

**Табела 6.4.** Списак SCI/CCCI-индексираних радова (**M20**) по годинама за претходни трогодишњи период (**од 2016 - 2019**).

**2016**

P.Б.	Радови (на СЦИ/ ССЦИ листи) у научним часописима са званичне листе ресорног министарства за науку у сладу са захтевима допунских стандарда за дато поље (аутори, назив рада, часопис, волумен година, стране од-до – попунити према примеру датом у табели)	M (IF)
1.	I. Deljanin, D. Antanasijević, A. Bjelajac, M. Aničić Urošević, M. Nikolić, A. Perić-Grujić, M. Ristić, Chemometrics in biomonitoring: distribution and correlation of trace elements in tree leaves, <i>Science of the Total Environment</i> , 545 (2016) 361-371	M21a (4,099)
2.	D.M. Crnković, D.Z. Antanasijević, V.V. Pocajt, A. A. Perić-Grujić, D. Antonović, M.Đ. Ristić, Unsupervised classification and multi-criteria decision analysis as chemometric tools for the assessment of sediment quality: A case study of the Danube and Sava River, <i>Catena</i> , 144 (2016) 11-22	M21a (3,191)
3.	M.M. Abudabbus, I.Lj. Jevremović, A.D. Janković, A.A. Perić-Grujić, I.Z. Matić, M.S. Vučašinović-Sekulić, H.David, R. K.Yop, V.B. Mišković-Stanković, Biological activity of electrochemically synthesized silver doped polyvinyl alcohol/graphene composite hydrogel discs for biomedical applications, <i>Composites: Part B: Engineering</i> , 104(2016) 26-34	M21a (4,727)
4.	L.J. Stamenković, D.Z. Antanasijević, M.Đ. Ristić, A.A. Perić-Grujić, V.V. Pocajt, Estimation of NMVOC emissions using artificial neural networks and economical and sustainability indicators as inputs, <i>Environmental Science and Pollution Research</i> 23 (2016) 10753-10762	M21 (2,828)
5.	A.N. Šiljić Tomić, D.Z. Antanasijević, M.Đ. Ristić, A.A. Perić-Grujić, V.V. Pocajt, Modeling the BOD of Danube River in Serbia using spatial, temporal and input variable optimized artificial neural network models, <i>Environmental Monitoring and Assessment</i> 188 (2016) 300 (1-12)	M22 (1,678)
6.	Z.J. Bajić, Z.S. Veličković, V.R. Djokić, A.A. Perić-Grujić, E. Ovidiu, P.S. Uskoković, A.D. Marinković, Adsorption Study of Arsenic Removal by Novel Hybrid Copper Impregnated Tufa Adsorbents in a Batch System, <i>Clean-Soil Air Water</i> 44 (2016) 1477-1488	M22 (1,945)
7.	F.M. Veljković, A.A. Perić-Grujić, S.R. Veličković, Mass Spectrometric Production of Heterogeneous Metal Clusters Using Knudsen Cell, <i>Hemisra industrija</i> 70 (2016) 629-637	M23 (0,459)
8.	A. Nastasović, B. Ekmešić, Z. Sandić, D. Randelović, M. Mozetic, A. Vesel, A. Onjia, Mechanism of Cu(II), Cd(II) and Pb(II) ions sorption from aqueous solutions by macroporous poly(glycidyl methacrylate-co-ethylene glycol dimethacrylate), <i>Applied Surface Science</i> , 385 (2016) 605-615.	M21a (3,150)
9.	Milan Momčilović, Marjan Randelović, Milovan Purenović, Jelena Djordjević, Antonije Onjia, Branko Matović, Morpho-structural, adsorption and electrochemical characteristics of serpentine, <i>Separation and Purification Technology</i> , 163 (2016) 72-78.	M21 (3,299)
10.	Aleksandra Nešić, Antonije Onjia, Sanja Ostojic, Darko Micic, Sava Velicković, Dusan Antonović, Novel biosensor films based on chitosan, <i>Materials Letters</i> , 167 (2016) 47-49.	M21 (2,437)
11.	Ljiljana Janković-Mandic, Maja Đolić, Dragana Marković, Dragana Todorović, Antonije Onjia, Snezana Dragović, Natural radionuclides in cigarette tobacco from Serbian market and effective dose estimate from smoke inhalation, <i>Radiation</i>	M22 (0,894)

	Protection Dosimetry, 168(1) (2016) 111-115.	
12.	Aleksandra Nesić, Vladimir Panić, Sanja Ostojic, Antonije Onjia, Sava Velicković, Physical-chemical behavior of novel copolymers composed of methacrylic acid and 2-acrylamido-2-methylpropane sulfonic acid, Materials Chemistry and Physics, 174 (2016) 156-163.	M22 (2,101)
13.	Jelena Marković, Mihajlo Jović, Ivana Smičiklas, Lato Pezo, Marija Šljivić-Ivanović, Antonije Onjia, Aleksandar Popović, Chemical speciation of metals in unpolluted soils of different types: Correlation with soil characteristics and an ANN modelling approach, Journal of Geochemical Exploration, 165 (2016) 71-80.	M22 (2,149)
14.	Aleksandra Nesić, Maja Kokunesoski, Sladjana Meseldzija, Tatjana Volkov-Husović, Sava Velicković, Antonije Onjia, Evaluation of Dye Adsorption Onto SBA-15 Using Image Analysis, CLEAN - Soil Air Water, 44(10) (2016) 1323-1328.	M22 (1,716)
15.	Khaled Taleb, Jasmina Markovski, Kiril D. Hristovski, Vladana N. Rajaković-Ognjanović, Antonije Onjia, Aleksandar Marinković, Aminated glycidyl methacrylates as a support media for goethite nanoparticle enabled hybrid sorbents for arsenic removal: From copolymer synthesis to full-scale system modeling, Resource-Efficient Technologies, 2(1) (2016), 15-22	M23
16.	Katarina Antic, Marija Babic, Jovana Vuković, Antonije Onjia, Jovanka Filipović, Simonida Tomic, Removal of Pb <sup>2+</sup> from aqueous solution by P(HEA/IA) hydrogels, Hemıjska Industrija, 70(6) (2016) 695-705	M23 (0,566)
17.	Danijela Maksin, Aleksandra Nastasović, Tatjana Maksin, Bojana Ekmešić, Antonije Onjia, Cu(II) immobilization onto a one-step synthesized poly(4-vinylpyridine-co-ethylene glycol dimethacrylate) resin: Kinetics and XPS analysis, Hemıjska Industrija, 70(1) (2016) 9-19	M23 (0,566)
18.	Tanja Tomković, Filip Radovanović, Branimir Grgur, Aleksandra Nastasović, Dana Vasiljević-Radović, Antonije Onjia, Novel negatively charged membrane adsorbers made using a combination of photopolymerization and immersion precipitation, Journal of the Serbian Chemical Society, 81(4) (2016) 419-431	M23 (0,828)
19.	Žaklina Todorović, Ljubinka Rajaković, Antonije Onjia, Interpretative optimization of the isocratic ion chromatographic separation of anions, Journal of the Serbian Chemical Society, 81(6) (2016) 661-672	M23 (0,828)
20.	Katarina Trivunac, Ljiljana M. Kljajević, Snežana Nenadović, Jelena Gulicovski, Miljana Mirković, Biljana Babić, Slavica Stevanović, Microstructural Characterization and Adsorption Properties of Alkali-Activated Materials Based on Metakaolin, Science of Sintering, 48 (2016) 209-220	M22 (0,736)
21.	Marija Petrović, Tatjana Šoštarić, Mirjana Stojanović, Jelena Petrović, Časlav Lačnjevac, Katarina Trivunac, Slavka Stanković Karakterizacija i primena oklaska kukuruza za biosorpciju Pb <sup>2+</sup> , Cu <sup>2+</sup> i Zn <sup>2+</sup> jona iz vodenog rastvora, Zaštita materijala 57 (2016) 480 – 487	M24
22.	Nemanja Barać, Sandra Škrivanj, Zoran Bukumirić, Dragana Živojinović, Dragan Manojlović, Milan Barać, Rada Petrović, Aleksandar Ćorac, Distribution and mobility of heavy elements in floodplain agricultural soils along the Ibar River (Southern Serbia and Northern Kosovo). Chemometric investigation of pollutant sources and ecological risk assessment, Environ Sci Pollut Res 23(9) (2016) 9000-9011	M21 (2,760)
23.	Nemanja Barać, Sandra Škrivanj, Jelena Mutić, Dragan Manojlović, Zoran Bukumirić, Dragana Živojinović, Rada Petrović, Aleksandar Ćorac, Heavy Metals Fractionation in Agricultural Soils of Pb/Zn Mining Region and Their Transfer to Selected Vegetables, Water Air Soil Pollut 227 (2016) 481	M22 (1,551)

