | 6.750 €               |
| DigiChem: Creating a Digital Study Environment for Sustainable Chemistry  | 1.2.2022.–31.1.2025.         | Međunarodna mobilnost |                        | Europska komisija | Erasmus                                     | Partner                |                              |                       |
| High Energy Calcium-Oxygen Batteries  | 1.9.2022.–31.8.2025.         | znanstveni            | Projektno financiranje | NATO              |   | Nositelj               | 173.900 €                    | 349.500 €             |
| Continuous protein extraction in a micro-extractor by aqueous two-phase systems promoted with natural deep eutectic solvents: from waste to valuable product(s)   | 2022.–2023.                  | znanstveni            | Projektno financiranje | UNESCO            |   | Nositelj               | 27.000 €                     | 27.000 €              |
| Rapid discovery and development of enzymes for novel and greener consumer products  | 1.6.2021.–31.5.2025.         | znanstveni            | Projektno financiranje | Europska komisija | Obzor 2020, Research and Innovation Action  | partner                | 487.095,00 €                 | 6.004.308,75 €        |
| C-C Bond Formation Using Top Performing Enzymes   | 1.3.2021.–28.2.2025.         | znanstveni            | Projektno financiranje | Europska komisija | Obzor 2020, Marie-Curie akcija              | Su-koordinatorka       | 237.367,08 €                 | 3.971.466,72 €        |
| Razvoj inovativnih primera iz otpadne emulzije  | 1.1.2021. – 31.12.2023.      | znanstveni            | Projektno financiranje | Europska komisija | Europski strukturni i investicijski fondovi | partner                | 2.427.094,37 kn              | 11.375.077,88 kn      |

|  |                            |            |  |                                     |   |          |                 |                  |
|--|----------------------------|------------|--|-------------------------------------|---|----------|-----------------|------------------|
| Razvoj potopljenog agregata za male hidroelektrane s niskim padom vode   | 2020.-2023.                | znanstveni | Projektno financiranje                 | Europska komisija                   | Europski strukturni i investicijski fondovi | partner  | 3.017.268,6 kn  | 36.860.063,44 kn |
| Pametni sustavi za dostavu lijeka pri liječenju tumora kosti   | 1. 4. 2021. - 31. 3. 2026. | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti        | Uspostavni istraživački projekti            | nositelj | 1.836.666,00 kn | 1.836.666,00 kn  |
| Biorazgrađive 3D tiskane strukture za augmentaciju kosti   | 1.12.2020.-31.12.2023.     | znanstveni | Bespovratna sredstva (grant/darovnica) | Europska komisija                   | Europski fond za regionalni razvoj          | nositelj | 5.531.842 kn    | 7.083.185.kn     |
| Fotonsko sinteiriranje inkjet ispisanih elektrokemijskih senzora i biosenzora na plastičnim podlogama                            | 1.12.2020.-31.12.2025.     | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti        | Uspostavni istraživački projekti            | nositelj | 1.976.300 kn    | 1.976.300 kn     |
| Mikroplastika u vodi; sudbina, ponašanje i uklanjanje  | 1.12.2020. - 31.12.2024.   | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti        | Istraživački projekti                       | nositelj | 1.125.200 kn    | 1.125.200 kn     |
| Novi polimerni aditivi za maziva ulja i uljne nanofluide   | 1.12.2020. - 31.12.2023.   | znanstveni | Projektno financiranje                 | Europska komisija                   | Europski fond za regionalni razvoj          | nositelj | 6.254.901,5 kn  | 7.259.788,5 kn   |
| Istraživanje i razvoj inovativnih tehnologija obrade stakla  | 1.8.2020. – 31.8.2023.     | znanstveni | Projektno financiranje                 | Europska komisija                   | Europski fond za regionalni razvoj          | partner  | 142.575,6 kn    | 1.897.452,9 kn   |
| Tackling hazardous substances pollution in the Danube River basin by measuring, modelling-based management and capacity building | 1.7.2020. - 31.12.2022.    | znanstveni | Projektno financiranje                 | Europska komisija                   |   | partner  | 90.945,8 EUR    | 2.597.483,2 EUR  |
| Fenomeni na površini tijekom pripreve naprednih nanokompozita infiltracijom i funkcionalizacijom poroznih materijala             | 1.2.2020.-31.1.2025.       | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti        | Uspostavni istraživački projekti            | nositelj | 1.999.750 kn    | 1.999.750 kn     |
| Molekularno krojenje istežljivih i zacjeljivih vodljivih polimera za nosivu elektroniku  | 1.2.2020.-31.1.2025.       | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti        | Uspostavni istraživački projekti            | nositelj | 1.969.600 kn    | 1.969.600 kn     |
| Dekompozicije i aproksimacija matrica i tenzora  | 1.2.2020.-31.1.2024.       | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti        | Uspostavni istraživački projekti            | nositelj | 1.007.800 kn    | 1.007.800 kn     |
| Neočekivani prirodni poremećaji u područjima svjetske  | 1.1.2020.-31.12.2022.      | znanstveni | Projektno financiranje                 | Ministarstvo znanosti i obrazovanja |   | nositelj | 15.000 kn       | 60.000 kn        |

|   |                        |            |  |  |                                    |          |              |                |
|---|------------------------|------------|--|--|------------------------------------|----------|--------------|----------------|
| prirodne baštine: tehnologija obnove i praćenja ekološkog stanja  |                        |            |  |  |                                    |          |              |                |
| Razvoj funkcionalnih biogoriva i (bio)aditiva te ispitivanje primjenskih svojstava mješavina s mineralnim gorivima  | 1.1.2020.-31.1.2025.   | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti   | Uspostavni istraživački projekti   | nositelj | 1.302.720 kn | 1.302.720 kn   |
| Razvoj novih rješenja za karakterizaciju i zaštitu brončane kulturne baštine izložene vanjskom okolišu              | 1.1.2020.-31.1.2024.   | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanosti   | Istraživački projekti              | nositelj | 1.159.500 kn | 1.159.500 kn   |
| Usporedba katalizatora dopiranog cerijeva oksida pripremljenog naprednim kemijskih te fizikalnim metodama nanošenja | 1.1.2020.-31.12.2022.  | znanstveni | Projektno financiranje                 | Ministarstvo znanosti i obrazovanja  |                                    | nositelj | 75.000 kn    | 150.000 kn     |
| Biokonverzija lignoceluloznog materijala u visokovrijednu hranu za životinje  | 1.12.2019.-31.12.2022. | znanstveni | Projektno financiranje                 | Europska komisija  | Europski fond za regionalni razvoj | partner  | 26.784,7 kn  | 8.604.744 kn   |
| Inovativna rješenja u katalitičkim proizvodnim procesima za potrebe farmaceutske industrije                         | 1.12.2019.-31.12.2022. | znanstveni | Bespovratna sredstva (grant/darovnica) | Europska komisija  | Europski fond za regionalni razvoj | partner  | 1.400.000 kn | 6.165.675 kn   |
| Novi početa za stare hrvatske sorte vinove loze   | 1.12.2019.-31.12.2022. | znanstveni | Projektno financiranje                 | Europska komisija  | Europski fond za regionalni razvoj | partner  | 185.161 kn   | 7.151.462,5 kn |
| Otpad i Sunce u službi fotokatalitičke razgradnje mikroonečišćivala u vodama  | 1.12.2019.-31.12.2022. | znanstveni | Projektno financiranje                 | Vlastita sredstva ustanove<br>Ministarstvo regionalnoga razvoja i fondova<br>EU<br>Ministarstvo znanosti i obrazovanja |                                    | partner  | 945.912 kn   | 8.481.498 kn   |
| Primjena naprednih tehnologija obrade voda za uklanjanje mikroplastike  | 1.12.2019.-31.12.2023. | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost  | Istraživački projekti              | nositelj | 892.500 kn   | 892.500 kn     |
| Pročišćavanje vode i dobivanje energije korištenje novih  | 1.12.2019.-31.12.2022. | znanstveni | Projektno financiranje                 | Europska komisija  | Kohezijski fond                    | nositelj | 2.909.678 kn | 7.235.516,5 kn |

|  |                        |            |  |                             |                                |          |                |                 |
|--|------------------------|------------|--|-----------------------------|--------------------------------|----------|----------------|-----------------|
| kompozitnih materijala uz Sunčevo zračenje   |                        |            |  |                             |                                |          |                |                 |
| Fotonaponska-geopolimerna fasada: uloga vode-kisika u naprednom sklapanju filmova kompozitnih materijala                               | 1.10.2019.-31.5.2023.  | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost | Program znanstvena suradnja    | nositelj | 2.199.485 kn   | 2.199.485 kn    |
| Joint PhD laboratory for new materials and inventive water treatment technologies. Harnessing resources effectively through innovation | 1.2.2019.-31.1.2023.   | znanstveni | Projektno financiranje                 | Europska komisija           | Obzor 2020, Marie Curie akcija | partner  | 505.576,8 EUR  | 3.422.141,5 EUR |
| Istraživanje antioksidativnog djelovanja benzazolskog skeleta u dizajnu novih antitumorskih agensa                                     | 1.12.2018.-30.11.2022. | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost | Istraživački projekti          | nositelj | 994.000 kn     | 994.000 kn      |
| Novi spojevi temeljeni na bioizosterima purina za ispitivanje njihovih antitumorskih i antipatogenih djelovanja                        | 1.12.2018.-30.11.2022. | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost | Istraživački projekti          | nositelj | 998.200 kn     | 998.200 kn      |
| Hidrotermalna sinteza dopiranog cerij oksidnog nanokatalizatora  | 1.11.2018.-31.10.2022. | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost | Istraživački projekti          | nositelj | 475.000 kn     | 475.000 kn      |
| Intenzifikacija fotokatalitičkih i katalitičkih procesa za obradu otpadnih voda i otpadnih plinova                                     | 1.11.2018.-31.10.2022. | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost | Istraživački projekti          | nositelj | 913.500 kn     | 913.500 kn      |
| Nano-katalizatori aktivirani Sunčevim zračenjem u tehnologijama zaštite okoliša  | 1.10.2018.-31.10.2022. | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost | Istraživački projekti          | nositelj | 1.027.651,8 kn | 1.027.651,8 kn  |
| Razvoj TEHNIX pogona za biorektorsko kompostiranje biorazgradivog komunalnog otpada  | 1.3.2018.-28.2.2021.   | znanstveni | Bespovratna sredstva (grant/darovnica) | Europska komisija           |                                | partner  | 555.949,1 kn   | 20.501.502 kn   |
| Razvoj integriranog mikrosustava za biokatalitičku proizvodnju biodizela   | 1.5.2017.-30.4.2021.   | znanstveni | Projektno financiranje                 | Hrvatska zaklada za znanost | Istraživački projekti          | nositelj | 750.650 kn     | 750.650 kn      |



|   |                            |                 |  |  |                                    |          |                |                |
|---|----------------------------|-----------------|--|--|------------------------------------|----------|----------------|----------------|
| Izravna uporaba komunalne odpadne vode za navodnjavanje membranskim tehnologijama                                     | 1.4.-2017.-<br>31.3.2019.  | znanstveni      | Projektno financiranje                 | Hrvatska zaklada za znanost                              | Istraživački projekti              | nositelj | 1.492.909 kn   | 1.492.909 kn   |
| Razvoj biokompatibilnih materijala na temelju hidroksiapatita za primjene u inženjerstvu koštanog tkiva               | 1.3.2017.-<br>28.2.2021.   | znanstveni      | Projektno financiranje                 | Hrvatska zaklada za znanost                              | Istraživački projekti              | nositelj | 992.841 kn     | 992.841 kn     |
| Modeliranje okolišnih aspekata napredne obrade voda za razgradnju prioriternih onečišćivala                           | 1.9.2015.-<br>31.1.2019.   | znanstveni      | Projektno financiranje                 | Hrvatska zaklada za znanost                              | Istraživački projekti              | nositelj | 965.200 kn     | 965.200 kn     |
| Sudbina farmaceutika u okolišu i tijekom naprednih postupaka obrade voda  | 1.7.2015.-<br>30.6.2019.   | znanstveni      | Projektno financiranje                 | Hrvatska zaklada za znanost                              | Istraživački projekti              | nositelj | 943.500 kn     | 943.500 kn     |
| Sustainable industrial processes based on a C-C bond-forming enzyme platform  | 1.4.2015.-<br>31.3.2019.   | znanstveni      | Projektno financiranje                 | Europska komisija  | Obzor 2020, Innovation action      | partner  | 544.260 Eur    | 9.251.355 Eur  |
| Elektrokemijski superkondenzator visoke snage i velikog sadržaja energije za primjenu u električnim vozilima          | 1.11.2014.-<br>30.11.2018. | znanstveni      | Projektno financiranje                 | Hrvatska zaklada za znanost                              | Istraživački projekti              | nositelj | 955.800 kn     | 955.800 kn     |
| CeSaR na Fakultetu kemijskog inženjerstva i tehnologije   | 1.3.2020.-<br>31.3.2023.   | stručni         | Bespovratna sredstva (grant/darovnica) | Europska komisija  | Eurposki socijalni fond            | nositelj | 3.683.389,5 kn | 3.683.389,5 kn |
| Napredno vođenje procesa kristalizacije   | 1.12.2020.-<br>31.12.2023. | Infrastruktorni | Bespovratna sredstva (grant/darovnica) | Europska komisija<br>Ministarstvo znanosti i obrazovanja | Europski fond za regionalni razvoj | nositelj | 6.545.544 kn   | 7.783.366 kn   |
| Akustična negoriva ploča  | 1.10.2020.-<br>30.9.2023.  | Infrastruktorni | Projektno financiranje                 | Europska komisija  | Europski fond za regionalni razvoj | partner  | 1.111.536,2 kn | 9.939.886 kn   |
| Razvoj tehničkog rješenja za uštedu energije upotrebom VIS propusnih ili polupropisnih IC-reflektivnih tankih slojeva | 1.9.2020.-<br>30.9.2023.   | Infrastruktorni | Projektno financiranje                 | Europska komisija  | Europski fond za regionalni razvoj | partner  | 4.239.196 kn   | 11.724.498 kn  |

|  |                       |                       |                        |   |  |          |                |               |
|--|-----------------------|-----------------------|------------------------|---|--|----------|----------------|---------------|
| Virtulab-Integrirani laboratorij za primarne i sekundarne sirovine                       | 1.11.2018.-31.7.2021. | Infrastrukturni       | Projektno financiranje | Europska komisija<br>Vlastita sredstva ustanove | Europski fond za regionalni razvoj   | partner  | 1.059.490,6 kn | 12.300.603 kn |
| Stabilizacija halogenhidrin-dehalogenaza radi upotrebe u nekonvencionalnim medijima      | 1.1.2020.-31.12.2022  | Međunarodna mobilnost | Projektno financiranje | Ministarstvo znanosti i obrazovanja             | Program znanstveno-tehnološke suradnje između Republike Hrvatske i Republike Slovenije | nositelj | 14.876 kn      | 14.876 kn     |
| Primjena plazma tehnologija za razvoj polimernih materijala za katalitičke mikroreaktore | 1.1.2017.-31.12.2018. | Međunarodna mobilnost | Projektno financiranje | Ministarstvo znanosti i obrazovanja             |  | partner  | 37.841 kn      | 37.841 kn     |

**Tablica 5.6.** 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** |
|---|--|--|---|---|
| Kemijsko inženjerstvo                       | 9  | 9*   | 185+132   | 11+7  |
| Inženjerska kemija                          | 7  | 7*   |   |   |
| Kemijsko inženjerstvo i primijenjena kemija | 47   | 47*  |   |   |

\* Zahtijeva se minimalno jedan rad u inozemnom znanstvenom časopisu

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

**Tablica 5.6.1.** Popis doktoranada

|     | Studij | Prezime              | Ime       | Mentor_DR                                   | Dat_obr_DR  |
|-----|--------|----------------------|-----------|---|-------------|
| 1.  | KIP    | Tomić                | Antonija  | Lončarić Božić Ana                          | 10.1.2022.  |
| 2.  | KIP    | Raić                 | Matea     | Ivanda Mile, Mandić Vilko                   | 6.12.2022.  |
| 3.  | KIP    | Komar                | Mario     | Molnar Maja, Gazivoda Kraljević Tatjana     | 4.11.2022.  |
| 4.  | KIP    | Car                  | Filip     | Tomašić Vesna                               | 30.9.2022.  |
| 5.  | KIP    | Tkalčević            | Marija    | Mičetić Maja, Kurajica Stanislav            | 6.9.2022.   |
| 6.  | KIP    | Gojun                | Martin    | Zelić Bruno                                 | 21.7.2022.  |
| 7.  | KIP    | Mužina               | Katarina  | Kurajica Stanislav                          | 21.7.2022.  |
| 8.  | KIP    | Bretagna Silva       | Danilo    | Babić Sandra, Buttiglieri Gianluigi         | 21.7.2022.  |
| 9.  | KIP    | Kojić                | Vedran    | Gajović Andreja, Mutavdžić Pavlović Dragana | 28.6.2022.  |
| 10. | KIP    | Zeljko               | Martina   | Lučić Blagojević Sanja                      | 15.6.2022.  |
| 11. | KIP    | Paut                 | Andrea    | Kassal Petar, Prkić Ante                    | 10.6.2022.  |
| 12. | KIP    | Kurajica             | Livija    | Ujević Bošnjak Magdalena, Babić Sandra      | 26.5.2022.  |
| 13. | KIP    | Radić                | Irena     | Babić Sandra                                | 8.4.2022.   |
| 14. | KIP    | Lukač                | Goran     | Dejanović Igor                              | 17.2.2022.  |
| 15. | KIP    | Nikl                 | Hrvoje    | Bolanča Tomislav, Rogošić Marko             | 21.12.2021. |
| 16. | KIP    | Petračić             | Ana       | Sander Aleksandra                           | 6.12.2021.  |
| 17. | KIP    | Lukić                | Marija    | Vrsaljko Domagoj                            | 11.11.2021. |
| 18. | KIP    | Aničić               | Maja      | Samardžić Mirela                            | 27.10.2021. |
| 19. | KIP    | Herceg               | Srećko    | Bolf Nenad                                  | 30.9.2021.  |
| 20. | KIP    | Zečević              | Nenad     | Bolf Nenad                                  | 19.7.2021.  |
| 21. | KIP    | Mitar                | Anamarija | Prlić Kardum Jasna                          | 18.6.2021.  |
| 22. | KIP    | Bernat               | Robert    | Ukić Šime, Capan Ivana                      | 11.6.2021.  |
| 23. | KIP    | Matić                | Petra     | Jakobek Barron Lidija, Ukić Šime            | 3.6.2021.   |
| 24. | KIP    | Gretić               | Matija    | Matijašić Gordana                           | 23.4.2021.  |
| 25. | KIP    | Bauer                | Leonard   | Ivanković Marica                            | 8.4.2021.   |
| 26. | KIP    | Sigurnjak Bureš      | Marija    | Ukić Šime                                   | 12.2.2021.  |
| 27. | KIP    | Vukušić              | Tina      | Milardović Stjepan†, Prkić Ante             | 29.1.2021.  |
| 28. | KIP    | Kos                  | Jasna     | Sipos Laszlo, Bogut Irella                  | 22.1.2021.  |
| 29. | KIP    | Šabić Runjavec       | Monika    | Marija Vuković Domanovac                    | 3.12.2020.  |
| 30. | KIP    | Zagajski Kučan       | Kristina  | Marko Rogošić                               | 20.11.2020. |
| 31. | KIP    | Ressler              | Antonia   | Hrvoje Ivanković, Inga Urlić                | 13.11.2020. |
| 32. | KIP    | Ivanišević           | Irena     | Stjepan Milardović†                         | 26.10.2020. |
| 33. | KIP    | Grgičević            | Ana       | Irena Škorić                                | 9.10.2020.  |
| 34. | KIP    | Cetina               | Ivana     | Irina Pucić, Danijela Ašperger              | 29.6.2020.  |
| 35. | KIP    | Lovinčić Milovanović | Vedrana   | Domagoj Vrsaljko                            | 29.5.2020.  |
| 36. | KIP    | Dabić                | Dario     | Sandra Babić                                | 12.5.2020.  |
| 37. | KIP    | Švarc                | Anera     | Ana Vrsalović Presečki                      | 13.3.2020.  |
| 38. | KIP    | Racar                | Marko     | Davor Dolar                                 | 28.2.2020.  |
| 39. | KI     | Ribić                | Bojan     | Nenad Bolf, Dinko Sinčić                    | 6.2.2020.   |
| 40. | KIP    | Mrđa Lalić           | Marina    | Sanja Martinez                              | 17.12.2019. |
| 41. | IK     | Coha                 | Ivana     | Danijela Ašperger, Željko Grahek            | 30.10.2019. |

|     | Studij | Prezime         | Ime       | Mentor_DR                                  | Dat_obr_DR  |
|-----|--------|-----------------|-----------|--|-------------|
| 42. | KI     | Juretić Perišić | Daria     | Ana Lončarić Božić                         | 4.10.2019.  |
| 43. | KIP    | Česnik          | Morana    | Zvezdana Findrik Blažević                  | 4.10.2019.  |
| 44. | KI     | Plavac          | Bojan     | Sanja Papić †, Ana Lončarić Božić          | 4.10.2019.  |
| 45. | IK     | Maračić         | Silvija   | Silvana Raić-Malić                         | 18.7.2019.  |
| 46. | KI     | Polovina        | Saša      | Igor Dejanović, Mirko Stijepović           | 10.5.2019.  |
| 47. | KI     | Mimica Tkalčec  | Marijana  | Mirela Leskovac                            | 25.4.2019.  |
| 48. | KIP    | Gilja           | Vanja     | Zlata Hrnjak-Murgić                        | 10.4.2019.  |
| 49. | IK     | Assarian        | Arezo     | Sanja Martinez                             | 20.3.2019.  |
| 50. | KIP    | Cvetnić         | Matija    | Tomislav Bolanča                           | 18.1.2019.  |
| 51. | KIP    | Sačar           | Denis     | Marijana Kraljić Roković                   | 10.12.2018. |
| 52. | IK     | Beneta          | Antonija  | Dragana Mutavdžić Pavlović                 | 06.12.2018. |
| 53. | KI     | Duplančić       | Marina    | Vesna Tomašić                              | 03.12.2018. |
| 54. | KIP    | Kristan Mioč    | Ekatarina | Helena Otmačić Čurković                    | 08.11.2018. |
| 55. | IK     | Petković        | Orjen     | Čedomila Milin, Dragana Mutavdžić Pavlović | 12.10.2018. |
| 56. | KIP    | Runje           | Mislav    | Sandra Babić                               | 04.10.2018. |
| 57. | KIP    | Kovačić         | Marin     | Hrvoje Kušić                               | 25.07.2018. |
| 58. | KI     | Hadžić          | Alen      | Ljubica Matijašević                        | 23.07.2018. |
| 59. | IK     | Cindrić         | Ines      | Natalija Koprivanac                        | 17.07.2018. |
| 60. | KIP    | Bistrović Popov | Andrea    | Silvana Raić-Malić                         | 13.06.2018. |
| 61. | KI     | Kordić          | Šimo      | Gordana Matijašić                          | 11.05.2018. |
| 62. | KI     | Nežić           | Igor      | Aleksandra Sander, Ernest Meštrović        | 27.04.2018. |
| 63. | IK     | Cerić           | Dijana    | Danijela Ašperger                          | 19.03.2018. |

### Djevojačka prezimena doktorandica i mentorica

Doktorandice:

1. Raić Matea, r. Vrdoljak (2022)
2. Paut Andrea, r. Sedlar (2022)
3. Radić Irena, r. Raić (2022)
4. Matić Petra, r. Krivak (2021)
5. Sigurnjak Bureš Marija, r. Sigurnjak (2021)
6. Grgičević Ana, r. Ratković (2020)
7. Lovinčić Milovanović Vedrana, r. Lovinčić (2020)
8. Šabić Runjavec Monika, r. Šabić (2020)
9. Zagajski Kučan Kristina, r. Zagajski (2020)
10. Maračić Silvija, r. Korunda (2019)
11. Juretić Perišić Daria, r. Juretić (2019)
12. Coha Ivana, r. Milanović (2019)
13. Česnik Katulić Morana, r. Česnik (2019)
14. Mrđa Marina, dio radova pod prezimenom Mrđa Lalić (2019)
15. Mimica Tkalčec Marijana, r. Mimica (2019)
16. Gilja Vanja, r. Šute (2019)
17. Beneta Antonija, r. Periša (2018)
18. Budetić Mateja, r. Hajduković (2018)
19. Duplančić Marina, r. Ivandić (2018)
20. Kristan Mioč Ekatarina, r. Kristan (2018)
21. Cindrić Ines, r. Gračanin (2018)
22. Bistrović Popov Andrea, r. Bistrović (2018)
23. Cerić Dijana, r. Drljača (2018)

**Tablica 5.7.** Popis radova doktoranada povezanih s disertacijom (prije i nakon obrane, u bazi podataka WoSCC u razdoblju 1.1.2018. – 31.12.2022.) (za tablicu 5.6.)

| R. br. | Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>   | IF               | STU DIJ |
|--------|---|------------------|---------|
| 1.     | Assarian, Arezoo; Martinez, Sanja.<br>Improving polyaspartic anti-corrosion coating protective properties with the use of nano-silica. // <i>Acta chimica Slovenica</i> . <b>65</b> (2018) , 3; 569-577   | 1,076<br>(2018.) | IK      |
| 2.     | Beneta, Antonija; Mutavdžić Pavlović, Dragana; Periša, Ivan; Petrović, Mira.<br>Multiresidue GC-MS/MS pesticide analysis for evaluation of tea and herbal infusion safety. // <i>International journal of environmental analytical chemistry</i> . <b>98</b> (2018) , 11; 987-1004  | 1,267<br>(2018.) | IK      |
| 3.     | Bistrović, Andrea; Grbčić, Petra; Harej, Anja; Sedić, Mirela; Kraljević Pavelić, Sandra; Koštrun, Sanja; Plavec, Janez; Makuc, Damjan; Raić-Malić, Silvana.<br>Small molecule purine and pseudopurine derivatives: synthesis, cytostatic evaluations and investigation of growth inhibitory effect in non-small cell lung cancer A549. // <i>Journal of enzyme inhibition and medicinal chemistry</i> . <b>33</b> (2018) , 1; 271-285 | 4,027<br>(2018.) | KIP     |
| 4.     | Bistrović, Andrea; Krstulović, Luka; Harej, Anja; Grbčić, Petra; Sedić, Mirela; Koštrun, Sanja; Kraljević Pavelić, Sandra; Bajić, Miroslav; Raić-Malić, Silvana.<br>Design, synthesis and biological evaluation of novel benzimidazole amidines as potent multi-target inhibitors for the treatment of non-small cell lung cancer. // <i>European journal of medicinal chemistry</i> . <b>143</b> (2018) ; 1616-1634                  | 4,833<br>(2018.) | KIP     |
| 5.     | Bistrović, Andrea; Krstulović, Luka; Stolić, Ivana; Drenjančević, Domagoj; Talapko, Jasminka; Taylor, Martin; Kelly, John; Bajić, Miroslav; Raić-Malić, Silvana.<br>Synthesis, anti-bacterial and anti-protozoal activities of amidinobenzimidazole derivatives and their interactions with DNA and RNA. // <i>Journal of enzyme inhibition and medicinal chemistry</i> . <b>33</b> (2018) , 1; 1323-1334                             | 4,027<br>(2018.) | KIP     |
| 6.     | Cindrić, Ines; Grčić, Ivana; Koprivanac, Natalija.<br>The sensitization effect of waste toner powder in the photocatalytic degradation of surfactant sodium dodecylbenzene sulfonate over immobilized TiO <sub>2</sub> -chitosan layer under UVC and solar irradiation. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>124</b> (2018) , 2; 905-930   | 1,428<br>(2018.) | IK      |
| 7.     | Dabić, Dario; Brkljačić, Lidija, Tandarić, Tana; Žinić, Mladen; Vianello, Robert; Frkanec, Leo; Kobetić, Renata.<br>The metal effect on self-assembling of oxalamide gelators explored by mass spectrometry and DFT calculations. // <i>Journal of the American society for mass spectrometry</i> . <b>29</b> (2018) , 1; 103-113   | 3,202<br>(2018.) | KIP     |
| 8.     | Duplančić, Marina; Tomašić, Vesna; Gomzi, Zoran.<br>Catalytic oxidation of toluene: comparative study over powder and monolithic manganese-nickel mixed oxide catalysts. // <i>Environmental technology</i> . <b>39</b> (2018) , 15; 2004-2016  | 1,918<br>(2018.) | KI      |
| 9.     | Gilja, Vanja; Kratofil Krehula, Ljerka; Katančić, Zvonimir; Krehula, Stjepko; Hrnjak-Murgić, Zlata; Travaš-Sejdić, Jadranka.<br>Influence of titanium dioxide preparation method on photocatalytic degradation of organic dyes. // <i>Croatica chemica acta</i> . <b>91</b> (2018) , 3; 323-334   | 0,731<br>(2018.) | KIP     |
| 10.    | Gilja, Vanja; Vrban, Ivan; Mandić, Vilko; Žic, Mark; Hrnjak-Murgić, Zlata.<br>Preparation of a PANI/ZnO composite for efficient photocatalytic degradation of acid blue. // <i>Polymers</i> . <b>10</b> (2018) , 9; 940-1-940-17  | 3,164<br>(2018.) | KIP     |
| 11.    | Grahek, Željko; Dulanská, Silvia; Karanović, Gorana; Coha, Ivana; Tucaković, Ivana; Nodilo, Marijana; Mátel, Ľubomír.<br>Comparison of different methodologies for the <sup>90</sup> Sr determination in environmental samples. // <i>Journal of environmental radioactivity</i> . <b>181</b> (2018) ; 18-31  | 2,179<br>(2018.) | IK      |
| 12.    | Hadžić, Alen; Voća, Neven; Golubić, Sandra.<br>Life-cycle assessment of solid-waste management in city of Zagreb, Croatia. // <i>Journal of material cycles and waste management</i> . <b>20</b> (2018) , 2; 1286-1298  | 2,004<br>(2018.) | KI      |
| 13.    | Kordić, Šimo; Matijašić, Gordana; Gretić, Matija.<br>Prediction of particle size distribution of dronedarone hydrochloride in spiral jet mill using design of experiments. // <i>Chemical engineering communications</i> . <b>205</b> (2018) , 2; 197-206   | 1,431<br>(2018.) | KI      |
| 14.    | Kovačić, Marin; Katić, Jozefina; Kušić, Hrvoje; Lončarić Božić, Ana; Metikoš Huković, Mirjana.<br>Elucidating the photocatalytic behavior of TiO <sub>2</sub> -SnS <sub>2</sub> composites based on their energy band structure. // <i>Materials</i> . <b>11</b> (2018) , 6; 1041-1-1041-19   | 2,972<br>(2018.) | KIP     |
| 15.    | Kovačić, Marin; Kopčić, Nina; Kušić, Hrvoje; Lončarić Božić, Ana.<br>Solar driven degradation of 17β-estradiol using composite photocatalytic materials and artificial irradiation source: Influence of process and water matrix parameters. // <i>Journal of photochemistry and photobiology A: Chemistry</i> . <b>361</b> (2018) ; 48-61  | 3,261<br>(2018.) | KIP     |

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|-----|---|------------------|-------------|
| 16. | Kovačić, Marin; Kopčić, Nina; Kušić, Hrvoje; Stangar, Urška Lavrenčić; Dionysiou, Dionysios D.; Lončarić Božić, Ana.<br>Reactivation and reuse of TiO <sub>2</sub> -SnS <sub>2</sub> composite catalyst for solar-driven water treatment. // <i>Environmental science and pollution research</i> . <b>25</b> (2018) , 3; 2538-2551  | 2,914<br>(2018.) | KIP         |
| 17. | Kurajica, Stanislav; Mandić, Vilko; Tomašić, Vesna; Duplančić, Marina; Matijašić, Gordana; Mužina, Katarina.<br>Catalytic activity and related properties of sol-gel-derived manganese-doped gahnite. // <i>Journal of nanoparticle research</i> . <b>20</b> (2018) ; 178-1-178-12  | 2,009<br>(2018.) | KI          |
| 18. | Kristan Mioč, Ekatarina; Hajdari Gretić, Zana; Otmačić Čurković, Helena.<br>Modification of cupronickel alloy surface with octadecylphosphonic acid self-assembled films for improved corrosion resistance. // <i>Corrosion science</i> . <b>134</b> (2018) ; 189-198   | 6,355<br>(2018.) | KIP         |
| 19. | Markić, Marinko; Cvetnić, Matija; Ukić, Šime; Kušić, Hrvoje; Bolanča, Tomislav; Lončarić Božić, Ana.<br>Influence of process parameters on the effectiveness of photooxidative treatment of pharmaceuticals. // <i>Journal of environmental science and health. Part A: Toxic/hazardous substances &amp; environmental engineering</i> . <b>53</b> (2018) , 4; 338-351                                | 1,536<br>(2018.) | KIP         |
| 20. | Milardović, Stjepan; Ivanišević, Irena; Rogina, Anamarija; Kassal, Petar.<br>Synthesis and electrochemical characterization of AgNP ink suitable for inkjet printing. // <i>International journal of electrochemical science</i> . <b>13</b> (2018) , 11; 11136-11149   | 1,284<br>(2018.) | KIP         |
| 21. | Milovac, Dajana; Weigand, Ivna; Kovačić, Marin; Ivanković, Marica; Ivanković, Hrvoje.<br>Highly porous hydroxyapatite derived from cuttlefish bone as TiO <sub>2</sub> catalyst support. // <i>Processing and applications of ceramics</i> . <b>12</b> (2018) , 2; 136-142  | 0,976<br>(2018.) | KIP         |
| 22. | Mutavdžić Pavlović, Dragana; Glavač, Antonija; Gluhak, Mihaela; Runje, Mislav.<br>Sorption of albendazole in sediments and soils: isotherms and kinetics. // <i>Chemosphere</i> . <b>193</b> (2018) ; 635-644   | 5,108<br>(2018.) | KIP         |
| 23. | Petković, Orjen; Guibal, Pierre; Sassi, Patrick; Vial, Jérôme; Thiébaud, Didier.<br>Active modulation in neat carbon dioxide packed column comprehensive two-dimensional supercritical fluid chromatography. // <i>Journal of chromatography A</i> . <b>1536</b> (2018) ; 176-184   | 3,858<br>(2018.) | IK          |
| 24. | Polovina, Saša; Vojtech, Merva; Dejanović, Igor; Grujić, Aleksandar; Stijepović, Mirko.<br>Modeling a reaction section of a commercial continuous catalytic reformer. // <i>Energy &amp; fuels</i> . <b>32</b> (2018) , 5; 6378-6396  | 3,021<br>(2018.) | KI          |
| 25. | Prkić, Ante; Vukušić, Tina; Giljanović, Josipa; Sokol, Vesna; Bošković, Perica; Lučić Lavčević, Magdy; Mitar, Ivana; Jakić, Miće.<br>Development of a new potentiometric sensor based on home made iodide ISE enriched with ZnO nanoparticles and its application for determination of penicillamine. // <i>International journal of electrochemical science</i> . <b>13</b> (2018) , 11; 10894-10903 | 1,284<br>(2018)  | KIP         |
| 26. | Ressler, Antonia; Ródenas-Rochina, Joaquin; Ivanković, Marica; Ivanković, Hrvoje; Rogina, Anamarija; Gallego Ferrer, Gloria.<br>Injectable chitosan-hydroxyapatite hydrogels promote the osteogenic differentiation of mesenchymal stem cells. // <i>Carbohydrate polymers</i> . <b>197</b> (2018) ; 469-477  | 6,044<br>(2018.) | KIP         |
| 27. | Ratković, Ana; Marinić, Željko; Škorić, Irena.<br>Flow-photochemical synthesis of the functionalized benzobicyclo[3.2.1]octadiene skeleton. // <i>Journal of molecular structure</i> . <b>1168</b> (2018) ; 165-174   | 2,120<br>(2018.) | KIP         |
| 28. | Sačar, Denis; Spajić, Ivan; Kraljić Roković, Marijana; Mandić, Zoran.<br>New insights into chemical and electrochemical functionalization of graphene oxide electrodes by o-phenylenediamine and their potential applications. // <i>Journal of materials science</i> . <b>53</b> (2018) ; 15285-15297  | 3,442<br>(2018.) | KIP         |
| 29. | Zagajski Kučan, Kristina; Perković, Marijana; Cmrk, Karlo; Načinović, Dominik; Rogošić, Marko.<br>Betaine + (glycerol or ethylene glycol or propylene glycol) deep eutectic solvents for extractive purification of gasoline. // <i>ChemistrySelect</i> . <b>3</b> (2018) , 44; 12582-12590   | 1,716<br>(2018.) | KIP         |
| 30. | Basioli, Lovro; Salamon, Krešimir; Tkalčević, Marija; Mekterović, Igor; Bernstorff, Sigrid; Mičetić, Maja.<br>Application of GISAXS in the investigation of three-dimensional lattices of nanostructures. // <i>Crystals</i> , <b>9</b> (2019) , 9; 479, 13   | 2,404<br>(2019.) | KIP         |
| 31. | Bistrović Popov, Andrea; Stolić, Ivana; Krstulović, Luka; Taylor, Martin C.; Kelly, John M.; Tomić, Sanja; Tumor, Lidija-Marija; Bajić, Miroslav; Raić-Malić, Silvana.<br>Novel symmetric bis-benzimidazoles: synthesis, DNA/RNA binding and antitrypanosomal activity. // <i>European journal of medicinal chemistry</i> . <b>173</b> (2019) , 63-75   | 5,572<br>(2019.) | KIP         |
| 32. | Cvetnić, Matija; Juretić Perišić, Daria; Kovačić, Marin; Ukić, Šime; Bolanča, Tomislav; Rasulev, Bakhtiyor; Kušić, Hrvoje; Lončarić Božić, Ana.<br>Toxicity of aromatic pollutants and photooxidative intermediates in water: a QSAR study. // <i>Ecotoxicology and environmental safety</i> . <b>169</b> (2019) ; 918-927  | 4,872<br>(2019.) | KIP<br>, KI |
| 33. | Cvetnić, Matija; Novak Stankov, Mirjana; Kovačić, Marin; Ukić, Šime; Bolanča, Tomislav; Kušić, Hrvoje; Rasulev, Bakhtiyor; Dionysiou, Dionysios D.; Lončarić Božić, Ana.<br>Key structural features promoting radical driven degradation of emerging contaminants in water. // <i>Environment international</i> . <b>124</b> (2019) ; 38-48   | 7,577<br>(2019.) | KIP         |

|     |  |                   |     |
|-----|--|-------------------|-----|
| 34. | Česnik, Morana; Sudar, Martina; Roldan, Raquel; Hernandez, Karel; Parella, Teodor; Clapés, Pere; Charnock, Simon; Vasić-Rački, Đurđa; Findrik Blažević, Zvezdana.<br>Model-based optimization of the enzymatic aldol addition of propanal to formaldehyde: a first step towards enzymatic synthesis of 3-hydroxybutyric acid. // <i>Chemical engineering research &amp; design</i> . <b>150</b> (2019) ; 140-152 | 3,350<br>(2019.)  | KIP |
| 35. | Dabić, Dario; Babić, Sandra; Škorić, Irena.<br>The role of photodegradation in the environmental fate of hydroxychloroquine. // <i>Chemosphere</i> . <b>230</b> (2019) ; 268-277   | 5,778<br>(2019.)  | KIP |
| 36. | Gilja, Vanja; Katančić, Zvonimir; Kratofil Krehula, Ljerka; Mandić, Vilko; Hrnjak-Murgić, Zlata<br>Efficiency of TiO <sub>2</sub> catalyst supported by modified waste fly ash during photodegradation of RR45 dye. // <i>Science and engineering of composite materials</i> . <b>26</b> (2019) , 1; 292-300   | 0,700<br>(2019.)  | KIP |
| 37. | Gilja, Vanja; Katančić, Zvonimir; Mandić, Vilko; Peternel, Igor; Kušić, Hrvoje; Hrnjak-Murgić, Zlata.<br>The role of fly ash in solar photocatalytic water treatment. // <i>Desalination and water treatment</i> . <b>139</b> (2019) ; 23-38   | 0,854<br>(2019.)  | KIP |
| 38. | Gojun, Martin; Pustahija, Lucija; Jurinjak Tušek, Ana; Šalić, Anita; Valinger, Davor; Zelić, Bruno.<br>Kinetic parameter estimation and mathematical modelling of lipase catalysed biodiesel synthesis in a microreactor. // <i>Micromachines</i> . <b>10</b> (2019) ; 759, 18   | 2,523<br>(2019.)  | KIP |
| 39. | Herceg, Srećko; Ujević Andrijić, Željka; Bolf, Nenad.<br>Development of soft sensors for isomerization process based on support vector machine regression and dynamic polynomial models. // <i>Chemical engineering research &amp; design</i> . <b>149</b> (2019) ; 95-103   | 3,350<br>(2019.)  | KIP |
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| 170. | Stanić, Denis; Kojić, Vedran; Bohač, Mario; Čizmar, Tihana; Jurać, Krunoslav; Rath, Thomas; Gajović, Andreja.<br>Simulation and optimization of FAPbI <sub>3</sub> perovskite solar cells with a BaTiO <sub>3</sub> layer for efficiency enhancement. // <i>Materials</i> , <b>15</b> (2022), 20; 7310-7324   | 3,4<br>(2022.)  | KIP |
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| 181. | Miloloža, Martina; Ukić, Šime; Cvetnić, Matija; Bolanča, Tomislav; Kučić Grgić, Dajana.<br>Optimization of polystyrene biodegradation by <i>Bacillus cereus</i> and <i>Pseudomonas alcaligenes</i> using full factorial design. // <i>Polymers</i> , <b>14</b> (2022), 20; 4299, 18   | 5,0<br>(2022.)  | KIP |
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**Tablica 5.8.** Popis radova doktoranada nepovezanih s disertacijom (prije i nakon obrane, u bazi podataka WoSCC u razdoblju 1.1.2018. – 31.12.2022.) (za tablicu 5.6.)