24.	B. Tanaskovski, M. Jović, Lj. Miličić, L. Pezo, M. Mandić, S. Stanković, The geochemistry model of the surface sediment determined by using ED-XRF technique: a case study of the Boka Kotorska bay, Adriatic Sea. Environ Sci Pollut Res 23 (2016) 11777–11789	M21 (2,920)
25.	B. Tanaskovski, M. Jović, M. Mandić, L. Pezo, S. Degetto, Slavka Stanković, Elemental analysis of mussels and possible health risks arising from their consumption as a food: the case of Boka Kotorska bay, Adriatic Sea. Ecotoxicology and Environmental Safety 130 (2016) 65–73	M21 (2,762)
26.	M. Petrović, T. Šoštarić, M. Stojanović, J. Milojković, M. Mihajlović, M. Stanojević, S. Stanković, Removal of Pb <sup>2+</sup> ions by raw Corn silk ( <i>Zea Mays L.</i> ) as a novel biosorbent, Journal of the Taiwan Institute of Chemical Engineers, Journal of the Taiwan Institute of Chemical Engineers, 58 (2016) 407–416	M21 (3,000)
27.	Marina Maletić, Marija Vukčević, Ana Kalijadis, Ivona Janković-Častvan, Aleksandra Dapčević, Zoran Laušević, Mila Laušević, Hydrothermal synthesis of TiO <sub>2</sub> /carbon composites and their application for removal of organic pollutants, Arabian Journal of Chemistry (2016) <a href="http://dx.doi.org/10.1016/j.arabjc.2016.06.020">http://dx.doi.org/10.1016/j.arabjc.2016.06.020</a>	M21 (4,553)
28.	Ana Protić, Marina Radišić, Jelena Golubović, Biljana Otašević, Mira Zečević, Mila Laušević, Structural Elucidation of Unknown Oxidative Degradation Products of Mycophenolate Mofetil Using LC-MS <sup>n</sup> , Chromatographia, 79 (2016) 919-926	M23 (1,402)
29.	K. Mihajlovski, N. Radovanović, Đ. Veljović, S. Šiler-Marinković, S. Dimitrijević-Branković, Improved β-amylase production on molasses and sugar beet pulp by a novel strain <i>Paenibacillus chitinolyticus</i> CKS1, Industrial crops and products, 80 (2016) 115 - 122	M21 (3,181)
30.	R. Dojčilović, J. Pajović, D.K. Božanić, V.V. Vodnik, S. Dimitrijević-Branković, A.R. Milosavljević, S. Kaščáková, M. Réfrégiers, V. Djoković, A fluorescent nanoprobe for single bacterium tracking: Functionalization of silver nanoparticles with tryptophan to probe the nanoparticle accumulation with single cell resolution, Analyst, 141:6 (2016) 1988 - 1996	M21 (3,885)
31.	A. Nešić, M. Gordić, A. Onija, S. Davidović, M. Miljković, S. Dimitrijević-Branković, Chitosan-triclosan films for potential use as bio-antimicrobial bags in healthcare sector, Materials Letters, 186 (2016) 368 - 371	M21 (2,572)
32.	D. Dimitrellou, P. Kandylis, T. Petrović, S. Dimitrijević-Branković, S. Lević, V. Nedović, Y. Kourkoutas, Survival of spray dried microencapsulated <i>Lactobacillus casei</i> ATCC 393 in simulated gastrointestinal conditions and fermented milk, LWT-Food Science and Technology, 71 (2016) 169 - 174	M21 (2,329)
33.	J. Pajović, R. Dojčilović, D.K. Božanić, V.V. Vodnik, S. Dimitrijević-Branković, S. Kaščáková, M. Réfrégiers, M. Markelić, V. Djoković, Deep UV fluorescence imaging study of <i>Candida albicans</i> cells treated with gold-riboflavin hydrocolloids, Optical and Quantum Electronics, 48 (2016) 311	M22 (1,055)
34.	K. Mihajlovski, S. Davidović, M. Carević, N. Radovanović, S. Šiler-Marinković, M. Rajilić-Stojanović, S. Dimitrijević-Branković, Carboxymethyl cellulase production from a <i>Paenibacillus</i> sp, Hemijska Industrija, 70 (2016) 329 - 338	M23 (0,459)
35.	A.V. Buntić, M.D. Pavlović, S.S. Šiler-Marinković, S.I. Dimitrijević-Branković, Biological treatment of colored wastewater by <i>Streptomyces fulvissimus</i> CKS 7, Water Science and Technology, 73 (2016) 2231-2236	M23 (1,197)
36.	A. Đukić-Vuković, B. Jokić, S. Kocić-Tanackov, J. Pejin, Lj. Mojović, Mg-modified zeolite as a carrier for <i>Lactobacillus rhamnosus</i> in L (+) lactic acid production on distillery wastewater. Journal of the Taiwan Institute of Chemical Engineers, 59 (2016) 262–266.	M21 (4,217)

37.	A. Đukić-Vuković, D. Mladenović, M. Radosavljević, S. Kocić-Tanackov, J. Pejin, L. Mojović, Wastes from bioethanol and beer productions as substrates for L(+) lactic acid production – A comparative study, Waste management, 48 (2016) 478-482.	M21 (4,030)
38.	D. Mladenović, A. Đukić-Vuković, S. Kocić-Tanackov, J. Pejin, L. Mojović, Lactic acid production on a combined distillery stillage and sugar beet molasses substrate, Journal of Chemical Technology and Biotechnology, 91 (2016) 2474–2479.	M21 (3,135)
39.	S. Stanojević-Nikolić, G. Dimić, L. Mojović, J. Pejin, A. Đukić-Vuković, S. Kocić-Tanackov, Antimicrobial activity of lactic acid against pathogen and spoilage microorganisms, Journal of Food Processing and Preservation, 40 (2016) 990-998.	M22 (1,159)
40.	D. Mladenović, A. Đukić-Vuković, J. D. Pejin, S. D. Kocić-Tanackov, Lj. V. Mojović, Mogućnosti, perspektive i ograničenja u proizvodnji mlečne kiseline na sporednim i otpadnim sirovinama, Hemijska industrija, 70 (2016) 435–449.	M23 (0,459)
41.	Z.D. Knežević-Jugović, M.G. Žuža, S.M. Jakovetić, A.B. Stefanović, E.S. Džunuzović, K.B. Jeremić, S.M. Jovanović, An approach for the improved immobilization of penicillin G acylase onto macroporous poly(glycidyl methacrylate-co-ethylene glycol dimethacrylate) as a potential industrial biocatalyst. Biotechnology Progress, 32 (2016) 43-53.	M21 (2,167)
42.	N. Milašinović, B. Čalija, B. Vidović, M. Crevar Sakač, Z. Vujić, Z. Knežević-Jugović, Sustained release of $\alpha$ -lipoic acid from chitosan microbeads synthetized by inverse emulsion method. Journal of the Taiwan Institute of Chemical Engineers, 60 (2016) 106-112.	M21 (4,217)
43.	N.Ž. Šekuljica, M.M. Gvozdenović, Z.D. Knežević-Jugović, B.Z. Jugović, B.N. Grgur, Biofuel cell based on horseradish peroxidase immobilized on copper sulfide as anode for decolorization of anthraquinone AV109 dye. Journal of Energy Chemistry, 25 (2016) 403-408.	M21 (2,594)
44.	N.Ž. Šekuljica, N.Ž. Prlainović, S.M. Jakovetić, S.Ž. Grbavčić, N.D. Ognjanović, Z.D. Knežević-Jugović, D.Ž. Mijin, Removal of Anthraquinone Dye by Cross-Linked Enzyme Aggregates From Fresh Horseradish Extract. Clean - Soil, Air, Water, 44 (2016) 891-900.	M21 (1,945)
45.	M.G. Antov,D.Ž. Ivetić, Z.D. Knežević Jugović, Single step recovery of lipase from <i>Penicillium cyclopium</i> by aqueous two-phase extraction. Separation Science and Technology (Philadelphia), 51 (2016) 622-628.	M22 (1,171)
46.	J.R. Jovanović, A.B. Stefanović, N.Ž. Šekuljica, S.M. Jakovetić Tanasković, M.B. Dojčinović, B.M. Bugarski, Z.D. Knežević-Jugović, Ultrasound Pretreatment as an Useful Tool to Enhance Egg White Protein Hydrolysis: Kinetics, Reaction Model, and Thermodynamics. Journal of Food Science. 81 (2016) C2664-C2675.	M22 (1,815)
47.	M. Radovanović, B. Jugović, M. Gvozdenović, B. Jokić, B. Grgur, B. Bugarski, Z. Knežević-Jugović, Immobilization of $\alpha$ -amylase via adsorption on magnetic particles coated with polyaniline. Starch/Stärke, 68 (2016) 427-435.	M22 (1,837)
48.	N.Ž. Šekuljica, N.Ž. Prlainović, J.R. Jovanović, A.B. Stefanović, V.R. Djokić, D.Ž. Mijin, Z.D. Knežević-Jugović, Immobilization of horseradish peroxidase onto kaolin. Bioprocess and Biosystems Engineering 39, (2016) 461-472.	M22 (1,997)
49.	B.B.Vidović, N.Z. Milašinović, J.M. Kotur-Stevuljević, S.P. Dilber, M.T. Kalagasisidis Krušić, B.I. Đorđević, Z.D. Knežević-Jugović, Encapsulation of $\alpha$ -lipoic acid into chitosan and alginate/gelatin hydrogel microparticles and its in vitro antioxidant activity. Hemijska Industrija, 70 (2016) 49-58.	M23 (0,459)
50.	J.R. Jovanović, A.B. Stefanović, M.G. Žuža, S.M. Jakovetić, N.Ž. Šekuljica, B.M. Bugarski, Z.D. Knežević-Jugović, Improvement of antioxidant properties of egg	M23 (0,459)

	white protein enzymatic hydrolysates by membrane ultrafiltration. Hemijska Industrija, 70 (2016) 419-428.	
51.	B. Jugović, B. Grgur, M. Antov, Z. Knežević-Jugović, J. Stevanović, M. Gvozdenović, Polypyrrole-based enzyme electrode with immobilized glucose oxidase for electrochemical determination of glucose. International Journal of Electrochemical Science, 11 (2016) 1152-1161.	M23 (1,692)
52.	N.Ž. Šekuljica, N.Ž. Prlainović, J.R. Jovanović, A.B. Stefanović, S.Ž. Grbavčić, D.Ž. Mijin, Z.D. Knežević-Jugović, Immobilization of horseradish peroxidase onto kaolin by glutaraldehyde method and its application in decolorization of anthraquinone dye. Hemijska Industrija, 70 (2016) 217-224.	M23 (0,459)
53.	P Enck, Q Aziz, G Barbara, AD Farmer, S Fukudo, EA Mayer, B Niesler, EMM Quigley, M Rajilic-Stojanovic, M Schemann, J Schwille-Kiuntke, M Simren, S Zipfel, RC Spiller: Irritable bowel syndrome, Nature Reviews Disease Primers 2 (2016)	M21a (32,27)
54.	T.Z Krunic, M.L. Bulatović, N.S. Obradović, M.S. Vukašinović Sekulić, M.B. Rakin. Effect of immobilisation materials on viability and fermentation activity of dairy starter culture in whey-based substrate, Journal of the Science of Food and Agriculture, 96 (2016) 1723–1729.	M21a (2,463)
55.	D.B. Zaric, M.L. Bulatovic, M.B. Rakin, T.Z. Krunic, I.S. Loncarevic, B.S. Pajin. Functional, rheological and sensory properties of probiotic milk chocolate produced in a ball mil., RSC Advances, 6 (2016) 13934-13941.	M21 (3,840)
56.	M. Rakin, M. Bulatovic, D. Zaric, M. Stamenkovic-Đokovic, T. Krunic, M. Boric, M. Vukašinovic Sekulic. Quality of fermented whey beverage with milk, Hemijska industrija, 70 (2016) 91-98.	M23 (0,459)
57.	Ivana Lončarević, Biljana Pajin, Marija Sakač, Danica Zarić, Marica Rakin, Jovana Petrović, Aleksandra Torbica, Influence of rapessed and sesame oil on crystalization and rheological properties of cocoa cream fat phase and quality of final product. Journal of Texture Studies, 47 (5) 432-442.	M22 (1,370)
58.	I. Madzovska Malagurski, M. Vukašinović Sekulic, D. Kostić, S. Lević, Towards antimicrobial yet bioactive Cu-alginate hydrogels, Biomedical Materials (Bristol), 11 (2016) 035015	M22 (2,469)
59.	M. Carević, D. Bezbradica, K. Banjanac, A. Milivojević, M. Fanuel, H. Rogniaux, D. Ropartz, D. Veličković. Structural Elucidation of Enzymatically Synthesized Galacto-oligosaccharides Using Ion-Mobility Spectrometry-Tandem Mass Spectrometry, Journal of Agricultural and Food Chemistry, 64 (2016) 3609-3615	M21a (3,154)
60.	J. Trbojević Ivić, D. Veličković, A. Dimitrijević, D. Bezbradica, V. Dragačević, M. Gavrović Jankulović, N. Milosavić. Design of biocompatible immobilized <i>Candida rugosa</i> lipase with potential application in food industry, Journal of the Science of Food and Agriculture, 96 (2016) 4281-4287	M21a (2,463)
61.	K. Banjanac, M. Mihailović, N. Prlainović, M. Stojanović, M. Carević, A. Marinković, D. Bezbradica. Cyanuric chloride functionalized silica nanoparticles for covalent immobilization of lipase, Journal of Chemical Technology and Biotechnology, 91 (2016) 439-448	M21 (2,738)
62.	M. Carević, M. Čorović, M. Mihailović, K. Banjanac, A. Milisavljević, D. Veličković, D. Bezbradica. Galacto-oligosaccharide synthesis using chemically modified $\beta$ -galactosidase from <i>Aspergillus oryzae</i> immobilised onto macroporous amino resin, International Dairy Journal, 54 (2016) 50-57	M21 (2,008)
63.	K. Banjanac, M. Mihailović, N. Prlainović, M. Čorović, M. Carević, A. Marinković, D. Bezbradica. Epoxy-silanization - tool for improvement of silica nanoparticles as support for lipase immobilization with respect to esterification	M21 (2,738)