| R. br. | Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>  | IF                | STUD IJ    |
|--------|--|-------------------|------------|
| 1.     | Babić, Sandra; Mutavdžić Pavlović, Dragana; Biošić, Martina; Ašperger, Danijela; Škorić, Irena; Runje, Mislav.<br>Fate of febantel in the aquatic environment - the role of abiotic elimination processes. // <i>Environmental science and pollution research</i> . <b>25</b> (2018) ; 28917-28927   | 2,914<br>(2018.)  | KIP,<br>IK |
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| 7.     | Kurajica, Stanislav; Macan, Jelena; Mandić, Vilko; Galjer, Matija; Mužina, Katarina; Plaisier, Jasper Rikkert.<br>Reinforcing blade-cast photocatalytic-titania thin film by titanate nanotubes. // <i>Materials research bulletin</i> . <b>105</b> (2018) ; 142-148   | 3,355<br>(2018.)  | KIP        |
| 8.     | Milovac, Dajana; Weigand, Ivna; Kovačić, Marin; Ivanković, Marica; Ivanković, Hrvoje.<br>Highly porous hydroxyapatite derived from cuttlefish bone as TiO <sub>2</sub> catalyst support. // <i>Processing and applications of ceramics</i> . <b>12</b> (2018) , 2; 136-142   | 0,976<br>(2018.)  | KIP        |
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| 102. | Mitar, Ivana; Guć, Lucija; Vrankić, Martina; Paut, Andrea; Marcuš, Marijan; Prkić, Ante; Krehula, Stjepko; Mastelić, Anđela; Ramljak, Josipa; Ćurlin, Paula.<br>The effects of surfactants and essential oils on microwave-assisted hydrothermal synthesis of iron oxides. // <i>Crystals</i> , <b>12</b> (2022), 11; 1567, 18   | 2,7<br>(2022.) | KIP |
| 103. | Mlakić, Milena; Faraho, Ivan; Odak, Ilijana; Talić, Stanislava; Vukovinski, Ana; Raspudić, Anamarija; Bosnar, Martina; Zdravec, Rahela; Ratković, Ana; Lasić, Kornelija; Marinić, Željko; Barić, Danijela; Škorić, Irena.<br>Synthesis, photochemistry and computational study of novel 1,2,3-triazole heterostilbenes: expressed biological activity of their electrocyclization photoproducts. // <i>Bioorganic chemistry</i> , <b>121</b> (2022), 105701, 21  | 5,1<br>(2022.) | KIP |
| 104. | Mlakić, Milena; Ljubić, Anabela; Šalić, Anita; Zelić, Bruno; Horváth, Ottó; Milašinić, Valentina; Gojun, Martin; Molčanov, Krešimir; Škorić, Irena.<br>Photocatalytic transformations of the resveratrol derivative in microflow reactor. // <i>Catalysts</i> , <b>12</b> (2022), 12; 1510, 16   | 3,9<br>(2022.) | KIP |
| 105. | Mlakić, Milena; Rajić, Lucija; Ljubić Anabela; Vušak Vitomir; Zelić, Bruno; Gojun, Martin; Odak, Ilijana; Čule, Ivona; Šagud, Ivana; Šalić, Anita; Škorić, Irena.<br>Synthesis of new heterocyclic resveratrol analogues in milli- and microreactors: intensification of the Wittig reaction. // <i>Journal of flow chemistry</i> , <b>12</b> (2022), 4; 429-440   | 2,7<br>(2022.) | KIP |
| 106. | Mutavdžić Pavlović, Dragana; Tolić Ćop, Kristina; Barbir, Vendi; Gotovuša, Mia; Lukač, Ivan; Lozančić, Ana; Runje, Mislav.<br>Sorption of cefdinir, memantine and trimethoprim in sediment and soil samples. // <i>Environmental science and pollution research</i> , <b>29</b> (2022), 44; 66841-6685   | 5,8<br>(2022.) | KIP |
| 107. | Mutavdžić Pavlović, Dragana; Tolić Ćop, Kristina; Prskalo, Helena; Runje, Mislav.<br>Influence of organic matter on the sorption of cefdinir, memantine and praziquantel on different soil and sediment samples. // <i>Molecules</i> , <b>27</b> (2022), 22; 8008, 18  | 4,6<br>(2022.) | KIP |
| 108. | Nedić Tiban, Nela; Šimović, Mirela; Polović, Martina; Šarić, Antonija; Tomac, Ivana; Matić, Petra; Jakobek, Lidija.<br>The effect of high voltage electrical discharge on the physicochemical properties and the microbiological safety of rose hip nectars. // <i>Foods</i> , <b>11</b> (2022), 5; 651, 15  | 5,2<br>(2022.) | KIP |
| 109. | Perkušić, Mirna; Nižić Nodilo, Laura; Ugrina, Ivo; Spoljarić, Drago; Jakobušić Brala, Cvijeta; Pepić, Ivan; Lovrić, Jasmina; Matijašić, Gordana; Grečić, Matija; Zdravec, Dijana; Kalogjera, Livije; Hafner, Anita.<br>Tailoring functional spray-dried powder platform for efficient donepezil nose-to-brain delivery. // <i>International journal of pharmaceutics</i> , <b>624</b> (2022), 122038, 15   | 5,8<br>(2022.) | KIP |
| 110. | Posavčić, Hana; Halkijević, Ivan; Vouk, Dražen; Cvetnić, Matija.<br>Circulating flow hybrid ultrasonic and electrochemical process for the treatment of mineral oil wastewaters. // <i>Journal of water process engineering</i> , <b>49</b> (2022), 103024, 12   | 7,0<br>(2022.) | KIP |
| 111. | Pucko, Ivan; Racar, Marko; Faraguna, Fabio.<br>Synthesis, characterization, and performance of alkyl methacrylates and tert-butylaminoethyl methacrylate tetra polymers as pour point depressants for diesel Influence of polymer composition and molecular weight. // <i>Fuel</i> , <b>324</b> (2022), Part C; 124821, 9  | 7,4<br>(2022.) | KIP |
| 112. | Rastija, Vesna; Vrandečić, Karolina; Ćosić, Jasenka; Kanižai Šarić, Gabriella; Majić, Ivana; Agić, Dejan; Šubarić, Domagoj; Karnaš, Maja; Bešlo, Drago; Komar, Mario; Molnar, Maja.<br>Effects of coumarinyl Schiff bases against phytopathogenic fungi, the soil-beneficial bacteria and entomopathogenic nematodes: Deeper insight into the mechanism of action. // <i>Molecules</i> , <b>27</b> (2022), 7; 2196, 17   | 4,6<br>(2022.) | KIP |
| 113. | Samzadeh, Amin; Dehghani, Mansooreh; Ali Baghapour, Mohammad; Azdarpoor, Aooalfazl; Derakhshan, Zahra; Cvetnić, Matija; Bolanča, Tomislav; Giannakis, Stefanos; Cao, Ying.<br>Comparative photo-oxidative degradation of etodolac, febusostat and imatinib mesylate by UV-C/H <sub>2</sub> O <sub>2</sub> and UV-C/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> processes: Modeling, treatment optimization and biodegradability enhancement. // <i>Environmental research</i> , <b>212</b> (2022), Part D; 113385, 8 | 8,3<br>(2022.) | KIP |

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| 114. | Sharić, Tayebah; Kovačić, Marin; Belec, Monika; Perović, Klara; Popović, Marin; Radić, Gabrijela; Žener, Boštjan; Pulitika, Anamarija; Kraljić Roković, Marijana; Lavrenčić Štangar, Urška; Lončarić Božić, Ana; Kušić, Hrvoje.<br>Effect of functionalized benzene derivatives as potential hole scavengers for BiVO <sub>4</sub> and rGO-BiVO <sub>4</sub> photoelectrocatalytic hydrogen evolution. // <i>Molecules</i> , <b>27</b> (2022), 22; 7806, 17  | 4,6<br>(2022.)  | KIP      |
| 115. | Sokač, Tea; Šalić, Anita; Kučić Grgić, Dajana; Šabić Runjavec, Monika; Vidaković, Marijana; Jurinjak Tušek, Ana; Horvat, Đuro; Juras Krnjak, Jasmina; Vuković Domanovac, Marija; Zelić, Bruno.<br>An enhanced composting process with bioaugmentation: Mathematical modelling and process optimization. // <i>Waste management &amp; research</i> , <b>40</b> (2022), 6; 745-753   | 3,9<br>(2022.)  | KIP      |
| 116. | Sokol, Vesna; Brajica, Lara; Mišura, Ozana; Đaković, Marijana; Paut, Andrea; Prkić, Ante; Kukovec, Boris-Marko.<br>The double polymeric chain of catena-poly[(μ <sub>2</sub> -6-bromopyridine-3-carboxylato-κ <sup>2</sup> O,O') (6-bromopyridine-3-carboxylato-κ <sup>2</sup> O,O') (μ <sub>2</sub> -1,2-bis(4-pyridyl)ethylene-κ <sup>2</sup> N:N')cobalt(II)], C <sub>24</sub> H <sub>16</sub> CoBr <sub>2</sub> N <sub>4</sub> O <sub>4</sub> . // <i>Zeitschrift für Kristallographie. New crystal structures</i> , <b>237</b> (2022), 6; 1181-1183 | 0,3<br>(2022.)  | KIP      |
| 117. | Thalhammer, Agnes; Fontanini, Mario; Shi, Jiuyun; Scaini, Denis; Recupero, Luca; Evtushenko, Alexander; Fu, Ying; Pavagada, Suraj; Bistrotić Popov, Andrea; Fruk, Ljiljana; Tian, Bozhi; Ballerini, Laura.<br>Distributed interfacing by nanoscale photodiodes enables single-neuron light activation and sensory enhancement in 3D spinal explants. // <i>Science advances</i> , <b>8</b> (2022), 32; eabp9257, 12  | 13,6<br>(2022.) | KIP      |
| 118. | Vladimir-Knežević, Sanda; Perković, Marijana; Zagajski Kučan, Kristina; Mervić, Mateja; Rogošić, Marko.<br>Green extraction of flavonoids and phenolic acids from elderberry ( <i>Sambucus nigra</i> L.) and rosemary ( <i>Rosmarinus officinalis</i> L.) using deep eutectic solvents. // <i>Chemical papers</i> , <b>76</b> (2022), 1; 341-349   | 2,2<br>(2022.)  | KIP      |
| 119. | Zhang, Chen; Zhu, Zixuan; Špoljar, Maria; Kuczyńska-Kippen, Natalia; Dražina, Tvrtko; Cvetnić, Matija; Mleczeek, Mirosław.<br>Ecosystem models indicate zooplankton biomass response to nutrient input and climate warming is related to lake size. // <i>Ecological modelling</i> , <b>464</b> (2022), 109837, 15   | 3,1<br>(2022.)  | KIP      |
| 120. | Zlatić, Gloria; Arapović, Anamarija; Martinović, Ivana; Martinović Bevanda, Anita; Bošković, Perica; Prkić, Ante; Paut, Andrea; Vukušić, Tina.<br>Antioxidant capacity of Herzegovinian wildflowers evaluated by UV-VIS and cyclic voltammetry analysis. // <i>Molecules</i> , <b>27</b> (2022), 17; 5466, 13  | 4,6<br>(2022.)  | KIP      |
| 121. | Žužić, Andreja; Ressler, Antonia; Macan, Jelena.<br>Perovskite oxides as active materials in novel alternatives to well-known technologies: A review. // <i>Ceramics international</i> , <b>48</b> (2022), 19, Part A; 27240-27261   | 5,2<br>(2022.)  | KIP      |
| 122. | Bistrotić Popov, Andrea; Meščić Macan, Andriana; Jakopec, Silvio; Prpić, Helena; Harej Hrkač, Anja; Kraljević Pavelić, Sandra; Raić-Malić, Silvana.<br>Green solvent-free synthesis of new N-heterocycle-L-ascorbic acid hybrids and their antiproliferative evaluation. // <i>Future medicinal chemistry</i> , <b>14</b> (2022), 16; 1187-1202  | 4,2<br>(2022.)  | KIP      |
| 123. | Kurajica, Stanislav; Ivković, Ivana Katarina; Dražić, Goran; Shvalya, Vasily; Duplančić, Marina; Matijašić, Gordana; Cvelbar, Uroš; Mužina, Katarina.<br>Phase composition, morphology, properties and improved catalytic activity of hydrothermally-derived manganese-doped ceria nanoparticles. // <i>Nanotechnology</i> , <b>33</b> (2022), 13; 135709, 13  | 3,5<br>(2022.)  | KIP, K I |
| 124. | Mužina, Katarina; Kurajica, Stanislav; Guggenberger, Patrick; Duplančić, Marina; Dražić, Goran.<br>Catalytic activity and properties of copper-doped ceria nanocatalyst for VOCs oxidation. // <i>Journal of materials research</i> , <b>37</b> (2022), 11; 1929-1940  | 2,7<br>(2022.)  | KIP, K I |
| 125. | Ressler, Antonia.<br>Chitosan-based biomaterials for bone tissue engineering applications: a short review. // <i>Polymers</i> , <b>14</b> (2022), 16; 3430, 18   | 5,0<br>(2022.)  | KIP      |
| 126. | Ressler, Antonia; Antunović, Maja; Teruel-Biosca, Laura; Gallego Ferrer, Gloria; Babić, Slaven; Urlić, Inga; Ivanković, Marica; Ivanković, Hrvoje.<br>Osteogenic differentiation of human mesenchymal stem cells on substituted calcium phosphate/chitosan composite scaffold. // <i>Carbohydrate polymers</i> , <b>277</b> (2022), 118883, 16   | 11,2<br>(2022.) | KIP      |
| 127. | Ressler, Antonia; Bauer, Leonard; Prebeg, Teodora; Ledinski, Maja; Hussainova, Irina; Urlić, Inga; Ivanković, Marica; Ivanković, Hrvoje.<br>PCL/Si-doped multi-phase calcium phosphate scaffolds derived from cuttlefish bone. // <i>Materials</i> , <b>15</b> (2022), 9; 3348, 16   | 3,4<br>(2022.)  | KIP      |

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| 128. | Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlič, Inga; Hussainova, Irina; Ivanković, Hrvoje.<br>A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial. // <i>Ceramics international</i> , <b>48</b> (2022), 13; 18361-18373 | 5,2<br>(2022.) | KIP |
| 129. | Sander, Aleksandra; Petračić, Ana; Zokić, Iva; Vrsaljko, Domagoj.<br>Scaling up extractive deacidification of waste cooking oil. // <i>Journal of environmental management</i> , <b>316</b> (2022), 115222, 12   | 8,7<br>(2022.) | KIP |
| 130. | Tkalčević, Marija; Boršak, Denis; Periša, Ivana; Bogdanović-Radović, Iva; Šarić, Iva; Petravić, Mladen; Bernstorff, Sigrid; Mičetić, Maja.<br>Multiple exciton generation in 3D ordered networks of Ge quantum wires in alumina matrix. // <i>Materials</i> , <b>15</b> (2022), 15; 5353, 11   | 3,4<br>(2022.) | KIP |
| 131. | Zečević, Nenad.<br>Discrete simulation model of industrial natural gas primary reformer in ammonia production and related evaluation of the catalyst performance: Optimising catalyst performance and lifetime. // <i>Johnson Matthey technology review</i> . <b>66</b> (2022), 2; 137-153   | 2,3<br>(2022.) | KIP |
| 132. | Yarbay Şahin, R. Z.; Duplančić, Marina; Tomašić, Vesna; Badia i Córcoles, J. H.; Kurajica, Stanislav.<br>Essential role of B metal species in perovskite type catalyst structure and activity on toluene oxidation. // <i>International journal of environmental science and technology</i> , <b>19</b> (2022), 1; 553-564                     | 3,1<br>(2022.) | KI  |

**Tablica 5.9.** Popis radova doktoranada povezanih s disertacijom (prije i nakon obrane, u bazi podataka SCOPUS, bez onih u WoSCC u razdoblju 1.1.2018. – 31.12.2022.) (za tablicu 5.6.)

| R. br. | Referenca rada indeksiranog u bazi podataka <i>Scopus</i>  | IF | STU<br>DIJ |
|--------|--|----|------------|
| 1.     | Herceg, Srećko; Ujević Andrijić, Željka; Bolf, Nenad.<br>Continuous estimation of the key components content in the isomerization process products. // <i>Chemical engineering transactions</i> . <b>69</b> (2018) ; 79-84   | -  | KIP        |
| 2.     | Kristan Mioč, Ekatarina; Otmačić Čurković, Helena.<br>Protective films of stearic and octadecylphosphonic acid formed by spray coating. // <i>Journal of electrochemical science and engineering</i> . <b>10</b> (2020) , 2; 161-175   | -  | KIP        |
| 3.     | Car, Filip; Sušec, Ivan; Tomašić, Vesna.<br>Preparation and testing of cordierite monolithic catalysts for oxidation of aromatic volatile organic compounds. // <i>Chemical engineering transactions</i> . <b>86</b> (2021), 673-678   | -  | KIP        |
| 4.     | Preißinger, Ulrich; Lukač, Goran; Dejanović, Igor; Grütznert, Thomas.<br>Impact of various feed properties on the performance of a control system for a multiple dividing wall column pilot plant. // <i>ChemEngineering</i> . <b>5</b> (2021) , 2; 29, 2  | -  | KIP        |
| 5.     | Ressler, Antonia; Žužić, Andreja; Ivanišević, Irena; Kamboj, Nikhil; Ivanković, Hrvoje.<br>Ionic substituted hydroxyapatite for bone regeneration applications: A review. // <i>Open ceramics</i> . <b>6</b> (2021) ; 100122, 16   | -  | KIP        |
| 6.     | Tomić, Antonija; Kušić, Hrvoje; Bolanča, Tomislav; Lončarić Božić, Ana.<br>Nova mikroonečišćivača u vodenom okolišu. // <i>Hrvatske vode</i> , (2021), 118; 241-254  | -  | KIP        |
| 7.     | Žužić, Andrea; Macan, Jelena. Permanganometric determination of oxygen nonstoichiometry in manganites, <i>Open Ceramics</i> 5 (2021) 100063  | -  | KIP        |
| 8.     | Car, Filip; Brnadić, Gabriela; Tomašić, Vesna; Vrsaljko, Domagoj.<br>Advanced preparation method of monolithic catalyst carriers using 3D-printing technology. // <i>Progress in additive manufacturing</i> , <b>7</b> (2022), 4; 797-808  | -  | KIP        |
| 9.     | Ressler, Antonia; Kamboj, Nikhil; Ivanković, Hrvoje; Irina, Hussainova.<br>Optimisation of trabecular bone mimicking silicon-hydroxyapatite based composite scaffolds processed through selective laser melting. // <i>Open ceramics</i> , <b>10</b> (2022), 100252, 10                                      | -  | KIP        |
| 10.    | Ressler, Antonia; Kamboj, Nikhil; Ledinski, Maja; Rogina, Anamarija; Urlič, Inga; Hussainova, Irina; Ivanković, Hrvoje; Ivanković, Marica.<br>Macroporous silicon-wollastonite scaffold with Sr/Se/Zn/Mg-substituted hydroxyapatite/chitosan hydrogel. // <i>Open ceramics</i> , <b>12</b> (2022), 100306, 9 | -  | KIP        |
| 11.    | Zečević, Nenad.<br>Energy intensification of steam methane reformer furnace in ammonia production by application of digital twin concept. // <i>International journal of sustainable energy</i> . <b>41</b> (2022), 1; 12-28   | -  | KIP        |



**Tablica 5.10.** Popis radova doktoranada nepovezanih s disertacijom (prije i nakon obrane, u bazi podataka SCOPUS, bez onih u WoSCC u razdoblju 1.1.2018. – 31.12.2022. (za tablicu 5.6.)

| R. br. | Referenca rada indeksiranog u bazi podataka <i>Scopus</i>  | IF | STU DIJ |
|--------|--|----|---------|
| 1.     | Marčec, Dorotea; Rukavina, Marko; Lukić, Marija.<br>Millireactors with prismatic static mixers for synthesis of dibenzalacetone. // <i>Chimica oggi-chemistry today</i> . <b>37</b> (2019) , 5; 42-46  | -  | KIP     |
| 2.     | Grdiša, Martina; Varga, Filip; Ninčević, Tonka; Ptiček, Barbara; Dabić, Dario; Biošić, Martina.<br>The extraction efficiency of maceration, UAE and MSPD in the extraction of pyrethrins from Dalmatian pyrethrum. // <i>ACS - Agriculturae conspectus scientificus</i> . <b>85</b> (2020) , 3; 257-267                                      | -  | KIP     |
| 3.     | Kučić Grgić, Dajana; Bera, Luka; Miloloža, Martina; Cvetnić, Matija; Ignjatić Zokić, Tatjana; Miletić, Branko; Leko, Tomislav; Ocelić Bulatović, Vesna<br>Obrada aktivnog mulja s uređaja za pročišćavanje komunalnih otpadnih voda procesom kompostiranja. // <i>Hrvatske vode</i> . <b>28</b> (2020), 111; 1-8                             | -  | KIP     |
| 4.     | Komar, Mario; Prašnikar, Fran; Gazivoda Kraljević, Tatjana; Aladić, Krunoslav; Molnar, Maja.<br>3-Amino-2-methylquinazolin-4-(3H)-one Schiff bases synthesis - a green chemistry approach - a comparison of microwave and ultrasound promoted synthesis with mechanosynthesis. // <i>Current green chemistry</i> , <b>8</b> (2021), 1; 62-69 | -  | KIP     |
| 5.     | Maslov Bandić, Luna; Sigurnjak Bureš, Marija; Vlahoviček-Kahlina, Kristina; Jurić, Slaven; Duralija, Boris.<br>Profile of organic acids and synephrine in Satsuma mandarins. // <i>Acta horticulturae</i> , <b>1353</b> (2022), 1; 53-58   | -  | KIP     |
| 6.     | Molnar, Maja; Komar, Mario; Jerković, Igor.<br>N <sup>2</sup> ,N <sup>6</sup> -Bis(6-iodo-2-methyl-4-oxoquinazolin-3(4H)-yl)pyridine-2,6-dicarboxamide. // <i>Molbank</i> , <b>2022</b> (2022), 4; M1500   | -  | KIP     |
| 7.     | Molnar, Maja; Komar, Mario; Jerković, Igor.<br>Methyl 2-((3-(3-methoxyphenyl)-4-oxo-3,4-dihydroquinazolin-2-yl)thio)acetate. // <i>Molbank</i> , <b>2022</b> (2022), 3; M1434  | -  | KIP     |

**Tablica 5.12.** Odabrane knjige i udžbenici koje su objavili nastavnici Fakulteta u posljednjih pet godina

| Autor<br>Naziv knjige / udžbenika   | Izdavač, mjesto i godina izdanja, broj stranica  |
|---|--|
| Gordana Matijašić<br>Uvod u mehaničko procesno inženjerstvo   | Hrvatsko društvo kemijskih inženjera i tehnologa i Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2022., 221 |
| Irena Škorić, Marijana Hranjec (urednice)<br>Zavod za organsku kemiju 1922. – 2022. (monografija)   | Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2022., 205  |
| Stanislav Kurajica<br>Rendgenska difrakcija na prahu  | Hrvatsko društvo kemijskih inženjera i tehnologa i Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2020., 315 |
| Tatjana Gazivoda Kraljević, Marijana Hranjec<br>Osnove kemije heterocikličkih spojeva   | Fakultet kemijskog inženjerstva i tehnologije i Hrvatsko društvo kemijskih inženjera i tehnologa, Zagreb, 2020., 283 |
| Marko Rogošić, Jelena Macan (urednici)<br>Fakultet kemijskog inženjerstva i tehnologije Sveučilišta u Zagrebu 1919. – 2019. (monografija) | Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2019., 431  |
| Zoran Gomzi, Želimir Kurtanjek<br>Modeliranje u kemijskom inženjerstvu  | Hrvatsko društvo kemijskih inženjera i tehnologa i Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2019., 554 |
| Vesna Tomašić, Bruno Zelić<br>Environmental Engineering - Basic Principles  | De Gruyter, Berlin/Boston, 2018., 392  |
| Jelena Macan (urednica knjige), Marija Kaštelan-Macan<br>Vjera Marjanović Krajočan, Edicija istaknuti profesori, knj. 12                  | Fakultet kemijskog inženjerstva i tehnologije, Zagreb, 2018., 138  |

**Tablica 5.13.** Popis svih publikacija u 2021., 2022. prema WoSCC-u i SCOPUS-u.

**WoSCC – 2021.**

| R. br. | Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>  | IF            | Petogodišnji IF | JCR predmetno područje časopisa        | Kvarti 1 | Medijan IF    |
|--------|--|---------------|-----------------|--|----------|---------------|
| 1.     | Babić, Kristina; Tomašić, Vesna; Gilja, Vanja; Le Cunff, Jerome; Gomzi, Vjeran; Pintar, Albin; Žerjav, Gregor; Kurajica, Stanislav; Duplančić, Marina; Zelić, Ivana Elizabeta; Vukušić Pavičić, Tomislava; Grčić, Ivana.<br>Photocatalytic degradation of imidacloprid in the flat-plate photoreactor under UVA and simulated solar irradiance conditions—The influence of operating conditions, kinetics and degradation pathway. // <i>Journal of environmental chemical engineering</i> . <b>9</b> (2021) , 4; 105611, 14 | 7,968 (2021.) | 7,317 (2021.)   | ENGINEERING, CHEMICAL                  | Q1       | 3,289 (2021.) |
|        |  |               |                 | ENGINEERING, ENVIRONMENTAL             | Q2       | 4,427 (2021.) |
| 2.     | Bačić, Matea; Ljubić, Anabela; Gojun, Martin; Šalić, Anita; Jurinjak Tušek, Ana; Zelić, Bruno.<br>Continuous integrated process of biodiesel production and purification—the end of the conventional two-stage batch process? // <i>Energies</i> . <b>14</b> (2021) , 2; 403, 17   | 3,252 (2021.) | 3,333 (2021.)   | ENERGY & FUELS                         | Q3       | 4,863 (2021.) |
| 3.     | Batelić Jakov; Špada Vedrana; Liverić Lovro; Martinez Sanja.<br>Investigation of pipeline failure in a thermalpower plant's process waste water distribution system. // <i>Materials in tehnologije</i> . <b>55</b> (2021) , 1; 135-140  | 0,650 (2021.) | 0,749 (2021.)   | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q4       | 3,786 (2021.) |
|        |  |               |                 | METALLURGY & METALLURGICAL ENGINEERING | Q4       | 1,864 (2021.) |
| 4.     | Bauer, Leonard; Antunović, Maja; Gallego-Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje.   | 3,748 (2021.) | 4,042 (2021.)   | METALLURGY & METALLURGICAL ENGINEERING | Q3       | 3,841 (2021.) |

|     |   |               |               |  |    |               |
|-----|---|---------------|---------------|--|----|---------------|
|     | PCL-coated multi-substituted calcium phosphate bone scaffolds with enhanced properties. // <i>Materials</i> . <b>14</b> (2021), 16; 4403, 19  |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|     |   |               |               | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,864 (2021.) |
|     |   |               |               | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
|     |   |               |               | PHYSICS, CONDENSED MATTER              | Q2 | 3,097 (2021.) |
| 5.  | Bauer, Leonard; Antunović, Maja; Rogina, Anamarija; Ivanković, Marica; Ivanković, Hrvoje.<br>Bone-mimetic porous hydroxyapatite/whitlockite scaffolds: preparation, characterization and interactions with human mesenchymal stem cells. // <i>Journal of materials science</i> . <b>56</b> (2021), 5; 3947-3969                      | 4,682 (2021.) | 4,128 (2021.) | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q2 | 3,786 (2021.) |
| 6.  | Beč, Anja; Hok, Lucija; Persoons, Leentje; Vanstreels, Els; Daelemans, Dirk; Vianello, Robert; Hranjec, Marijana.<br>Synthesis, computational analysis, and antiproliferative activity of novel benzimidazole acrylonitriles as tubulin polymerization inhibitors: Part 2. // <i>Pharmaceuticals</i> . <b>14</b> (2021), 10; 1052, 26 | 5,215 (2021.) | 5,711 (2021.) | CHEMISTRY, MEDICINAL                   | Q2 | 3,727 (2021.) |
|     |   |               |               | PHARMACOLOGY & PHARMACY                | Q1 | 3,580 (2021.) |
| 7.  | Begović Kovač, Erna.<br>Finding the closest normal structured matrix. // <i>Linear algebra and its applications</i> . <b>617</b> (2021); 49-77  | 1,307 (2021.) | 1,350 (2021.) | MATHEMATICS                            | Q2 | 0,967 (2021.) |
|     |   |               |               | MATHEMATICS, APPLIED                   | Q3 | 1,368 (2021.) |
| 8.  | Begović Kovač, Erna; Fassbender, Heike; Saltenberger, Philip.<br>On normal and structured matrices under unitary structure-preserving transformations. // <i>Linear algebra and its applications</i> . <b>608</b> (2021); 322-342   | 1,307 (2021.) | 1,350 (2021.) | MATHEMATICS                            | Q2 | 0,967 (2021.) |
|     |   |               |               | MATHEMATICS, APPLIED                   | Q3 | 1,368 (2021.) |
| 9.  | Bertagna Silva, Danilo; Buttiglieri, Gianluigi; Babić, Sandra.<br>State-of-the-art and current challenges for TiO <sub>2</sub> /UV-LED photocatalytic degradation of emerging organic micropollutants. // <i>Environmental science and pollution research</i> . <b>28</b> (2021), 1; 103-120  | 5,190 (2021.) | 5,053 (2021.) | ENVIRONMENTAL SCIENCES                 | Q2 | 3,692 (2021.) |
| 10. | Bertagna Silva, Danilo; Buttiglieri, Gianluigi; Babić, Tomislav; Čurković, Lidija; Babić, Sandra.<br>Impact of UV-LED photoreactor design on the degradation of contaminants of emerging concern. // <i>Process safety and environmental protection</i> . <b>153</b> (2021); 94-106   | 7,926 (2021.) | 7,717 (2021.) | ENGINEERING, CHEMICAL                  | Q1 | 3,289 (2021.) |
|     |   |               |               | ENGINEERING, ENVIRONMENTAL             | Q1 | 4,427 (2021.) |
| 11. | Biošić, Martina; Dabić, Dario; Škorić, Irena; Babić, Sandra.<br>Effects of environmental factors on nitrofurantoin photolysis in water and its acute toxicity assessment. // <i>Environmental science-processes &amp; impacts</i> . <b>23</b> (2021), 9; 1385-1393  | 5,334 (2021.) | 5,108 (2021.) | CHEMISTRY, ANALYTICAL                  | Q1 | 3,191 (2021.) |
|     |   |               |               | ENVIRONMENTAL SCIENCES                 | Q2 | 3,692 (2021.) |
| 12. | Bistrović Popov, Andrea; Vianello, Robert; Grbčić, Petra; Sedić, Mirela; Pavelić Kraljević, Sandra; Pavelić, Krešimir; Raić-Malić, Silvana.   | 4,927 (2021.) | 5,110 (2021.) | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q2 | 4,228 (2021.) |

|     |  |               |               |  |    |               |
|-----|--|---------------|---------------|--|----|---------------|
|     | Novel bis- and mono-pyrrolo[2,3-d]pyrimidine and purine derivatives: Synthesis, computational analysis and antiproliferative evaluation. // <i>Molecules</i> . <b>26</b> (2021), 11; 3334, 26  |               |               | CHEMISTRY, MULTIDISCIPLINARY             | Q2 | 3,361 (2021.) |
| 13. | Boček, Ida; Starčević, Kristina; Novak Jovanović, Ivana; Vianello, Robert; Hranjec, Marijana. Novel imidazo[4,5-b]pyridine derived acrylonitriles: A combined experimental and computational study of their antioxidative potential. // <i>Journal of molecular liquids</i> . <b>342</b> (2021), 117527, 14  | 6,633 (2021.) | 6,132 (2021.) | CHEMISTRY, PHYSICAL                      | Q2 | 3,841 (2021.) |
|     |  |               |               | PHYSICS, ATOMIC, MOLECULAR & CHEMICAL    | Q1 | 2,726 (2021.) |
| 14. | Bosch, Sandra; Sanchez-Freire, Esther; del Pozo, María Luisa; Česnik, Morana; Quesada, Jaime; Mate, Diana M.; Hernández, Karel; Qi, Yuyin; Clapés, Pere; Vasić-Rački, Đurđa; Findrik Blažević, Zvezdana; Berenguer, José; Hidalgo, Aurelio. Thermostability engineering of a class II pyruvate aldolase from <i>Escherichia coli</i> by in vivo folding interference. // <i>ACS sustainable chemistry &amp; engineering</i> . <b>9</b> (2021), 15; 5430-5436 | 9,224 (2021.) | 9,458 (2021.) | CHEMISTRY, MULTIDISCIPLINARY             | Q1 | 3,361 (2021.) |
|     |  |               |               | ENGINEERING, CHEMICAL                    | Q1 | 3,289 (2021.) |
|     |  |               |               | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q1 | 5,655 (2021.) |
| 15. | Briševac, Zlatko; Pollak, Davor; Maričić, Ana; Vlahek, Andreja. Modulus of elasticity for grain-supported carbonates—determination and estimation for preliminary engineering purposes. // <i>Applied sciences (Basel)</i> . <b>11</b> (2021), 13; 6148, 18  | 2,838 (2021.) | 2,921 (2021.) | CHEMISTRY, MULTIDISCIPLINARY             | Q3 | 3,361 (2021.) |
|     |  |               |               | ENGINEERING, MULTIDISCIPLINARY           | Q2 | 2,342 (2021.) |
|     |  |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q3 | 3,786 (2021.) |
|     |  |               |               | PHYSICS, APPLIED                         | Q2 | 2,748 (2021.) |
| 16. | Brusač, Edvin; Jeličić, Mario-Livio; Cvetnić, Matija; Amidžić Klarić, Daniela; Nigović, Biljana; Mornar, Ana. A comprehensive approach to compatibility testing using chromatographic, thermal and spectroscopic techniques: evaluation of potential for a monolayer fixed-dose combination of 6-mercaptopurine and folic acid. // <i>Pharmaceuticals</i> . <b>14</b> (2021), 3; 274, 16   | 5,215 (2021.) | 5,711 (2021.) | CHEMISTRY, MEDICINAL                     | Q2 | 3,727 (2021.) |
|     |  |               |               | PHARMACOLOGY & PHARMACY                  | Q1 | 3,580 (2021.) |
| 17. | Buhin Šturlić, Zrinka; Leskovac, Mirela; Lučić Blagojević, Sanja. Influence of silica surface modification on poly (butyl acrylate-co-methyl methacrylate)/silica emulsion stability. // <i>International journal of surface science and engineering</i> . <b>15</b> (2021), 4; 307-321  | 0,944 (2021.) | 0,957 (2021.) | ENGINEERING, MECHANICAL                  | Q4 | 2,523 (2021.) |
|     |  |               |               | MATERIALS SCIENCE, COATINGS & FILMS      | Q4 | 3,234 (2021.) |
|     |  |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q4 | 3,786 (2021.) |
|     |  |               |               | PHYSICS, APPLIED                         | Q4 | 2,748 (2021.) |
| 18. | Česnik Katulić, Morana; Sudar, Martina; Hernández, Karel; Qi, Yuyin; Charnock, Simon J.; Vasić-Rački, Đurđica; Clapés, Pere; Findrik Blažević, Zvezdana. Cascade synthesis of L-homoserine catalyzed by lyophilized whole cells containing transaminase and aldolase activities: The mathematical modeling approach. // <i>Industrial &amp; engineering chemistry research</i> . <b>60</b> (2021), 38; 13846-13858   | 4,326 (2021.) | 4,367 (2021.) | ENGINEERING, CHEMICAL                    | Q2 | 3,289 (2021.) |
| 19. | Čižmar, Tihana; Panžić, Ivana; Capan, Ivana; Gajović, Andreja. Nanostructured TiO <sub>2</sub> photocatalyst modified with Cu for improved imidacloprid  | 7,392 (2021.) | 6,596 (2021.) | CHEMISTRY, PHYSICAL                      | Q2 | 3,841 (2021.) |
|     |  |               |               | MATERIALS SCIENCE, COATINGS & FILMS      | Q1 | 3,234 (2021.) |