	activity, Journal of Chemical Technology and Biotechnology, 91 (2016) 2654-2663	
64.	K. Banjanac, M. Carević, M. Čorović, A. Milivojević, N. Prlainović, A. Marinković, D. Bezbradica. Novel $\beta$ -galactosidase nanobiocatalyst systems for application in the synthesis of bioactive galactosides, RSC Advances, 6 (2016) 97216 – 97225	M21 (3,840)
65.	J. Ivić Trbojević, A. Dimitrijević, N. Milosavić, D. Bezbradica, B. Drakulić, M. Gavrović-Jankulović, M. Pavlović, H. Rogniaux, D. Veličković. Assessment of the interacting mechanism between <i>Candida rugosa</i> lipases and hydroxyapatite and identification of the hydroxyapatite-binding sequence through proteomics and molecular modelling, RSC Advances, 6 (2016) 34818-34824	M21 (3,840)
66.	M. Miljković, S. Davidović, M. Carević, Đ. Veljović, D. Mladenović, M. Rajilić-Stojanović, S. Dimitrijević-Branković. Sugar Beet Pulp as Leuconostoc mesenteroides T3 Support for Enhanced Dextransucrase Production on Molasses, Applied Biochemistry and Biotechnology, 180 (2016) 1016-1027	M22 (1,735)
67.	N. Prlainović, D. Bezbradica, J. Rogan, P. Uskoković, D. Mijin, A. Marinković. Surface functionalization of oxidized multi-walled carbon nanotubes: <i>Candida rugosa</i> lipase immobilization, Comptes Rendus Chimie, 19 (2016) 362-369	M22 (1,879)
68	M. Mihailović, J. Trbojević-Ivić, K. Banjanac, N. Milosavić, D. Veličković, M. Carević, D. Bezbradica. Immobilization of maltase from <i>Saccharomyces cerevisiae</i> on thiosulfonate supports, Journal of the Serbian Chemical Society, 81(2016) 1371-1382	M23 (0,822)
69.	K. Mihajlovski, S. Davidović, Đ. Veljović, M. Carević, V. Lazić, S. Dimitrijević-Branković. Effective valorisation of barley bran for simultaneous cellulase and $\beta$ -amylase production by <i>Paenibacillus chitinolyticus</i> CKS1: Statistical optimization and enzymes application, Journal of the Serbian Chemical Society, 82 (2016) 1223-1236	M23 (0,822)
70.	M. Carević, K. Banjanac, M. Čorović, S. Jakovetić, A. Milivojević, M. Vukašinović-Sekulić, D. Bezbradica. Selection of lactic acid bacteria strain for simultaneous production of $\alpha$ - and $\beta$ -galactosidases, Zaštita materijala, 57 (2016) 265-273	M24
71.	N. D. Nikolić, P. M. Živković, S. I. Stevanović, G. Branković, Relationship between the kinetic parameters and morphology of electrochemically deposited lead, Journal of the Serbian Chemical Society, 81 (2016) 553–566	M23
72.	Popov Konstantin I, Zivkovic Predrag M, Jokic Bojan M, Nikolic Nebojsa D, The shape of the polarization curve and diagnostic criteria for control of the metal electrodeposition process, Journal of the Serbian Chemical Society, 81 (2016) 291-306	M23 (0,822)
73.	Ivona Janković-Častvan, Slavica Lazarević, Dušica Stojanović, Predrag Živković, Rada Petrović, Đorđe Janačković, PVB/sepiolite nanocomposites as reinforcement agents for paper, Journal of the Serbian Chemical Society, 81 (2016) 1295–1305	M23 (0,822)
74.	Simić, D., Stojanović, D.B., Kojović, A., Dimić, M., Totovski, L., Uskoković, P.S., Aleksić, R., Inorganic fullerene-like IF-WS2/PVB nanocomposites of improved thermo-mechanical and tribological properties, Materials Chemistry and Physics, 184 (2016) 335-344	M22 (2,101)
75.	Yerro, O., Radojević, V., Radović, I., Kojovic, A., Uskokovic, P.S., Stojanović, D.B., Aleksić, R., Enhanced thermo-mechanical properties of acrylic resin reinforced with silanized alumina whiskers, Ceramics International, 42 (2016) 10779-10786	M21a (2,986)
76.	Yerro, O., Radojevic, V., Radovic, I., Petrovic, M., Ukokovic, P.S., Stojanovic, D.B., Aleksic, R., Thermoplastic acrylic resin with self-healing properties, Polymer	M22 (1,719)

	Engineering and Science, 56 (2016) 251-257	
77.	Djordjević, N., Marinković, A.D., Nikolić, J.B., Drmanić, S. Ž., Rančić, M., Brković, D.S., Uskoković, P.S., A study of the barrier properties of polyethylene coated with a nanocellulose/magnetite composite film, Journal of the Serbian Chemical Society, 81 (2016) 589-605	M23 (0,997)
78.	G. Kokeza, D. Radosavljević, Influence of Technological Development on Encouraging Innovativeness of Domestic Industrial Enterprises, Ekonomika preduzeća, (2016) 347-360.	M24 (0,198)
79.	Kočović, J., Paunović, M., Jovović, M. Determining the discount rate: The case of oil industry in Serbia. <i>Ekonomika preduzeća</i> , September-October (2016) 371-381 (ISSN 0353-443X).	M24 (0,198)
80.	Davor Antanasijević, Jelena Antanasijević, Viktor Pocajt, Gordana Ušćumlić, A GMDH-type neural network with multi-filter feature selection for the prediction of transition temperatures of bent-core liquid crystals, RSC Advances, 6 (2016) 99676 - 99684.	M21 (3,840)
81.	Jelena Antanasijević, Viktor Pocajt, Davor Antanasijević, Nemanja Trišović, Katalin Fodor-Csorba, Prediction of clearing temperatures of bent-core liquid crystals using decision trees and multivariate adaptive regression splines, Liquid Crystals, 43 (2016) 1028-1037.	M21 (2,661)
82.	Jelena Antanasijević, Davor Antanasijević, Viktor Pocajt, Nemanja Trišović, Katalin Fodor-Csorba, A QSPR study on the liquid crystallinity of five-ring bent-core molecules using decision trees, MARS and artificial neural networks, RSC Advances, 6 (2016) 18452–18464.	M21 (3,840)
83.	Vladimir P. Pavićević, Miljana S. Marković, Svetomir Ž. Milojević, Mihailo S. Ristić, Dragan S. Povrenović, Vlada B. Veljković, Microwave-assisted hydrodistillation of juniper berry essential oil: kinetic modeling and chemical composition, Journal of Chemical Technology and Biotechnology. J Chem Technol Biotechnol., 91 (2016), 83–891.	M21 (2,738)
84.	I.J. Stojković, I.B. Banković-Ilić, A.V. Veličković, J.M. Avramović, O.S. Stamenković, D.S. Povrenović, V.B. Veljković, Waste lard methanolysis catalyzed by potassium hydroxide at moderate temperatures, Chemical Engineering Technology 39 (2016), 741-750.	M21 (2,442)
85.	I.J. Stojković, M.R. Miladinović, O.S. Stamenković, I.B. Banković-Ilić, D.S. Povrenović, V.B. Veljković, Biodiesel production by methanolysis of waste lard from piglet roasting over quicklime, Fuel 182 (2016), 454–466.	M21 (3,611)
86.	A. Djukić, B. Lekić, V. N. Rajaković-Ognjanović, Dj. Veljović, T. Vulić, M. Djolić, Z. Naunovic, J. Despotović, D. Prodanović, Further Insight into the Mechanism of Heavy Metals Partitioning in Stormwater Runoff, Journal of Environmental Management 168 (2016) 104-110.	M21 (4.010)
87.	A. Bjelajac, R. Petrovic, G. Socol, I. N. Mihailescu, M. Enculescu, V. Grumezescu, V. Pavlovic, Dj. Janackovic, CdS quantum dots sensitized TiO <sub>2</sub> nanotubes by matrix assisted pulsed laser evaporation method, Ceramics International, 42 (2016) 9011–9017.	M21 (2,605)
88.	A. Juma Albrbar, V. Djokić, A. Bjelajac, J. Kovač, J. Ćirković, M. Mitrić, Dj. Janaćković, R. Petrović, Visible-light active mesoporous, nanocrystalline N,S-doped and co-doped titania photocatalysts synthesized by non-hydrolytic sol-gel route, Ceramics International, 42 (2016) 16718–16728.	M21 (2,605)
89.	I. Nikolić, S. Marković, I. Janković-Častvan, V.V. Radmilović, Lj. Karanović, B. Babić, V. R. Radmilović, Modification of mechanical and thermal properties of fly ash-based geopolymers by the incorporation of steel slag, Materials Letters, 176	M21 (2,437)

	(2016) 301–305.	
90.	A. B. Savić, Đuro Čokeša, S. Lazarević, B. Jokić, Đordje Janačković, R. Petrović, Lj.S. Živković, Tailoring of magnetite powder properties for enhanced phosphate removal: Effect of PEG addition in the synthesis process, Powder Technology, 301 (2016) 511-519.	M21 ( 2,942)
91.	A.R. Čosović, T. Žak, S. B. Glišić, M. D. Sokić, S. S. Lazarević, V. R. Čosović, A. M. Orlović, Synthesis of nano-crystalline NiFe <sub>2</sub> O <sub>4</sub> powders in subcritical and supercritical ethanol, The Journal of Supercritical Fluids, 113 (2016) 96-105.	M21 (2,991)
92.	I. Dimić, I. Cvijović-Alagić, B. Völker, A. Hohenwarter, R. Pippan, Dj. Veljović, M. Rakin, B. Bugarski, Microstructure and metallic ion release of pure titanium and Ti-13Nb-13Zr alloy processed by high pressure torsion, Materials & Design, 91 (2016) 340–347.	M21 (4,364)
93.	S. Šešlija, Dj. Veljović, M. Kalagasisidis-Krušić, J. Stevanović, S. Veličković, I. Popović, Cross-linking of highly methoxylated pectin with copper: The specific anion influence, New Journal of Chemistry, 40 (2016) 1618-1625.	M21 (3,269)
94.	I. T. Drvenica, K. M. Bukara, V. Lj. Ilić, D. M. Mišić, B. Z. Vasić, R. B. Gajić, V. B. Đorđević, Dj. Veljović, A. Belić, B. M. Bugarski, Biomembranes from slaughterhouse blood erythrocytes as prolonged release systems for dexamethasone sodium phosphate, Biotechnology Progress, 32 (2016) 1046-1055.	M21 (1,986)
95.	A. Milenković, I. Smičiklas, N. Bundaleski, O.M.N.D. Teodoro, Dj. Veljović, N. Vukelić, The role of different minerals from red mud assemblage in Co (II) sorption mechanism, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 508 (2016) 8-20.	M22 (2,714)
96.	J. Nikolić, V. Živanović, S. Matijašević, J. Stojanović, S. Grujić, S. Smiljanić, V. Topalović, Crystallization and sintering behaviors of the polyphosphate glass doped with Zn and Mn, Journal of Thermal Analysis and Calorimetry 124 (2016) 585-592.	M22 (1,781)
97.	T. Minović Arsić, A. Kalijadis, B. Matović, M. Stoilković, J. Pantić, J. Jovanović, R. Petrović, B. Jokić, B. Babić, Arsenic(III) adsorption from aqueous solutions on novel carbon cryogel/ceria nanocomposite, Processing and Application of Ceramics, 10 (2016) 17–23.	M22 (1,070)
98.	S. Lazarević, I. Janković-Častvan, B. Jokić, Đ. Janačković, R. Petrović, Sepiolite functionalized with N-[3-(trimethoxysilyl)propyl]ethylenediamine triacetic acid trisodium salt. Part II: Sorption of Ni <sup>2+</sup> from aqueous solutions, Journal of the Serbian Chemical Society, 81(2016) 197-208.	M23 (0,970)
99.	M. Ležaja, B. M. Jokić, Dj. Veljović, V. Miletić, Shear bond strength to dentine of dental adhesives containing hydroxyapatite nano-fillers, Journal of Adhesion Science and Technology, 30 (2016) 2678-2689.	M23 (1,073)
100.	S. Smiljanić, S. Grujić, M. Tošić, V. Živanović, S. Matijašević, J. Nikolić, V. Topalović, Effect of La <sub>2</sub> O <sub>3</sub> on the structure and the properties of strontium borate glasses, Chemical Industry & Chemical Engineering Quarterly, 22, (2016) 111-115.	M23 (0,617)
101.	Daniela Ž. Popović, Jelena M. Miladinović, Joseph A. Rard, Zoran P. Miladinović, Snežana R. Grujić, Isopiestic Determination of the Osmotic and Activity Coefficients of the { $y$ Na <sub>2</sub> HPO <sub>4</sub> +(1- $y$ )K <sub>2</sub> HPO <sub>4</sub> } (aq) System at $T=298.15$ K, Journal of Solution Chemistry, 45 (2016) 1261-1287.	M23 (1,342)
102.	D. R. Barjaktarević, I. Lj. Cvijović-Alagić, I. D. Dimić, V. R. Djokić and M. P. Rakin, “Anodization of Ti-based materials for biomedical applications: A review”, Metallurgical and Materials Engineering 22 (3) (2016) 129-143.	M24
103.	I. Cvijović-Alagić, Z. Cvijović, J. Bajat, M. Rakin, Electrochemical behaviour of	M21

	Ti-6Al-4V alloy with different microstructures in a simulated bio-environment. Materials and Corrosion - Werkstoffe und Korrosion, 67/10 (2016) 1075-1087	(1.260)
104.	A. Murariu, D. Veljić, D. Barjaktarević, M. Rakin, N. Radović, A. Sedmak, J. Đoković, Influence of material velocity on heat generation during linear welding stage of friction stir welding. Thermal Science, 20/5 (2016) 1693-1701	M22 (1.222)
105.	N. Tomić, B. Medo, D. Stojanović, V. Radojević, M. Rakin, R. Jančić-Heinemann, R. Aleksić: A rapid test to measure adhesion between optical fibers and ethylene-vinyl acetate copolymer (EVA). International Journal of Adhesion and Adhesives, 68 (2016) 341-350	M22 (2.211)
106.	D. Veljić, B. Medo, M. Rakin, Z. Radosavljević, N. Bajić: Analysis of the tool plunge in friction stir welding - comparison of aluminium alloys 2024 T3 and 2024 T351. Thermal Science, 20/1 (2016) 247-254	M22 (1.222)
107.	B. Medo, M. Arsić, M. Rakin, S. Sedmak, Z. Malešević, Z. Savić: Integrity assessment of regulation system pipeline elements in hydroelectric generating set a6 of hydro power plant 'Đerdap 1'. Structural Integrity and Life / Integritet i vek konstrukcija, 16/2 (2016) 71-78	M24
108.	A. Tasić, V. Mališić, M. Stamenović, S. Drmanić, B. Medo, S. Putić, Influence of acidic solutions on the strain distribution in glass-polyester composite pipes subjected to internal pressure, Zaštita materijala (Materials Protection), 57/1 (2016) 110-118	M24
109.	M. Petrović, P. Mihailović, Lj. Brajović, S. J. Petričević, I. Živković, A. Kojović, V. Radojević, Intensity Fiber-Optic Sensor for Structural Health Monitoring Calibrated by Impact Tester, IEEE Sensors Journal, 16 (2016) 3047-3053	M22 (2,512)
110.	M. Pavlović, M. Dojčinović, S. Martinović, Z. Stević, T. Volkov Husović, Non destructive monitoring of cavitation erosion of cordierite based coatings. Composites Part B, 97 (2016) 84-91	M21a (4,727)
111.	M. M. Dimitrijević, M. Dojčinović, D. Trifunović, T. Volkov – Husović, R. Jančić Hainneman, Comparison of morphological parameters of ceramic materials surface damage exposed to thermal shock and cavitation erosion. Science of Sintering, 48 (2016) 371-377	M22 (0,736)
112.	V. Aleksić, M. Dojčinović, Lj. Milović, I. Samardžić, Cavitation damages morphology of HSLA steel. Metalurgija, 55(3) (2016) 423-425.	M22 (0,959)
113.	D.Đ. Radovanović, Ž.J. Kamberović, M.S. Korać, J.R. Rogan, Solidified structure and leaching properties of metallurgical wastewater treatment sludge after solidification/stabilization process, Journal Of Environmental Science And Health, Part A, 51 (2016) 34-43	M23 (1,455)
114.	J.D. Zdravković, D. Poleti, J. Rogan, N.N. Begović, V.A. Blagojević, M.M. Vasić, D.M. Minić, Thermal stability and degradation of binuclear hexaaqua-bis(ethylenediamine)-(μ <sub>2</sub> -pyromellitato)dinickel(II) tetrahydrate, Journal of Thermal Analysis and Calorimetry, 123 (2016) 1715-1726	M22 (2,042)
115.	L. Radovanović, J. Rogan, D. Poleti, M.V. Rodić, N. Begović, Structural diversity of manganese(II) complexes containing 2,2'-dipyridylamine and benzenedicarboxylates. Conformational analysis of tere-, iso- and phthalate ions: An experimental and quantum chemical approach, Inorganica Chimica Acta, 445 (2016) 46-56	M22 (2,046)
116.	N.Ž. Prlainović, D.I. Bezbradica, J. Rogan, P.S. Uskoković, D.Ž. Mijin, A.D. Marinković, Functionalization of oxidized multi walled carbon nanotubes surface: Candida rugosa lipase immobilization, Comptes Rendus Chimie, 19 (2016) 363-370	M22 (1,879)
117.	M.D. Tomić, B. Dunjić, J.B. Bajat, V. Likić, J. Rogan, J. Djonlagić, Anticorrosive	M22