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|-----|--|----------------|----------------|--|----|---------------|
|     | degradation. // <i>Applied surface science</i> . <b>569</b> (2021) ; 151026, 10  |                |                | PHYSICS, APPLIED                         | Q1 | 2,748 (2021.) |
|     |  |                |                | PHYSICS, CONDENSED MATTER                | Q1 | 3,097 (2021.) |
| 20. | Čurić, Iva; Dolar, Davor; Bošnjak, Jelena. Reuse of textile wastewater for dyeing cotton knitted fabric with hybrid treatment: Coagulation/sand filtration/UF/NF-RO. // <i>Journal of environmental management</i> . <b>295</b> (2021) ; 113133, 8   | 8,910 (2021.)  | 8,549 (2021.)  | ENVIRONMENTAL SCIENCES                   | Q1 | 3,692 (2021.) |
| 21. | Čurić, Iva; Dolar, Davor; Karadakić, Klara. Textile wastewater reusability in knitted fabric washing processes using UF membrane technology. // <i>Journal of cleaner production</i> . <b>299</b> (2021) ; 126899, 10  | 11,072 (2021.) | 11,016 (2021.) | ENGINEERING, ENVIRONMENTAL               | Q1 | 4,427 (2021.) |
|     |  |                |                | ENVIRONMENTAL SCIENCES                   | Q1 | 3,692 (2021.) |
|     |  |                |                | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q1 | 5,655 (2021.) |
| 22. | Ćurković, Lidija; Otmačić Ćurković, Helena; Žmak, Irena; Kerolli Mustafa, Mihone; Gabelica, Ivana. Corrosion behavior of amorphous sol-gel TiO <sub>2</sub> -ZrO <sub>2</sub> nano thickness film on stainless steel. // <i>Coatings</i> . <b>11</b> (2021) , 8; 988, 14   | 3,236 (2021.)  | 3,312 (2021.)  | MATERIALS SCIENCE, COATINGS & FILMS      | Q2 | 3,234 (2021.) |
|     |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q3 | 3,786 (2021.) |
|     |  |                |                | PHYSICS, APPLIED                         | Q2 | 2,748 (2021.) |
| 23. | dela Rosa, Francis M.; Papac, Josipa; García-Ballesteros, Sara; Kovačić, Marin; Katančić, Zvonimir; Kušić, Hrvoje; Lončarić Božić, Ana. Solar light activation of persulfate by TiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> layered composite films for degradation of amoxicillin: degradation mechanism, matrix effects, and toxicity assessments. // <i>Advanced sustainable systems</i> . <b>5</b> (2021) , 11; 2100119, 14 | 6,737 (2021.)  | 6,627 (2021.)  | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q2 | 5,655 (2021.) |
|     |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q2 | 3,786 (2021.) |
| 24. | Djaković, Senka; Glavaš-Obrovac, Ljubica; Lapić, Jasmina; Maračić, Silvija; Kirchofer, Juraj; Knežević, Marija; Jukić, Marijana; Raić-Malić, Silvana. Synthesis and biological evaluations of mono- and bis-ferrocene uracil derivatives. // <i>Applied organometallic chemistry</i> . <b>35</b> (2021) , 1; e6052, 16   | 4,072 (2021.)  | 3,796 (2021.)  | CHEMISTRY, APPLIED                       | Q2 | 2,512 (2021.) |
|     |  |                |                | CHEMISTRY, INORGANIC & NUCLEAR           | Q1 | 2,448 (2021.) |
| 25. | Djaković, Senka; Maračić, Silvija; Lapić, Jasmina; Kovalski, Eduard, Hildebrandt, Alexander; Lang, Heinrich; Vrček, Valerije; Raić-Malić, Silvana; Cetina, Mario. Triazole-tethered ferrocene-quinoline conjugates: solid-state structure analysis, electrochemistry and theoretical calculations. // <i>Structural chemistry</i> . <b>32</b> (2021) , 6; 2291-2301  | 1,795 (2021.)  | 1,477 (2021.)  | CHEMISTRY, MULTIDISCIPLINARY             | Q3 | 3,361 (2021.) |
|     |  |                |                | CHEMISTRY, PHYSICAL                      | Q4 | 3,841 (2021.) |
|     |  |                |                | CRYSTALLOGRAPHY                          | Q3 | 2,358 (2021.) |
| 26. | Dokli, Irena; Milčić, Nevena; Marin, Petra; Svetec Miklenić, Marina; Sudar, Martina; Tang, Lixia; Findrik Blažević, Zvezdana; Majerić Elenkov, Maja. Halohydrin dehalogenase-catalysed synthesis of fluorinated aromatic chiral building blocks. // <i>Catalysis communications</i> . <b>152</b> (2021) ; 106285, 5  | 3,510 (2021.)  | 3,501 (2021.)  | CHEMISTRY, PHYSICAL                      | Q2 | 3,841 (2021.) |

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|-----|--|----------------|----------------|--|----|---------------|
| 27. | Duplančić, Marina; Gomzi, Vjieran; Pintar, Albin; Kurajica, Stanislav; Tomašić, Vesna. Experimental and theoretical (ReaxFF) study of manganese-based catalysts for low-temperature toluene oxidation. // <i>Ceramics international</i> . <b>47</b> (2021) , 3; 3108-3121  | 5,532 (2021.)  | 4,683 (2021.)  | MATERIALS SCIENCE, CERAMICS                      | Q1 | 1,814 (2021.) |
| 28. | El Assimi, Taha; Blažić, Roko; Raihane, Mustapha; El Meziane, Abdellatif; Baouab, Mohamed Hassen V.; Khouloud, Mehdi; Beniazza, Redouane; Kricheldorf, Hans; Lahcini, Mohammed. Polylactide/cellulose acetate biocomposites as potential coating membranes for controlled and slow nutrients release from water-soluble fertilizers. // <i>Progress in organic coatings</i> . <b>156</b> (2021) ; 106255, 10 | 6,206 (2021.)  | 5,470 (2021.)  | CHEMISTRY, APPLIED                               | Q1 | 2,512 (2021.) |
|     |  |                |                | MATERIALS SCIENCE, COATINGS & FILMS              | Q1 | 3,234 (2021.) |
| 29. | Findrik Blažević, Zvezdana; Milčić, Nevena; Sudar, Martina; Majerić Elenkov, Maja. Halohydrin dehalogenases and their potential in industrial application – a viewpoint of enzyme reaction engineering. // <i>Advanced synthesis &amp; catalysis</i> . <b>363</b> (2021) , 2; 388-410  | 5,981 (2021.)  | 5,302 (2021.)  | CHEMISTRY, APPLIED                               | Q1 | 2,512 (2021.) |
|     |  |                |                | CHEMISTRY, ORGANIC                               | Q1 | 2,226 (2021.) |
| 30. | Gabelica, Ivana; Čurković, Lidija; Mandić, Vilko; Panžić, Ivana; Ljubas, Davor; Zadro, Krešo. Rapid microwave-assisted synthesis of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /TiO <sub>2</sub> core-2-layer-shell nanocomposite for photocatalytic degradation of ciprofloxacin. // <i>Catalysts</i> . <b>11</b> (2021), 10; 1136, 19  | 4,501 (2021.)  | 4,641 (2021.)  | CHEMISTRY, PHYSICAL                              | Q2 | 3,841 (2021.) |
| 31. | Gojun, Martin; Ljubić, Anabela; Bačić, Matea; Jurinjak Tušek, Ana; Šalić, Anita; Zelić, Bruno. Model-to-model: comparison of mathematical process models of lipase catalysed biodiesel production in a microreactor. // <i>Computers &amp; chemical engineering</i> . <b>145</b> (2021) ; 107200, 14   | 4,130 (2021.)  | 4,062 (2021.)  | COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS | Q2 | 3,702 (2021.) |
|     |  |                |                | ENGINEERING, CHEMICAL                            | Q2 | 3,289 (2021.) |
| 32. | Gojun, Martin; Šalić, Anita; Zelić, Bruno. Integrated microsystems for lipase-catalysed biodiesel production and glycerol removal by extraction or ultrafiltration. // <i>Renewable energy</i> . <b>180</b> (2021) ; 213-221   | 8,634 (2021.)  | 8,394 (2021.)  | ENERGY & FUELS                                   | Q1 | 4,863 (2021.) |
|     |  |                |                | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY         | Q2 | 5,655 (2021.) |
| 33. | Gomzi, Vjieran; Movre Šapić, Iva ; Vidak, Andrej. ReaxFF force field development and application for toluene adsorption on MnMO <sub>x</sub> (M = Cu, Fe, Ni) catalysts. // <i>Journal of physical chemistry. A</i> . <b>125</b> (2021) , 50; 10649-10656  | 2,944 (2021.)  | 2,770 (2021.)  | CHEMISTRY, PHYSICAL                              | Q3 | 3,841 (2021.) |
|     |  |                |                | PHYSICS, ATOMIC, MOLECULAR & CHEMICAL            | Q2 | 2,726 (2021.) |
| 34. | Govorčin Bajsić, Emi; Zdraveva, Emilija; Holjevac Grgurić, Tamara; Slivac, Igor; Tominac Trcin, Mirna; Mrkonjić, Nikolina; Kuzmić, Sunčica; Dolenec, Tamara; Vrgoč Zimić, Ivana; Mijović, Budimir. Preparation and characterization of electrospun PCL/silk fibroin scaffolds. // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 1; 31-42  | 1,677 (2021.)  | 1,934 (2021.)  | BIOTECHNOLOGY & APPLIED MICROBIOLOGY             | Q4 | 3,414 (2021.) |
|     |  |                |                | ENGINEERING, CHEMICAL                            | Q3 | 3,289 (2021.) |
| 35. | Grčić, Ivana; Koprivanac, Natalija; Li Puma, Gianluca. Modeling the photocatalytic oxidation of carboxylic acids on aqueous TiO <sub>2</sub> suspensions   | 16,744 (2021.) | 14,610 (2021.) | ENGINEERING, CHEMICAL                            | Q1 | 3,289 (2021.) |

|     |   |                |                |  |    |               |
|-----|---|----------------|----------------|--|----|---------------|
|     | and on immobilized TiO <sub>2</sub> -chitosan thin films in different reactor geometries irradiated by UVA or UVC light sources. // <i>Chemical engineering journal</i> . <b>422</b> (2021) ; 130104  |                |                | ENGINEERING, ENVIRONMENTAL             | Q1 | 4,427 (2021.) |
| 36. | Gretić, Matija; Štanfel, Mateja; Barbarić, Joško; Rimac, Nikola; Matijašić, Gordana. In vitro behavior of dronedarone hydrochloride loaded pellets using vacuum impregnation technique. // <i>European journal of pharmaceuticals and biopharmaceutics</i> . <b>162</b> (2021) ; 70-81  | 5,589 (2021.)  | 6,096 (2021.)  | PHARMACOLOGY & PHARMACY                | Q1 | 3,580 (2021.) |
| 37. | Grgić, Ivana; Čižmek, Ana-Marija; Babić, Sandra; Ljubas, Davor; Rožman, Marko. UV filters as a driver of the antibiotic pollution in different water matrices. // <i>Journal of environmental management</i> . <b>289</b> (2021) ; 112389, 6  | 8,910 (2021.)  | 8,549 (2021.)  | ENVIRONMENTAL SCIENCES                 | Q1 | 3,692 (2021.) |
| 38. | Groš, Josip; Raos, Pero; Leskovic, Mirela. Research of protective coatings application on polymer formulations made by additive technology. // <i>Tehnički vjesnik</i> . <b>28</b> (2021) , 4; 1415-1424  | 0,864 (2021.)  | 0,789 (2021.)  | ENGINEERING, MULTIDISCIPLINARY         | Q4 | 2,342 (2021.) |
| 39. | Gutiérrez, Marina; Grillini, Vittoria; Mutavdžić Pavlović, Dragana; Verlicchi, Paola. Activated carbon coupled with advanced biological wastewater treatment: a review of the enhancement in micropollutant removal. // <i>Science of the total environment</i> . <b>790</b> (2021) ; 148050, 20  | 10,753 (2021.) | 10,237 (2021.) | ENVIRONMENTAL SCIENCES                 | Q1 | 3,692 (2021.) |
| 40. | Habuda-Stanić, Mirna; Tutić, Ana; Kučić Grgić, Dajana; Zeko-Pivač, Anđela; Burilo, Anamarija; Paixão, Susana; Teixeira, Veronica; Pagaimo, Mariana; Pala, Aysegul; Ergović Ravančić, Maja; Šiljeg, Mario. Adsorption of humic acid from water using chemically modified bituminous coal-based activated carbons. // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 2; 189-203 | 1,677 (2021.)  | 1,934 (2021.)  | BIOTECHNOLOGY & APPLIED MICROBIOLOGY   | Q4 | 3,414 (2021.) |
|     |   |                |                | ENGINEERING, CHEMICAL                  | Q3 | 3,289 (2021.) |
| 41. | Halilović, Asila; Mešić, Vanes; Hasović, Elvedin; Vidak, Andrej. Teaching upper-secondary students about conservation of mechanical energy: two variants of the system approach to energy analysis. // <i>Journal of Baltic science education</i> . <b>20</b> (2021) , 2; 223-236   | 1,232 (2021.)  | 1,075 (2021.)  | EDUCATION & EDUCATIONAL RESEARCH       | Q4 | 2,453 (2021.) |
| 42. | Hari, Vjeran; Begović Kovač, Erna. On the convergence of complex Jacobi methods. // <i>Linear and multilinear algebra</i> . <b>69</b> (2021) , 3; 489-514   | 1,178 (2021.)  | 1,201 (2021.)  | MATHEMATICS                            | Q2 | 0,967 (2021.) |
| 43. | Ivanišević, Ana; Brzović Rajić, Valentina; Pilipović, Ana; Par, Matej; Ivanković, Hrvoje; Baraba, Anja. Compressive strength of conventional glass ionomer cement modified with TiO <sub>2</sub> nanopowder and marine-derived HAp micropowder. // <i>Materials</i> . <b>14</b> (2021) , 17; 4964, 9  | 3,748 (2021.)  | 4,042 (2021.)  | CHEMISTRY, PHYSICAL                    | Q3 | 3,841 (2021.) |
|     |   |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|     |   |                |                | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,864 (2021.) |
|     |   |                |                | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
|     |   |                |                | PHYSICS, CONDENSED MATTER              | Q2 | 3,097 (2021.) |

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|-----|---|---------------|---------------|--|----|---------------|
| 44. | Ivanišević, Irena; Milardović, Stjepan; Kassal, Petar.<br>Recent advances in (bio)chemical sensors for food safety and quality based on silver nanomaterials. // <i>Food technology and biotechnology</i> . <b>59</b> (2021) , 2; 216-237   | 2,330 (2021.) | 4,298 (2021.) | BIOTECHNOLOGY & APPLIED MICROBIOLOGY   | Q4 | 3,414 (2021.) |
|     |   |               |               | FOOD SCIENCE & TECHNOLOGY              | Q3 | 3,224 (2021.) |
| 45. | Ivanišević, Irena; Milardović, Stjepan; Kassal, Petar; Zlatar, Matej.<br>Electrochemical and spectroscopic characterization of AgNP suspension stability influenced by strong inorganic acids. // <i>Electrochimica acta</i> . <b>377</b> (2021) , 138126, 11   | 7,336 (2021.) | 6,432 (2021.) | ELECTROCHEMISTRY                       | Q1 | 4,308 (2021.) |
| 46. | Ivanišević, Irena; Milardović, Stjepan; Ressler, Antonia; Kassal, Petar.<br>Fabrication of an all-solid-state ammonium paper electrode using a graphite-polyvinyl butyral transducer layer. // <i>Chemosensors</i> . <b>9</b> (2021) , 12; 333, 16  | 4,229 (2021.) | 4,265 (2021.) | CHEMISTRY, ANALYTICAL                  | Q2 | 3,191 (2021.) |
|     |   |               |               | ELECTROCHEMISTRY                       | Q3 | 4,308 (2021.) |
|     |   |               |               | INSTRUMENTS & INSTRUMENTATION          | Q1 | 2,493 (2021.) |
| 47. | Jakovac, Marko; Klaser, Teodoro; Radatović, Borna; Bafti, Arijeta; Skoko, Željko; Pavić, Luka; Žic, Mark.<br>Impact of sandblasting on morphology, structure and conductivity of zirconia dental ceramics material. // <i>Materials</i> . <b>14</b> (2021) , 11; 2834, 12   | 3,748 (2021.) | 4,042 (2021.) | CHEMISTRY, PHYSICAL                    | Q3 | 3,841 (2021.) |
|     |   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|     |   |               |               | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,864 (2021.) |
|     |   |               |               | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
|     |   |               |               | PHYSICS, CONDENSED MATTER              | Q2 | 3,097 (2021.) |
| 48. | Jeličić, Mario-Livio; Brusač, Edvin; Kurajica, Stanislav; Cvetnić, Matija; Amidžić Klarić, Daniela; Nigović, Biljana; Mornar, Ana.<br>Thermoanalytical, spectroscopic and chromatographic approach to physicochemical compatibility investigation of 5-aminosalicylates and folic acid. // <i>Croatica chemica acta</i> . <b>94</b> (2021) , 1; 25-33 | 0,659 (2021.) | 1,000 (2021.) | CHEMISTRY, MULTIDISCIPLINARY           | Q4 | 3,361 (2021.) |
| 49. | Jeličić, Mario-Livio; Brusač, Edvin; Kurajica, Stanislav; Cvetnić, Matija; Amidžić Klarić, Daniela; Nigović, Biljana; Mornar, Ana.<br>Drug-drug compatibility evaluation of sulfasalazine and folic acid for fixed-dose combination development using various analytical tools. // <i>Pharmaceutics</i> . <b>13</b> (2021) , 3; 400, 15               | 6,525 (2021.) | 7,227 (2021.) | PHARMACOLOGY & PHARMACY                | Q1 | 3,580 (2021.) |
| 50. | Jeran, Nina; Grdiša, Martina; Varga, Filip; Šatović, Zlatko; Liber, Zlatko; Dabić, Dario; Biošić, Martina.<br>Pyrethrin from Dalmatian pyrethrum ( <i>Tanacetum cinerariifolium</i> /Trevir./Sch. Bip.): biosynthesis, biological activity, methods of extraction and determination. // <i>Phytochemistry reviews</i> . <b>20</b> (2021) , 5; 875-905 | 7,741 (2021.) | 7,943 (2021.) | PLANT SCIENCES                         | Q1 | 2,156 (2021.) |
| 51. | Jurinjak Tušek, Ana; Šalić, Anita; Valinger, Davor; Jurina, Tamara; Benković, Maja; Gajdoš Kljusurić, Jasenka; Zelić, Bruno.<br>The power of microsystem technology in the food industry – going small makes it better. // <i>Innovative food science &amp; emerging technologies</i> . <b>68</b> (2021) ; 102613, 18                                 | 7,104 (2021.) | 7,391 (2021.) | FOOD SCIENCE & TECHNOLOGY              | Q1 | 3,224 (2021.) |



|     |   |               |               |  |    |               |
|-----|---|---------------|---------------|--|----|---------------|
| 52. | Kamboj, Nikhil; Ressler, Antonia; Hussainova, Irina.<br>Bioactive ceramic scaffolds for bone tissue engineering by powder based selective laser processing: a review. // <i>Materials</i> . <b>14</b> (2021) , 18; 5338, 27   | 3,748 (2021.) | 4,042 (2021.) | CHEMISTRY, PHYSICAL                    | Q3 | 3,841 (2021.) |
|     |   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|     |   |               |               | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,864 (2021.) |
|     |   |               |               | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
|     |   |               |               | PHYSICS, CONDENSED MATTER              | Q2 | 3,097 (2021.) |
| 53. | Klačič, Tin; Katić, Jozefina; Namjesnik, Danijel; Jukić, Jasmina; Kovačević, Davor; Begović, Tajana.<br>Adsorption of polyions on flat TiO <sub>2</sub> surface. // <i>Minerals</i> . <b>11</b> (2021) , 11; 1164, 17   | 2,818 (2021.) | 2,989 (2021.) | GEOCHEMISTRY & GEOPHYSICS              | Q2 | 2,673 (2021.) |
|     |   |               |               | MINERALOGY                             | Q2 | 2,028 (2021.) |
|     |   |               |               | MINING & MINERAL PROCESSING            | Q2 | 2,601 (2021.) |
| 54. | Kocijan, Martina; Ćurković, Lidija; Ljubas, Davor; Mužina, Katarina; Bačić, Ivana; Radošević, Tina; Podlogar, Matejka; Bdikin, Igor; Otero-Irurueta, Gonzalo; Hortiguera, Maria; Goncalves, Gil.<br>Graphene-based TiO <sub>2</sub> nanocomposite for photocatalytic degradation of dyes in aqueous solution under solar-like radiation. // <i>Applied sciences (Basel)</i> . <b>11</b> (2021) , 9; 3966, 15        | 2,838 (2021.) | 2,921 (2021.) | CHEMISTRY, MULTIDISCIPLINARY           | Q3 | 3,361 (2021.) |
|     |   |               |               | ENGINEERING, MULTIDISCIPLINARY         | Q2 | 2,342 (2021.) |
|     |   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|     |   |               |               | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
| 55. | Kojić, Vedran; Bohač, Mario; Bafti, Arijeta; Pavić, Luka; Salamon, Krešimir; Čižmar, Tihana; Gracin, Davor; Juraić, Krunoslav; Leskovac, Mirela; Capan, Ivana; Gajović, Andreja.<br>Formamidinium lead iodide perovskite films with polyvinylpyrrolidone additive for active layer in perovskite solar cells, enhanced stability and electrical conductivity. // <i>Materials</i> . <b>14</b> (2021) , 16; 4594, 18 | 3,748 (2021.) | 4,042 (2021.) | CHEMISTRY, PHYSICAL                    | Q3 | 3,841 (2021.) |
|     |   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|     |   |               |               | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,864 (2021.) |
|     |   |               |               | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
|     |   |               |               | PHYSICS, CONDENSED MATTER              | Q2 | 3,097 (2021.) |
| 56. | Kosar, Vanja; Kurt, Filip; Tomašić, Vesna; Zelić, Ivana Elizabeta.<br>Analysis and modelling of photodegradation of neonicotinoid insecticides under the influence of UVA-LED radiation. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>134</b> (2021) , 2; 989-1001   | 1,843 (2021.) | 1,589 (2021.) | CHEMISTRY, PHYSICAL                    | Q4 | 3,841 (2021.) |
| 57. | Kremer, Irma; Tomić, Tihomir; Katančić, Zvonimir; Erceg, Matko; Papuga, Saša; Parlov Vuković, Jelena; Schneider, Daniel Rolph.<br>Catalytic pyrolysis of mechanically non-recyclable waste plastics mixture: Kinetics and pyrolysis in laboratory-scale reactor. // <i>Journal of environmental management</i> . <b>296</b> (2021) , 113145, 11   | 8,910 (2021.) | 8,549 (2021.) | ENVIRONMENTAL SCIENCES                 | Q1 | 3,692 (2021.) |
| 58. | Kremer, Irma; Tomić, Tihomir; Katančić, Zvonimir; Hrnjak-Murgić, Zlata; Erceg, Matko; Schneider, Daniel Rolph.  | 4,700 (2021.) | 3,984 (2021.) | ENGINEERING, ENVIRONMENTAL             | Q3 | 4,427 (2021.) |

|     |   |               |               |  |    |               |
|-----|---|---------------|---------------|--|----|---------------|
|     | Catalytic decomposition and kinetic study of mixed plastic waste. // <i>Clean technologies and environmental policy</i> . <b>23</b> (2021) , 3; 811-827   |               |               | ENVIRONMENTAL SCIENCES                   | Q2 | 3,692 (2021.) |
|     |   |               |               | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q3 | 5,655 (2021.) |
| 59. | Kučić Grgić, Dajana; Miloloža, Martina; Lovrinčić, Ema; Kovačević, Antonija; Cvetnić, Matija; Ocelić Bulatović, Vesna; Prevarić, Viktorija; Bule, Kristina; Ukić, Šime; Markić, Marinko; Bolanča, Tomislav. Bioremediation of MP-polluted waters using bacteria <i>Bacillus licheniformis</i> , <i>Lysinibacillus massiliensis</i> , and mixed culture of <i>Bacillus</i> sp. and <i>Delftia acidovorans</i> . // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 2; 205-224 | 1,677 (2021.) | 1,934 (2021.) | BIOTECHNOLOGY & APPLIED MICROBIOLOGY     | Q4 | 3,414 (2021.) |
|     |   |               |               | ENGINEERING, CHEMICAL                    | Q3 | 3,289 (2021.) |
| 60. | Kurajica, Stanislav; Mali, Gregor; Mandić, Vilko; Simčić, Ivan; Matijašić, Gordana; Mužina, Katarina. Tailoring microstructural, textural and thermal properties of $\gamma$ -alumina by modifying aluminum sec-butoxide with ethyl acetoacetate within a sol-gel synthesis. // <i>Journal of physics and chemistry of solids</i> . <b>148</b> (2021) ; 109783, 11  | 4,383 (2021.) | 3,836 (2021.) | CHEMISTRY, MULTIDISCIPLINARY             | Q2 | 3,361 (2021.) |
|     |   |               |               | PHYSICS, CONDENSED MATTER                | Q2 | 3,097 (2021.) |
| 61. | Kurajica, Stanislav; Mužina, Katarina; Keser, Sabina; Dražić, Goran; Munda, Ivana Katarina. Assessment of cell toxicity and oxidation catalytic activity of nanosized zinc-doped ceria UV filter. // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 2; 157-164  | 1,677 (2021.) | 1,934 (2021.) | BIOTECHNOLOGY & APPLIED MICROBIOLOGY     | Q4 | 3,414 (2021.) |
|     |   |               |               | ENGINEERING, CHEMICAL                    | Q3 | 3,289 (2021.) |
| 62. | Kurajica, Stanislav; Šipušić, Juraj; Zupancic, Martina; Brautović, Igor; Albrecht, Martin. ZnO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass ceramics: Influence of composition on crystal phases, crystallite size and appearance. // <i>Journal of non-crystalline solids</i> . <b>553</b> (2021) ; 120481, 8  | 4,458 (2021.) | 3,780 (2021.) | MATERIALS SCIENCE, CERAMICS              | Q1 | 1,814 (2021.) |
|     |   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q2 | 3,786 (2021.) |
| 63. | Lončar, Borka; Perin, Nataša; Mioč, Marija; Boček, Ida; Grgić, Lea; Kralj, Marijeta; Tomić, Sanja; Radić Stojković, Marijana; Hranjec, Marijana. Novel amino substituted tetracyclic imidazo[4,5-b]pyridine derivatives: Design, synthesis, antiproliferative activity and DNA/RNA binding study. // <i>European journal of medicinal chemistry</i> . <b>217</b> (2021) ; 113342, 18  | 7,088 (2021.) | 6,427 (2021.) | CHEMISTRY, MEDICINAL                     | Q1 | 3,727 (2021.) |
| 64. | Lončarević, Andrea; Ivanković, Marica; Rogina, Anamarija. Electrosprayed chitosan-copper complex microspheres with uniform size. // <i>Materials</i> . <b>14</b> (2021), 19; 5630, 16   | 3,748 (2021.) | 4,042 (2021.) | CHEMISTRY, PHYSICAL                      | Q3 | 3,841 (2021.) |
|     |   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q3 | 3,786 (2021.) |
|     |   |               |               | METALLURGY & METALLURGICAL ENGINEERING   | Q1 | 1,864 (2021.) |
|     |   |               |               | PHYSICS, APPLIED                         | Q2 | 2,748 (2021.) |
|     |   |               |               | PHYSICS, CONDENSED MATTER                | Q2 | 3,097 (2021.) |

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|-----|--|---------------|---------------|--|----|---------------|
| 65. | Lukić, Marija; Vrsaljko, Domagoj.<br>Effect of channel dimension on biodiesel yield in millireactors produced by stereolithography. // <i>International journal of green energy</i> . <b>18</b> (2021) , 2; 156-165  | 3,206 (2021.) | 2,642 (2021.) | ENERGY & FUELS                           | Q3 | 4,863 (2021.) |
|     |  |               |               | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q4 | 5,655 (2021.) |
|     |  |               |               | THERMODYNAMICS                           | Q2 | 2,566 (2021.) |
| 66. | Ljubek, Gabrijela; Čapeta, Davor; Šrut Rakić, Iva; Kraljić Roković, Marijana.<br>Energetically efficient and electrochemically tuneable exfoliation of graphite: process monitoring and product characterization. // <i>Journal of materials science</i> . <b>56</b> (2021) , 18; 10859-10875  | 4,682 (2021.) | 4,128 (2021.) | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q2 | 3,786 (2021.) |
| 67. | Mahović Poljaček, Sanja; Priselac, Dino; Stanković Elesini, Urška; Leskovšek, Mirjam; Leskovic, Mirela.<br>Preparation, properties and laser processing of poly( $\epsilon$ -caprolactone)/poly(lactic acid) blends with addition of natural fibres as a potential for printing plates application. // <i>Polymer engineering and science</i> , <b>61</b> (2021), 9; 2295-2310 | 2,573 (2021.) | 2,352 (2021.) | ENGINEERING, CHEMICAL                    | Q3 | 3,289 (2021.) |
|     |  |               |               | POLYMER SCIENCE                          | Q3 | 2,984 (2021.) |
| 68. | Maračić, Silvija; Grbčić, Petra; Shanmugam, Suresh; Radić Stojković, Marijana; Pavelić, Krešimir; Sedić, Mirela; Kraljević Pavelić, Sandra; Raić-Malić, Silvana.<br>Amidine- and amidoxime-substituted heterocycles: Synthesis, antiproliferative evaluations and DNA binding. // <i>Molecules</i> . <b>26</b> (2021) , 22; 7060, 22   | 4,927 (2021.) | 5,110 (2021.) | BIOCHEMISTRY & MOLECULAR BIOLOGY         | Q2 | 4,228 (2021.) |
|     |  |               |               | CHEMISTRY, MULTIDISCIPLINARY             | Q2 | 3,361 (2021.) |
| 69. | Martinez, Sanja; Šoić, Ivana; Špada, Vedrana.<br>Unified equivalent circuit of dielectric permittivity and porous coating formalisms for EIS probing of thick industrial grade coatings. // <i>Progress in organic coatings</i> . <b>153</b> (2021) ; 106155, 15   | 6,206 (2021.) | 5,470 (2021.) | CHEMISTRY, APPLIED                       | Q1 | 2,512 (2021.) |
|     |  |               |               | MATERIALS SCIENCE, COATINGS & FILMS      | Q1 | 3,234 (2021.) |
| 70. | Masdeu, Gerard; Findrik Blažević, Zvezdana; Kralj, Slavko; Makovec, Darko; López-Santín, Josep; Álvaro, Gregorio.<br>Multi-reaction kinetic modeling for the peroxidase-aldolase cascade synthesis of a D-fagomine precursor. // <i>Chemical engineering science</i> . <b>239</b> (2021) ; 116602, 11  | 4,889 (2021.) | 4,640 (2021.) | ENGINEERING, CHEMICAL                    | Q2 | 3,289 (2021.) |
| 71. | Matić, Petra; Ukić, Šime; Jakobek, Lidija.<br>Interactions of phenolic acids and $\beta$ -glucan: Studies of adsorption isotherms and thermodynamics. // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 2; 177-187   | 1,677 (2021.) | 1,934 (2021.) | BIOTECHNOLOGY & APPLIED MICROBIOLOGY     | Q4 | 3,414 (2021.) |
|     |  |               |               | ENGINEERING, CHEMICAL                    | Q3 | 3,289 (2021.) |
| 72. | Mikac, Lara; Kovačević, Ema; Ukić, Šime; Raić, Matea; Jurkin, Tanja; Marić, Ivan; Gorić, Marijan; Ivanda, Mile<br>Detection of multi-class pesticide residues with surface-enhanced Raman spectroscopy // <i>Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy</i> . <b>252</b> (2021) ; 119478, 9  | 4,831 (2021.) | 4,073 (2021.) | SPECTROSCOPY                             | Q1 | 2,382 (2021.) |
| 73. | Mikić, Dajana; Otmačić Ćurković, Helena; Kosec, Tadeja; Peko, Neven.   | 3,748 (2021.) | 4,042 (2021.) | CHEMISTRY, PHYSICAL                      | Q3 | 3,841 (2021.) |