	epoxy/clay nanocomposite coatings: Rheological and protective properties, <i>Journal of Coatings Technology and Research</i> , 13 (2016) 439-456	(1,557)
118.	M. Ponjavic, M.S. Nikolic, S. Jevtic, J. Rogan, S. Stevanovic, J. Djonlagic, Influence of a low content of PEO segment on the thermal, surface and morphological properties of triblock and diblock PCL copolymers, <i>Macromolecular Research</i> , 24 (2016) 323-335	M22 (1,405)
119.	L. Radovanović, J. Rogan, D. Poleti, M. Milutinović, M.V. Rodić, Polymeric zinc complexes with 2,2'-dipyridylamine and different benzene polycarboxylato ligands: Synthesis, structure, characterization and antimicrobial activity, <i>Polyhedron</i> , 112 (2016) 18-26	M22 (1,973)
120.	N. Trišović, J. Antanasijević, J. Rogan, D. Poleti, T. Tóth-Katona, M. Salamonczyk, A. Jákli, K. Fodor-Csorba, Investigation of supramolecular architectures of bent-shaped pyridine derivatives: from a three-ring crystalline compound towards five-ring mesogens, <i>New Journal of Chemistry</i> , 40 (2016) 6977-6985	M21 (3,277)
121.	M.N. Krstajić Pajić, S.I. Stevanović, V.V. Radmilović, J.R. Rogan, V.R. Radmilović, S.Lj. Gojković, V.M. Jovanović, Pt/C Nanocatalysts for Metanol Electrooxidation Prepared by Water-In-Oil Microemulsion Method, <i>Journal of Solid State Electrochemistry</i> , 20 (2016) 3405-3414	M22 (2,446)
122.	B.V. Jegdić, Lj.S. Živković, J.P. Popić, J. Rogan, J.B. Bajat, V.B. Mišković-Stanković, Corrosion stability of cerium-doped cataphoretic epoxy coatings on AA6060 alloy, <i>Materials and Corrosion</i> , 67 (2016) 1173-1184	M21 (1,450)
123.	D. Luković Golić, A. Radojković, J. Ćirković, A. Dapčević, D. Pajić, N. Tasić, S. M. Savić, M. Počuća-Nešić, S. Marković, G. Branković, Z. Marinković Stanojević, Z. Branković, Structural, ferroelectric and magnetic properties of BiFeO <sub>3</sub> synthesized by sonochemically assisted hydrothermal and hydro-evaporation chemical methods, <i>Journal of the European Ceramic Society</i> , 36 (2016) 1623–1631	M21a (3,411)
124.	S.M. Savić, G. Stojanović, D. Vasiljević, K. Vojisavljević, A. Dapčević, A. Radojković, S. Pršić, G. Branković, Nanoindentation study of nickel manganite ceramics obtained by a complex polymerization method, <i>Ceramics International</i> , 42 (2016) 12276–12282	M21a (2,986)
125.	M. S. Nikolic, M. Mitric, A. Dapcevic, J. Djonlagic, Viscoelastic properties of poly( $\epsilon$ -caprolactone)/clay nanocomposites in solid and in melt state, <i>Journal of Applied Polymer Science</i> , 133 (2016) 42896	M22 (1,860)
126.	I. Matić Bujagić, S. Grujić, Z. Jauković, M. Laušević, Sterol ratios as a tool for sewage pollution assessment of river sediments in Serbia, <i>Environmental Pollution</i> , 213 (2016) 76-83	M21a (5,099)
127.	T. Radović, S. Grujić, S. Kovačević, M. Laušević, M. Dimkić, Sorption of selected pesticides and pharmaceuticals on different river sediments, <i>Environmental Science and Pollution Research</i> , 23 (2016) 25232-25244	M21 (2,760)
128.	Lj. Tolić, S. Grujić, M. Mojović, M. Jovanović, G. Lubec, G. Bačić, M. Laušević, Determination of anisomycin in tissues and serum by LC-MS/MS: application to pharmacokinetic and distribution studies in rats, <i>RSC Advances</i> , 6 (2016) 92479-92489	M22 (3,289)
129.	J. D. Rusmirović, K. T. Trifković, B. Bugarski, V. B. Pavlović, J. Džunuzović, M. Tomić, A. D. Marinković, High performance unsaturated polyester based nanocomposites: Effect of vinyl modified nanosilica on mechanical properties, <i>eXPRESS Polymer Letters</i> , 10 (2016) 139–159	M21 (2,983)
130.	S. J. Brzić, G. S. Ušćumlić, M. V. Dimić, M. Tomić, V. Rodić, B. Z. Fidanovski, Viscoelastic behavior of carboxyl-terminated (butadiene-co-acrylonitrile)-based	M23 (0,364)

	composite propellant binder containing polyglycidyl-type bonding agent, Hemijska industrija, 70 (2016) 547-556	
131.	D. Stojaković, J. Milenković, S. Stupar, Z. Veličković, N. Rajić, Binary adsorption of nickel and zinc from aqueous solutions onto the Serbian natural clinoptilolite, Desalination and Water Treatment, 57 (2016) 18748-18754	M22 (1,173)
132.	J. Milovanovic, N. Rajic, A. Romero, H. Li, K. Shih, R. Tschentscher, R. Luque, Insights into the Microwave-Assisted Mild Deconstruction of Lignin Feedstocks Using NiO-Containing ZSM-5 Zeolites, ACS Sustainable Chemistry & Engineering, 4 (2016) 4305-4313	M21 (6,079)
133.	M. Jovanovic, I. Arcon, J. Kovac, N. Novak Tusar, B. Obradovic, N. Rajic, Removal of manganese in batch and fluidized bed systems using beads of zeolite a as adsorbent, Micrporous and Mesoporous Materials, 226 (2016) 378-385	M21 (3,615)
134.	G.R. Ivaniš, I.R. Radović, V.B. Veljković, M.Lj. Kijevčanin, Thermodynamic properties of biodiesel and petro-diesel blends at high pressures and temperatures. Experimental and modeling, Fuel, 184 (2016) 277-288.	M21a (4,601)
135.	J.D. Lović, N.P. Trišović, J.M. Antanasijević, N.D. Nikolić, S.I. Stevanović, D.Ž. Mijin, D. Vuković, A. Mladenović, S.D. Petrović, M.L. Avramov Ivić, Electrochemical determination of sildenafil citrate as standard, in tablets and spiked with human serum at gold and cystein modified gold electrode. Journal of Electroanalitical Chemistry 782 (2016) 103–107.	M21 (3.012)
136.	D. V. Brković, V. B. Pavlović, V. P. Pavlović, N. Obradović, M. Mitrić, S. Stevanović, B. Vlahović, P. S. Uskoković, A. D. Marinković, Structural Properties of the Multiwall Carbon Nanotubes/Poly(methyl methacrylate) Nanocomposites: Effect of the Multiwall Carbon Nanotubes Covalent Functionalization, Polymer Composites 38 (2017) E472-E489	M21 (2,004)
137.	A.R. Božić, A.D. Marinković, S. Bjelogrlić, T.R. Todorović, I.N. Cvjetić, I. Novaković, C.D. Muller, N.R. Filipović, Quinoline based mono- and bis(thio)-carbohydrazones: synthesis, anticancer activity in 2D and 3D cancer and cancer stem cell models, RSC Advanced, 6 (2016) 104763-104781	M21 (3,289)
138.	N.R. Filipović, S. Bjelogrlić, T. Todorović, V.A. Blagojević, C.D. Muller, A. Marinković, M. Vujić, B. Janović, A.S. Malešević, N. Begović, M. Senčanski, D. M. Minić. Ni(II) complex with bishydrazone ligand: Synthesis, characterization, DNA binding studies and pro-apoptotic and pro-differentiation induction in human cancerous cell lines. RSC Advanced, 6 (2016) 108726-108740.	M21 (3,289)
139.	K. Taleb, J. Markovski, Z. Veličković, J. Rusmirović, M. Rančić, V. Pavlović, A. Marinković, Arsenic removal by magnetite-loaded amino modified nano/micro-cellulose adsorbents: Effect of functionalization and media size, Arabian Journal of Chemistry, (2016)	M21 (3,613)
140.	M. P. Rančić, I. Stojiljković, M. Milošević, N. Prlainović, M. Jovanović, M. K. Milčić, A. D. Marinković, Solvent and substituent effect on intramolecular charge transfer in 5-arylidene-3-substituted-2,4-thiazolidinediones: Experimental and theoretical study, Arabian Journal of Chemistry, (2016)	M21 (4,55)
141.	P. Petrović, J. Vunduk, A. Klaus, M. Kozarski, M. Nikšić, Ž. Žižak, N. Vuković, G. Šekularac, S. Drmanić and B. Bugarski, Biological Potential of Three Puffball Species - A Comparative Analysis, Journal of Functional Foods 21 (2016) 36–49.	M21 (3.144)
142.	J. D. Lovic, D. Z. Mijin, M. B. Jovanovic, O. S. Glavaski, T. M. Zeremski, S. D. Petrovic, M. L. Avramov Iovic, An investigation of tebuconazole degradation using a gold electrode. Comptes Rendus Chimie 19 (2016) 639-645.	M22 (1,879)
143.	H. Elshaflu, S. Bjelogrlić, C. D. Muller, T. R. Todorović, M. Rodić, A. D. Marinković, N. R. Filipović, Co(III) complex with (E)-2-(2-(pyridine-2-	M22 (1,756)