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|-----|--|---------------|---------------|--|----|---------------|
|     | An electrochemical and spectroscopic study of surfaces on bronze sculptures exposed to urban environment. // <i>Materials</i> . <b>14</b> (2021) , 8; 2063, 17   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q3 | 3,786 (2021.) |
|     |  |               |               | METALLURGY & METALLURGICAL ENGINEERING   | Q1 | 1,864 (2021.) |
|     |  |               |               | PHYSICS, APPLIED                         | Q2 | 2,748 (2021.) |
|     |  |               |               | PHYSICS, CONDENSED MATTER                | Q2 | 3,097 (2021.) |
| 74. | Miloloža, Martina; Bule, Kristina; Ukić, Šime; Cvetnić, Matija; Bolanča, Tomislav; Kušić, Hrvoje; Ocelić Bulatović, Vesna; Kučić Grgić, Dajana.<br>Ecotoxicological determination of microplastic toxicity on algae <i>Chlorella</i> sp.: response surface modeling approach. // <i>Water, air and soil pollution</i> . <b>232</b> (2021) , 8; 327, 16 | 2,984 (2021.) | 2,982 (2021.) | ENVIRONMENTAL SCIENCES                   | Q3 | 3,692 (2021.) |
|     |  |               |               | METEOROLOGY & ATMOSPHERIC SCIENCES       | Q3 | 3,511 (2021.) |
|     |  |               |               | WATER RESOURCES                          | Q3 | 2,984 (2021.) |
| 75. | Miloloža, Martina; Kučić Grgić, Dajana; Bolanča, Tomislav; Ukić, Šime; Cvetnić, Matija; Ocelić Bulatović, Vesna; Dionysiou, Dionysios D.; Kušić, Hrvoje.<br>Ecotoxicological assessment of microplastics in freshwater sources—a review. // <i>Water</i> . <b>13</b> (2021) , 1; 56, 26  | 3,530 (2021.) | 3,628 (2021.) | ENVIRONMENTAL SCIENCES                   | Q2 | 3,692 (2021.) |
|     |  |               |               | WATER RESOURCES                          | Q2 | 2,984 (2021.) |
| 76. | Mlakić, Milena; Čadež, Tena; Barić, Danijela; Puček, Ivana; Ratković, Ana; Marinić, Željko; Lasić, Kornelija; Kovarik, Zrinka; Škorić, Irena.<br>New uncharged 2-thienostilbene oximes as reactivators of organophosphate-inhibited cholinesterases. // <i>Pharmaceuticals</i> . <b>14</b> (2021) , 11; 1147, 21                                       | 5,215 (2021.) | 5,711 (2021.) | CHEMISTRY, MEDICINAL                     | Q2 | 3,727 (2021.) |
|     |  |               |               | PHARMACOLOGY & PHARMACY                  | Q1 | 3,580 (2021.) |
| 77. | Mlakić, Milena; Šalić, Anita; Bačić, Matea; Zelić, Bruno, Šagud, Ivana; Horváth, Ottó; Škorić, Irena.<br>Photocatalytic oxygenation of heterostilbenes – batch versus microflow reactor. // <i>Catalysts</i> . <b>11</b> (2021) , 3; 395, 16   | 4,501 (2021.) | 4,641 (2021.) | CHEMISTRY, PHYSICAL                      | Q2 | 3,841 (2021.) |
| 78. | Modrić, Marina; Božičević, Marin; Faraho, Ivan; Bosnar, Martina; Škorić, Irena.<br>Design, synthesis and biological evaluation of new 1,3-thiazole derivatives as potential anti-inflammatory agents. // <i>Journal of molecular structure</i> . <b>1239</b> (2021) ; 130526, 12   | 3,841 (2021.) | 3,138 (2021.) | CHEMISTRY, PHYSICAL                      | Q3 | 3,841 (2021.) |
| 79. | Mujezinović, Adnan; Martinez, Sanja.<br>Application of the continuous wavelet cross-correlation between pipe-to-soil potential and pipe-to-rail voltage influenced by dynamic stray current from DC train traction. // <i>IEEE transactions on power delivery</i> . <b>36</b> (2021) , 2; 1015-1023  | 4,825 (2021.) | 5,169 (2021.) | ENGINEERING, ELECTRICAL & ELECTRONIC     | Q1 | 2,680 (2021.) |
| 80. | Mutavdžić Pavlović, Dragana; Ćurković, Lidija; Mandić, Vilko; Macan, Jelena; Šimić, Iva; Blažek, Dijana.<br>Removal of pharmaceuticals from water by tomato waste as novel promising biosorbent: equilibrium, kinetics, and thermodynamics. // <i>Sustainability</i> . <b>13</b> (2021) , 21; 11560, 19  | 3,889 (2021.) | 4,089 (2021.) | ENVIRONMENTAL SCIENCES                   | Q2 | 3,692 (2021.) |
|     |  |               |               | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q3 | 5,655 (2021.) |
| 81. | Mužina, Katarina; Kurajica, Stanislav; Dražić, Goran; Guggenberger, Patrick; Matijašić, Gordana.   | 2,533 (2021.) | 2,464 (2021.) | CHEMISTRY, MULTIDISCIPLINARY             | Q3 | 3,361 (2021.) |
|     |  |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q3 | 3,786 (2021.) |

|     |   |                |                |  |    |               |
|-----|---|----------------|----------------|--|----|---------------|
|     | True doping levels in hydrothermally derived copper-doped ceria. // <i>Journal of nanoparticle research</i> . <b>23</b> (2021) , 7; 149, 14   |                |                | NANOSCIENCE & NANOTECHNOLOGY           | Q4 | 5,508 (2021.) |
| 82. | Ocelić Bulatović, Vesna; Kučić Grgić, Dajana; Mandić, Vilko; Ivanković, Antonio. Biodegradable polymer blends based on thermoplastic starch. // <i>Journal of polymers and the environment</i> . <b>29</b> (2021) , 2; 492-508  | 4,705 (2021.)  | 4,261 (2021.)  | ENGINEERING, ENVIRONMENTAL             | Q2 | 4,427 (2021.) |
|     |   |                |                | POLYMER SCIENCE                        | Q1 | 2,984 (2021.) |
| 83. | Odak, Ilijana; Škorić, Irena; Talić, Stanislava; Škobić, Dragan. Thermal stability and photostability of Satureja montana and Lavandula angustifolia essential oils. // <i>Journal of the Brazilian chemical society</i> . <b>32</b> (2021) , 11; 2078-2085   | 2,135 (2021.)  | 2,065 (2021.)  | CHEMISTRY, MULTIDISCIPLINARY           | Q3 | 3,361 (2021.) |
| 84. | Ondrašek, Gabrijel; Kranjčec, Filip; Filipović, Lana; Filipović, Vilim; Bubalo Kovačić, Marina; Jelovica Badovinac, Ivana; Peter, Robert; Petravić, Mladen; Macan, Jelena; Rengel, Zed. Biomass bottom ash & dolomite similarly ameliorate an acidic low-nutrient soil, improve phytonutrition and growth, but increase Cd accumulation in radish. // <i>Science of the total environment</i> . <b>753</b> (2021) ; 141902, 12  | 10,753 (2021.) | 10,237 (2021.) | ENVIRONMENTAL SCIENCES                 | Q1 | 3,692 (2021.) |
| 85. | Otmačić Čurković, Helena; Ivanko, Marina; Pop Acev, Darko; Kamenar, Ervin; Jelovica Badovinac, Ivana; Špalj, Stjepan. Corrosion of dental alloys used for mini implants in simulated oral environment. // <i>International journal of electrochemical science</i> . <b>16</b> (2021) , 8; 21085, 13   | 1,541 (2021.)  | 1,628 (2021.)  | ELECTROCHEMISTRY                       | Q4 | 4,308 (2021.) |
| 86. | Otmačić Čurković, Helena; Mikić, Dajana; Bera, Luka; Kovačević, Ema; Marcelja, Marijana. Electrochemical characterization of bronze exposed to outdoor atmosphere. // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 2; 165-176   | 1,677 (2021.)  | 1,934 (2021.)  | BIOTECHNOLOGY & APPLIED MICROBIOLOGY   | Q4 | 3,414 (2021.) |
|     |   |                |                | ENGINEERING, CHEMICAL                  | Q3 | 3,289 (2021.) |
| 87. | Panžić, Ivana; Capan, Ivana; Brodar, Tomislav; Bafti, Arijeta; Mandić, Vilko. Structural and electrical characterization of pure and Al-doped ZnO nanorods. // <i>Materials</i> . <b>14</b> (2021) , 23; 7454, 12   | 3,748 (2021.)  | 4,042 (2021.)  | CHEMISTRY, PHYSICAL                    | Q3 | 3,841 (2021.) |
|     |   |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|     |   |                |                | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,864 (2021.) |
|     |   |                |                | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
|     |   |                |                | PHYSICS, CONDENSED MATTER              | Q2 | 3,097 (2021.) |
| 88. | Pena-Pereira, Francisco; Bendicho, Carlos; Mutavdžić Pavlović, Dragana; Martín-Esteban, Antonio; Díaz-Álvarez, Myriam; Pan, Yuwei; Cooper, Jon; Yang, Zhugen; Safarik, Ivo; Pospiskova, Kristyna; Segundo, Marcela A.; Psillakis, Elefteria. Miniaturized analytical methods for determination of environmental contaminants of emerging concern – A review. // <i>Analytica chimica acta</i> . <b>1158</b> (2021) ; 238108, 31 | 6,911 (2021.)  | 6,467 (2021.)  | CHEMISTRY, ANALYTICAL                  | Q1 | 3,191 (2021.) |
| 89. | Perin, Nataša; Cindrić, Maja; Vervaeke, Peter; Liekens, Sandra; Mašek, Tomislav; Starčević, Kristina; Hranjec, Marijana. Benzazole substituted iminocoumarins as potential antioxidants with antiproliferative activity. // <i>Medicinal chemistry</i> . <b>17</b> (2021) , 1; 13-20  | 2,329 (2021.)  | 2,404 (2021.)  | CHEMISTRY, MEDICINAL                   | Q4 | 3,727 (2021.) |

|     |   |               |               |                                      |    |               |
|-----|---|---------------|---------------|--------------------------------------|----|---------------|
| 90. | Perin, Nataša; Hok, Lucija; Beč, Anja; Persoons, Leentje; Vanstreels, Els; Daelemans, Dirk; Vianello, Robert; Hranjec, Marijana.<br>N-substituted benzimidazole acrylonitriles as in vitro tubulin polymerization inhibitors: Synthesis, biological activity and computational analysis. // <i>European journal of medicinal chemistry</i> . <b>211</b> (2021); 113003, 14  | 7,088 (2021.) | 6,427 (2021.) | CHEMISTRY, MEDICINAL                 | Q1 | 3,727 (2021.) |
| 91. | Peršurić, Željka; Kraljević Pavelić, Sandra.<br>Bioactives from bee products and accompanying extracellular vesicles as novel bioactive components for wound healing. // <i>Molecules</i> . <b>26</b> (2021), 12; 3770, 18  | 4,927 (2021.) | 5,110 (2021.) | BIOCHEMISTRY & MOLECULAR BIOLOGY     | Q2 | 4,228 (2021.) |
|     |   |               |               | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,361 (2021.) |
| 92. | Petrić, Vedran; Mandić, Zoran.<br>On the need for simultaneous electrochemical testing of positive and negative electrodes in carbon supercapacitors. // <i>Electrochimica acta</i> . <b>384</b> (2021); 138372, 11   | 7,336 (2021.) | 6,432 (2021.) | ELECTROCHEMISTRY                     | Q1 | 4,308 (2021.) |
| 93. | Popov, Nina; Bošković, Marko; Perović, Marija; Zadro, Krešo; Gilja, Vanja; Kratožil Krehula, Ljerka; Robić, Marko; Marčuš, Marijan; Ristić, Mira; Musić, Svetozar; Stanković, Dalibor; Krehula, Stjepko.<br>Effect of Ru <sup>3+</sup> ions on the formation, structural, magnetic and optical properties of hematite ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ) nanorods. // <i>Journal of magnetism and magnetic materials</i> . <b>538</b> (2021); 168316, 6 | 3,097 (2021.) | 2,828 (2021.) | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q3 | 3,786 (2021.) |
|     |   |               |               | PHYSICS, CONDENSED MATTER            | Q3 | 3,097 (2021.) |
| 94. | Popov, Nina; Ristić, Mira; Robić, Marko; Gilja, Vanja; Kratožil Krehula, Ljerka; Musić, Svetozar; Krehula, Stjepko.<br>Synthesis and properties of Sn-doped $\alpha$ -FeOOH nanoparticles. // <i>Chemical papers</i> . <b>75</b> (2021), 12; 6355-6366  | 2,146 (2021.) | 2,078 (2021.) | CHEMISTRY, MULTIDISCIPLINARY         | Q3 | 3,361 (2021.) |
| 95. | Przykaza, Kacper; Nikolaichuk, Hanna; Kozub, Anna; Tomaszewska-Gras, Jolanta; Peršurić, Željka; Kraljević Pavelić, Sandra; Formal, Emilia.<br>Newly marketed seed oils. What we can learn from the current status of authentication of edible oils. // <i>Food control</i> . <b>130</b> (2021); 108349, 13  | 6,652 (2021.) | 6,498 (2021.) | FOOD SCIENCE & TECHNOLOGY            | Q1 | 3,224 (2021.) |
| 96. | Preißinger, Ulrich; Lukač, Goran; Dejanović, Igor; Grütznert, Thomas.<br>Investigation of control structures for a four-product laboratory multiple dividing-wall column using dynamic simulation. // <i>Chemical engineering &amp; technology</i> . <b>44</b> (2021), 2; 223-237   | 2,215 (2021.) | 2,050 (2021.) | ENGINEERING, CHEMICAL                | Q3 | 3,289 (2021.) |
| 97. | Prevarić, Viktorija; Sigurnjak Bureš, Marija; Cvetnić, Matija; Miloloža, Martina; Kučić Grgić, Dajana; Markić, Marinko; Bule, Kristina; Milković, Marin; Bolanča, Tomislav; Ukić, Šime.<br>The problem of phthalate occurrence in aquatic environment: a review. // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021), 2; 81-104   | 1,677 (2021.) | 1,934 (2021.) | BIOTECHNOLOGY & APPLIED MICROBIOLOGY | Q4 | 3,414 (2021.) |
|     |   |               |               | ENGINEERING, CHEMICAL                | Q3 | 3,289 (2021.) |
| 98. | Ptiček Siročić, Anita; Rešček, Ana; Katančić, Zvonimir; Hrnjak-Murgić, Zlata.<br>Development of PE/PCL bilayer films modified with casein and aluminum oxide. // <i>Molecules</i> . <b>26</b> (2021), 11; 3090, 12  | 4,927 (2021.) | 5,110 (2021.) | BIOCHEMISTRY & MOLECULAR BIOLOGY     | Q2 | 4,228 (2021.) |
|     |   |               |               | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,361 (2021.) |
| 99. | Racané, Livio; Cindrić, Maja; Zlatar, Ivo; Kezele, Tatjana; Milić, Astrid; Brajša, Karmen; Hranjec, Marijana.   | 5,756 (2021.) | 4,983 (2021.) | BIOCHEMISTRY & MOLECULAR BIOLOGY     | Q2 | 4,228 (2021.) |

|      |  |                |                |  |    |               |
|------|--|----------------|----------------|--|----|---------------|
|      | Preclinical in vitro screening of newly synthesized amidino substituted benzimidazoles and benzothiazoles. // <i>Journal of enzyme inhibition and medicinal chemistry</i> . <b>36</b> (2021) , 1; 163-174  |                |                | CHEMISTRY, MEDICINAL                   | Q1 | 3,727 (2021.) |
| 100. | Racané, Livio; Rep, Valentina; Kraljević Pavelić, Sandra; Grbčić, Petra; Zonjić, Iva; Radić Stojković, Marijana; Taylor, Martin C.; Kelly, John M.; Raić-Malić, Silvana. Synthesis, antiproliferative and antitrypanosomal activities, and DNA binding of novel 6-amidino-2-arylbenzothiazoles. // <i>Journal of enzyme inhibition and medicinal chemistry</i> . <b>36</b> (2021) , 1; 1952-1967 | 5,756 (2021.)  | 4,983 (2021.)  | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q2 | 4,228 (2021.) |
|      |  |                |                | CHEMISTRY, MEDICINAL                   | Q1 | 3,727 (2021.) |
| 101. | Racané, Livio; Zlatar, Ivo; Perin, Nataša; Cindrić, Maja; Radovanović, Vedrana; Banjanac, Mihailo; Shanmugam, Suresh; Radić Stojković, Marijana; Brajša, Karmen; Hranjec, Marijana. Biological activity of newly synthesized benzimidazole and benzothiazole 2,5-disubstituted furane derivatives. // <i>Molecules</i> . <b>26</b> (2021) , 16; 4935, 21   | 4,927 (2021.)  | 5,110 (2021.)  | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q2 | 4,228 (2021.) |
|      |  |                |                | CHEMISTRY, MULTIDISCIPLINARY           | Q2 | 3,361 (2021.) |
| 102. | Radić Irena; Runje, Mislav; Babić, Sandra. Development of an analytical method for the determination of pimavanserin and its impurities applying analytical quality by design principles as a risk-based strategy. // <i>Journal of pharmaceutical and biomedical analysis</i> . <b>201</b> (2021) ; 114091, 11  | 3,571 (2021.)  | 3,552 (2021.)  | CHEMISTRY, ANALYTICAL                  | Q2 | 3,191 (2021.) |
|      |  |                |                | PHARMACOLOGY & PHARMACY                | Q3 | 3,580 (2021.) |
| 103. | Ratković, Ana; Mlakić, Milena; Dehaen, Wim; Opsomer, Tomas; Barić, Danijela; Škorić, Irena. Synthesis and photochemistry of novel 1,2,3-triazole di-heterostilbenes. An experimental and computational study. // <i>Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy</i> . <b>261</b> (2021) ; 120056, 14  | 4,831 (2021.)  | 4,073 (2021.)  | SPECTROSCOPY                           | Q1 | 2,382 (2021.) |
| 104. | Ressler, Antonia; Antunović, Maja; Cvetnić, Matija; Ivanković, Marica; Ivanković, Hrvoje. Selenite substituted calcium phosphates: preparation, characterization, and cytotoxic activity. // <i>Materials</i> . <b>14</b> (2021) , 12; 3436, 15  | 3,748 (2021.)  | 4,042 (2021.)  | CHEMISTRY, PHYSICAL                    | Q3 | 3,841 (2021.) |
|      |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,786 (2021.) |
|      |  |                |                | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,864 (2021.) |
|      |  |                |                | PHYSICS, APPLIED                       | Q2 | 2,748 (2021.) |
|      |  |                |                | PHYSICS, CONDENSED MATTER              | Q2 | 3,097 (2021.) |
| 105. | Rezić, Tonči; Vrsalović Presečki, Ana; Kurtanjek, Želimir. New approach to the evaluation of lignocellulose derived by-products impact on lytic-polysaccharide monooxygenase activity by using molecular descriptor structural causality model. // <i>Bioresource technology</i> . <b>342</b> (2021) , 125990, 5   | 11,889 (2021.) | 11,139 (2021.) | AGRICULTURAL ENGINEERING               | Q1 | 1,806 (2021.) |
|      |  |                |                | BIOTECHNOLOGY & APPLIED MICROBIOLOGY   | Q1 | 3,414 (2021.) |
|      |  |                |                | ENERGY & FUELS                         | Q1 | 4,863 (2021.) |

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|------|---|---------------|---------------|--------------------------------------|----|---------------|
| 106. | Rogina, Anamarija; Pušić, Maja; Štefan, Lucija; Ivković, Alan; Urlić, Inga; Ivanković, Marica; Ivanković, Hrvoje.<br>Characterization of chitosan-based scaffolds seeded with sheep nasal chondrocytes for cartilage tissue engineering. // <i>Annals of biomedical engineering</i> . <b>49</b> (2021), 6; 1572-1586  | 4,219 (2021.) | 4,310 (2021.) | ENGINEERING, BIOMEDICAL              | Q2 | 3,981 (2021.) |
| 107. | Rogina, Anamarija; Vidović, Dorina; Antunović, Maja; Ivanković, Marica; Ivanković, Hrvoje.<br>Metal ion-assisted formation of porous chitosan-based microspheres for biomedical applications. // <i>International journal of polymeric materials and polymeric biomaterials</i> . <b>70</b> (2021), 14; 1027-1035   | 3,221 (2021.) | 2,967 (2021.) | MATERIALS SCIENCE, BIOMATERIALS      | Q3 | 4,214 (2021.) |
|      |   |               |               | POLYMER SCIENCE                      | Q2 | 2,984 (2021.) |
| 108. | Ropuš, Ivana; Čurković, Lidija; Mandić, Vilko; Kerolli Mustafa, Mihone; Gabelica, Ivana.<br>Conventional and non-conventional sintering techniques of high purity alumina ceramics. // <i>Tehnički vjesnik</i> . <b>28</b> (2021), 5; 1526-1531   | 0,864 (2021.) | 0,789 (2021.) | ENGINEERING, MULTIDISCIPLINARY       | Q4 | 2,342 (2021.) |
| 109. | Rujnić Havstad, Maja; Juroš, Ljerka; Katančić, Zvonimir; Pilipović, Ana.<br>Influence of home composting on tensile properties of commercial biodegradable plastic films. // <i>Polymers</i> . <b>13</b> (2021), 16; 2785, 17   | 4,967 (2021.) | 5,063 (2021.) | POLYMER SCIENCE                      | Q1 | 2,984 (2021.) |
| 110. | Sakač, Nikola; Madunić-Čačić, Dubravka; Marković, Dean; Hok, Lucija; Vianello, Robert; Šarkanj, Bojan; Đurin, Bojan; Hajdek, Krunoslav; Smoljan, Božo; Milardović, Stjepan; Matasović, Brunislav; Jozanović, Marija.<br>Potentiometric surfactant sensor based on 1,3-dihexadecyl-1H-benzo[d]imidazol-3-ium for anionic surfactants in detergents and household care products. // <i>Molecules</i> . <b>26</b> (2021), 12; 3627, 14                   | 4,927 (2021.) | 5,110 (2021.) | BIOCHEMISTRY & MOLECULAR BIOLOGY     | Q2 | 4,228 (2021.) |
|      |   |               |               | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,361 (2021.) |
| 111. | Sharifi, Tayebbeh; Crmarić, Dora; Kovačić, Marin; Popović, Marin; Kraljić Roković, Marijana; Kušić, Hrvoje; Jozić, Dražan; Ambrožić, Gabriela; Kralj, Damir; Kontrec, Jasminka; Žener, Boštjan; Lavrenčić Štangar, Urška; Dionysiou, Dionysios D.; Lončarić Božić, Ana.<br>Tailored BiVO <sub>4</sub> for enhanced visible-light photocatalytic performance. // <i>Journal of environmental chemical engineering</i> . <b>9</b> (2021), 5; 106025, 15 | 7,968 (2021.) | 7,317 (2021.) | ENGINEERING, CHEMICAL                | Q1 | 3,289 (2021.) |
|      |   |               |               | ENGINEERING, ENVIRONMENTAL           | Q2 | 4,427 (2021.) |
| 112. | Sharifi, Tayebbeh; Jozić, Dražan; Kovačić, Marin; Kušić, Hrvoje; Lončarić Božić, Ana.<br>In-situ high temperature XRD study on thermally induced phase changes of BiVO <sub>4</sub> : The formation of an iso-type heterojunction. // <i>Materials letters</i> . <b>305</b> (2021), 130816, 4   | 3,574 (2021.) | 3,197 (2021.) | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q3 | 3,786 (2021.) |
|      |   |               |               | PHYSICS, APPLIED                     | Q2 | 2,748 (2021.) |
| 113. | Sharifi, Tayebbeh; Mohammadi, Tecush; Mohsen Momeni, Mohamad; Kušić, Hrvoje; Kraljić Roković, Marijana; Lončarić Božić, Ana; Ghayeb, Yousef.<br>Influence of photo-deposited Pt and Pd onto chromium doped TiO <sub>2</sub> nanotubes in photo-electrochemical water splitting for hydrogen generation. // <i>Catalysts</i> . <b>11</b> (2021), 2; 212, 15  | 4,501 (2021.) | 4,641 (2021.) | CHEMISTRY, PHYSICAL                  | Q2 | 3,841 (2021.) |
| 114. | Shi, Zhen; Zhang, Zejun; Huang, Wei; Zeng, Hang; Mandić, Vilko; Hu, Xin; Zhao, Lizhong; Zhang, Xuefeng.<br>Spontaneous adsorption-induced Salvinia-like micropillars with high adhesion. // <i>Langmuir</i> . <b>37</b> (2021), 22; 6728-6735   | 4,331 (2021.) | 4,209 (2021.) | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,361 (2021.) |
|      |   |               |               | CHEMISTRY, PHYSICAL                  | Q2 | 3,841 (2021.) |
|      |   |               |               | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q2 | 3,786 (2021.) |



|      |  |                |                |                                      |    |               |
|------|--|----------------|----------------|--------------------------------------|----|---------------|
| 115. | Sigurnjak Bureš, Marija; Cvetnić, Matija; Míloloža, Martina; Kučić Grgić, Dajana; Markić, Marinko; Kušić, Hrvoje; Bolanča, Tomislav; Rogošić, Marko; Ukić, Šime.<br>Modeling the toxicity of pollutants mixtures for risk assessment: a review. // <i>Environmental chemistry letters</i> . <b>19</b> (2021) , 2; 1629-1655  | 13,615 (2021.) | 12,024 (2021.) | CHEMISTRY, MULTIDISCIPLINARY         | Q1 | 3,361 (2021.) |
|      |  |                |                | ENGINEERING, ENVIRONMENTAL           | Q1 | 4,427 (2021.) |
|      |  |                |                | ENVIRONMENTAL SCIENCES               | Q1 | 3,692 (2021.) |
| 116. | Sigurnjak Bureš, Marija; Ukić, Šime; Cvetnić, Matija; Prevarić, Viktorija; Markić, Marinko; Rogošić, Marko; Kušić, Hrvoje; Bolanča, Tomislav.<br>Toxicity of binary mixtures of pesticides and pharmaceuticals toward <i>Vibrio fischeri</i> : Assessment by quantitative structure-activity relationships. // <i>Environmental pollution</i> . <b>275</b> (2021) ; 115885, 12                 | 9,988 (2021.)  | 10,366 (2021.) | ENVIRONMENTAL SCIENCES               | Q1 | 3,692 (2021.) |
| 117. | Slivac, Igor; Zdraveva, Emilija; Ivančić, Fran; Žunar, Bojan; Holjevac Grgurić, Tamara; Gaurina Srček, Višnja; Svetec, Ivan-Krešimir; Dolenc, Tamara; Govorčin Bajsić, Emi; Tominac Trcin, Mirna; Mijović, Budimir.<br>Bioactivity comparison of electrospun PCL mats and liver extracellular matrix as scaffolds for HepG2 cells. // <i>Polymers</i> . <b>13</b> (2021) , 2; 279, 11          | 4,967 (2021.)  | 5,063 (2021.)  | POLYMER SCIENCE                      | Q1 | 2,984 (2021.) |
| 118. | Sokol, Ivana; Toma, Mateja; Krnić, Mia; Meščić Macan, Andrijana; Drenjančević, Domagoj; Liekens, Sandra; Raić-Malić, Silvana; Gazivoda Kraljević, Tatjana.<br>Transition metal-catalyzed synthesis of new 3-substituted coumarin derivatives as antibacterial and cytostatic agents. // <i>Future medicinal chemistry</i> . <b>13</b> (2021) , 21; 1865-1884                                   | 4,767 (2021.)  | 4,791 (2021.)  | CHEMISTRY, MEDICINAL                 | Q2 | 3,727 (2021.) |
| 119. | Stankov, Vladimir; Novak Stankov, Mirjana; Cvetnić, Matija; Sigurnjak Bureš, Marija; Ukić, Šime; Kučić Grgić, Dajana; Lončarić Božić, Ana; Kušić, Hrvoje; Bolanča, Tomislav.<br>Environmental aspects of UV-C-based processes for the treatment of oxytetracycline in water. // <i>Environmental pollution</i> . <b>277</b> (2021) ; 116797, 11  | 9,988 (2021.)  | 10,366 (2021.) | ENVIRONMENTAL SCIENCES               | Q1 | 3,692 (2021.) |
| 120. | Sudar, Martina; Česnik, Morana; Clapés, Pere; Pohl, Martina; Vasić-Rački, Đurđa; Findrik Blažević, Zvezdana.<br>A cascade reaction for the synthesis of D-fagomine precursor revisited: kinetic insight and understanding of the system. // <i>New biotechnology</i> . <b>63</b> (2021) ; 19-28  | 6,490 (2021.)  | 6,077 (2021.)  | BIOCHEMICAL RESEARCH METHODS         | Q1 | 3,258 (2021.) |
|      |  |                |                | BIOTECHNOLOGY & APPLIED MICROBIOLOGY | Q1 | 3,414 (2021.) |
| 121. | Šagud, Ivana; Zanolla, Debora; Zingone, Guglielmo; Perissutti, Beatrice; Škorić, Irena.<br>Impact of mesoporous silica on the chemical degradation of Praziquantel upon grinding. // <i>Comptes rendus. Chimie</i> . <b>24</b> (2021) , 2; 233-242   | 2,550 (2021.)  | 2,987 (2021.)  | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,361 (2021.) |
| 122. | Švarc, Anera; Fekete, Melinda; Hernandez, Karel; Clapés, Pere; Findrik Blažević, Zvezdana; Szekrenyi, Anna; Skendrović, Dino; Vasić-Rački, Đurđa; Charnock, Simon J.; Vrsalović Presečki, Ana.<br>An innovative route for the production of atorvastatin side-chain precursor by DERA-catalysed double aldol addition. // <i>Chemical engineering science</i> . <b>231</b> (2021) ; 116312, 10 | 4,889 (2021.)  | 4,640 (2021.)  | ENGINEERING, CHEMICAL                | Q2 | 3,289 (2021.) |
| 123. | Tolić, Kristina; Mutavdžić Pavlović, Dragana; Stankir, Nataša; Runje, Mislav.  | 2,984 (2021.)  | 2,982 (2021.)  | ENVIRONMENTAL SCIENCES               | Q3 | 3,692 (2021.) |

|      |  |                |                |                                       |    |               |
|------|--|----------------|----------------|---------------------------------------|----|---------------|
|      | Biosorbents from tomato, tangerine, and maple leaves for the removal of ciprofloxacin from aqueous media. // <i>Water, air and soil pollution</i> . <b>232</b> (2021) , 5; 218, 16   |                |                | METEOROLOGY & ATMOSPHERIC SCIENCES    | Q3 | 3,511 (2021.) |
|      |  |                |                | WATER RESOURCES                       | Q3 | 2,984 (2021.) |
| 124. | Tolić, Kristina; Runje, Mislav; Gazivoda Kraljević, Tatjana; Mutavdžić Pavlović, Dragana. Identification of crizotinib major degradation products obtained under stress conditions by RP-UHPLC-HRMS. // <i>Croatica chemica acta</i> . <b>94</b> (2021) , 1; 17-24   | 0,659 (2021.)  | 1,000 (2021.)  | CHEMISTRY, MULTIDISCIPLINARY          | Q4 | 3,361 (2021.) |
| 125. | Trivanović, Dragan; Pavelić, Krešimir; Peršurić, Željka. Fighting cancer with bacteria and their toxins. // <i>International journal of molecular sciences</i> . <b>22</b> (2021) , 23; 12980, 17  | 6,208 (2021.)  | 6,628 (2021.)  | BIOCHEMISTRY & MOLECULAR BIOLOGY      | Q1 | 4,228 (2021.) |
|      |  |                |                | CHEMISTRY, MULTIDISCIPLINARY          | Q2 | 3,361 (2021.) |
| 126. | Varga, Filip; Jeran, Nina; Šatović, Zlatko; Biošić, Martina; Grdiša, Martina. High diversity of natural Dalmatian pyrethrum based on pyrethrin composition at intra- and interpopulation level. // <i>Phytochemistry</i> . <b>192</b> (2021) , 112934, 11  | 4,004 (2021.)  | 4,129 (2021.)  | BIOCHEMISTRY & MOLECULAR BIOLOGY      | Q3 | 4,228 (2021.) |
|      |  |                |                | PLANT SCIENCES                        | Q1 | 2,156 (2021.) |
| 127. | Vidotto, Monica; Mihaljević, Branka; Žauhar, Gordana; Vidović, Elvira; Maltar-Strmečki, Nadica; Klepac, Damir; Valić, Srećko. Effects of $\gamma$ -radiation on structure and properties of poly(lactic acid) filaments. // <i>Radiation physics and chemistry</i> . <b>184</b> (2021) ; 109456, 7   | 2,776 (2021.)  | 2,725 (2021.)  | CHEMISTRY, PHYSICAL                   | Q3 | 3,841 (2021.) |
|      |  |                |                | NUCLEAR SCIENCE & TECHNOLOGY          | Q1 | 1,723 (2021.) |
|      |  |                |                | PHYSICS, ATOMIC, MOLECULAR & CHEMICAL | Q2 | 2,726 (2021.) |
| 128. | Vrsalović, Mislav; Vrsalović Presečki, Ana. Admission cardiac troponins predict hospital mortality in type a acute aortic dissection: a meta-analysis of adjusted risk estimates. // <i>Acta clinica Croatica</i> . <b>60</b> (2021) ; 115-119   | 0,932 (2021.)  | 1,121 (2021.)  | MEDICINE, GENERAL & INTERNAL          | Q4 | 2,981 (2021.) |
| 129. | Yang, Fei; Sheng, Bo; Wang, Zhaohui; Xue, Ying; Liu, Jianshe; Ma, Tianyi; Bush, Richard; Kušić, Hrvoje; Zhou, Yanbo. Performance of UV/acetylacetone process for saline dye wastewater treatment: Kinetics and mechanism. // <i>Journal of hazardous materials</i> . <b>406</b> (2021) ; 124774, 11  | 14,224 (2021.) | 12,984 (2021.) | ENGINEERING, ENVIRONMENTAL            | Q1 | 4,427 (2021.) |
|      |  |                |                | ENVIRONMENTAL SCIENCES                | Q1 | 3,692 (2021.) |
| 130. | Zeljko, Martina; Očelić Bulatović, Vesna; Špada, Vedrana; Lučić Blagojević, Sanja. Environmentally friendly UV-protective polyacrylate/TiO <sub>2</sub> nanocoatings. // <i>Polymers</i> . <b>13</b> (2021) , 16; 2609, 19   | 4,967 (2021.)  | 5,063 (2021.)  | POLYMER SCIENCE                       | Q1 | 2,984 (2021.) |
| 131. | Zibar Belašić, Tihana; Pejova, Biljana; Otmačić Čurković, Helena; Kamenar, Ervin; Četenović, Bojana; Špalj, Stjepan. Influence of intraoral application of antiseptics and fluorides during orthodontic treatment on corrosion and mechanical characteristics of nickel-titanium alloy in orthodontic appliances. // <i>Angle orthodontist</i> . <b>91</b> (2021) , 4; 528-537 | 2,684 (2021.)  | 3,212 (2021.)  | DENTISTRY, ORAL SURGERY & MEDICINE    | Q3 | 2,817 (2021.) |
| 132. | Zrinski, Ivana; Martinez, Sanja; Gospić, Ema Antonia. Catalytic and photocatalytic effects of TiO <sub>2</sub> nanoparticles on electrooxidation of common antioxidants on carbon paste. // <i>Journal of solid state electrochemistry</i> . <b>25</b> (2021) ; 1591-1600  | 2,747 (2021.)  | 2,620 (2021.)  | ELECTROCHEMISTRY                      | Q4 | 4,308 (2021.) |

|      |  |               |               |                       |    |               |
|------|--|---------------|---------------|-----------------------|----|---------------|
| 133. | Zrinski, Ivana; Martinez, Sanja; Ortner, Astrid; Samphao, Anchalee; Zavašnik, Janez; Kalcher, Kurt; Mehmeti, Eda.<br>A novel sensor based on carbon paste electrode modified with polypyrrole/multi-walled carbon nanotubes for the electrochemical detection of cytostatic drug rapamycin. // <i>Electroanalysis</i> . <b>33</b> (2021), 5, 1325-1332 | 3,077 (2021.) | 2,932 (2021.) | CHEMISTRY, ANALYTICAL | Q3 | 3,191 (2021.) |
|      |  |               |               | ELECTROCHEMISTRY      | Q3 | 4,308 (2021.) |
| 134. | Žižek, Krunoslav; Gojun, Martin; Grčić, Ivana.<br>Simulating the wet granulation of TiO <sub>2</sub> photocatalyst in fluidized bed: Population balance modelling and prediction of coalescence rate. // <i>Powder technology</i> . <b>379</b> (2021); 1-11  | 5,640 (2021.) | 5,305 (2021.) | ENGINEERING, CHEMICAL | Q1 | 3,289 (2021.) |

### WoSCC – 2022.

| R. br. | Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>  | IF          | Petogodišnji IF | JCR predmetno područje časopisa      | Kvarti 1 | Medijan IF  |
|--------|--|-------------|-----------------|--------------------------------------|----------|-------------|
| 1.     | Agaj, Andrea; Peršurić, Željka; Kraljević Pavelić, Sandra.<br>Mediterranean food industry by-products as a novel source of phytochemicals with a promising role in cancer prevention. // <i>Molecules</i> , <b>27</b> (2022), 24; 8655, 29   | 4,6 (2022.) | 4,9 (2022.)     | BIOCHEMISTRY & MOLECULAR BIOLOGY     | Q2       | 3,7 (2022.) |
|        |  |             |                 | CHEMISTRY, MULTIDISCIPLINARY         | Q2       | 3,2 (2022.) |
| 2.     | Anđelović Sara; Božinović, Marko; Čurić, Željka; Šalić, Anita; Jurinjak Tušek, Ana; Zagajski Kučan, Kristina; Rogošić, Marko; Radović, Mia; Cvjetko Bubalo, Marina; Zelić, Bruno.<br>Deep eutectic solvents for biodiesel purification in a microextractor: solvent preparation, selection and process optimization. // <i>Bioengineering</i> , <b>9</b> (2022), 11; 665, 21                         | 4,6 (2022.) | -               | ENGINEERING, BIOMEDICAL              | Q2       | 3,6 (2022.) |
| 3.     | Ašperger, Danijela; Gavrančić, Marija; Prišlin, Barbara; Rendulić, Nera; Šikuten, Iva; Marković, Zvezdana; Babić, Bruna; Maletić, Edi; Karoglan Kantić, Jasminka; Preiner, Darko; Tomaz, Ivana.<br>Optimization of microwave-assisted extraction and matrix solid-phase dispersion for the extraction of polyphenolic compounds from grape skin. // <i>Separations</i> , <b>9</b> (2022), 9; 235, 19 | 2,6 (2022.) | 2,7 (2022.)     | CHEMISTRY, ANALYTICAL                | Q3       | 2,9 (2022.) |
| 4.     | Babić, Bruna; Andrić, Darko; Farkaš, Anamarija; Vuk, Dragana; Ašperger, Danijela; Dolar, Davor.<br>Behavior of mebendazole during NF/RO adsorption and photolysis. // <i>Membranes</i> , <b>12</b> (2022), 9; 888, 15  | 4,2 (2022.) | 4,3 (2022.)     | CHEMISTRY, PHYSICAL                  | Q2       | 3,5 (2022.) |
|        |  |             |                 | ENGINEERING, CHEMICAL                | Q2       | 3,2 (2022.) |
|        |  |             |                 | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q2       | 3,5 (2022.) |
|        |  |             |                 | POLYMER SCIENCE                      | Q2       | 2,9 (2022.) |
| 5.     | Bafti, Arijeta; Kubuki, Shiro; Ertap, Hüseyin; Yüsek, Mustafa; Karabulut, Mevlüt; Moguš-Milanković, Andrea; Pavić, Luka.<br>Electrical transport in iron phosphate-based glass-(ceramics): Insights into the role of B <sub>2</sub> O <sub>3</sub> and HfO <sub>2</sub> from model-free scaling procedures. // <i>Nanomaterials</i> , <b>12</b> (2022), 4; 639, 18                                   | 5,3 (2022.) | 5,4 (2022.)     | CHEMISTRY, MULTIDISCIPLINARY         | Q2       | 3,2 (2022.) |
|        |  |             |                 | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q2       | 3,5 (2022.) |
|        |  |             |                 | NANOSCIENCE & NANOTECHNOLOGY         | Q2       | 4,7 (2022.) |
|        |  |             |                 | PHYSICS, APPLIED                     | Q1       | 2,7 (2022.) |
| 6.     | Bai, Cui-Bing; Zhang, Lei-Yang; Wang, Nai-Xing; Yan, Zhan; Wu, Yue-Hua; Xu, Bao-Cai; Liu, Ning; Wang, Bo-Zhou; Tomašić, Vesna.<br>Chiral NADH model: design, synthesis, asymmetric reduction reaction, and fluorescence characteristics. // <i>Letters in organic chemistry</i> , <b>19</b> (2022), 10; 827-831  | 0,8 (2022.) | 0,7 (2022.)     | CHEMISTRY, ORGANIC                   | Q4       | 2,3 (2022.) |

|     |   |                |                |  |    |                |
|-----|---|----------------|----------------|--|----|----------------|
| 7.  | Beč, Anja; Mioč, Marija; Bertoša, Branimir; Kos, Marija; Debogović, Patricia; Kralj, Marijeta; Starčević, Kristina; Hranjec, Marijana.<br>Design, synthesis, biological evaluation and QSAR analysis of novel N-substituted benzimidazole derived carboxamides. // <i>Journal of enzyme inhibition and medicinal chemistry</i> , <b>37</b> (2022), 1; 1327-1339 | 5,6<br>(2022.) | 5,2<br>(2022.) | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q1 | 3,7<br>(2022.) |
|     |   |                |                | CHEMISTRY, MEDICINAL                   | Q1 | 3,7<br>(2022.) |
| 8.  | Begić, Gabrijela; Petković Didović, Mirna; Lučić Blagojević, Sanja; Jelovica Badovinac, Ivana; Žigon, Jure; Perčić, Marko; Cvijanović Pelosa, Olga; Gobin, Ivana.<br>Adhesion of oral bacteria to commercial d-PTFE membranes: Polymer microstructure makes a difference. // <i>International journal of molecular sciences</i> , <b>23</b> (2022), 6; 2983, 22 | 5,6<br>(2022.) | 6,2<br>(2022.) | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q1 | 3,7<br>(2022.) |
|     |   |                |                | CHEMISTRY, MULTIDISCIPLINARY           | Q2 | 3,2<br>(2022.) |
| 9.  | Begović Kovač, Erna.<br>Hybrid CUR-type decomposition of tensors in the Tucker format. // <i>BIT numerical mathematics</i> , <b>62</b> (2022), 1; 125-138   | 1,5<br>(2022.) | 1,7<br>(2022.) | COMPUTER SCIENCE, SOFTWARE ENGINEERING | Q3 | 2,5<br>(2022.) |
|     |   |                |                | MATHEMATICS, APPLIED                   | Q2 | 1,3<br>(2022.) |
| 10. | Bertagna Silva, Danilo; Buttiglieri, Gianluigi; Babić, Bruna; Ašperger, Danijela; Babić, Sandra.<br>Performance of TiO <sub>2</sub> /UV-LED-based processes for degradation of pharmaceuticals: Effect of matrix composition and process variables. // <i>Nanomaterials</i> , <b>12</b> (2022), 2; 295, 25  | 5,3<br>(2022.) | 5,4<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY           | Q2 | 3,2<br>(2022.) |
|     |   |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q2 | 3,5<br>(2022.) |
|     |   |                |                | NANOSCIENCE & NANOTECHNOLOGY           | Q2 | 4,7<br>(2022.) |
|     |   |                |                | PHYSICS, APPLIED                       | Q1 | 2,7<br>(2022.) |
| 11. | Bistrović Popov, Andrea; Meščić Macan, Andrijana; Jakopec, Silvio; Prpić, Helena; Harej Hrkač, Anja; Kraljević Pavelić, Sandra; Raić-Malić, Silvana.<br>Green solvent-free synthesis of new N-heterocycle-L-ascorbic acid hybrids and their antiproliferative evaluation. // <i>Future medicinal chemistry</i> , <b>14</b> (2022), 16; 1187-1202                | 4,2<br>(2022.) | 4,2<br>(2022.) | CHEMISTRY, MEDICINAL                   | Q2 | 3,7<br>(2022.) |
| 12. | Blažič, Roko; Kučić Grgić, Dajana; Kraljić Roković, Marijana; Vidović, Elvira.<br>Cellulose-g-poly(2-(dimethylamino) ethylmethacrylate) hydrogels: Synthesis, characterization, antibacterial testing and polymer electrolyte application. // <i>Gels</i> , <b>8</b> (2022), 10; 636, 24  | 4,6<br>(2022.) | 5,2<br>(2022.) | POLYMER SCIENCE                        | Q1 | 2,9<br>(2022.) |
| 13. | Boček, Ida; Hok, Lucija; Persoons, Leentje; Daelemans, Dirk; Vianello, Robert; Hranjec, Marijana.<br>Imidazo[4,5-b]pyridine derived tubulin polymerization inhibitors: Design, synthesis, biological activity in vitro and computational analysis. // <i>Bioorganic chemistry</i> , <b>127</b> (2022), 106032, 13   | 5,1<br>(2022.) | 5,3<br>(2022.) | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q2 | 3,7<br>(2022.) |
|     |   |                |                | CHEMISTRY, ORGANIC                     | Q1 | 2,3<br>(2022.) |
| 14. | Boček, Ida; Hranjec, Marijana; Vianello, Robert.<br>Imidazo[4,5-b]pyridine derived iminocoumarins as potential pH probes: Synthesis, spectroscopic and computational studies of their protonation equilibria. // <i>Journal of molecular liquids</i> , <b>355</b> (2022), 118982, 12  | 6,0<br>(2022.) | 5,6<br>(2022.) | CHEMISTRY, PHYSICAL                    | Q2 | 3,5<br>(2022.) |
|     |   |                |                | PHYSICS, ATOMIC, MOLECULAR & CHEMICAL  | Q1 | 2,3<br>(2022.) |

|     |  |                 |                 |   |    |                |
|-----|--|-----------------|-----------------|---|----|----------------|
| 15. | Brahimi, Salim; Ressler, Antonia; Boumchedda, Khaled; Hamidouche, Mohamed; Kenzour, Abdelghani; Djafar, Rabah; Antunović, Maja; Bauer, Leonard; Hvizdoš, Pavol; Ivanković, Hrvoje.<br>Preparation and characterization of biocomposites based on chitosan and biomimetic hydroxyapatite derived from natural phosphate rocks. // <i>Materials chemistry and physics</i> , <b>276</b> (2022), 125421, 10        | 4,6<br>(2022.)  | 4,1<br>(2022.)  | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY           | Q2 | 3,5<br>(2022.) |
| 16. | Brekalo, Ivana; Martinez, Valentina; Karadeniz, Bahar; Orešković, Patrik; Drapanauskaite, Donata; Vriesema, Hein; Stenekes, Robert; Etter, Martin; Dejanović, Igor; Baltrusaitis, Jonas; Užarević, Krunoslav.<br>Scale-up of agrochemical urea-gypsum cocrystal synthesis using thermally controlled mechanochemistry. // <i>ACS sustainable chemistry &amp; engineering</i> , <b>10</b> (2022), 20; 6743-6754 | 8,4<br>(2022.)  | 8,7<br>(2022.)  | CHEMISTRY,<br>MULTIDISCIPLINARY                   | Q1 | 3,2<br>(2022.) |
|     |  |                 |                 | ENGINEERING,<br>CHEMICAL                          | Q1 | 3,2<br>(2022.) |
|     |  |                 |                 | GREEN &<br>SUSTAINABLE<br>SCIENCE &<br>TECHNOLOGY | Q2 | 6,0<br>(2022.) |
| 17. | Bubalo, Anđelina; Vouk, Dražen; Maljković, Danica; Bolanča, Tomislav.<br>Gasification of sewage sludge in a rotary kiln reactor – a case study with incorporation of sewage sludge ash in brick production. // <i>Chemical and biochemical engineering quarterly</i> , <b>36</b> (2022), 1; 77-87  | 1,5<br>(2022.)  | 1,6<br>(2022.)  | BIOTECHNOLOGY &<br>APPLIED<br>MICROBIOLOGY        | Q4 | 3,3<br>(2022.) |
|     |  |                 |                 | ENGINEERING,<br>CHEMICAL                          | Q3 | 3,2<br>(2022.) |
| 18. | Buhin Šturlić, Zrinka; Leskovac, Mirela; Žižek, Krunoslav; Lučić Blagojević, Sanja.<br>The effect of concentration and silica surface modification on the poly(butyl acrylate-co-methyl methacrylate) properties. // <i>Pigment &amp; resin technology</i> , <b>51</b> (2022), 2; 253-263  | 1,4<br>(2022.)  | 1,4<br>(2022.)  | CHEMISTRY, APPLIED                                | Q3 | 2,5<br>(2022.) |
|     |  |                 |                 | ENGINEERING,<br>CHEMICAL                          | Q4 | 3,2<br>(2022.) |
|     |  |                 |                 | MATERIALS SCIENCE,<br>COATINGS & FILMS            | Q4 | 3,1<br>(2022.) |
| 19. | Bužančić, Marin; Cherednichenko, Kirill; Velčić, Igor; Žubrinić, Josip.<br>Spectral and evolution analysis of composite elastic plates with high contrast. // <i>Journal of elasticity</i> , <b>152</b> (2022), 1-2; 79-177  | 2,0<br>(2022.)  | 2,0<br>(2022.)  | ENGINEERING,<br>MULTIDISCIPLINARY                 | Q3 | 2,4<br>(2022.) |
|     |  |                 |                 | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY           | Q3 | 3,5<br>(2022.) |
|     |  |                 |                 | MECHANICS   | Q3 | 2,5<br>(2022.) |
| 20. | Cingesar, Ivan Karlo; Marković, Marijan-Pere; Vrsaljko, Domagoj.<br>Effect of post-processing conditions on polyacrylate materials used in stereolithography. // <i>Additive manufacturing</i> , <b>55</b> (2022), 102813, 12  | 11,0<br>(2022.) | 13,0<br>(2022.) | ENGINEERING,<br>MANUFACTURING                     | Q1 | 3,6<br>(2022.) |
|     |  |                 |                 | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY           | Q1 | 3,5<br>(2022.) |
| 21. | Ćurić, Iva; Dolar, Davor.<br>Investigation of pretreatment of textile wastewater for membrane processes and reuse for washing dyeing machines. // <i>Membranes</i> , <b>12</b> (2022), 5; 449, 12  | 4,2<br>(2022.)  | 4,3<br>(2022.)  | CHEMISTRY,<br>PHYSICAL                            | Q2 | 3,5<br>(2022.) |
|     |  |                 |                 | ENGINEERING,<br>CHEMICAL                          | Q2 | 3,2<br>(2022.) |
|     |  |                 |                 | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY           | Q2 | 3,5<br>(2022.) |
|     |  |                 |                 | POLYMER SCIENCE                                   | Q2 | 2,9<br>(2022.) |
| 22. | Ćurić, Iva; Dolar, Davor; Horvat, Josip; Grgić, Katia.<br>Effect of textile wastewater secondary effluent on UF membrane characteristics. // <i>Polymers</i> , <b>14</b> (2022), 10; 2035, 14  | 5,0<br>(2022.)  | 5,0<br>(2022.)  | POLYMER SCIENCE                                   | Q1 | 2,9<br>(2022.) |

|     |   |                |                |                                      |    |                |
|-----|---|----------------|----------------|--------------------------------------|----|----------------|
| 23. | Dabić, Dario; Hanževački, Marko; Škorić, Irena; Žegura, Bojana; Ivanković, Klaudija; Biošić, Martina; Tolić, Kristina; Babić, Sandra.<br>Photodegradation, toxicity and density functional theory study of pharmaceutical metoclopramide and its photoproducts. // <i>Science of the total environment</i> , <b>807</b> (2022), 150694, 10  | 9,8<br>(2022.) | 9,6<br>(2022.) | ENVIRONMENTAL SCIENCES               | Q1 | 3,4<br>(2022.) |
| 24. | dela Rosa, Francis M.; Popović, Marin; Papac Zjačić, Josipa; Radić, Gabrijela; Kraljić Roković, Marijana; Kovačić, Marin; Farré, María José; Genorio, Boštjan; Lavrenčić Štangar, Urška; Kušić, Hrvoje; Lončarić Božić, Ana; Petrović, Mira.<br>Visible-light activation of persulfate or H <sub>2</sub> O <sub>2</sub> by Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> immobilized on glass support for photocatalytic removal of amoxicillin: Mechanism, transformation products, and toxicity assessment. // <i>Nanomaterials</i> , <b>12</b> (2022), 23; 4328, 26 | 5,3<br>(2022.) | 5,4<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,2<br>(2022.) |
|     |   |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q2 | 3,5<br>(2022.) |
|     |   |                |                | NANOSCIENCE & NANOTECHNOLOGY         | Q2 | 4,7<br>(2022.) |
|     |   |                |                | PHYSICS, APPLIED                     | Q1 | 2,7<br>(2022.) |
| 25. | Dorić, Hrvoje; Bolf, Nenad; Šahnić, Damir.<br>Development of crystallization calibration model for real-time monitoring of Fosamprenavir Calcium particle size distribution. // <i>Tehnički vjesnik</i> , <b>29</b> (2022), 3; 790-796  | 0,9<br>(2022.) | 0,8<br>(2022.) | ENGINEERING, MULTIDISCIPLINARY       | Q4 | 2,4<br>(2022.) |
| 26. | Dornjak, Luka; Kovačić, Marin; Ostojić, Karla; Angaits, Ange; Szpunar, Joanna; Urlić, Inga; Rogina, Anamarija.<br>Chitosan-boric acid scaffolds for doxorubicin delivery in the osteosarcoma treatment. // <i>Polymers</i> , <b>14</b> (2022), 21; 4753, 14   | 5,0<br>(2022.) | 5,0<br>(2022.) | POLYMER SCIENCE                      | Q1 | 2,9<br>(2022.) |
| 27. | Drušković, Morana; Vouk, Dražen; Bolanča, Tomislav; Posavčić, Hana.<br>The influence of pretreatment on the efficiency of electrochemical processes in oily wastewater treatment. // <i>Water</i> , <b>14</b> (2022), 19; 2976, 15  | 3,4<br>(2022.) | 3,5<br>(2022.) | ENVIRONMENTAL SCIENCES               | Q2 | 3,4<br>(2022.) |
|     |   |                |                | WATER RESOURCES                      | Q2 | 2,7<br>(2022.) |
| 28. | Duplančić, Marina; Liber, Kristina; Zelić, Ivana Elizabeta; Kosar, Vanja; Tomašić, Vesna.<br>Optimization of imidacloprid photocatalytic degradation under UVA-LED irradiation conditions. // <i>Journal of chemical technology and biotechnology</i> , <b>97</b> (2022), 10; 2775-2784   | 3,4<br>(2022.) | 3,2<br>(2022.) | BIOTECHNOLOGY & APPLIED MICROBIOLOGY | Q2 | 3,3<br>(2022.) |
|     |   |                |                | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,2<br>(2022.) |
|     |   |                |                | ENGINEERING, CHEMICAL                | Q2 | 3,2<br>(2022.) |
|     |   |                |                | ENGINEERING, ENVIRONMENTAL           | Q3 | 4,2<br>(2022.) |
| 29. | Đurina, Vedran; Haramija, Veronika; Vrsaljko, Dijana; Vrsaljko, Domagoj.<br>Artificial neural networks and partial least squares regressions for rapid estimation of mineral insulating liquid properties based on infrared spectroscopic data. // <i>IEEE transactions on dielectrics and electrical insulation</i> , <b>29</b> (2022), 4; 1474-1482   | 3,1<br>(2022.) | 3,2<br>(2022.) | ENGINEERING, ELECTRICAL & ELECTRONIC | Q2 | 2,8<br>(2022.) |
|     |   |                |                | PHYSICS, APPLIED                     | Q2 | 2,7<br>(2022.) |
| 30. | Faraguna, Fabio; Blažić, Roko; Vidović, Elvira; Jukić, Ante.<br>Synthesis and properties of surfactants for carbon nanotubes based on copolymers of 2-N-morpholinoethyl methacrylate with dodecyl methacrylate and styrene. // <i>Reactive &amp; functional polymers</i> , <b>177</b> (2022), 105315, 9   | 5,1<br>(2022.) | 4,3<br>(2022.) | CHEMISTRY, APPLIED                   | Q1 | 2,5<br>(2022.) |
|     |   |                |                | ENGINEERING, CHEMICAL                | Q1 | 3,2<br>(2022.) |
|     |   |                |                | POLYMER SCIENCE                      | Q1 | 2,9<br>(2022.) |

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|-----|--|------------------|------------------|---|----|------------------|
| 31. | Fiket, Lucija; Božičević, Marin; Brkić, Lana; Žagar, Patricia; Horvat, Anamarija; Katančić, Zvonimir.<br>Intrinsically stretchable poly(3,4-ethylenedioxythiophene) conducting polymer film for flexible electronics. // <i>Polymers</i> , <b>14</b> (2022), 12; 2340, 16  | 5,0<br>(2022.)   | 5,0<br>(2022.)   | POLYMER SCIENCE                               | Q1 | 2,9<br>(2022.)   |
| 32. | Gojun, Martin; Valinger, Davor; Šalić, Anita; Zelić, Bruno.<br>Development of NIR-based ANN models for on-line monitoring of glycerol concentration during biodiesel production in a microreactor. // <i>Micromachines</i> , <b>13</b> (2022), 10; 1590, 21  | 3,4<br>(2022.)   | 3,3<br>(2022.)   | CHEMISTRY, ANALYTICAL                         | Q2 | 2,9<br>(2022.)   |
|     |  |                  |                  | INSTRUMENTS & INSTRUMENTATION                 | Q2 | 2,6<br>(2022.)   |
|     |  |                  |                  | NANOSCIENCE & NANOTECHNOLOGY                  | Q3 | 4,7<br>(2022.)   |
|     |  |                  |                  | PHYSICS, APPLIED                              | Q2 | 2,7<br>(2022.)   |
| 33. | Gotovuša, Mia; Medić, Mihovil; Faraguna, Fabio; Šibalić, Matea; Konjević, Lucija; Parlov Vuković, Jelena; Racar, Marko.<br>Fatty acids propyl esters: Synthesis optimization and application properties of their blends with diesel and 1-propanol. // <i>Renewable energy</i> , <b>185</b> (2022), 655-664                              | 8,7<br>(2022.)   | 8,4<br>(2022.)   | ENERGY & FUELS                                | Q1 | 4,8<br>(2022.)   |
|     |  |                  |                  | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY      | Q2 | 6,0<br>(2022.)   |
| 34. | Gotovuša, Mia; Pucko, Ivan; Racar, Marko; Faraguna, Fabio.<br>Biodiesel produced from propanol and longer chain alcohols—synthesis and properties. // <i>Energies</i> , <b>15</b> (2022), 14; 4996, 21   | 3,2<br>(2022.)   | 3,3<br>(2022.)   | ENERGY & FUELS                                | Q3 | 4,8<br>(2022.)   |
| 35. | Gutiérrez, Marina; Ghirardini, Andrea; Borghesi, Michela; Bonnini, Stefano; Mutavdžić Pavlović, Dragana; Verlicchi, Paola.<br>Removal of micropollutants using a membrane bioreactor coupled with powdered activated carbon — A statistical analysis approach. // <i>Science of the total environment</i> , <b>840</b> (2022), 156557, 9 | 9,8<br>(2022.)   | 9,6<br>(2022.)   | ENVIRONMENTAL SCIENCES                        | Q1 | 3,4<br>(2022.)   |
| 36. | Hudec, Bojan; Ribičić, Karla; Martinez, Sanja; Šoić, Ivana.<br>Quantitative coating quality assessment on an offshore platform. // <i>Materials performance</i> , <b>61</b> (2022), 1; 52-56   | 0,158<br>(2019.) | 0,146<br>(2019.) | MATERIALS SCIENCE, CHARACTERIZATION & TESTING | Q4 | 1,368<br>(2019.) |
| 37. | Ivanišević, Irena; Kovačić, Marin; Zubak, Marko; Ressler, Antonia; Krivačić, Sara; Katančić, Zvonimir; Gudan Pavlović, Iva; Kassal, Petar.<br>Amphiphilic silver nanoparticles for inkjet-printable conductive inks. // <i>Nanomaterials</i> , <b>12</b> (2022), 23; 4252, 23  | 5,3<br>(2022.)   | 5,4<br>(2022.)   | CHEMISTRY, MULTIDISCIPLINARY                  | Q2 | 3,2<br>(2022.)   |
|     |  |                  |                  | MATERIALS SCIENCE, MULTIDISCIPLINARY          | Q2 | 3,5<br>(2022.)   |
|     |  |                  |                  | NANOSCIENCE & NANOTECHNOLOGY                  | Q2 | 4,7<br>(2022.)   |
|     |  |                  |                  | PHYSICS, APPLIED                              | Q1 | 2,7<br>(2022.)   |
| 38. | Ivanković, Tomislav; Kontek, Mislav; Mihalić, Valentino; Ressler, Antonia; Jurišić, Vanja.<br>Perlite as a biocarrier for augmentation of biogas-producing reactors from olive ( <i>Olea europaea</i> ) waste. // <i>Applied sciences (Basel)</i> , <b>12</b> (2022), 17; 8808, 11   | 2,7<br>(2022.)   | 2,9<br>(2022.)   | CHEMISTRY, MULTIDISCIPLINARY                  | Q3 | 3,2<br>(2022.)   |
|     |  |                  |                  | ENGINEERING, MULTIDISCIPLINARY                | Q2 | 2,4<br>(2022.)   |
|     |  |                  |                  | MATERIALS SCIENCE, MULTIDISCIPLINARY          | Q3 | 3,5<br>(2022.)   |
|     |  |                  |                  | PHYSICS, APPLIED                              | Q2 | 2,7<br>(2022.)   |
| 39. | Ivković, Ivana Katarina; Kurajica, Stanislav; Duplančić, Marina; Faraguna, Fabio; Grbešić, Tea.<br>Properties and potential applications of manganese-doped ceria gained by mechanochemical synthesis. // <i>ChemistrySelect</i> , <b>7</b> (2022), 4; e202104181, 9   | 2,1<br>(2022.)   | 2,0<br>(2022.)   | CHEMISTRY, MULTIDISCIPLINARY                  | Q3 | 3,2<br>(2022.)   |

|     |  |                |                |  |                |                |
|-----|--|----------------|----------------|--|----------------|----------------|
| 40. | Jakopec, Silvio; Pantalon Juraj, Natalija; Brozović, Anamaria; Jadreško, Dijana; Perić, Berislav; Kirin, Srećko I.; Raić-Malić, Silvana. Ferrocene conjugates linked by 1,2,3-triazole and their Zn(II) and Cu(II) complexes: Synthesis, characterization and biological activity. // <i>Applied organometallic chemistry</i> , <b>36</b> (2022), 4; e6575, 22 | 3,9<br>(2022.) | 3,5<br>(2022.) | CHEMISTRY, APPLIED                       | Q <sub>2</sub> | 2,5<br>(2022.) |
|     |  |                |                | CHEMISTRY, INORGANIC & NUCLEAR           | Q <sub>1</sub> | 2,3<br>(2022.) |
| 41. | Jakovac, Marko; Klaser, Teodoro; Bafti, Arijeta; Skoko, Željko; Pavić, Luka; Žic, Mark. The effect of Y <sup>3+</sup> addition on morphology, structure, and electrical properties of yttria-stabilized tetragonal zirconia dental materials. // <i>Materials</i> , <b>15</b> (2022), 5; 1800, 13  | 3,4<br>(2022.) | 3,8<br>(2022.) | CHEMISTRY, PHYSICAL                      | Q <sub>3</sub> | 3,5<br>(2022.) |
|     |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q <sub>3</sub> | 3,5<br>(2022.) |
|     |  |                |                | METALLURGY & METALLURGICAL ENGINEERING   | Q <sub>2</sub> | 1,9<br>(2022.) |
|     |  |                |                | PHYSICS, APPLIED                         | Q <sub>2</sub> | 2,7<br>(2022.) |
|     |  |                |                | PHYSICS, CONDENSED MATTER                | Q <sub>2</sub> | 2,8<br>(2022.) |
| 42. | Jambrečković, Branimir; Govorčin Bajsić, Emi; Španić, Nikola; Sedlar, Tomislav; Sinković, Tomislav. Viscoelastic and thermal properties of styrene modified fir wood. // <i>Polymers</i> , <b>14</b> (2022), 4; 786, 13  | 5,0<br>(2022.) | 5,0<br>(2022.) | POLYMER SCIENCE                          | Q <sub>1</sub> | 2,9<br>(2022.) |
| 43. | Jeličić, Mario-Livio; Kovačić, Jelena; Cvetnić, Matija; Mornar, Ana; Amidžić Klarić, Daniela. Antioxidant activity of pharmaceuticals: Predictive QSAR modeling for potential therapeutic strategy. // <i>Pharmaceuticals</i> , <b>15</b> (2022), 7; 791, 13   | 4,6<br>(2022.) | 4,9<br>(2022.) | CHEMISTRY, MEDICINAL                     | Q <sub>2</sub> | 3,7<br>(2022.) |
|     |  |                |                | PHARMACOLOGY & PHARMACY                  | Q <sub>2</sub> | 3,3<br>(2022.) |
| 44. | Jukić, Lucija; Vulin, Domagoj; Lukić, Marija; Karasalihović Sedlar, Daria. Enhanced gas recovery and storability in a high CO <sub>2</sub> content gas reservoir. // <i>International journal of greenhouse gas control</i> , <b>117</b> (2022), 103662, 25  | 3,9<br>(2022.) | 4,1<br>(2022.) | ENERGY & FUELS                           | Q <sub>3</sub> | 4,8<br>(2022.) |
|     |  |                |                | ENGINEERING, CHEMICAL                    | Q <sub>2</sub> | 3,2<br>(2022.) |
|     |  |                |                | ENGINEERING, ENVIRONMENTAL               | Q <sub>3</sub> | 4,2<br>(2022.) |
|     |  |                |                | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q <sub>3</sub> | 6,0<br>(2022.) |
| 45. | Jurinjak Tušek, Ana; Šamec, Dunja; Šalić, Anita. Modern techniques for flavonoid extraction— to optimize or not to optimize? // <i>Applied sciences (Basel)</i> , <b>12</b> (2022), 22; 11865, 34  | 2,7<br>(2022.) | 2,9<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY             | Q <sub>3</sub> | 3,2<br>(2022.) |
|     |  |                |                | ENGINEERING, MULTIDISCIPLINARY           | Q <sub>2</sub> | 2,4<br>(2022.) |
|     |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q <sub>3</sub> | 3,5<br>(2022.) |
|     |  |                |                | PHYSICS, APPLIED                         | Q <sub>2</sub> | 2,7<br>(2022.) |
| 46. | Kapitanović, Angela; Otmačić Čurković, Helena. The effect of corrosion conditions on aging of artificial patina on three bronzes. // <i>Coatings</i> , <b>12</b> (2022), 7; 936, 16  | 3,4<br>(2022.) | 3,4<br>(2022.) | MATERIALS SCIENCE, COATINGS & FILMS      | Q <sub>2</sub> | 3,1<br>(2022.) |
|     |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q <sub>3</sub> | 3,5<br>(2022.) |
|     |  |                |                | PHYSICS, APPLIED                         | Q <sub>2</sub> | 2,7<br>(2022.) |



|     |  |                 |                 |  |                |                |
|-----|--|-----------------|-----------------|--|----------------|----------------|
| 47. | Kerolli Mustafa, Mihone; Gabelica, Ivana; Mandić, Vilko; Veseli, Rea; Ćurković, Lidija. Reusing waste coffee grounds in the preparation of porous alumina ceramics. // <i>Sustainability</i> , <b>14</b> (2022), 21; 14244, 13   | 3,9<br>(2022.)  | 4,0<br>(2022.)  | ENVIRONMENTAL SCIENCES                   | Q <sub>2</sub> | 3,4<br>(2022.) |
|     |  |                 |                 | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q <sub>3</sub> | 6,0<br>(2022.) |
| 48. | Klemenčić, Mia; Bolanča Mirković, Ivana; Bolf, Nenad. The efficiency of the separation of impurities from cellulose pulp obtained from pharmaceutical laminated cardboard packaging. // <i>Tehnički vjesnik</i> , <b>29</b> (2022), 4; 1295-1300   | 0,9<br>(2022.)  | 0,8<br>(2022.)  | ENGINEERING, MULTIDISCIPLINARY           | Q <sub>4</sub> | 2,4<br>(2022.) |
| 49. | Komar, Mario; Gazivoda Kraljević, Tatjana; Jerković, Igor; Molnar, Maja. Application of deep eutectic solvents in the synthesis of substituted 2-mercaptoquinazolin-4(3H)-ones: a comparison of selected green chemistry methods. // <i>Molecules</i> , <b>27</b> (2022), 2; 558, 19   | 4,6<br>(2022.)  | 4,9<br>(2022.)  | BIOCHEMISTRY & MOLECULAR BIOLOGY         | Q <sub>2</sub> | 3,7<br>(2022.) |
|     |  |                 |                 | CHEMISTRY, MULTIDISCIPLINARY             | Q <sub>2</sub> | 3,2<br>(2022.) |
| 50. | Kralj, Magdalena; Krivačić, Sara; Ivanišević, Irena; Zubak, Marko; Supina, Antonio; Marcioš, Marijan; Halasz, Ivan; Kassal, Petar. Conductive inks based on melamine intercalated graphene nanosheets for inkjet printed flexible electronics. // <i>Nanomaterials</i> , <b>12</b> (2022), 17; 2936, 15  | 5,3<br>(2022.)  | 5,4<br>(2022.)  | CHEMISTRY, MULTIDISCIPLINARY             | Q <sub>2</sub> | 3,2<br>(2022.) |
|     |  |                 |                 | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q <sub>2</sub> | 3,5<br>(2022.) |
|     |  |                 |                 | NANOSCIENCE & NANOTECHNOLOGY             | Q <sub>2</sub> | 4,7<br>(2022.) |
|     |  |                 |                 | PHYSICS, APPLIED                         | Q <sub>1</sub> | 2,7<br>(2022.) |
| 51. | Kremer, Irma; Tomić, Tihomir; Katančić, Zvonimir; Erceg, Matko; Papuga, Saša; Parlov Vuković, Jelena; Schneider, Daniel Rolph. Catalytic pyrolysis and kinetic study of real-world waste plastics: multi-layered and mixed resin types of plastics. // <i>Clean technologies and environmental policy</i> , <b>24</b> (2022), 2; 677-693                 | 4,3<br>(2022.)  | 4,1<br>(2022.)  | ENGINEERING, ENVIRONMENTAL               | Q <sub>2</sub> | 4,2<br>(2022.) |
|     |  |                 |                 | ENVIRONMENTAL SCIENCES                   | Q <sub>2</sub> | 3,4<br>(2022.) |
|     |  |                 |                 | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY | Q <sub>3</sub> | 6,0<br>(2022.) |
| 52. | Kremer, Irma; Tomić, Tihomir; Katančić, Zvonimir; Hrnjak-Murgić, Zlata; Erceg, Matko; Vecchio Cipriotti, Stefano; Schneider, Daniel Rolph. Effect of zeolite catalyst on the pyrolysis kinetics of multi-layered plastic food packaging. // <i>Symmetry</i> , <b>14</b> (2022), 7; 1362, 14  | 2,7<br>(2022.)  | 2,7<br>(2022.)  | MULTIDISCIPLINARY SCIENCES               | Q <sub>2</sub> | 2,7<br>(2022.) |
| 53. | Kumar, Praveen; Verma, Shilpi; Kaur, Ramanpreet; Papac, Josipa; Kušić, Hrvoje; Lavrenčić Štangar, Urška. Enhanced photo-degradation of N-methyl-2-pyrrolidone (NMP): Influence of matrix components, kinetic study and artificial neural network modelling. // <i>Journal of hazardous materials</i> , <b>434</b> (2022), 128807, 12                     | 13,6<br>(2022.) | 12,7<br>(2022.) | ENGINEERING, ENVIRONMENTAL               | Q <sub>1</sub> | 4,2<br>(2022.) |
|     |  |                 |                 | ENVIRONMENTAL SCIENCES                   | Q <sub>1</sub> | 3,4<br>(2022.) |
| 54. | Kurajica, Stanislav; Ivković, Ivana Katarina; Dražić, Goran; Shvalya, Vasy; Duplančić, Marina; Matijašić, Gordana; Cvelbar, Uroš; Mužina, Katarina. Phase composition, morphology, properties and improved catalytic activity of hydrothermally-derived manganese-doped ceria nanoparticles. // <i>Nanotechnology</i> , <b>33</b> (2022), 13; 135709, 13 | 3,5<br>(2022.)  | 3,2<br>(2022.)  | MATERIALS SCIENCE, MULTIDISCIPLINARY     | Q <sub>2</sub> | 3,5<br>(2022.) |
|     |  |                 |                 | NANOSCIENCE & NANOTECHNOLOGY             | Q <sub>3</sub> | 4,7<br>(2022.) |
|     |  |                 |                 | PHYSICS, APPLIED                         | Q <sub>2</sub> | 2,7<br>(2022.) |