	ylmethylene)hydrazinyl)-4-(4-tolyl)-1,3-thiazole: structure and activity against 2-D and 3-D cancer cell models. <i>Journal of Coordination Chemistry</i> , <a href="https://doi.org/10.1080/00958972.2016.1232404">https://doi.org/10.1080/00958972.2016.1232404</a>	
144.	N. Bobić, S. Terzić, M. Dimić, D. Simić, J. B. Nikolić and S. Ž. Drmanić, The Verification of TH-5 Explosive Quality. <i>Propellants, Explosives, Pyrotechnics</i> 41 (2016) 120-125.	M22 (1,908)
145.	T.L. Đaković-Sekulić, S. Keleman, K. Tot, J. Tot, N.P. Trišović, G.S. Uščumlić, In silico study of chromatographic lipophilicity parameters of 3-(4-substituted benzyl)-5-phenylhydantoins. <i>Combinatorial Chemistry &amp; High Throughput Screening</i> 19 (2016) 437–443.	M23 (0,952)
146.	A.M. Lazić, N.V. Valentić, N.P. Trišović, S.D. Petrović, G.S. Uščumlić, Synthesis, structure and properties of biological active spirohydantoin derivatives. <i>Hemiska industrija</i> 70 (2016) 177–199.	M23 (0,459)
147.	M.L. Avramov Ivić, J.M. Antanasijević, N.P. Trišović, D.Z. Antanasijević, J.D. Lović, D.Ž. Mijin, S.D. Petrović, A chemometrical analysis of voltammetric data for simultaneous determination of phenobarbital sodium and paracetamol obtained at a gold electrode. <i>International Journal of Electrochemical Science</i> 11 (2016) 5935–5951.	M23 (1,469)
148.	A. Golubović, I. Veljković, M. Šćepanović, M. Grujić-Brojčin, N. Tomić, D. Mijin, B. Babić, Influence of some sol-gel synthesis parameters of mesoporous TiO <sub>2</sub> on photocatalytic degradation of pollutants. <i>Chemical Industry and Chemical Engineering Quarterly</i> 22 (1) (2016) 65–73.	M23 (0,664)
149.	O.S. Glavaški, S.D. Petrović, V.N. Rajaković-Ognjanović, T.M. Zeremski, A.M. Dugandžić, D.Ž. Mijin, Photodegradation of dimethenamid-P in deionised and ground water. <i>Chemical Industry and Chemical Engineering Quarterly</i> 22 (1) (2016) 101–110.	M23 (0,664)
150.	B.M. Matijević, Đ.D. Vaštag, S.Lj. Apostolov, F. Assaleh, A.D. Marinković, D.Ž. Mijin, Solvatochromism of Thioracil Azo Dyes. <i>Journal of Solution Chemistry</i> 45 (2016) 885–906	M23 (1,342)
151.	M.M. Milosavljević, I.M. Vukićević, V. Šerifi, J.S. Markovski, I. Stojiljković, D.Ž. Mijin, A.D. Marinković, Optimization of the synthesis of N-alkyl and N,N-dialkyl thioureas from waste water containing ammonium thiocyanate. <i>Chemical Industry and Chemical Engineering Quaterly</i> , 21(4) (2015) 501-510	M23 (0,892)
152.	M.M. Milosavljević, I.M. Vukićević, S.Ž. Drmanić, J.B. Nikolić, A.D. Marinković, S.S. Krstić And S.D. Petrović, Simple one-pot synthesis of thioureas from amine, carbon disulfide and oxidants in water. <i>Journal of the Serbian Chemical Society</i> 81 (3) (2016) 219–231.	M23 (0,822)
153.	F. H. Assaleh, A.D. Marinković, J.B. Nikolić, S.Ž. Drmanić, D.V. Brković, N.Ž. Prlainović, B.Ž. Jovanović, A LFER Kinetic Study of The Reaction of 5-Substituted Orotic Acids with Diazodiphenylmethane, <i>International Journal of Chemical Kinetics</i> 48 (2016) 367-378.	M23 (1,386)
154.	D.R. Brkić, A.R. Božić, V.D. Nikolić, A.D. Marinković, H. Elshaflu, J.B. Nikolić, S.Ž. Drmanić, Solvatochromism of isatin based Schiff bases: LSER and LFER study. <i>Journal of the Serbian Chemical Society</i> 81 (2016) 979-997.	M23 (0,822)
155.	K.A. Taleb, J.D. Rusmirović, M.P. Rančić, J.B. Nikolić, S.Ž. Drmanić, Z.S. Veličković, A.D. Marinković, Efficient pollutants removal by amino modified nanocellulose impregnated with iron oxide. <i>Journal of the Serbian Chemical Society</i> 81 (2016) 1199-1213.	M23 (0,822)
156.	Sandra B. Glisic, Jelena M. Pajnik, Aleksandar M. Orlovic, Process and techno-economic analysis of green diesel production from waste vegetable oil and the	M21a (5,613)

	comparison with ester type biodiesel production, Applied Energy 170 (2016) 176–185.	
157.	Naziri, E., Glisic, S.B., Mantzouridou, F.T., Tsimidou, M.Z., Nedovic, V., Bugarski, B., Advantages of supercritical fluid extraction for recovery of squalene from wine lees, The Journal of Supercritical Fluids, 107 (2016) 560-565.	M21 (2,919)
158.	M. Mihajlović, M. Jovanović, R. Pešić, J. Jovanović, Z. Milanović, VOC Policy Innovation In Petrochemicals River Barge Transportation, Journal of Cleaner Production , 112 (2) (2016) 1559–1567	M21a (4,959)
159.	A. Dajić, M. Mihajlović, M. Jovanović, M. Karanac, D. Stevanović, J. Jovanović, Landfill design: need for improvement of water and soil protection requirements in EU Landfill Directive, Clean Technologies and Environmental Policy, 18 (2016) 753-764	M21 (3,331)
160.	Z. Boltić, M. Jovanović, S. Petrović, V. Božanić, M. Mihajlović, Continuous improvement concepts as a link between quality assurance and implementation of cleaner production: Case study in the generic pharmaceutical industry, Chemical Industry and Chemical Engineering Quarterly, 22 (2016) 55-64	M23 (0,437)
161.	Bogdanovic, A., Tadic, V., Stamenic, M., Petrovic, S., Skala, D. Supercritical carbon dioxide extraction of Trigonella foenum-graecum L. seeds: Process optimization using response surface methodology Journal of Supercritical Fluids 107 (2016) 44-50	M21 (2,991)
162.	Ivanovic, J., Knauer, S., Fanovich, A., Milovanovic, S., Stamenic, M., Jaeger, P., Zizovic, I., Eggers, R. Supercritical CO <sub>2</sub> sorption kinetics and thymol impregnation of PCL and PCL-HA Journal of Supercritical Fluids 107 (2016) 486-498	M21 (2,991)
163.	A. Knežević, M. Stajić, V. Jovanović, V. Kovačević, J. Ćilerdžić, I. Milovanović, J. Vukojević, Induction of wheat straw delignification by <i>Trametes</i> species. Scientific Reports, 6 (2016) 26529; doi: 10.1038/srep26529.	M21a (5,228)
164.	J. Vukojević, I. Hadjić, A. Knežević, M. Stajić, I. Milovanović, J. Ćilerdžić, Diversity of macromycetes in the Botanical Garden "Jevremovac" in Belgrade. Botanica Serbica, 40 (2016) 249-259.	M24 -
165	S. Milovanovic, D. Markovic, K. Aksentijevic, D. B. Stojanovic, J. Ivanovic, I. Zizovic, Application of cellulose acetate for controlled release of thymol, Carbohydrate Polymers 147 (2016) 344–353	M21a (4,811)
166.	N. V. Petrovic, S. S. Petrovic, A. M. Dzamic, A. D. Cirim, M. S. Ristic, S. L. Milovanovic, S. D. Petrovic, Chemical composition, antioxidant and antimicrobial activity of Thymus praecox supercritical extracts, Journal of Supercritical Fluids 110 (2016) 117–125	M21 (2,991)
167.	A. Bogdanovic, V. Tadic, I. Arsic, S. Milovanovic, S. Petrovic, D. Skala, Supercritical and high pressure subcritical fluid extraction from lemon balm ( <i>Melissa officinalis</i> L., Lamiaceae), The Journal of Supercritical fluids 107 (2016) 234-242	M21 (2,991)
168.	J. Ivanovic, S. Milovanovic, I. Zizovic, Utilization of supercritical CO <sub>2</sub> as a processing aid in setting functionality of starch-based materials, Starch/Stärke 68 (2016) 1-13	M22 (1,837)
169.	I. Lukić, Ž. Kesić, M. Zdujić, D. Skala, Calcium diglyceroxide synthesized by mechanochemical treatment, its characterization and application as catalyst for fatty acid methyl esters production, Fuel, 165 (2016) 159–165.	M21a (4,601)
170.	Ž. Kesić, I. Lukić, M. Zdujić, Č. Jovalekić, V. Veljković, D. Skala, Assessment of CaTiO <sub>3</sub> , CaMnO <sub>3</sub> , CaZrO <sub>3</sub> and Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> perovskites as heterogeneous base	M21 (4,051)