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|-----|--|----------------|----------------|--|----|----------------|
| 55. | Kurajica, Stanislav; Ivković, Ivana Katarina; Mužina, Katarina; Mandić, Vilko; Panžić, Ivana; Matijašić, Gordana; Alić, Emina Ema. Sol-gel synthesis of manganese-doped ceria from acetylacetonate precursors. // <i>Journal of sol-gel science and technology</i> , <b>101</b> (2022), 1; 256-268   | 2,5<br>(2022.) | 2,3<br>(2022.) | MATERIALS SCIENCE,<br>CERAMICS               | Q1 | 1,7<br>(2022.) |
| 56. | Lovrinčević, Vilma; Vuk, Dragana; Škorić, Irena; Basarić, Nikola. Chromo-orthogonal deprotection of carboxylic acids by aminonaphthalene and aminoaniline photocages. // <i>Journal of organic chemistry</i> , <b>87</b> (2022), 5; 2489-2500  | 3,6<br>(2022.) | 3,4<br>(2022.) | CHEMISTRY,<br>ORGANIC                        | Q1 | 2,3<br>(2022.) |
| 57. | Mahović Poljaček, Sanja; Priselac, Dino; Tomašegović, Tamara; Stanković Elesini, Urška; Leskovšek, Mirjam; Leskovac, Mirela. Effect of the addition of nano-silica and poly( $\epsilon$ -caprolactone) on the mechanical and thermal properties of poly(lactic acid) blends and possible application in embossing process. // <i>Polymers</i> , <b>14</b> (2022), 22; 4861, 17 | 5,0<br>(2022.) | 5,0<br>(2022.) | POLYMER SCIENCE                              | Q1 | 2,9<br>(2022.) |
| 58. | Mandić, Vilko; Bafti, Arijeta; Pavić, Luka; Panžić, Ivana; Kurajica, Stanislav; Pavelić, Jakov-Stjepan; Shi, Zhen; Mužina, Katarina; Ivković, Ivana Katarina. Humidity sensing ceria thin-films. // <i>Nanomaterials</i> , <b>12</b> (2022), 3; 521, 21  | 5,3<br>(2022.) | 5,4<br>(2022.) | CHEMISTRY,<br>MULTIDISCIPLINARY              | Q2 | 3,2<br>(2022.) |
|     |  |                |                | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY      | Q2 | 3,5<br>(2022.) |
|     |  |                |                | NANOSCIENCE &<br>NANOTECHNOLOGY              | Q2 | 4,7<br>(2022.) |
|     |  |                |                | PHYSICS, APPLIED                             | Q1 | 2,7<br>(2022.) |
| 59. | Mandić, Vilko; Kurajica, Stanislav; Plodinec, Milivoj; Panžić, Ivana. Thermal stability and utilization of 1D-nanostructured Co <sub>3</sub> O <sub>4</sub> rods derived by simple solvothermal processing. // <i>Catalysts</i> , <b>12</b> (2022), 10; 1162, 13   | 3,9<br>(2022.) | 4,2<br>(2022.) | CHEMISTRY,<br>PHYSICAL                       | Q2 | 3,5<br>(2022.) |
| 60. | Margeta, Karmen; Glasnović, Zvonimir; Zabukovec Logar, Nataša; Tišma, Sanja; Farkaš, Anamarija. A concept for solving the sustainability of cities worldwide. // <i>Energies</i> , <b>15</b> (2022), 2; 616, 24  | 3,2<br>(2022.) | 3,3<br>(2022.) | ENERGY & FUELS                               | Q3 | 4,8<br>(2022.) |
| 61. | Marijan, Marijan; Mitar, Anamarija; Jakupović, Lejsa; Prlić Kardum, Jasna; Zovko Končić, Marijana. Optimization of bioactive phenolics extraction and cosmeceutical activity of eco-friendly polypropylene-glycol-lactic-acid-based extracts of olive leaf. // <i>Molecules</i> , <b>27</b> (2022), 2; 529, 18   | 4,6<br>(2022.) | 4,9<br>(2022.) | BIOCHEMISTRY &<br>MOLECULAR<br>BIOLOGY       | Q2 | 3,7<br>(2022.) |
|     |  |                |                | CHEMISTRY,<br>MULTIDISCIPLINARY              | Q2 | 3,2<br>(2022.) |
| 62. | Marković, Marijan-Pere; Cingesar, Ivan Karlo; Keran, Laura; Prlić, Domagoj; Grčić, Ivana; Vrsaljko, Domagoj. Thermal and mechanical characterization of the new functional composites used for 3D printing of static mixers. // <i>Materials</i> , <b>15</b> (2022), 19; 6713, 15  | 3,4<br>(2022.) | 3,8<br>(2022.) | CHEMISTRY,<br>PHYSICAL                       | Q3 | 3,5<br>(2022.) |
|     |  |                |                | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY      | Q3 | 3,5<br>(2022.) |
|     |  |                |                | METALLURGY &<br>METALLURGICAL<br>ENGINEERING | Q2 | 1,9<br>(2022.) |
|     |  |                |                | PHYSICS, APPLIED                             | Q2 | 2,7<br>(2022.) |
|     |  |                |                | PHYSICS,<br>CONDENSED<br>MATTER              | Q2 | 2,8<br>(2022.) |
| 63. | Martinez, Sanja; Ilhan-Sungur, Esra; Cansever, Nurhan; Khoshnaw, Fuad.   | 1,8<br>(2022.) | 1,9<br>(2022.) | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY      | Q4 | 3,5<br>(2022.) |

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|-----|--|-------------|-------------|--|----|-------------|
|     | A comparative analysis of perforation and blister features on internally corroded aged water pipeline wall. // <i>Materials and corrosion</i> , <b>73</b> (2022), 8; 1193-1204   |             |             | METALLURGY & METALLURGICAL ENGINEERING | Q3 | 1,9 (2022.) |
| 64. | Martinić, Arijana; Kalušević, Ana; Lević, Steva; Nedović, Viktor; Vojvodić Cebin, Aleksandra; Karlović, Sven; Špoljarić, Igor; Mršić, Gordan; Žižek, Krunoslav; Komes, Draženka. Microencapsulation of Dandelion ( <i>Taraxacum officinale</i> L.) leaf extract by spray drying. // <i>Food technology and biotechnology</i> , <b>60</b> (2022), 2; 237-252  | 2,4 (2022.) | 4,3 (2022.) | BIOTECHNOLOGY & APPLIED MICROBIOLOGY   | Q3 | 3,3 (2022.) |
|     |  |             |             | FOOD SCIENCE & TECHNOLOGY              | Q3 | 3,1 (2022.) |
| 65. | Matić, Petra; Ukić, Šime; Jakobek, Lidija. The study of adsorption kinetics of flavan-3-ols, dihydrochalcones and anthocyanins onto barley $\beta$ -glucan. // <i>Croatica chemica acta</i> , <b>95</b> (2022), 1; 7-13  | 0,3 (2022.) | 0,8 (2022.) | CHEMISTRY, MULTIDISCIPLINARY           | Q4 | 3,2 (2022.) |
| 66. | Mehić, Emina; Hok, Lucija; Wang, Qian; Dokli, Irena; Svetec Miklenić, Marina; Findrik Blažević, Zvezdana; Tang, Lixia; Vianello, Robert; Majerić Elenkov, Maja. Expanding the scope of enantioselective halohydrin dehalogenases – group B. // <i>Advanced synthesis &amp; catalysis</i> , <b>364</b> (2022), 15; 2576-2588  | 5,4 (2022.) | 4,7 (2022.) | CHEMISTRY, APPLIED                     | Q1 | 2,5 (2022.) |
|     |  |             |             | CHEMISTRY, ORGANIC                     | Q1 | 2,3 (2022.) |
| 67. | Mencaroni, Letizia; Cesaretti, Alessio; Carlotti, Benedetta; Alebardi, Martina; Elisei, Fausto; Ratković, Ana; Škorić, Irena; Spalletti, Anna. Tuning the photophysics of two-arm bis[(dimethylamino)styryl]benzene derivatives by heterocyclic substitution. // <i>Molecules</i> , <b>27</b> (2022), 24; 8725, 20   | 4,6 (2022.) | 4,9 (2022.) | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q2 | 3,7 (2022.) |
|     |  |             |             | CHEMISTRY, MULTIDISCIPLINARY           | Q2 | 3,2 (2022.) |
| 68. | Mencaroni, Letizia; Cesaretti, Alessio; Elisei, Fausto; Škorić, Irena; Mlakić, Milena; Spalletti, Anna. Acid-base strength and acido(fluoro)chromism of three push-pull derivatives of 2,6-distyrylpyridine. // <i>Photochemical &amp; photobiological sciences</i> , <b>21</b> (2022), 935-947  | 3,1 (2022.) | 3,4 (2022.) | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q3 | 3,7 (2022.) |
|     |  |             |             | BIOPHYSICS                             | Q2 | 3,0 (2022.) |
|     |  |             |             | CHEMISTRY, PHYSICAL                    | Q3 | 3,5 (2022.) |
| 69. | Mikić, Dajana; Otmačić Čurković, Helena; Hosseinpour, Saman. Bronze corrosion protection by long-chain phosphonic acids. // <i>Corrosion science</i> , <b>205</b> (2022), 110445, 13   | 8,3 (2022.) | 8,6 (2022.) | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q1 | 3,5 (2022.) |
|     |  |             |             | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,9 (2022.) |
| 70. | Milčić, Nevena; Stepanić, Višnja; Crnolatac, Ivo; Findrik Blažević, Zvezdana; Brkljača, Zlatko; Majerić Elenkov, Maja. Inhibitory effect of DMSO on halohydrin dehalogenase: Experimental and computational insights into the influence of an organic co-solvent on the structural and catalytic properties of a biocatalyst. // <i>Chemistry: a European journal</i> , <b>28</b> (2022), 56; e202201923, 11 | 4,3 (2022.) | 4,1 (2022.) | CHEMISTRY, MULTIDISCIPLINARY           | Q2 | 3,2 (2022.) |
| 71. | Miloloža, Martina; Bule, Kristina; Prevarić, Viktorija; Cvetnić, Matija; Ukić, Šime; Bolanča, Tomislav; Kučić Grgić, Dajana. Assessment of the influence of size and concentration on the ecotoxicity of microplastics to microalgae <i>Scenedesmus</i> sp., bacterium <i>Pseudomonas putida</i> and yeast <i>Saccharomyces cerevisiae</i> . // <i>Polymers</i> , <b>14</b> (2022), 6; 1246, 19              | 5,0 (2022.) | 5,0 (2022.) | POLYMER SCIENCE                        | Q1 | 2,9 (2022.) |

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|-----|--|-----------------|-----------------|--|----|----------------|
| 72. | Miloloža, Martina; Cvetnić, Matija; Kučić Grgić, Dajana; Očelić Bulatović, Vesna; Ukić, Šime; Rogošić, Marko; Dionysiou, Dionysios Dion; Kušić, Hrvoje; Bolanča, Tomislav.<br>Biotreatment strategies for the removal of microplastics from freshwater systems.<br>A review. // <i>Environmental chemistry letters</i> , <b>20</b> (2022), 2; 1377-1402  | 15,7<br>(2022.) | 14,2<br>(2022.) | CHEMISTRY,<br>MULTIDISCIPLINARY        | Q1 | 3,2<br>(2022.) |
|     |  |                 |                 | ENGINEERING,<br>ENVIRONMENTAL          | Q1 | 4,2<br>(2022.) |
|     |  |                 |                 | ENVIRONMENTAL<br>SCIENCES              | Q1 | 3,4<br>(2022.) |
| 73. | Miloloža, Martina; Ukić, Šime; Cvetnić, Matija; Bolanča, Tomislav; Kučić Grgić, Dajana.<br>Optimization of polystyrene biodegradation by <i>Bacillus cereus</i> and <i>Pseudomonas alcaligenes</i> using full factorial design. // <i>Polymers</i> , <b>14</b> (2022), 20; 4299, 18  | 5,0<br>(2022.)  | 5,0<br>(2022.)  | POLYMER SCIENCE                        | Q1 | 2,9<br>(2022.) |
| 74. | Mlakić, Milena; Faraho, Ivan; Odak, Ilijana; Talić, Stanislava; Vukovinski, Ana; Raspudić, Anamarija; Bosnar, Martina; Zadavec, Rahela; Ratković, Ana; Lasić, Kornelija; Marinić, Željko; Barić, Danijela; Škorić, Irena.<br>Synthesis, photochemistry and computational study of novel 1,2,3-triazole heterostilbenes: expressed biological activity of their electrocyclic photoproducts. // <i>Bioorganic chemistry</i> , <b>121</b> (2022), 105701, 21 | 5,1<br>(2022.)  | 5,3<br>(2022.)  | BIOCHEMISTRY &<br>MOLECULAR<br>BIOLOGY | Q2 | 3,7<br>(2022.) |
|     |  |                 |                 | CHEMISTRY,<br>ORGANIC                  | Q1 | 2,3<br>(2022.) |
| 75. | Mlakić, Milena; Fodor, Lajos; Odak, Ilijana; Horváth, Ottó; Lovrić, Marija Jelena; Barić, Danijela; Milašinović, Valentina; Molčanov, Krešimir; Marinić, Željko; Lasić, Zlata; Škorić, Irena.<br>Resveratrol-maltol and resveratrol-thiophene hybrids as cholinesterase inhibitors and antioxidants: Synthesis, bio-metal chelating capability and crystal structure. // <i>Molecules</i> , <b>27</b> (2022), 19; 6379, 26                                 | 4,6<br>(2022.)  | 4,9<br>(2022.)  | BIOCHEMISTRY &<br>MOLECULAR<br>BIOLOGY | Q2 | 3,7<br>(2022.) |
|     |  |                 |                 | CHEMISTRY,<br>MULTIDISCIPLINARY        | Q2 | 3,2<br>(2022.) |
| 76. | Mlakić, Milena; Ljubić, Anabela; Šalić, Anita; Zelić, Bruno; Horváth, Ottó; Milašinović, Valentina; Gojun, Martin; Molčanov, Krešimir; Škorić, Irena.<br>Photocatalytic transformations of the resveratrol derivative in microflow reactor. // <i>Catalysts</i> , <b>12</b> (2022), 12; 1510, 16   | 3,9<br>(2022.)  | 4,2<br>(2022.)  | CHEMISTRY,<br>PHYSICAL                 | Q2 | 3,5<br>(2022.) |
| 77. | Mlakić, Milena; Mandić, Leo; Basarić, Nikola; Mihaljević, Branka; Pavošević, Fabijan; Škorić, Irena.<br>Substituents affect the mechanism of photochemical E-Z isomerization of diarylethene triazoles via adiabatic singlet excited state pathway or via triplet excited state- // <i>Journal of photochemistry and photobiology. A, Chemistry</i> , <b>422</b> (2022), 113567, 12  | 4,3<br>(2022.)  | 3,8<br>(2022.)  | CHEMISTRY,<br>PHYSICAL                 | Q2 | 3,5<br>(2022.) |
| 78. | Mlakić, Milena; Odak, Ilijana; Faraho, Ivan; Talić, Stanislava; Bosnar, Martina; Lasić, Kornelija; Barić, Danijela; Škorić, Irena.<br>New naphtho/thienobenzotriazoles with interconnected anti-inflammatory and cholinesterase inhibitory activity. // <i>European journal of medicinal chemistry</i> , <b>241</b> (2022), 114616, 14   | 6,7<br>(2022.)  | 6,5<br>(2022.)  | CHEMISTRY,<br>MEDICINAL                | Q1 | 3,7<br>(2022.) |

|     |   |                |                |   |    |                |
|-----|---|----------------|----------------|---|----|----------------|
| 79. | Mlakić, Milena; Rajič, Lucija; Ljubić Anabela; Vušak Vitomir; Zelić, Bruno; Gojun, Martin; Odak, Ilijana; Čule, Ivona; Šagud, Ivana; Šalić, Anita; Škorić, Irena.<br>Synthesis of new heterocyclic resveratrol analogues in milli- and microreactors: intensification of the Wittig reaction. // <i>Journal of flow chemistry</i> , <b>12</b> (2022), 4; 429-440                                | 2,7<br>(2022.) | 2,6<br>(2022.) | CHEMISTRY,<br>MULTIDISCIPLINARY         | Q3 | 3,2<br>(2022.) |
| 80. | Modrić, Marina; Božičević, Marin; Odak, Ilijana; Talić, Stanislava; Barić, Danijela; Mlakić, Milena; Raspudić, Anamarija; Škorić, Irena.<br>The structure-activity relationship and computational studies of 1,3-thiazole derivatives as cholinesterase inhibitors with anti-inflammatory activity. // <i>Comptes rendus. Chimie</i> , <b>25</b> (2022), 267-279                                | 1,6<br>(2022.) | 2,8<br>(2022.) | CHEMISTRY,<br>MULTIDISCIPLINARY         | Q4 | 3,2<br>(2022.) |
| 81. | Mutavdžić Pavlović, Dragana; Tolić Čop, Kristina; Barbir, Vendi; Gotovuša, Mía; Lukač, Ivan; Lozančić, Ana; Runje, Mislav.<br>Sorption of cefdinir, memantine, praziquantel and trimethoprim in sediment and soil samples. // <i>Environmental science and pollution research</i> , <b>29</b> (2022), 44; 66841-6685  | 5,8<br>(2022.) | 5,4<br>(2022.) | ENVIRONMENTAL<br>SCIENCES               | Q1 | 3,4<br>(2022.) |
| 82. | Mutavdžić Pavlović, Dragana; Tolić Čop, Kristina; Prskalo, Helena; Runje, Mislav.<br>Influence of organic matter on the sorption of cefdinir, memantine and praziquantel on different soil and sediment samples. // <i>Molecules</i> , <b>27</b> (2022), 22; 8008, 18   | 4,6<br>(2022.) | 4,9<br>(2022.) | BIOCHEMISTRY &<br>MOLECULAR<br>BIOLOGY  | Q2 | 3,7<br>(2022.) |
|     |   |                |                | CHEMISTRY,<br>MULTIDISCIPLINARY         | Q2 | 3,2<br>(2022.) |
| 83. | Mužina, Katarina; Kurajica, Stanislav; Guggenberger, Patrick; Duplančić, Marina; Dražić, Goran.<br>Catalytic activity and properties of copper-doped ceria nanocatalyst for VOCs oxidation. // <i>Journal of materials research</i> , <b>37</b> (2022), 11; 1929-1940   | 2,7<br>(2022.) | 3,0<br>(2022.) | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY | Q3 | 3,5<br>(2022.) |
| 84. | Nabgui, Abderrahmane; Follain, Nadège; Vidović, Elvira; El Haskouri, Jamal; Marais, Stéphane; El Meziane, Abdellatif; Lahcini, Mohamed; Thébault, Pascal.<br>Preparation and study of the thermal, barrier and antibacterial properties of Polylactic acid-Fluorophlogopite-Silver nanoparticles nanocomposite films. // <i>Progress in organic coatings</i> , <b>171</b> (2022), 107041-107041 | 6,6<br>(2022.) | 5,9<br>(2022.) | CHEMISTRY, APPLIED                      | Q1 | 2,5<br>(2022.) |
|     |   |                |                | MATERIALS SCIENCE,<br>COATINGS & FILMS  | Q1 | 3,1<br>(2022.) |
| 85. | Ondrašek, Gabrijel; Jelovica Badovinac, Ivana; Peter, Robert; Petravić, Mladen; Macan, Jelena; Rengel, Zed.<br>Humates and chlorides synergistically increase Cd phytoaccumulation in strawberry fruits, heightening health risk from Cd in human diet. // <i>Exposure and health</i> , <b>14</b> (2022), 2; 393-410  | 6,7<br>(2022.) | 7,7<br>(2022.) | WATER RESOURCES                         | Q1 | 2,7<br>(2022.) |
| 86. | Panić, Manuela; Radović, Mía; Cvjetko Bubalo, Marina; Radošević, Kristina; Rogošić, Marko; Coutinho, João A. P.; Radojčić Redovniković, Ivana; Jurinjak Tušek, Ana.<br>Prediction of pH value of aqueous acidic and basic deep eutectic solvent using COSMO-RS $\sigma$ profiles' molecular descriptors. // <i>Molecules</i> , <b>27</b> (2022), 14; 4489, 14                                   | 4,6<br>(2022.) | 4,9<br>(2022.) | BIOCHEMISTRY &<br>MOLECULAR<br>BIOLOGY  | Q2 | 3,7<br>(2022.) |
|     |   |                |                | CHEMISTRY,<br>MULTIDISCIPLINARY         | Q2 | 3,2<br>(2022.) |

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|-----|--|----------------|----------------|--|----------------|----------------|
| 87. | Panžić, Ivana; Mandić, Vilko; Bafti, Arijeta; Pavić, Luka; Mičetić, Maja; Peretin, Ivan; Bernstorff, Sigrid.<br>Structural and electrical point of view on addressing the organisation of the constituting domains in DC magnetron sputtered AZO films. // <i>Journal of materials science</i> , <b>57</b> (2022), 30; 14246-14264   | 4,5<br>(2022.) | 4,2<br>(2022.) | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY      | Q <sub>2</sub> | 3,5<br>(2022.) |
| 88. | Pavlešić, Tomislav; Saftić Martinović, Lara; Peršurić, Željka; Maletić, Edi; Žulj Mihaljević, Maja; Stupić, Domagoj; Andabaka, Željko; Grgić, Zoran; Kraljević Pavelić, Sandra.<br>From the autochthonous grape varieties of the Kastav region (Croatia) to the Belica wine. // <i>Food technology and biotechnology</i> , <b>60</b> (2022), 1; 11-20  | 2,4<br>(2022.) | 4,3<br>(2022.) | BIOTECHNOLOGY &<br>APPLIED<br>MICROBIOLOGY   | Q <sub>3</sub> | 3,3<br>(2022.) |
|     |  |                |                | FOOD SCIENCE &<br>TECHNOLOGY                 | Q <sub>3</sub> | 3,1<br>(2022.) |
| 89. | Perin, Nataša; Babić, Darko; Kassal, Petar; Čikoš, Ana; Hranjec, Marijana; Vianello, Robert.<br>Spectroscopic and computational study of the protonation equilibria of amino-substituted benzo[b]thieno[2,3-b]pyrido[1,2-a]benzimidazoles as novel pH-sensing materials. // <i>Chemosensors</i> , <b>10</b> (2022), 1; 21, 15  | 4,2<br>(2022.) | 4,2<br>(2022.) | CHEMISTRY,<br>ANALYTICAL                     | Q <sub>2</sub> | 2,9<br>(2022.) |
|     |  |                |                | ELECTROCHEMISTRY                             | Q <sub>2</sub> | 4,0<br>(2022.) |
|     |  |                |                | INSTRUMENTS &<br>INSTRUMENTATION             | Q <sub>2</sub> | 2,6<br>(2022.) |
| 90. | Perin, Nataša; Cindrić, Maja; Zlatar, Ivo; Persoons, Leentje; Daelemans, Dirk; Radovanović, Vedrana; Banjanac, Mihailo; Brajša, Karmen; Hranjec, Marijana.<br>Biological evaluation of novel bicyclic heteroaromatic benzazole derived acrylonitriles: synthesis, antiproliferative and antibacterial activity. // <i>Medicinal chemistry research</i> , <b>31</b> (2022), 8; 1339-1350                  | 2,6<br>(2022.) | 2,3<br>(2022.) | CHEMISTRY,<br>MEDICINAL                      | Q <sub>3</sub> | 3,7<br>(2022.) |
| 91. | Perkušić, Mirna; Nižić Nodilo, Laura; Ugrina, Ivo; Špoljarić, Drago; Jakobišić Brala, Cvijeta; Pepić, Ivan; Lovrić, Jasmina; Matijašić, Gordana; Gretić, Matija; Zdravec, Dijana; Kalogjera, Livije; Hafner, Anita.<br>Tailoring functional spray-dried powder platform for efficient donepezil nose-to-brain delivery. // <i>International journal of pharmaceutics</i> , <b>624</b> (2022), 122038, 15 | 5,8<br>(2022.) | 5,8<br>(2022.) | PHARMACOLOGY &<br>PHARMACY                   | Q <sub>1</sub> | 3,3<br>(2022.) |
| 92. | Petračić, Ana; Sander, Aleksandra; Parlov Vuković, Jelena.<br>Deep eutectic solvents for deacidification of waste biodiesel feedstocks: an experimental study. // <i>Biomass conversion and biorefinery</i> , <b>12</b> (2022), S1; 3-23   | 4,0<br>(2022.) | 4,1<br>(2022.) | ENERGY & FUELS                               | Q <sub>3</sub> | 4,8<br>(2022.) |
|     |  |                |                | ENGINEERING,<br>CHEMICAL                     | Q <sub>2</sub> | 3,2<br>(2022.) |
| 93. | Petrović, Željka; Šarić, Ankica; Despotović, Ines; Katić, Jozefina; Peter, Robert; Petravić, Mladen; Ivanda, Mile; Petković, Marin.<br>Surface functionalisation of dental implants with a composite coating of alendronate and hydrolysed collagen: DFT and EIS studies. // <i>Materials</i> , <b>15</b> (2022), 15; 5127, 20   | 3,4<br>(2022.) | 3,8<br>(2022.) | CHEMISTRY,<br>PHYSICAL                       | Q <sub>3</sub> | 3,5<br>(2022.) |
|     |  |                |                | MATERIALS SCIENCE,<br>MULTIDISCIPLINARY      | Q <sub>3</sub> | 3,5<br>(2022.) |
|     |  |                |                | METALLURGY &<br>METALLURGICAL<br>ENGINEERING | Q <sub>2</sub> | 1,9<br>(2022.) |
|     |  |                |                | PHYSICS, APPLIED                             | Q <sub>2</sub> | 2,7<br>(2022.) |
|     |  |                |                | PHYSICS,<br>CONDENSED<br>MATTER              | Q <sub>2</sub> | 2,8<br>(2022.) |

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| 94.  | Piletić, Kaća; Kovač, Bruno; Perčić, Marko; Žigon, Jure; Broznić, Dalibor; Karleuša, Ljerka; Lučić Blagojević, Sanja; Oder, Martina; Gobin, Ivana.<br>Disinfecting action of gaseous ozone on OXA-48-producing <i>Klebsiella pneumoniae</i> biofilm in vitro. // <i>International journal of environmental research and public health</i> , <b>19</b> (2022), 10; 6177, 18   | 4,614<br>(2021.) | 4,799<br>(2021.) | ENVIRONMENTAL SCIENCES                      | Q2 | 3,692<br>(2021.) |
|      |  |                  |                  | PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH | Q2 | 3,337<br>(2021.) |
| 95.  | Popov, Nina; Ristić, Mira; Kuncser, Victor; Zadro, Krešo; Velinov, Nikolay; Badica, Petre; Alexandtu-Dinu, Andrei; Iacob, Nicusor; Kratožil Krehula, Ljerka; Musić, Svetozar; Krehula, Stjepko.<br>Influence of erbium doping on the structural, magnetic and optical properties of hematite ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ) nanorods. // <i>Journal of physics and chemistry of solids</i> , <b>169</b> (2022), 110857, 13 | 4,0<br>(2022.)   | 3,6<br>(2022.)   | CHEMISTRY, MULTIDISCIPLINARY                | Q2 | 3,2<br>(2022.)   |
|      |  |                  |                  | PHYSICS, CONDENSED MATTER                   | Q2 | 2,8<br>(2022.)   |
| 96.  | Posavčić, Hana; Halkijević, Ivan; Vouk, Dražen; Cvetnić, Matija.<br>Circulating flow hybrid ultrasonic and electrochemical process for the treatment of mineral oil wastewaters. // <i>Journal of water process engineering</i> , <b>49</b> (2022), 103024, 12   | 7,0<br>(2022.)   | 6,7<br>(2022.)   | ENGINEERING, CHEMICAL                       | Q1 | 3,2<br>(2022.)   |
|      |  |                  |                  | ENGINEERING, ENVIRONMENTAL                  | Q2 | 4,2<br>(2022.)   |
|      |  |                  |                  | WATER RESOURCES                             | Q1 | 2,7<br>(2022.)   |
| 97.  | Priselac, Dino; Mahović Poljaček, Sanja; Tomašegović, Tamara; Leskovac, Mirela.<br>Blends based on poly( $\epsilon$ -caprolactone) with addition of poly(lactic acid) and coconut fibers: Thermal analysis, ageing behavior and application for embossing process. // <i>Polymers</i> , <b>14</b> (2022), 9; 1792, 20  | 5,0<br>(2022.)   | 5,0<br>(2022.)   | POLYMER SCIENCE                             | Q1 | 2,9<br>(2022.)   |
| 98.  | Pršir, Kristina; Horak, Ema; Kralj, Marijeta; Uzelac, Lidija; Liekens, Sandra; Murković Steinberg, Ivana; Krištofor, Svjetlana.<br>Design, synthesis, spectroscopic characterisation and in vitro cytostatic evaluation of novel bis(coumarin-1,2,3-triazolyl)benzenes and hybrid coumarin-1,2,3-triazolyl-aryl derivatives. // <i>Molecules</i> , <b>27</b> (2022), 3; 637, 16  | 4,6<br>(2022.)   | 4,9<br>(2022.)   | BIOCHEMISTRY & MOLECULAR BIOLOGY            | Q2 | 3,7<br>(2022.)   |
|      |  |                  |                  | CHEMISTRY, MULTIDISCIPLINARY                | Q2 | 3,2<br>(2022.)   |
| 99.  | Pucko, Ivan; Racar, Marko; Faraguna, Fabio.<br>Synthesis, characterization, and performance of alkyl methacrylates and tert-butylaminoethyl methacrylate tetra polymers as pour point depressants for diesel Influence of polymer composition and molecular weight. // <i>Fuel</i> , <b>324</b> (2022), Part C; 124821, 9  | 7,4<br>(2022.)   | 7,0<br>(2022.)   | ENERGY & FUELS                              | Q2 | 4,8<br>(2022.)   |
|      |  |                  |                  | ENGINEERING, CHEMICAL                       | Q1 | 3,2<br>(2022.)   |
| 100. | Puntarić, Eda; Pezo, Lato; Zgorelec, Željka; Gunjača, Jerko; Kučić Grgić, Dajana; Voća, Neven.<br>Prediction of the production of separated municipal solid waste by artificial neural networks in Croatia and the European Union. // <i>Sustainability</i> , <b>14</b> (2022), 16; 10133, 13  | 3,9<br>(2022.)   | 4,0<br>(2022.)   | ENVIRONMENTAL SCIENCES                      | Q2 | 3,4<br>(2022.)   |
|      |  |                  |                  | GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY    | Q3 | 6,0<br>(2022.)   |
| 101. | Rep, Valentina; Štulić, Rebeka; Koštrun, Sanja; Kuridža, Bojan; Crnolatac, Ivo; Radić Stojković, Marijana; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Raić-Malić, Silvana.<br>Novel tetrahydropyrimidinyl-substituted benzimidazoles and benzothiazoles: synthesis, antibacterial activity, DNA interactions and ADME profiling. // <i>RSC Medicinal Chemistry</i> , <b>13</b> (2022), 12; 1504-1525                       | 4,1<br>(2022.)   | 4,1<br>(2022.)   | BIOCHEMISTRY & MOLECULAR BIOLOGY            | Q2 | 3,7<br>(2022.)   |
|      |  |                  |                  | CHEMISTRY, MEDICINAL                        | Q2 | 3,7<br>(2022.)   |

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|------|---|-----------------|-----------------|---|----|----------------|
| 102. | Rep Kaulić, Valentina; Racané, Livio; Leventić, Marijana; Šubarić, Domagoj; Rastija, Vesna; Glavaš-Obrovac, Ljubica; Raić-Malić, Silvana. Synthesis, antiproliferative evaluation and QSAR analysis of novel halogen- and amidino-substituted benzothiazoles and benzimidazoles. // <i>International journal of molecular sciences</i> , <b>23</b> (2022), 24; 15843, 35  | 5,6<br>(2022.)  | 6,2<br>(2022.)  | BIOCHEMISTRY & MOLECULAR BIOLOGY            | Q1 | 3,7<br>(2022.) |
|      |   |                 |                 | CHEMISTRY, MULTIDISCIPLINARY                | Q2 | 3,2<br>(2022.) |
| 103. | Ressler, Antonia. Chitosan-based biomaterials for bone tissue engineering applications: a short review. // <i>Polymers</i> , <b>14</b> (2022), 16; 3430, 18   | 5,0<br>(2022.)  | 5,0<br>(2022.)  | POLYMER SCIENCE                             | Q1 | 2,9<br>(2022.) |
| 104. | Ressler, Antonia; Antunović, Maja; Teruel-Biosca, Laura; Gallego Ferrer, Gloria; Babić, Slaven; Urlič, Inga; Ivanković, Marica; Ivanković, Hrvoje. Osteogenic differentiation of human mesenchymal stem cells on substituted calcium phosphate/chitosan composite scaffold. // <i>Carbohydrate polymers</i> , <b>277</b> (2022), 118883, 16   | 11,2<br>(2022.) | 10,2<br>(2022.) | CHEMISTRY, APPLIED                          | Q1 | 2,5<br>(2022.) |
|      |   |                 |                 | CHEMISTRY, ORGANIC                          | Q1 | 2,3<br>(2022.) |
|      |   |                 |                 | POLYMER SCIENCE                             | Q1 | 2,9<br>(2022.) |
| 105. | Ressler, Antonia; Bauer, Leonard; Prebeg, Teodora; Ledinski, Maja; Hussainova, Irina; Urlič, Inga; Ivanković, Marica; Ivanković, Hrvoje. PCL/Si-doped multi-phase calcium phosphate scaffolds derived from cuttlefish bone. // <i>Materials</i> , <b>15</b> (2022), 9; 3348, 16   | 3,4<br>(2022.)  | 3,8<br>(2022.)  | CHEMISTRY, PHYSICAL                         | Q3 | 3,5<br>(2022.) |
|      |   |                 |                 | MATERIALS SCIENCE, MULTIDISCIPLINARY        | Q3 | 3,5<br>(2022.) |
|      |   |                 |                 | METALLURGY & METALLURGICAL ENGINEERING      | Q2 | 1,9<br>(2022.) |
|      |   |                 |                 | PHYSICS, APPLIED                            | Q2 | 2,7<br>(2022.) |
|      |   |                 |                 | PHYSICS, CONDENSED MATTER                   | Q2 | 2,8<br>(2022.) |
| 106. | Ressler, Antonia; Ivanišević, Irena; Žužić, Andreja; Somers, Nicolas. The ionic substituted octacalcium phosphate for biomedical applications: A new pathway to follow? // <i>Ceramics international</i> , <b>48</b> (2022), 7; 8838-8851   | 5,2<br>(2022.)  | 4,5<br>(2022.)  | MATERIALS SCIENCE, CERAMICS                 | Q1 | 1,7<br>(2022.) |
| 107. | Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlič, Inga; Hussainova, Irina; Ivanković, Hrvoje. A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial. // <i>Ceramics international</i> , <b>48</b> (2022), 13; 18361-18373   | 5,2<br>(2022.)  | 4,5<br>(2022.)  | MATERIALS SCIENCE, CERAMICS                 | Q1 | 1,7<br>(2022.) |
| 108. | Samzadeh, Amin; Dehghani, Mansooreh; Ali Baghapour, Mohammad; Azdarpoor, Aooalfazl; Derakhshan, Zahra; Cvetnić, Matija; Bolanča, Tomislav; Giannakis, Stefanos; Cao, Ying. Comparative photo-oxidative degradation of etodolac, febusostat and imatinib mesylate by UV-C/H <sub>2</sub> O <sub>2</sub> and UV-C/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> processes: Modeling, treatment optimization and biodegradability enhancement. // <i>Environmental research</i> , <b>212</b> (2022), Part D; 113385, 8 | 8,3<br>(2022.)  | 8,2<br>(2022.)  | ENVIRONMENTAL SCIENCES                      | Q1 | 3,4<br>(2022.) |
|      |   |                 |                 | PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH | Q1 | 3,3<br>(2022.) |
| 109. | Sanchez Tobon, Camilo; Ljubas, Davor; Mandić, Vilko; Panžić, Ivana; Matijašić, Gordana; Čurković, Lidija.   | 5,3<br>(2022.)  | 5,4<br>(2022.)  | CHEMISTRY, MULTIDISCIPLINARY                | Q2 | 3,2<br>(2022.) |
|      |   |                 |                 | MATERIALS SCIENCE, MULTIDISCIPLINARY        | Q2 | 3,5<br>(2022.) |



|      |  |             |             |                                      |                |             |
|------|--|-------------|-------------|--------------------------------------|----------------|-------------|
|      | Microwave-assisted synthesis of N/TiO <sub>2</sub> nanoparticles for photocatalysis under different irradiation spectra. // <i>Nanomaterials</i> , <b>12</b> (2022), 9; 1473, 16   |             |             | NANOSCIENCE & NANOTECHNOLOGY         | Q <sub>2</sub> | 4,7 (2022.) |
|      |  |             |             | PHYSICS, APPLIED                     | Q <sub>1</sub> | 2,7 (2022.) |
| 110. | Sanchez Tobon, Camilo; Panžić, Ivana; Bafti, Arijeta; Matijašić, Gordana; Ljubas, Davor; Čurković, Lidija.<br>Rapid microwave-assisted synthesis of N/TiO <sub>2</sub> /rGO nanoparticles for the photocatalytic degradation of pharmaceuticals. // <i>Nanomaterials</i> , <b>12</b> (2022), 22; 3975, 22  | 5,3 (2022.) | 5,4 (2022.) | CHEMISTRY, MULTIDISCIPLINARY         | Q <sub>2</sub> | 3,2 (2022.) |
|      |  |             |             | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q <sub>2</sub> | 3,5 (2022.) |
|      |  |             |             | NANOSCIENCE & NANOTECHNOLOGY         | Q <sub>2</sub> | 4,7 (2022.) |
|      |  |             |             | PHYSICS, APPLIED                     | Q <sub>1</sub> | 2,7 (2022.) |
| 111. | Sander, Aleksandra; Petračić, Ana; Zokić, Iva; Vrsaljko, Domagoj.<br>Scaling up extractive deacidification of waste cooking oil. // <i>Journal of environmental management</i> , <b>316</b> (2022), 115222, 12   | 8,7 (2022.) | 8,4 (2022.) | ENVIRONMENTAL SCIENCES               | Q <sub>1</sub> | 3,4 (2022.) |
| 112. | Sharifi, Tayebah; Kovačić, Marin; Belec, Monika; Perović, Klara; Popović, Marin; Radić, Gabrijela; Žener, Boštjan; Pulitika, Anamarija; Kraljić Roković, Marijana; Lavrenčić Štangar, Urška; Lončarić Božić, Ana; Kušić, Hrvoje.<br>Effect of functionalized benzene derivatives as potential hole scavengers for BiVO <sub>4</sub> and rGO-BiVO <sub>4</sub> photoelectrocatalytic hydrogen evolution. // <i>Molecules</i> , <b>27</b> (2022), 22; 7806, 17 | 4,6 (2022.) | 4,9 (2022.) | BIOCHEMISTRY & MOLECULAR BIOLOGY     | Q <sub>2</sub> | 3,7 (2022.) |
|      |  |             |             | CHEMISTRY, MULTIDISCIPLINARY         | Q <sub>2</sub> | 3,2 (2022.) |
| 113. | Sokač, Tea; Šalić, Anita; Kučić Grgić, Dajana; Šabić Runjavec, Monika; Vidaković, Marijana; Jurinjak Tušek, Ana; Horvat, Đuro; Juras Krnjak, Jasmina; Vuković Domanovac, Marija; Zelić, Bruno.<br>An enhanced composting process with bioaugmentation: Mathematical modelling and process optimization. // <i>Waste management &amp; research</i> , <b>40</b> (2022), 6; 745-753   | 3,9 (2022.) | 4,2 (2022.) | ENGINEERING, ENVIRONMENTAL           | Q <sub>3</sub> | 4,2 (2022.) |
|      |  |             |             | ENVIRONMENTAL SCIENCES               | Q <sub>2</sub> | 3,4 (2022.) |
| 114. | Sopčić, Suzana; Antonić, Davor; Mandić, Zoran.<br>Effects of the composition of active carbon electrodes on the impedance performance of the AC/AC supercapacitors. // <i>Journal of solid state electrochemistry</i> , <b>26</b> (2022), 3; 591-605   | 2,5 (2022.) | 2,5 (2022.) | ELECTROCHEMISTRY                     | Q <sub>4</sub> | 4,0 (2022.) |
| 115. | Šabić Runjavec, Monika; Vuković Domanovac, Marija; Meštrović, Ernest.<br>Removal of organic pollutants from real pharmaceutical industrial wastewater with environmentally friendly processes. // <i>Chemical papers</i> , <b>76</b> (2022), 3; 1423-1431  | 2,2 (2022.) | 2,0 (2022.) | CHEMISTRY, MULTIDISCIPLINARY         | Q <sub>3</sub> | 3,2 (2022.) |
| 116. | Šalić, Anita; Šamec, Dunja.<br>Changes in the content of glucosinolates, polyphenols and carotenoids during lactic-acid fermentation of cruciferous vegetables: a mini review. // <i>Food Chemistry: X</i> , <b>16</b> (2022), 100457, 6   | 6,1 (2022.) | 6,4 (2022.) | CHEMISTRY, APPLIED                   | Q <sub>1</sub> | 2,5 (2022.) |
| 117. | Šalić, Anita; Zelić, Bruno.<br>A game changer: Microfluidic technology for enhancing biohydrogen production—small size for great performance. // <i>Energies</i> , <b>15</b> (2022), 19; 7065, 22  | 3,2 (2022.) | 3,3 (2022.) | ENERGY & FUELS                       | Q <sub>3</sub> | 4,8 (2022.) |
| 118. | Šoljić, Ines; Šoić, Ivana; Kostelac, Lorena; Martinez, Sanja.<br>AC interference impact on EIS assessment of organic coatings using dummy cells, calibration foils and field exposed coated samples. // <i>Progress in organic coatings</i> , <b>165</b> (2022), 106767, 12  | 6,6 (2022.) | 5,9 (2022.) | CHEMISTRY, APPLIED                   | Q <sub>1</sub> | 2,5 (2022.) |
|      |  |             |             | MATERIALS SCIENCE, COATINGS & FILMS  | Q <sub>1</sub> | 3,1 (2022.) |

|      |   |                |                |  |    |                |
|------|---|----------------|----------------|--|----|----------------|
| 119. | Tolić Čop, Kristina; Mutavdžić Pavlović, Dragana; Duić, Katarina; Pranjić, Minea; Fereža, Iva; Jajčinović, Igor; Brnardić, Ivan; Špada, Vedrana.<br>Sorption potential of different forms of TiO <sub>2</sub> for the removal of two anticancer drugs from water. // <i>Applied sciences (Basel)</i> , <b>12</b> (2022), 9; 4113, 15                          | 2,7<br>(2022.) | 2,9<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY           | Q3 | 3,2<br>(2022.) |
|      |   |                |                | ENGINEERING, MULTIDISCIPLINARY         | Q2 | 2,4<br>(2022.) |
|      |   |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q3 | 3,5<br>(2022.) |
|      |   |                |                | PHYSICS, APPLIED                       | Q2 | 2,7<br>(2022.) |
| 120. | Tolić Čop, Kristina; Mutavdžić Pavlović, Dragana; Gazivoda Kraljević, Tatjana.<br>Photocatalytic activity of TiO <sub>2</sub> for the degradation of anticancer drugs. // <i>Nanomaterials</i> , <b>12</b> (2022), 19; 3532, 19   | 5,3<br>(2022.) | 5,4<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY           | Q2 | 3,2<br>(2022.) |
|      |   |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q2 | 3,5<br>(2022.) |
|      |   |                |                | NANOSCIENCE & NANOTECHNOLOGY           | Q2 | 4,7<br>(2022.) |
|      |   |                |                | PHYSICS, APPLIED                       | Q1 | 2,7<br>(2022.) |
| 121. | Tomić, Antonija; Cvetnić, Matija; Kovačić, Marin; Kušić, Hrvoje; Karamanis, Panagiotis; Lončarić Božić, Ana.<br>Structural features promoting adsorption of contaminants of emerging concern onto TiO <sub>2</sub> P25: experimental and computational approaches. // <i>Environmental science and pollution research</i> , <b>29</b> (2022), 58; 87628-87644 | 5,8<br>(2022.) | 5,4<br>(2022.) | ENVIRONMENTAL SCIENCES                 | Q1 | 3,4<br>(2022.) |
| 122. | Trivanović, Dragan; Peršurić, Željka; Agaj, Andrea; Jakopović, Marko; Samaržija, Miroslav; Bitar, Lela; Pavelić, Krešimir.<br>The interplay of lung cancer, COVID-19, and vaccines. // <i>International journal of molecular sciences</i> , <b>23</b> (2022), 23; 15067, 15   | 5,6<br>(2022.) | 6,2<br>(2022.) | BIOCHEMISTRY & MOLECULAR BIOLOGY       | Q1 | 3,7<br>(2022.) |
|      |   |                |                | CHEMISTRY, MULTIDISCIPLINARY           | Q2 | 3,2<br>(2022.) |
| 123. | Ujević Andrijić, Željka; Bolf, Nenad; Rimac, Nikola; Brzović, Adriana.<br>Fouling detection in industrial heat exchanger using number of transfer units method, neural network and nonlinear finite impulse response models. // <i>Heat transfer engineering</i> , <b>43</b> (2022), 21; 1852-1866  | 2,3<br>(2022.) | 2,2<br>(2022.) | ENGINEERING, MECHANICAL                | Q3 | 2,5<br>(2022.) |
|      |   |                |                | MECHANICS                              | Q3 | 2,5<br>(2022.) |
|      |   |                |                | THERMODYNAMICS                         | Q3 | 2,4<br>(2022.) |
| 124. | Ukić, Sime; Ašperger, Danijela; Bolanča, Tomislav.<br>A brief review of chromatography in Croatia. // <i>Separations</i> , <b>9</b> (2022), 134, 6  | 2,6<br>(2022.) | 2,7<br>(2022.) | CHEMISTRY, ANALYTICAL                  | Q3 | 2,9<br>(2022.) |
| 125. | Vasudevan, Aswathy; Shvalya, Vasyli; Košiček, Martin; Zavašnik, Janez; Jurov, Andrea; Santhosh, Neelakandan M.; Zidanšek, Aleksander; Cvelbar, Uroš.<br>From faceted nanoparticles to nanostructured thin film by plasma-jet redox reaction of ionic gold. // <i>Journal of alloys and compounds</i> , <b>928</b> (2022), 167155, 1                           | 6,2<br>(2022.) | 5,3<br>(2022.) | CHEMISTRY, PHYSICAL                    | Q2 | 3,5<br>(2022.) |
|      |   |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q2 | 3,5<br>(2022.) |
|      |   |                |                | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,9<br>(2022.) |
| 126. | Vidak, Andrej; Movre Šapić, Iva; Hadžimehmedović, Mirza.<br>Rolling motion: augmented reality animations and multiplatform simulation. // <i>Physics teacher</i> , <b>60</b> (2022), 6; 445-448   | 0,9<br>(2022.) | 0,9<br>(2022.) | EDUCATION, SCIENTIFIC DISCIPLINES      | Q4 | 2,8<br>(2022.) |
|      |   |                |                | PHYSICS, MULTIDISCIPLINARY             | Q4 | 2,6<br>(2022.) |
| 127. | Vladimir-Knežević, Sanda; Perković, Marijana; Zagajski Kučan, Kristina; Mervić, Mateja; Rogošić, Marko.<br>Green extraction of flavonoids and phenolic acids from elderberry ( <i>Sambucus nigra</i> L.) and rosemary ( <i>Rosmarinus officinalis</i> L.) using deep eutectic solvents. // <i>Chemical papers</i> , <b>76</b> (2022), 1; 341-349              | 2,2<br>(2022.) | 2,0<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY           | Q3 | 3,2<br>(2022.) |

|      |  |                |                |                                      |    |                |
|------|--|----------------|----------------|--------------------------------------|----|----------------|
| 128. | Vouk, Dražen; Nakić, Domagoj; Bubalo, Andelina; Bolanča, Tomislav.<br>Environmental aspects in selecting optimum variant of sewage sludge management. // <i>Environmental engineering and management journal</i> , <b>21</b> (2022), 3; 443-456  | 1,1<br>(2022.) | 0,9<br>(2022.) | ENVIRONMENTAL SCIENCES               | Q4 | 3,4<br>(2022.) |
| 129. | Vrsalović, Mislav; Vrsalović Presečki, Ana; Aboynas, Victor.<br>Cardiac troponins predict mortality and cardiovascular outcomes in patients with peripheral artery disease: A systematic review and meta-analysis of adjusted observational studies. // <i>Clinical cardiology</i> , <b>45</b> (2022), 2; 198-204          | 2,7<br>(2022.) | 2,7<br>(2022.) | CARDIAC & CARDIOVASCULAR SYSTEMS     | Q3 | 3,1<br>(2022.) |
| 130. | Vuk, Dragana; Radovanović-Perić, Floren; Mandić, Vilko; Lovrinčević, Vilma; Rath, Thomas; Panžić, Ivana; Le-Cunff, Jerome.<br>Synthesis and nanoarchitectonics of novel squaraine derivatives for organic photovoltaic devices. // <i>Nanomaterials</i> , <b>12</b> (2022), 7; 1206, 16                                    | 5,3<br>(2022.) | 5,4<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY         | Q2 | 3,2<br>(2022.) |
|      |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY | Q2 | 3,5<br>(2022.) |
|      |  |                |                | NANOSCIENCE & NANOTECHNOLOGY         | Q2 | 4,7<br>(2022.) |
|      |  |                |                | PHYSICS, APPLIED                     | Q1 | 2,7<br>(2022.) |
| 131. | Vuković Domanovac, Marija; Šabić Runjavec, Monika; Meštrović, Ernest.<br>The modelling of biosorption for rapid removal of organic matter with activated sludge biomass from real industrial effluents. // <i>Korean journal of chemical engineering</i> , <b>39</b> (2022), 12; 3361-3368                                 | 2,7<br>(2022.) | 2,4<br>(2022.) | CHEMISTRY, MULTIDISCIPLINARY         | Q3 | 3,2<br>(2022.) |
|      |  |                |                | ENGINEERING, CHEMICAL                | Q3 | 3,2<br>(2022.) |
| 132. | Yarbay Şahin, R. Z.; Duplančić, Marina; Tomašić, Vesna; Badia i Córcoles, J. H.; Kurajica, Stanislav.<br>Essential role of B metal species in perovskite type catalyst structure and activity on toluene oxidation. // <i>International journal of environmental science and technology</i> , <b>19</b> (2022), 1; 553-564 | 3,1<br>(2022.) | 3,2<br>(2022.) | ENVIRONMENTAL SCIENCES               | Q3 | 3,4<br>(2022.) |
| 133. | Zečević, Nenad; Bolf, Nenad.<br>Advanced operation and monitoring the economic performance of ammonia production based on natural gas steam reforming by using programmed feedforward-Ratio-Cascade controllers. // <i>Chemical engineering communications</i> , <b>209</b> (2022), 6; 774-797                             | 2,5<br>(2022.) | 2,4<br>(2022.) | ENGINEERING, CHEMICAL                | Q3 | 3,2<br>(2022.) |
| 134. | Zelić, Ivana Elizabeta; Povijač, Kristina; Gilja, Vanja; Tomašić, Vesna; Gomzi, Zoran.<br>Photocatalytic degradation of acetamiprid in a rotating photoreactor - determination of reactive species. // <i>Catalysis communications</i> , <b>169</b> (2022), 106474, 7  | 3,7<br>(2022.) | 3,3<br>(2022.) | CHEMISTRY, PHYSICAL                  | Q2 | 3,5<br>(2022.) |
| 135. | Zeljko, Martina; Ocelić Bulatović, Vesna; Blažić, Roko; Lučić Blagojević, Sanja.<br>The development of eco-friendly UV-protective polyacrylate/rutile TiO <sub>2</sub> coating. // <i>Journal of applied polymer science</i> , <b>139</b> (2022), 25; e52393, 13   | 3,0<br>(2022.) | 2,9<br>(2022.) | POLYMER SCIENCE                      | Q2 | 2,9<br>(2022.) |
| 136. | Zhang, Chen; Zhu, Zixuan; Špoljar, Maria; Kuczyńska-Kippen, Natalia; Dražina, Tvrtko; Cvetnić, Matija; Mlecsek, Mirosław.<br>Ecosystem models indicate zooplankton biomass response to nutrient input and climate warming is related to lake size. // <i>Ecological modelling</i> , <b>464</b> (2022), 109837, 15          | 3,1<br>(2022.) | 3,1<br>(2022.) | ECOLOGY                              | Q2 | 2,6<br>(2022.) |
| 137. | Zhu, Dapeng; Hu, Chenglong; Zhao, Rongzhi; Tan, Xiangyang; Li, Yixing; Mandić, Vilko; Shi, Zhen; Zhang, Xuefeng.   | 5,4<br>(2022.) | 4,8<br>(2022.) | MATERIALS SCIENCE, COATINGS & FILMS  | Q1 | 3,1<br>(2022.) |

|      |  |                |                |  |    |                |
|------|--|----------------|----------------|--|----|----------------|
|      | Fabrication of cerium oxide films with thickness and hydrophobicity gradients. // <i>Surface &amp; coatings technology</i> , <b>430</b> (2022), 127985, 8  |                |                | PHYSICS, APPLIED                       | Q1 | 2,7<br>(2022.) |
| 138. | Žerjav, Gregor; Žižek, Krunoslav; Zavašnik, Janez; Pintar, Albin.<br>Brookite vs. rutile vs. anatase: What's behind their various photocatalytic activities? // <i>Journal of environmental chemical engineering</i> , <b>10</b> (2022), 3; 107722, 18                               | 7,7<br>(2022.) | 7,3<br>(2022.) | ENGINEERING, CHEMICAL                  | Q1 | 3,2<br>(2022.) |
|      |  |                |                | ENGINEERING, ENVIRONMENTAL             | Q1 | 4,2<br>(2022.) |
| 139. | Žužić, Andreja; Car, Filip; Macan, Jelena; Tomašić, Vesna; Gajović, Andreja.<br>Simultaneous oxidation of aromatic compounds using Sr-doped lanthanum manganites as catalysts. // <i>International journal of applied ceramic technology</i> , <b>19</b> (2022), 5; 2891-2904        | 2,1<br>(2022.) | 2,1<br>(2022.) | MATERIALS SCIENCE, CERAMICS            | Q2 | 1,7<br>(2022.) |
| 140. | Žužić, Andreja; Filipan, Veljko; Sutlović, Igor; Macan, Jelena.<br>Perovskite oxides for energy applications. // <i>Tehnički vjesnik</i> , <b>29</b> (2022), 4; 1419-1425  | 0,9<br>(2022.) | 0,8<br>(2022.) | ENGINEERING, MULTIDISCIPLINARY         | Q4 | 2,4<br>(2022.) |
| 141. | Žužić, Andreja; Ressler, Antonia; Macan, Jelena.<br>Perovskite oxides as active materials in novel alternatives to well-known technologies: A review. // <i>Ceramics international</i> , <b>48</b> (2022), 19, Part A; 27240-27261   | 5,2<br>(2022.) | 4,5<br>(2022.) | MATERIALS SCIENCE, CERAMICS            | Q1 | 1,7<br>(2022.) |
| 142. | Žužić, Andreja; Ressler, Antonia; Macan, Jelena.<br>Evaluation of carbonate precursors in manganite coprecipitation synthesis by Fourier transform infrared (FTIR) spectroscopy. // <i>Solid state communications</i> , <b>341</b> (2022), 114594, 9                                 | 2,1<br>(2022.) | 1,6<br>(2022.) | PHYSICS, CONDENSED MATTER              | Q3 | 2,8<br>(2022.) |
| 143. | Žužić, Andreja; Ressler, Antonia; Šantić, Ana; Macan, Jelena; Gajović, Andreja.<br>The effect of synthesis method on oxygen nonstoichiometry and electrical conductivity of Sr-doped lanthanum manganites. // <i>Journal of alloys and compounds</i> , <b>907</b> (2022), 164456, 10 | 6,2<br>(2022.) | 5,3<br>(2022.) | CHEMISTRY, PHYSICAL                    | Q2 | 3,5<br>(2022.) |
|      |  |                |                | MATERIALS SCIENCE, MULTIDISCIPLINARY   | Q2 | 3,5<br>(2022.) |
|      |  |                |                | METALLURGY & METALLURGICAL ENGINEERING | Q1 | 1,9<br>(2022.) |

#### SCOPUS – 2021.

| R. br. | Referenca rada indeksiranog u bazi podataka Scopus  | IF               | Znanstveno područje časopisa prema Scopusu (Subject Area) |
|--------|---|------------------|---|
| 1.     | Babić, Kristina; Tomašić, Vesna; Gilja, Vanja; Le Cunff, Jerome; Gomzi, Vjeran; Pintar, Albin; Žerjav, Gregor; Kurajica, Stanislav; Duplančić, Marina; Zelić, Ivana Elizabeta; Vukušić Pavičić, Tomislava; Grčić, Ivana.<br>Photocatalytic degradation of imidacloprid in the flat-plate photoreactor under UVA and simulated solar irradiance conditions—The influence of operating conditions, kinetics and degradation pathway. // <i>Journal of environmental chemical engineering</i> , <b>9</b> (2021), 4; 105611, 14 | 7,968<br>(2021.) | Environmental Science                                     |
|        |   |                  | Chemical Engineering                                      |
| 2.     | Bačić, Matea; Ljubić, Anabela; Gojun, Martin; Šalić, Anita; Jurinjak Tušek, Ana; Zelić, Bruno.<br>Continuous integrated process of biodiesel production and purification—the end of the conventional two-stage batch process? // <i>Energies</i> , <b>14</b> (2021), 2; 403, 17   | 3,252<br>(2021.) | Mathematics   |
|        |   |                  | Engineering   |
|        |   |                  | Energy  |
| 3.     | Batelić Jakov; Špada Vedrana; Liverić Lovro; Martinez Sanja.<br>Investigation of pipeline failure in a thermalpower plant's process waste water distribution system. // <i>Materiali in tehnologije</i> , <b>55</b> (2021), 1; 135-140  | 0,650<br>(2021.) | Materials Science   |
| 4.     |   |                  | Physics and Astronomy                                     |

|     |  |                  |   |
|-----|--|------------------|---|
|     | Bauer, Leonard; Antunović, Maja; Gallego-Ferrer, Gloria; Ivanković, Marica; Ivanković, Hrvoje.<br>PCL-coated multi-substituted calcium phosphate bone scaffolds with enhanced properties. // <i>Materials</i> . <b>14</b> (2021) , 16; 4403, 19  | 3,748<br>(2021.) | Materials Science                             |
| 5.  | Bauer, Leonard; Antunović, Maja; Rogina, Anamarija; Ivanković, Marica; Ivanković, Hrvoje.<br>Bone-mimetic porous hydroxyapatite/whitlockite scaffolds: preparation, characterization and interactions with human mesenchymal stem cells. // <i>Journal of materials science</i> . <b>56</b> (2021) , 5; 3947-3969  | 4,682<br>(2021.) | Engineering                                   |
|     |  |                  | Materials Science                             |
| 6.  | Beč, Anja; Hok, Lucija; Persoons, Leentje; Vanstreels, Els; Daelemans, Dirk; Vianello, Robert; Hranjec, Marijana.<br>Synthesis, computational analysis, and antiproliferative activity of novel benzimidazole acrylonitriles as tubulin polymerization inhibitors: Part 2. // <i>Pharmaceuticals</i> . <b>14</b> (2021), 10; 1052, 26  | 5,215<br>(2021.) | Pharmacology, Toxicology and Pharmaceutics    |
|     |  |                  | Biochemistry, Genetics and Molecular Biology: |
| 7.  | Begović Kovač, Erna.<br>Finding the closest normal structured matrix. // <i>Linear algebra and its applications</i> . <b>617</b> (2021) ; 49-77  | 1,307<br>(2021.) | Mathematics                                   |
| 8.  | Begović Kovač, Erna; Fassbender, Heike; Saltenberger, Philip.<br>On normal and structured matrices under unitary structure-preserving transformations. // <i>Linear algebra and its applications</i> . <b>608</b> (2021) ; 322-342   | 1,307<br>(2021.) | Mathematics                                   |
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| 10. | Bertagna Silva, Danilo; Buttiglieri, Gianluigi; Babić, Tomislav; Ćurković, Lidija; Babić, Sandra.<br>Impact of UV-LED photoreactor design on the degradation of contaminants of emerging concern. // <i>Process safety and environmental protection</i> . <b>153</b> (2021) ; 94-106   | 7,926<br>(2021.) | Engineering                                   |
|     |  |                  | Environmental Science                         |
|     |  |                  | Chemical Engineering                          |
| 11. | Biošić, Martina; Dabić, Dario; Škorić, Irena; Babić, Sandra.<br>Effects of environmental factors on nitrofurantoin photolysis in water and its acute toxicity assessment. // <i>Environmental science-processes &amp; impacts</i> . <b>23</b> (2021) , 9; 1385-1393  | 5,334<br>(2021.) | Medicine                                      |
|     |  |                  | Environmental Science                         |
| 12. | Bistrović Popov, Andrea; Vianello, Robert; Grbčić, Petra; Sedić, Mirela; Pavelić Kraljević, Sandra; Pavelić, Krešimir; Raić-Malić, Silvana.<br>Novel bis- and mono-pyrrolo[2,3-d]pyrimidine and purine derivatives: Synthesis, computational analysis and antiproliferative evaluation. // <i>Molecules</i> . <b>26</b> (2021) , 11; 3334, 26  | 4,927<br>(2021.) | Chemistry                                     |
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|     |  |                  | Biochemistry, Genetics and Molecular Biology  |
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|     |  |                  | Materials Science                             |
|     |  |                  | Chemistry                                     |
| 14. | Bosch, Sandra; Sanchez-Freire, Esther; del Pozo, María Luisa; Česnik, Morana; Quesada, Jaime; Mate, Diana M.; Hernández, Karel; Qi, Yuyin; Clapés, Pere; Vasić-Rački, Đurđa; Findrik Blažević, Zvezdana; Berenguer, José; Hidalgo, Aurelio.<br>Thermostability engineering of a class II pyruvate aldolase from <i>Escherichia coli</i> by in vivo folding interference. // <i>ACS sustainable chemistry &amp; engineering</i> . <b>9</b> (2021) , 15; 5430-5436 | 9,224<br>(2021.) | Chemical Engineering                          |
|     |  |                  | Environmental Science                         |
|     |  |                  | Chemistry                                     |
|     |  |                  | Energy  |
| 15. | Briševac, Zlatko; Pollak, Davor; Maričić, Ana; Vlahek, Andreja.<br>Modulus of elasticity for grain-supported carbonates—determination and estimation for preliminary engineering purposes. // <i>Applied sciences (Basel)</i> . <b>11</b> (2021) , 13; 6148, 18  | 2,838<br>(2021.) | Engineering                                   |
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|     |  |                  | Computer Science                              |
|     |  |                  | Chemical Engineering                          |

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| 16. | Brusač, Edvin; Jeličić, Mario-Livio; Cvetnić, Matija; Amidžić Klarić, Daniela; Nigović, Biljana; Mornar, Ana.<br>A comprehensive approach to compatibility testing using chromatographic, thermal and spectroscopic techniques: evaluation of potential for a monolayer fixed-dose combination of 6-mercaptopurine and folic acid. // <i>Pharmaceuticals</i> . <b>14</b> (2021) , 3; 274, 16  | 5,215 (2021.)  | Pharmacology, Toxicology and Pharmaceutics<br>Biochemistry, Genetics and Molecular Biology |
| 17. | Buhin Šturlić, Zrinka; Leskovac, Mirela; Lučić Blagojević, Sanja.<br>Influence of silica surface modification on poly (butyl acrylate-co-methyl methacrylate)/silica emulsion stability. // <i>International journal of surface science and engineering</i> . <b>15</b> (2021) , 4; 307-321   | 0,944 (2021.)  | Engineering<br>Materials Science<br>Physics and Astronomy                                  |
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| 19. | Česnik Katulić, Morana; Sudar, Martina; Hernández, Karel; Qi, Yuyin; Charnock, Simon J.; Vasić-Rački, Đurdica; Clapés, Pere; Findrik Blažević, Zvezdana.<br>Cascade synthesis of L-homoserine catalyzed by lyophilized whole cells containing transaminase and aldolase activities: The mathematical modeling approach. // <i>Industrial &amp; engineering chemistry research</i> . <b>60</b> (2021) , 38; 13846-13858                  | 4,326 (2021.)  | Engineering<br>Chemical Engineering<br>Chemistry   |
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| 21. | Čurić, Iva; Dolar, Davor; Bošnjak, Jelena.<br>Reuse of textile wastewater for dyeing cotton knitted fabric with hybrid treatment: Coagulation/sand filtration/UF/NF-RO. // <i>Journal of environmental management</i> . <b>295</b> (2021) ; 113133, 8   | 8,910 (2021.)  | Environmental Science  |
| 22. | Čurić, Iva; Dolar, Davor; Karadakić, Klara.<br>Textile wastewater reusability in knitted fabric washing processes using UF membrane technology. // <i>Journal of cleaner production</i> . <b>299</b> (2021) ; 126899, 10  | 11,072 (2021.) | Business, Management and Accounting<br>Engineering<br>Environmental Science<br>Energy      |
| 23. | Čurković, Lidija; Otmačić Čurković, Helena; Žmak, Irena; Kerolli Mustafa, Mihone; Gabelica, Ivana.<br>Corrosion behavior of amorphous sol-gel TiO <sub>2</sub> -ZrO <sub>2</sub> nano thickness film on stainless steel. // <i>Coatings</i> . <b>11</b> (2021) , 8; 988, 14   | 3,236 (2021.)  | Materials Science<br>Physics and Astronomy   |
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| 27. | Dokli, Irena; Milčić, Nevena; Marin, Petra; Svetec Miklenić, Marina; Sudar, Martina; Tang, Lixia; Findrik Blažević, Zvezdana; Majerić Elenkov, Maja. Halohydrin dehalogenase-catalysed synthesis of fluorinated aromatic chiral building blocks. // <i>Catalysis communications</i> . <b>152</b> (2021) ; 106285, 5  | 3,510<br>(2021.)  | Chemistry                                    |
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| 28. | Duplančić, Marina; Gomzi, Vjeran; Pintar, Albin; Kurajica, Stanislav; Tomašić, Vesna. Experimental and theoretical (ReaxFF) study of manganese-based catalysts for low-temperature toluene oxidation. // <i>Ceramics international</i> . <b>47</b> (2021) , 3; 3108-3121   | 5,532<br>(2021.)  | Materials Science                            |
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| 29. | El Assimi, Taha; Blažić, Roko; Raihane, Mustapha; El Meziane, Abdellatif; Baouab, Mohamed Hassen V.; Khouloud, Mehdi; Beniazza, Redouane; Kricheldorf, Hans; Lahcini, Mohammed. Polylactide/cellulose acetate biocomposites as potential coating membranes for controlled and slow nutrients release from water-soluble fertilizers. // <i>Progress in organic coatings</i> . <b>156</b> (2021) ; 106255, 10 | 6,206<br>(2021.)  | Materials Science                            |
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| 30. | Findrik Blažević, Zvezdana; Milčić, Nevena; Sudar, Martina; Majerić Elenkov, Maja. Halohydrin dehalogenases and their potential in industrial application – a viewpoint of enzyme reaction engineering. // <i>Advanced synthesis &amp; catalysis</i> . <b>363</b> (2021) , 2; 388-410  | 5,981<br>(2021.)  | Chemistry                                    |
|     |  |                   | Chemical Engineering                         |
| 31. | Gabelica, Ivana; Ćurković, Lidija; Mandić, Vilko; Panžić, Ivana; Ljubas, Davor; Zadro, Krešo. Rapid microwave-assisted synthesis of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /TiO <sub>2</sub> core-2-layer-shell nanocomposite for photocatalytic degradation of ciprofloxacin. // <i>Catalysts</i> . <b>11</b> (2021), 10; 1136, 19  | 4,501<br>(2021.)  | Environmental Science                        |
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| 32. | Gojun, Martin; Ljubić, Anabela; Bačić, Matea; Jurinjak Tušek, Ana; Šalić, Anita; Zelić, Bruno. Model-to-model: comparison of mathematical process models of lipase catalysed biodiesel production in a microreactor. // <i>Computers &amp; chemical engineering</i> . <b>145</b> (2021) ; 107200, 14   | 4,130<br>(2021.)  | Chemical Engineering                         |
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| 33. | Gojun, Martin; Šalić, Anita; Zelić, Bruno. Integrated microsystems for lipase-catalysed biodiesel production and glycerol removal by extraction or ultrafiltration. // <i>Renewable energy</i> . <b>180</b> (2021) ; 213-221   | 8,634<br>(2021.)  | Energy                                       |
| 34. | Gomzi, Vjeran; Movre Šapić, Iva ; Vidak, Andrej. ReaxFF force field development and application for toluene adsorption on MnMO <sub>x</sub> (M = Cu, Fe, Ni) catalysts. // <i>Journal of physical chemistry. A</i> . <b>125</b> (2021) , 50; 10649-10656   | 2,944<br>(2021.)  | Chemistry                                    |
| 35. | Govorčin Bajsić, Emi; Peršić, Ana; Jemrić, Tomislav; Buhin, Josip; Kučić Grgić, Dajana; Zdraveva, Emilija; Žižek, Krunoslav; Holjevac Grgurić, Tamara. Preparation and characterization of polyethylenebiocomposites reinforced by rice husk: application as potential packaging material. // <i>Chemistry</i> . <b>3</b> (2021) , 4; 1344-1362  | -                 | -  |
| 36. | Govorčin Bajsić, Emi; Zdraveva, Emilija; Holjevac Grgurić, Tamara; Slivac, Igor; Tominać Trcin, Mirna; Mrkonjić, Nikolina; Kuzmić, Sunčica; Dolenc, Tamara; Vrgoč Zimić, Ivana; Mijović, Budimir. Preparation and characterization of electrospun PCL/silk fibroin scaffolds. // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 1; 31-42   | 1,677<br>(2021.)  | Chemistry                                    |
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|     |  |                   | Biochemistry, Genetics and Molecular Biology |
| 37. | Grčić, Ivana; Koprivanac, Natalija; Li Puma, Gianluca. Modeling the photocatalytic oxidation of carboxylic acids on aqueous TiO <sub>2</sub> suspensions and on immobilized TiO <sub>2</sub> -chitosan thin films in different reactor geometries irradiated by UVA or UVC light sources. // <i>Chemical engineering journal</i> . <b>422</b> (2021) ; 130104  | 16,744<br>(2021.) | Engineering                                  |
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|     |  |                   | Chemical Engineering                         |
|     |  |                   | Chemistry                                    |
| 38. | Gretić, Matija; Štanfel, Mateja; Barbarić, Joško; Rimac, Nikola; Matijašić, Gordana. In vitro behavior of dronedarone hydrochloride loaded pellets using vacuum impregnation technique. // <i>European journal of pharmaceuticals and biopharmaceutics</i> . <b>162</b> (2021) ; 70-81   | 5,589<br>(2021.)  | Pharmacology, Toxicology and Pharmaceutics   |
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| 39. | Grgić, Ivana; Čižmek, Ana-Marija; Babić, Sandra; Ljubas, Davor; Rožman, Marko.<br>UV filters as a driver of the antibiotic pollution in different water matrices. // <i>Journal of environmental management</i> . <b>289</b> (2021) ; 112389, 6  | 8,910<br>(2021.)  | Environmental Science                        |
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|     |  |                   | Biochemistry, Genetics and Molecular Biology |
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| 45. | Ivanišević, Ana; Brzović Rajić, Valentina; Pilipović, Ana; Par, Matej; Ivanković, Hrvoje; Baraba, Anja.<br>Compressive strength of conventional glass ionomer cement modified with TiO <sub>2</sub> nano-powder and marine-derived HAp micro-powder. // <i>Materials</i> . <b>14</b> (2021) , 17; 4964, 9  | 3,748<br>(2021.)  | Physics and Astronomy                        |
|     |  |                   | Materials Science                            |
| 46. | Ivanišević, Irena; Milardović, Stjepan; Kassal, Petar.<br>Recent advances in (bio)chemical sensors for food safety and quality based on silver nanomaterials. // <i>Food technology and biotechnology</i> . <b>59</b> (2021) , 2; 216-237  | 2,330<br>(2021.)  | Agricultural and Biological Sciences         |
|     |  |                   | Engineering                                  |
|     |  |                   | Chemical Engineering                         |
|     |  |                   | Biochemistry, Genetics and Molecular Biology |
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| 53. | Jeran, Nina; Grdiša, Martina; Varga, Filip; Satović, Zlatko; Liber, Zlatko; Dabić, Dario; Biošić, Martina.<br>Pyrethrin from Dalmatian pyrethrum ( <i>Tanacetum cinerariifolium</i> /Trevir./Sch. Bip.): biosynthesis, biological activity, methods of extraction and determination. // <i>Phytochemistry reviews</i> . <b>20</b> (2021), 5; 875-905   | 7,741<br>(2021.) | Agricultural and Biological Sciences         |
|     |  |                  | Biochemistry, Genetics and Molecular Biology |
| 54. | Jurinjak Tušek, Ana; Šalić, Anita; Valinger, Davor; Jurina, Tamara; Benković, Maja; Gajdoš Kljusurić, Jasenka; Zelić, Bruno.<br>The power of microsystem technology in the food industry – going small makes it better. // <i>Innovative food science &amp; emerging technologies</i> . <b>68</b> (2021) ; 102613, 18  | 7,104<br>(2021.) | Agricultural and Biological Sciences         |
|     |  |                  | Engineering                                  |
|     |  |                  | Chemistry                                    |
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| 56. | Klačić, Tin; Katić, Jozefina; Namjesnik, Danijel; Jukić, Jasmina; Kovačević, Davor; Begović, Tajana.<br>Adsorption of polyions on flat TiO <sub>2</sub> surface. // <i>Minerals</i> . <b>11</b> (2021) , 11; 1164, 17  | 2,818<br>(2021.) | Earth and Planetary Sciences                 |
| 57. | Kocijan, Martina; Ćurković, Lidija; Ljubas, Davor; Mužina, Katarina; Bačić, Ivana; Radošević, Tina; Podlogar, Matejka; Bdkin, Igor; Otero-Irurueta, Gonzalo; Hortiguera, Maria; Goncalves, Gil.<br>Graphene-based TiO <sub>2</sub> nanocomposite for photocatalytic degradation of dyes in aqueous solution under solar-like radiation. // <i>Applied sciences (Basel)</i> . <b>11</b> (2021) , 9; 3966, 15  | 2,838<br>(2021.) | Engineering                                  |
|     |  |                  | Physics and Astronomy                        |
|     |  |                  | Computer Science                             |
|     |  |                  | Chemical Engineering                         |
|     |  |                  | Materials Science                            |
| 58. | Kojić, Vedran; Boháč, Mario; Bafti, Arijeta; Pavić, Luka; Salamon, Krešimir; Čižmar, Tihana; Gracin, Davor; Juračić, Krunoslav; Leskovic, Mirela; Capan, Ivana; Gajović, Andreja.<br>Formamidinium lead iodide perovskite films with polyvinylpyrrolidone additive for active layer in perovskite solar cells, enhanced stability and electrical conductivity. // <i>Materials</i> . <b>14</b> (2021) , 16; 4594, 18   | 3,748<br>(2021.) | Physics and Astronomy                        |
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| 59. | Kosar, Vanja; Kurt, Filip; Tomašić, Vesna; Zelić, Ivana Elizabeta.<br>Analysis and modelling of photodegradation of neonicotinoid insecticides under the influence of UVA-LED radiation. // <i>Reaction kinetics mechanisms and catalysis</i> . <b>134</b> (2021) , 2; 989-1001  | 1,843<br>(2021.) | Chemistry                                    |
|     |  |                  | Chemical Engineering                         |
| 60. | Kremer, Irma; Tomić, Tihomir; Katančić, Zvonimir; Erceg, Matko; Papuga, Saša; Parlov Vuković, Jelena; Schneider, Daniel Rolph.<br>Catalytic pyrolysis of mechanically non-recyclable waste plastics mixture: Kinetics and pyrolysis in laboratory-scale reactor. // <i>Journal of environmental management</i> . <b>296</b> (2021) , 113145, 11  | 8,910<br>(2021.) | Environmental Science                        |
| 61. | Kremer, Irma; Tomić, Tihomir; Katančić, Zvonimir; Hrnjak-Murgić, Zlata; Erceg, Matko; Schneider, Daniel Rolph.<br>Catalytic decomposition and kinetic study of mixed plastic waste. // <i>Clean technologies and environmental policy</i> . <b>23</b> (2021) , 3; 811-827  | 4,700<br>(2021.) | Business, Management and Accounting          |
|     |  |                  | Economics, Econometrics and Finance          |
|     |  |                  | Environmental Science                        |
| 62. | Kučić Grgić, Dajana; Miloloža, Martina; Lovrinčić, Ema; Kovačević, Antonija; Cvetnić, Matija; Očelić Bulatović, Vesna; Prevarić, Viktorija; Bule, Kristina; Ukić, Šime; Markić, Marinko; Bolanča, Tomislav.<br>Bioremediation of MP-polluted waters using bacteria <i>Bacillus licheniformis</i> , <i>Lysinibacillus massiliensis</i> , and mixed culture of <i>Bacillus sp.</i> and <i>Delftia acidovorans</i> . // <i>Chemical and biochemical engineering quarterly</i> . <b>35</b> (2021) , 2; 205-224 | 1,677<br>(2021.) | Chemistry                                    |
|     |  |                  | Chemical Engineering                         |
|     |  |                  | Biochemistry, Genetics and Molecular Biology |
| 63. | Kurajica, Stanislav; Mali, Gregor; Mandić, Vilko; Simčić, Ivan; Matijašić, Gordana; Mužina, Katarina.<br>Tailoring microstructural, textural and thermal properties of $\gamma$ -alumina by modifying aluminum sec-butoxide with ethyl acetoacetate within a   | 4,383<br>(2021.) | Physics and Astronomy                        |
|     |  |                  | Chemistry                                    |

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|     |   |                | Pharmacology, Toxicology and Pharmaceutics   |
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|     |   |                | Chemical Engineering                         |
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| 92. |   | 4,6<br>(2022.) | Chemistry                                    |



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| 94.  | Pavlešić, Tomislav; Saftić Martinović, Lara; Peršurić, Željka; Maletić, Edi; Žulj Mihaljević, Maja; Stupić, Domagoj; Andabaka, Željko; Grgić, Zoran; Kraljević Pavelić, Sandra.<br>From the autochthonous grape varieties of the Kastav region (Croatia) to the Belica wine. // <i>Food technology and biotechnology</i> , <b>60</b> (2022), 1; 11-20  | 2,4 (2022.)   | Agricultural and Biological Sciences         |
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|      |  |               | Chemical Engineering                         |
|      |  |               | Biochemistry, Genetics and Molecular Biology |
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| 100. | Piletić, Kaća; Kovač, Bruno; Perčić, Marko; Žigon, Jure; Broznić, Dalibor; Karleuša, Ljerka; Lučić Blagojević, Sanja; Oder, Martina; Gobin, Ivana.<br>Disinfecting action of gaseous ozone on OXA-48-producing <i>Klebsiella pneumoniae</i> biofilm in vitro. // <i>International journal of environmental research and public health</i> , <b>19</b> (2022), 10; 6177, 18   | 4,614 (2021.) | Medicine                                     |
|      |  |               | Environmental Science                        |
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|      |  |               | Biochemistry, Genetics and Molecular Biology |
|      |  |               | Chemical Engineering                         |

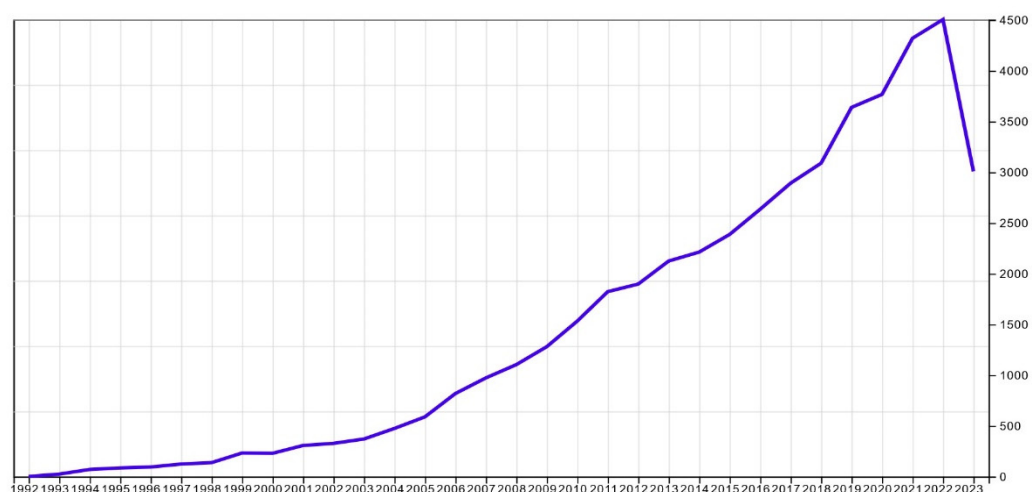
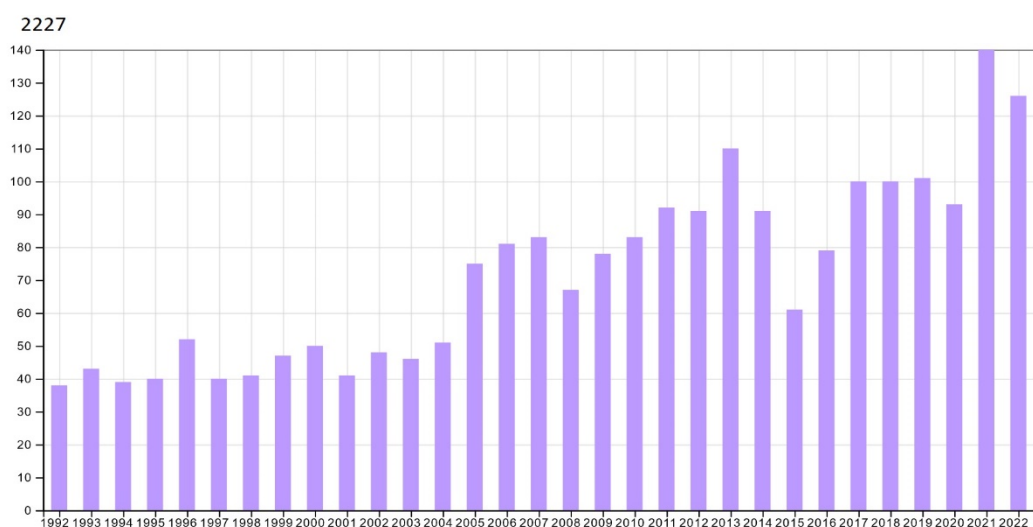
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|      |  |                 | Pharmacology, Toxicology and Pharmaceutics   |
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|      |  |                 | Environmental Science                        |
|      |  |                 | Computer Science                             |
|      |  |                 | Engineering                                  |
|      |  |                 | Energy                                       |
| 107. | Rep, Valentina; Štulić, Rebeka; Koštrun, Sanja; Kuridža, Bojan; Crnolatac, Ivo; Radić Stojković, Marijana; Čipčić Paljetak, Hana; Perić, Mihaela; Matijašić, Mario; Raić-Malić, Silvana.<br>Novel tetrahydropyrimidinyl-substituted benzimidazoles and benzothiazoles: synthesis, antibacterial activity, DNA interactions and ADME profiling. // <i>RSC Medicinal Chemistry</i> , <b>13</b> (2022), 12; 1504-1525 | 4,1<br>(2022.)  | Chemistry                                    |
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|      |  |                 | Biochemistry, Genetics and Molecular Biology |
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| 113. | Ressler, Antonia; Ivanković, Tomislav; Polak, Bruno; Ivanišević, Irena; Kovačić, Marin; Urlič, Inga; Hussainova, Irina; Ivanković, Hrvoje.<br>A multifunctional strontium/silver-co-substituted hydroxyapatite derived from biogenic source as antibacterial biomaterial. // <i>Ceramics international</i> , <b>48</b> (2022), 13; 18361-18373   | 5,2<br>(2022.)  | Physics and Astronomy                        |
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| 118. | Sanchez Tobon, Camilo; Panžić, Ivana; Bafti, Arijeta; Matijašić, Gordana; Ljubas, Davor; Ćurković, Lidija. Rapid microwave-assisted synthesis of N/TiO <sub>2</sub> /rGO nanoparticles for the photocatalytic degradation of pharmaceuticals. // <i>Nanomaterials</i> , <b>12</b> (2022), 22; 3975, 22  | 5,3<br>(2022.) | Chemical Engineering<br>Materials Science   |
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| 120. | Sharifi, Tayebah; Kovačić, Marin; Belec, Monika; Perović, Klara; Popović, Marin; Radić, Gabrijele; Žener, Boštjan; Pulitika, Anamarija; Kraljić Roković, Marijana; Lavrenčić Štanger, Urška; Lončarić Božić, Ana; Kušić, Hrvoje. Effect of functionalized benzene derivatives as potential hole scavengers for BiVO <sub>4</sub> and rGO-BiVO <sub>4</sub> photoelectrocatalytic hydrogen evolution. // <i>Molecules</i> , <b>27</b> (2022), 22; 7806, 17   | 4,6<br>(2022.) | Chemistry<br>Pharmacology, Toxicology and Pharmaceutics<br>Biochemistry, Genetics and Molecular Biology               |
| 121. | Sokač, Tea; Šalić, Anita; Kučić Grgić, Dajana; Šabić Runjavec, Monika; Vidaković, Marijana; Jurinjak Tušek, Ana; Horvat, Đuro; Juras Krnjak, Jasmina; Vuković Domanovac, Marija; Zelić, Bruno. An enhanced composting process with bioaugmentation: Mathematical modelling and process optimization. // <i>Waste management &amp; research</i> , <b>40</b> (2022), 6; 745-753   | 3,9<br>(2022.) | Environmental Science   |
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| 144. | Zeljko, Martina; Očelić Bulatović, Vesna; Blažić, Roko; Lučić Blagojević, Sanja. The development of eco-friendly UV-protective polyacrylate/rutile TiO <sub>2</sub> coating. // <i>Journal of applied polymer science</i> , <b>139</b> (2022), 25; e52393, 13   | 3,0 (2022.) | Materials Science                            |
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|      |   |             | Chemistry                                    |
| 147. | Žerjav, Gregor; Žižek, Krunoslav; Zavašnik, Janez; Pintar, Albin. Brookite vs. rutile vs. anatase: What's behind their various photocatalytic activities? // <i>Journal of environmental chemical engineering</i> , <b>10</b> (2022), 3; 107722, 18   | 7,7 (2022.) | Chemical Engineering                         |
|      |   |             | Environmental Science                        |
| 148. | Žužić, Andreja; Car, Filip; Macan, Jelena; Tomašić, Vesna; Gajović, Andreja. Simultaneous oxidation of aromatic compounds using Sr-doped lanthanum manganites as catalysts. // <i>International journal of applied ceramic technology</i> , <b>19</b> (2022), 5; 2891-2904  | 2,1 (2022.) | Physics and Astronomy                        |
|      |   |             | Materials Science                            |
|      |   |             | Business, Management and Accounting          |
| 149. | Žužić, Andreja; Filipan, Veljko; Sutlović, Igor; Macan, Jelena. Perovskite oxides for energy applications. // <i>Tehnički vjesnik</i> , <b>29</b> (2022), 4; 1419-1425  | 0,9 (2022.) | Engineering                                  |

|      |  |                |                       |
|------|--|----------------|-----------------------|
| 150. | Žužić, Andreja; Ressler, Antonia; Macan, Jelena.<br>Perovskite oxides as active materials in novel alternatives to well-known technologies: A review. // <i>Ceramics international</i> , <b>48</b> (2022), 19, Part A; 27240–27261   | 5,2<br>(2022.) | Physics and Astronomy |
|      |  |                | Materials Science     |
| 151. | Žužić, Andreja; Ressler, Antonia; Macan, Jelena.<br>Evaluation of carbonate precursors in manganite coprecipitation synthesis by Fourier transform infrared (FTIR) spectroscopy. // <i>Solid state communications</i> , <b>341</b> (2022), 114594, 9                                 | 2,1<br>(2022.) | Chemistry             |
|      |  |                | Physics and Astronomy |
|      |  |                | Materials Science     |
| 152. | Žužić, Andreja; Ressler, Antonia; Šantić, Ana; Macan, Jelena; Gajović, Andreja.<br>The effect of synthesis method on oxygen nonstoichiometry and electrical conductivity of Sr-doped lanthanum manganites. // <i>Journal of alloys and compounds</i> , <b>907</b> (2022), 164456, 10 | 6,2<br>(2022.) | Engineering           |
|      |  |                | Materials Science     |



Slika 5.1. Broj objavljenih radova i njihova citiranost za razdoblje 1992. – 2022. prema bazi Web of Science Core Collection

Tablica 5.14. 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                      | 57*   | SCOPUS bez Web of Science: 26**  | Web of Science: 639**  |
| Inženjerska kemija                         |   |  |  |
| Kemijsko inženjerstvo i primjenjena 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 5.15. Popis radova mentora u bazi podataka WoSCC u razdoblju 1.1.2018. – 31.12.2022. (za tablicu 5.14.)

| R. br. | Referenca rada indeksiranog u bazi podataka <i>Web of Science Core Collection (WoSCC)</i>   | IF               | STUDIJI |
|--------|---|------------------|---------|
| 1.     | Assarian, Arezoo; Martinez, Sanja.<br>Improving polyaspartic anti-corrosion coating protective properties with the use of nano-silica. // <i>Acta chimica Slovenica</i> . <b>65</b> (2018) , 3; 569-577   | 1,076<br>(2018.) | KIP, IK |
| 2.     | Babić, Sandra; Biošić, Martina; Škorić, Irena.<br>Transformation products of pharmaceuticals in the environment: formation and analysis. // <i>Current organic chemistry</i> . <b>22</b> (2018) , 10; 987-1004  | 2,029<br>(2018.) | KIP     |
| 3.     | Babić, Sandra; Mutavdžić Pavlović, Dragana; Biošić, Martina; Ašperger, Danijela; Škorić, Irena; Runje, Mislav.<br>Fate of febantel in the aquatic environment - the role of abiotic elimination processes. // <i>Environmental science and pollution research</i> . <b>25</b> (2018) ; 28917-28927  | 2,914<br>(2018.) | KIP, IK |
| 4.     | Beneta, Antonija; Mutavdžić Pavlović, Dragana; Periša, Ivan; Petrović, Mira.<br>Multiresidue GC-MS/MS pesticide analysis for evaluation of tea and herbal infusion safety. // <i>International journal of environmental analytical chemistry</i> . <b>98</b> (2018) , 11; 987-1004  | 1,267<br>(2018.) | KIP, IK |
| 5.     | Beus, Maja; Rajić, Zrinka; Maysinger, Dušica; Mlinarić, Zvonimir; Antunović, Maja; Marijanović, Inga; Fontinha, Diana; Prudêncio, Miguel; Held, Jana; Olgen, Sureyya; Zorc; Branka.<br>SAHAquines, novel hybrids based on SAHA and primaquine motifs, as potential cytostatic and antiplasmodial agents. // <i>ChemistryOpen</i> . <b>7</b> (2018) ; 624-638  | 2,205<br>(2018.) | KIP     |
| 6.     | Bistrović, Andrea; Grbčić, Petra; Harej, Anja; Sedić, Mirela; Kraljević Pavelić, Sandra; Koštrun, Sanja; Plavec, Janez; Makuc, Damjan; Raić-Malić, Silvana.<br>Small molecule purine and pseudopurine derivatives: synthesis, cytostatic evaluations and investigation of growth inhibitory effect in non-small cell lung cancer A549. // <i>Journal of enzyme inhibition and medicinal chemistry</i> . <b>33</b> (2018) , 1; 271-285 | 4,027<br>(2018.) | KIP, IK |
| 7.     | Bistrović, Andrea; Krstulović, Luka; Harej, Anja; Grbčić, Petra; Sedić, Mirela; Koštrun, Sanja; Kraljević Pavelić, Sandra; Bajić, Miroslav; Raić-Malić, Silvana.<br>Design, synthesis and biological evaluation of novel benzimidazole amidines as potent multi-target inhibitors for the treatment of non-small cell lung cancer. // <i>European journal of medicinal chemistry</i> . <b>143</b> (2018) ; 1616-1634                  | 4,833<br>(2018.) | KIP, IK |
| 8.     | Bistrović, Andrea; Krstulović, Luka; Stolić, Ivana; Drenjančević, Domagoj; Talapko, Jasminka; Taylor, Martin; Kelly, John; Bajić, Miroslav; Raić-Malić, Silvana.<br>Synthesis, anti-bacterial and anti-protozoal activities of amidinobenzimidazole derivatives and their interactions with DNA and RNA. // <i>Journal of enzyme inhibition and medicinal chemistry</i> . <b>33</b> (2018) , 1; 1323-1334                             | 4,027<br>(2018.) | KIP, IK |
| 9.     | Bousiakou, Leda Georgia; Ivanda, Mile; Mikac, Lara; Raptis, Dimitris; Gotic, Marijan; Lianos, Panagiotis; Jurschat, Kerstin; Johnston, Colin.<br>Structural, morphological and Raman studies of CdS/CdSe sensitized TiO <sub>2</sub> nanocrystalline thin films for quantum dot sensitized solar cell applications. // <i>Current nanoscience</i> , <b>14</b> (2018), 421-431   | 1,856<br>(2018.) | KIP     |
| 10.    | Bralić, Marija; Prkić, Ante; Radić, Josip; Pleslić, Ivana.<br>Preparation of phosphate ion-selective membrane based on silver salts mixed with PTFE or carbon nanotubes. // <i>International journal of electrochemical science</i> . <b>13</b> (2018), 2; 1390-1399  | 1,284<br>(2018.) | KIP     |

|     |   |                  |         |
|-----|---|------------------|---------|
| 11. | Brodar, Tomislav; Capan, Ivana; Radulovic, Vladimir; Snoj, Luka; Pastuović, Željko; Coutinho, Jose; Ohshima, Takeshi.<br>Laplace DLTS study of deep defects created in neutron-irradiated n-type 4H-SiC. // <i>Nuclear instruments &amp; methods in physics research. Section B, Beam interactions with materials and atoms</i> . 437 (2018), 1; 27-31  | 1,210<br>(2018.) | KIP     |
| 12. | Budžaki, Sandra; Strelec, Ivica; Krnić, Mija; Alilović, Kristina; Tišma, Marina; Zelić, Bruno.<br>Proximate analysis of cold-press oil cakes after biological treatment with <i>Trametes versicolor</i> and <i>Humicola grisea</i> . // <i>Engineering in life sciences</i> . 18 (2018), 12; 924-931  | 1,936<br>(2018.) | KIP     |
| 13. | Buljan Meić, Iva; Kontrec, Jasminka; Domazet Jurašin, Darija; Selmani, Atiđa; Njegić Džakula, Branka; Maltar-Strmečki, Nadica; Lyons, Daniel Mark; Plodinec, Milivoj; Čeh, Miran; Gajović, Andreja; Dutour Sikirić Maja; Kralj, Damir.<br>How similar are amorphous calcium carbonate and calcium phosphate? A comparative study of amorphous phases formation conditions. // <i>Crystengcomm</i> , 20 (2018), 1; 35-50 | 3,382<br>(2018.) | KIP     |
| 14. | Capan, Ivana; Brodar, Tomislav; Coutinho, Jose; Ohshima, Takeshi; Markevich, Vladimir; Peaker, Anthony.<br>Acceptor levels of the carbon vacancy in 4H-SiC: Combining Laplace deep level transient spectroscopy with density functional modeling. // <i>Journal of applied physics</i> . 124 (2018), 24; 245701, 10   | 2,328<br>(2018.) | KIP     |
| 15. | Capan, Ivana; Brodar, Tomislav; Pastuović, Željko; Ohshima, Takeshi; Snoj, Luka; Radulović, Vladimir; Coutinho, Jose; Demouche, Kamel.<br>Double negatively charged carbon vacancy at the h- and k-sites in 4H-SiC: Combined Laplace-DLTS and DFT study. // <i>Journal of applied physics</i> . 123 (2018), 16; 161597, 37  | 2,328<br>(2018.) | KIP     |
| 16. | Čindrić, Ines; Grčić, Ivana; Koprivanac, Natalija.<br>The sensitization effect of waste toner powder in the photocatalytic degradation of surfactant sodium dodecylbenzene sulfonate over immobilized TiO <sub>2</sub> -chitosan layer under UVC and solar irradiation. // <i>Reaction kinetics mechanisms and catalysis</i> . 124 (2018), 2; 905-930   | 1,428<br>(2018.) | IK      |
| 17. | Čizmić, Mirta; Ljubas, Davor; Škorić, Irena; Rožman, Marko; Ašperger, Danijela; Čurković, Lidija; Petrović, Mira; Babić, Sandra.<br>Photolytic and photocatalytic degradation of febantel in aqueous media. // <i>Desalination and water treatment</i> . 104 (2018); 294-303  | 1,234<br>(2018.) | KIP, IK |
| 18. | Čurković, Lidija; Ašperger, Danijela; Babić, Sandra; Župan, Josip.<br>Adsorption of enrofloxacin onto natural zeolite: Kinetics, thermodynamics, isotherms and error analysis. // <i>Indian journal of chemical technology</i> . 25 (2018), 6; 565-571  | 0,614<br>(2018.) | KIP, IK |
| 19. | Dejanović, Igor; Halvorsen, Ivar J.; Jansen, Helmut; Olujić, Žarko.<br>Hydraulic design of thermally coupled columns and a DWC for NGL fractionation plants. // <i>Chemical and biochemical engineering quarterly</i> . 32 (2018), 4; 391-400   | 0,859<br>(2018.) | KIP, KI |
| 20. | Duplančić, Marina; Tomašić, Vesna; Gomzi, Zoran.<br>Catalytic oxidation of toluene: comparative study over powder and monolithic manganese-nickel mixed oxide catalysts. // <i>Environmental technology</i> . 39 (2018), 15; 2004-2016  | 1,918<br>(2018.) | KIP, KI |
| 21. | Đokić, Maja; Bilandžić, Nina; Sedak, Marija; Đuras, Martina; Gomerčić, Tomislav; Benić, Miroslav; Bolanča, Tomislav.<br>Manganese concentrations in tissues and skin of three dolphin species stranded in the Croatian waters of the Adriatic Sea from 1995 to 2013. // <i>Bulletin of environmental contamination and toxicology</i> . 100 (2018); 317-323   | 1,650<br>(2018.) | KIP     |
| 22. | Franjo, Mladen; Šalić, Anita; Zelić, Bruno.<br>Microstructured devices for biodiesel production by transesterification. // <i>Biomass conversion and biorefinery</i> . 8 (2018), 4; 1005-1020   | 2,326<br>(2018.) | KIP     |
| 23. | Giacometti, Jasminka; Milin, Čedomila; Giacometti, Fabio; Ciganj, Zlatko.<br>Characterisation of monovarietal olive oils obtained from Croatian cvs. Drobnica and Buza during the ripening period. // <i>Foods</i> . 7 (2018), 11; 188, 16  | 3,011<br>(2018.) | IK      |
| 24. | Galir Balkić, Anita; Ternjej, Ivančica; Bogut, Irela.<br>Impact of habitat heterogeneity on zooplankton assembly in a temperate river-floodplain system. // <i>Environmental monitoring and assessment</i> . 190 (2018), 190; 143, 13   | 1,959<br>(2018.) | KIP     |
| 25. | Gebavi, Hrvoje; Ristić, Davor; Baran, Nikola; Mikac, Lara; Mohaček-Grošev, Vlasta; Gotić, Marijan; Šikić, Mile; Ivanda, Mile.<br>Horizontal silicon nanowires for surface-enhanced Raman spectroscopy. // <i>Materials research express</i> , 5 (2018), 1; 015015, 8  | 1,449<br>(2018.) | KIP     |
| 26. | Gilja, Vanja; Kratofil Krehula, Ljerka; Katančić, Zvonimir; Krehula, Stjepko; Hrnjak-Murgić, Zlata; Travaš-Sejdić, Jadranka.<br>Influence of titanium dioxide preparation method on photocatalytic degradation of organic dyes. // <i>Croatica chemica acta</i> . 91 (2018), 3; 323-334   | 0,731<br>(2018.) | KIP     |



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|-----|---|------------------|---------|
| 27. | Gilja, Vanja; Vrban, Ivan; Mandić, Vilko; Žic, Mark; Hrnjak-Murgič, Zlata.<br>Preparation of a PANI/ZnO composite for efficient photocatalytic degradation of acid blue. // <i>Polymers</i> . <b>10</b> (2018) , 9; 940-1-940-17  | 3,164<br>(2018.) | KIP     |
| 28. | Grahek, Željko; Dulanská, Silvia; Karanović, Gorana; Coha, Ivana; Tucaković, Ivana; Nodilo, Marijana; Mátel, Lubomír.<br>Comparison of different methodologies for the <sup>90</sup> Sr determination in environmental samples. // <i>Journal of environmental radioactivity</i> . <b>181</b> (2018) ; 18-31  | 2,179<br>(2018.) | IK      |
| 29. | Grčić, Ivana; Koprivanac, Natalija<br>Photocatalytic oxidation of azo dyes and oxalic acid in batch reactors and CSTR: introduction of photon absorption by dyes to kinetic models. // <i>Chemical and biochemical engineering quarterly</i> . <b>32</b> (2018) , 1; 71-81  | 0,859<br>(2018.) | IK      |
| 30. | Grčić, Ivana; Papić, Sanja; Brnardić, Ivan.<br>Photocatalytic activity of TiO <sub>2</sub> thin films: kinetic and efficiency study. // <i>International journal of chemical reactor engineering</i> . <b>16</b> (2018) , 1; 20160153-1-20160153-19   | 1,059<br>(2018.) | KI      |
| 31. | Grudić, Veselinka; Bošković, Ivana; Martinez, Sanja; Knežević, Bojana.<br>Corrosion inhibition mild steel in NaCl solution in the presence of propolis extract. // <i>Macedonian journal of chemistry and chemical engineering</i> . <b>37</b> (2018) , 2; 203-213  | 0,644<br>(2018.) | KIP, IK |
| 32. | Hanžić, Nikolina; Horvat, Anđela; Bibić, Juraj; Unfried, Klaus; Jurkin, Tanja; Dražić, Goran; Marijanović, Inga; Slade, Neda; Gotić, Marijan.<br>Syntheses of gold nanoparticles and their impact on the cell cycle in breast cancer cells subjected to megavoltage X-ray irradiation. // <i>Materials science &amp; engineering. C, Biomimetic materials, sensors and systems</i> . <b>91</b> (2018) ; 486-495   | 4,959<br>(2018.) | KIP     |
| 33. | Horak, Ema; Kassal, Petar; Hranjec, Marijana; Steinberg Ivana.<br>Benzimidazole functionalised Schiff bases: novel pH sensitive fluorescence turn-on chromoionophores for ion-selective optodes. // <i>Sensors and actuators. B, Chemical</i> . <b>258</b> (2018) ; 415-423   | 6,393<br>(2018.) | KIP     |
| 34. | Horak, Ema; Kassal, Petar; Murković Steinberg, Ivana.<br>Benzimidazole as a structural unit in fluorescent chemical sensors: the hidden properties of a multifunctional heterocyclic scaffold. // <i>Supramolecular chemistry</i> . <b>30</b> (2018) , 10; 838-857  | 1,660<br>(2018.) | KIP     |
| 35. | Ilić Pajić, Jovana M.; Stijepović, Mirko Z.; Ivaniš, Gorica R.; Radović, Ivona R.; Stajić-Trošić, Jasna T.; Kijevčanin, Mirjana Lj.<br>Modelling of pure components high pressures densities using CK-SAFT and PC-SAFT equations. // <i>Journal of the Serbian chemical society</i> . <b>83</b> (2018) , 3; 331-343   | 0,828<br>(2018.) | KI      |
| 36. | Ivanišević, Irena; Rukavina, Vanja; Kassal, Petar; Milardović, Stjepan.<br>Impact of weak organic acids on precipitation of poly(acrylic acid) stabilized silver nanoparticles; an electrochemical approach. // <i>Croatica chemica acta</i> . <b>91</b> (2018) , 4; 491-499  | 0,731<br>(2018.) | KIP     |
| 37. | Jakopović, Željko; Hanousek Čiča, Karla; Mrvčić, Jasna; Pucić, Irina; Čanak, Iva; Frece, Jadranka; Pleadin, Jelka; Stanzer, Damir; Zjalić, Slaven; Markov, Ksenija.<br>Properties and fermentation activity of industrial yeasts <i>Saccharomyces cerevisiae</i> , <i>S. uvarum</i> , <i>Candida utilis</i> , and <i>Kluyveromyces marxianus</i> exposed to AFBI, OTA, and ZEA. // <i>Food technology and biotechnology</i> . <b>56</b> (2018) , 2; 208-217 | 1,517<br>(2018.) | KIP     |
| 38. | Jakovljević, Ivana; Pehnc, Gordana; Vadić, Vladimira; Čačković, Mirjana; Tomašić, Vesna; Doko-Jelinić, Jagoda.<br>Polycyclic aromatic hydrocarbons in PM <sub>10</sub> , PM <sub>2.5</sub> and PM <sub>1</sub> particle fractions in an urban area. // <i>Air quality atmosphere and health</i> . <b>11</b> (2018) ; 843-854  | 2,297<br>(2018.) | KIP, KI |
| 39. | Jokić, Stela; Molnar, Maja; Jakovljević, Martina; Aladić, Krunoslav; Jerković, Igor.<br>Optimization of supercritical CO <sub>2</sub> extraction of <i>Salvia officinalis</i> L. leaves targeted on oxygenated monoterpenes, α-humulene, viridiflorol and manool. // <i>Journal of supercritical fluids</i> , <b>133</b> (2018), 1; 253-262   | 3,481<br>(2018.) | KIP     |
| 40. | Karadeniz, Bahar; Howarth, Ashlee J.; Stolar, Tomislav; Islamoglu, Timur; Dejanović, Igor; Tireli, Martina; Wasson, Megan C.; Moon, Su-Young; Farha, Omar K.; Friščić, Tomislav; Užarević, Krunoslav.<br>Benign by design: green and scalable synthesis of zirconium UiO-metal-organic frameworks by water-assisted mechanochemistry. // <i>ACS sustainable chemistry &amp; engineering</i> . <b>6</b> (2018) , 11; 15841-15849                             | 6,970<br>(2018.) | KIP, KI |
| 41. | Kassal, Petar; Horak, Ema; Sigurnjak, Marija; Steinberg, Matthew D.; Steinberg, Ivana.<br>Wireless and mobile optical chemical sensors and biosensors. // <i>Reviews in analytical chemistry</i> . <b>37</b> (2018) , 4; 20170024-1-20170024-27   | 2,875<br>(2018.) | KIP     |
| 42. | Kassal, Petar; Steinberg, Matthew D.; Horak, Ema; Murković Steinberg, Ivana.<br>Wireless fluorimeter for mobile and low cost chemical sensing: a paper based chloride assay. // <i>Sensors and actuators. B, Chemical</i> . <b>275</b> (2018) ; 230-236   | 6,393<br>(2018.) | KIP     |
| 43. | Kassal, Petar; Steinberg, Matthew D.; Murković Steinberg, Ivana.<br>Wireless chemical sensors and biosensors: a review. // <i>Sensors and actuators. B, Chemical</i> . <b>266</b> (2018) ; 228-245  | 6,393<br>(2018.) | KIP     |

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|-----|--|------------------|---------|
| 44. | Kassotaki, Elisavet; Pijuan, Maite; Joss, Adriano; Borrego, Carles M.; Rodriguez-Roda, Ignasi; Buttiglieri, Gianluigi.<br>Unraveling the potential of a combined nitrification-anammox biomass towards the biodegradation of pharmaceutically active compounds. // <i>Science of the total environment</i> , <b>624</b> (2018), 722-731    | 5,589<br>(2018.) | KIP     |
| 45. | Katančić, Zvonimir; Gavran, Iva; Smolković, Josipa; Hrnjak-Murđić, Zlata.<br>Fly ash supported photocatalytic nanocomposite poly(3,4-ethylenedioxythiophene)/TiO <sub>2</sub> for azo dye removal under simulated solar irradiation. // <i>Journal of applied polymer science</i> . <b>135</b> (2018) ; 46316-1-46316-12                   | 2,188<br>(2018.) | KIP     |
| 46. | Katić, Visnja; Ivanković Buljan, Zorana; Špalj, Stjepan; Otmačić Čurković, Helena.<br>Corrosion behavior of coated and uncoated nickel-titanium orthodontic wires in artificial saliva with short-term prophylactic fluoride treatment. // <i>International journal of electrochemical science</i> . <b>13</b> (2018) , 5; 4160-4170       | 1,284<br>(2018.) | KIP     |
| 47. | Kavkler, Katja; Pucić, Irina; Zalar, Polona; Demšar, Andrej; Mihaljević, Branka.<br>Is it safe to irradiate historic silk textile against fungi? // <i>Radiation physics and chemistry</i> . <b>150</b> (2018) , 9; 101-110  | 1,984<br>(2018.) | KIP     |
| 48. | Kopitar, Dragana; Skenderi, Zenun; Matijašić, Gordana.<br>Influence of nonwoven fabric pore sizes on water vapor resistance. // <i>Textile research journal</i> . <b>88</b> (2018) , 12; 1402-1412   | 1,613<br>(2018.) | KIP, KI |
| 49. | Kordić, Šimo; Matijašić, Gordana; Gretić, Matija.<br>Prediction of particle size distribution of dronedarone hydrochloride in spiral jet mill using design of experiments. // <i>Chemical engineering communications</i> . <b>205</b> (2018) , 2; 197-206  | 1,431<br>(2018.) | KIP, KI |
| 50. | Kovačić, Marin; Katić, Jozefina; Kušić, Hrvoje; Lončarić Božić, Ana; Metikoš Huković, Mirjana.<br>Elucidating the photocatalytic behavior of TiO <sub>2</sub> -SnS <sub>2</sub> composites based on their energy band structure. // <i>Materials</i> . <b>11</b> (2018) , 6; 1041-1-1041-19  | 2,972<br>(2018.) | KIP, KI |
| 51. | Kovačić, Marin; Kopčić, Nina; Kušić, Hrvoje; Lončarić Božić, Ana.<br>Solar driven degradation of 17β-estradiol using composite photocatalytic materials and artificial irradiation source: Influence of process and water matrix parameters. // <i>Journal of photochemistry and photobiology A: Chemistry</i> . <b>361</b> (2018) ; 48-61 | 3,261<br>(2018.) | KIP, KI |
| 52. | Kovačić, Marin; Kopčić, Nina; Kušić, Hrvoje; Štangar, Urška Lavrenčić; Dionysiou, Dionysios D.; Lončarić Božić, Ana.<br>Reactivation and reuse of TiO <sub>2</sub> -SnS <sub>2</sub> composite catalyst for solar-driven water treatment. // <i>Environmental science and pollution research</i> . <b>25</b> (2018) , 3; 2538-2551         | 2,914<br>(2018.) | KIP, KI |
| 53. | Kristan Mioč, Ekatarina; Hajdari Gretić, Zana; Otmačić Čurković, Helena.<br>Modification of cupronickel alloy surface with octadecylphosphonic acid self-assembled films for improved corrosion resistance. // <i>Corrosion science</i> . <b>134</b> (2018) ; 189-198  | 6,355<br>(2018.) | KIP     |
| 54. | Krstulović, Nikša; Salamon, Krešimir; Budimlija, Ognjen; Kovač, Janez; Dasović, Jasna; Umek, Polona; Capan, Ivana.<br>Parameters optimization for synthesis of Al- doped ZnO nanoparticles by laser ablation in water. // <i>Applied surface science</i> . <b>440</b> (2018) ; 916-925   | 5,155<br>(2018.) | KIP     |
| 55. | Kurajica, Stanislav; Macan, Jelena; Mandić, Vilko; Galjer, Matija; Mužina, Katarina; Plaisier, Jasper Rikkert.<br>Reinforcing blade-cast photocatalytic-titania thin film by titanate nanotubes. // <i>Materials research bulletin</i> . <b>105</b> (2018) ; 142-148   | 3,355<br>(2018.) | KIP     |
| 56. | Kurajica, Stanislav; Mandić, Vilko; Tomašić, Vesna; Duplančić, Marina; Matijašić, Gordana; Mužina, Katarina.<br>Catalytic activity and related properties of sol-gel-derived manganese-doped gahnite. // <i>Journal of nanoparticle research</i> . <b>20</b> (2018) ; 178-1-178-12   | 2,009<br>(2018.) | KIP, KI |
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| 612. | Stanić, Denis; Kojić, Vedran; Bohač, Mario; Čižmar, Tihana; Juraić, Krunoslav; Rath, Thomas; Gajović, Andreja.<br>Simulation and optimization of FAPbI <sub>3</sub> perovskite solar cells with a BaTiO <sub>3</sub> layer for efficiency enhancement. // <i>Materials</i> , <b>15</b> (2022), 20; 7310-7324  | 3,4<br>(2022.) | KIP     |
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| 636. | Zhu, Dapeng; Hu, Chenglong; Zhao, Rongzhi; Tan, Xiangyang; Li, Yixing; Mandić, Vilko; Shi, Zhen; Zhang, Xuefeng.<br>Fabrication of cerium oxide films with thickness and hydrophobicity gradients. // <i>Surface &amp; coatings technology</i> , <b>430</b> (2022), 127985, 8  | 5,4<br>(2022.) | KIP     |
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Tablica 5.16. Popis radova mentora u bazi podataka Scopus, bez baze podataka WoSCC u razdoblju 1.1.2018. – 31.12.2022. (za tablicu 5.14.)

| R. br. | Referenca rada indeksiranog u bazi podataka Scopus  | IF | STUDIJI |
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| 8.  | Kristan Mioč, Ekatarina; Otmačić Čurković, Helena. Protective films of stearic and octadecylphosphonic acid formed by spray coating. // <i>Journal of electrochemical science and engineering</i> . <b>10</b> (2020) , 2; 161-175   | - | KIP     |
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