	catalysts for biodiesel synthesis, Fuel Processing Technology 143 (2016) 162–168.	
171.	S. Nasreen, H. Liu, L. Ali Qureshi, Z. Sissou, I. Lukić, D. Skala, Cerium–manganese oxide as catalyst for transesterification of soybean oil with subcritical methanol, Fuel Processing Technology 148 (2016) 76–84.	M21 (4,051)
172.	Ž. Kesić, I. Lukić, M. Zdujić, Lj. Mojović, D. Skala, Calcium oxide based catalysts for biodiesel production: a review, Chemical Industry & Chemical Engineering Quarterly 22 (4) (2016).	M23 (0,664)
173.	S. Nasreen, H. Liu, I. Lukić, L. Ali Qureshi, D. Skala, Heterogeneous kinetics of vegetable oil transesterification at high temperature, Chemical Industry & Chemical Engineering Quarterly, 22 (4) (2016) 419–429.	M23 (0,664)
174.	M. Lučić Škorić, I. Terzić, N. Milosavljević, M. Radetić, Z. Šaponjić, M. Radoičić, M. Kalagasisidis Krušić, Chitosan-based microparticles for immobilization of TiO <sub>2</sub> nanoparticles and their application for photodegradation of textile dyes, European Polymer Journal 82 (2016) 57-70	M21 (3,485)
175.	P. Jovančić, A. Vilchez, R. Molina, Synthesis of thermo-sensitive hydrogels from free radical copolymerization of NIPAAm with MBA initiated by atmospheric plasma treatment, Plasma Process and Polymers, 13 (2016) 752–760	M21 (2,846)
176.	J. Milanović, K. Mihajlovski, T. Nikolić, M. Kostić, Antimicrobial cotton fibers prepared by TEMPO-mediated oxidation and subsequent silver deposition, Cellulose Chemistry and Technology, 50 (2016) 905–914	M22 (0,763)
177.	A.A. Kocić, D.M. Popović, S.B. Stanković, G.B. Poparić, Uticaj operacije končanja pređe na UV zaštitni faktor pletenina od konoplje, Hemijska industrija, 70 (2016) 319–327	M23 (0,459)
178.	I. S. Stefanović, D. Gođevac, M. Špírková, P. Jovančić, V. Tešević, V. Milačić, M.V. Pergal, Impact of the poly(propylene oxide)-b-poly(dimethylsiloxane)-b-poly-(propylene oxide) macrodiols on the surface-related properties of polyurethane copolymers, Hemijska Industrija, 70 (2016) 725–738	M23 (0,459)
179.	M.N. Krstajić Pajić, S.I. Stevanović, V.V. Radmilović, A. Gavrilović-Wohlmuther, V.R. Radmilović, S.Lj. Gojković, V.M. Jovanović, Shape evolution of carbon supported Pt nanoparticles: From synthesis to application, Applied Catalysis B: Environmental, 196 (2016) 174–184.	M21a (9,446)
180.	M.D. Obradović, Z.M. Stančić, U.Č. Lačnjevac, V.V. Radmilović, A. Gavrilović-Wohlmuther, V.R. Radmilović, S.Lj. Gojković, “Electrochemical oxidation of ethanol on palladium-nickel nanocatalyst in alkaline media”, Applied Catalysis B: Environmental, 189 (2016) 110–118.	M21a (9,446)
181.	S. Naghdi, I. Jevremovic, V. Mišković-Stanković, K.Y. Rhee, Chemical vapour deposition at atmospheric pressure of graphene on molybdenum foil: Effect of annealing time on characteristics and corrosion stability of graphene coatings, Corros. Sci. 113 (2016) 116–125.	M21a (5,245)
182.	R. Surudžić, A. Janković, N. Bibić, M. Vukašinović-Sekulić, A. Perić-Grujić, V. Mišković-Stanković, S.J. Park, K.Y. Rhee, Physico-chemical and mechanical properties and antibacterial activity of silver/poly(vinyl alcohol)/graphene nanocomposites obtained by electrochemical method, Composites Part B: Engineering 85 (2016) 102–112.	M21a (4,727)
183.	T.Y. Zhou, G.C.P. Tsui, J.Z. Liang, S.Y. Zou, C.Y. Tang, V. Mišković-Stanković, „Thermal properties and thermal stability of PP/MWCNT composites“, Compos. Part B Eng. 90 (2016) 107–114.	M21a (4,727)
184.	A.A. Alguail, A.H. Al-Eggiely, M.M. Gvozdenović, B.Z. Jugović, B.N. Grgur, Battery type hybrid supercapacitor based on polypyrrole and lead-lead sulfate, Journal of Power Sources, 313 (2016) 240–246.	M21a (6,395)

185.	B.N. Grgur, B.Z. Jugović, M.M. Gvozdenović, Oxygen reduction on SILAR deposited iron oxide onto graphite felt electrode, <i>Electrochimica Acta</i> , 212 (2016) 254–259.	M21 (4,803)
186.	T.S. Radoman, J.V. Džunuzović, B.N. Grgur, M.M. Gvozdenović, B.Z. Jugović, D.S. Miličević, E.S. Džunuzović, Improvement of the epoxy coating properties by incorporation of polyaniline surface treated TiO <sub>2</sub> nanoparticles previously modified with vitamin B6, <i>Progress in Organic Coatings</i> , 99 (2016) 346–355	M21 (2,632)
187.	W.M. Omymen, A.S. Ebshish, B.Z. Jugović, T.Lj. Trišović, M.M. Gvozdenović, B.N. Grgur, Photoelectrochemical behavior of TiO <sub>2</sub> -NT's modified with SILAR deposited iron oxide, <i>Electrochimica Acta</i> 203 (2016) 136–143	M21 (4,803)
188.	I. D. Vukojc, T. S. Kovač, J. V. Džunuzović, E. S. Džunuzović, D. R. Lončarević, S. P. Ahrenkiel, J. M. Nedeljković, „Photocatalytic Ability of Visible-Light-Responsive TiO <sub>2</sub> Nanoparticles“, <i>Journal of Physical Chemistry C</i> , 120 (2016) 18560-18569	M21 (4,536)
189.	R. Surudžić, A. Janković, M. Mitić, I. Matić, Z.D. Juranić, L. Živković, V. Mišković-Stanković, K.Y. Rhee, S.J. Park, D. Hui, The effect of graphene loading on mechanical, thermal and biological properties of poly(vinyl alcohol)/graphene nanocomposites, <i>Journal of Industrial and Engineering Chemistry</i> , 34 (2016) 250-257.	M21 (4,421)
190.	M.N. Krstajić Pajić, S.I. Stevanović, V.V. Radmilović, J.R. Rogan, V.R. Radmilović, S.Lj. Gojković, V.M. Jovanović, Pt/C nanocatalysts for methanol electrooxidation prepared by water-in-oil microemulsion method, <i>Journal of Solid State Electrochemistry</i> , 20 (2016) 3405–3414.	M22 (2,316)
191.	J. Gulicovski, J. Bajat, B. Jokić, V. Panić, V. Mišković-Stanković, and S. Milonjić, "Protective ability and impedance response of sol–gel reversely transformed ceria conversion coating on aluminium", <i>J. Solid State Electrochem.</i> 20 (2016) 293–303.	M22 (2,316)
192.	M.D. Tomić, B. Dunjić, J.B. Bajat, V. Likić, J. Rogan, J. Djoniagić, "Protective and rheological performances of anticorrosive epoxy/clay nanocoatings", <i>Journal of Coatings Technology and Research</i> , 13 (2016) 439–456.	M22 (1,557)
193.	S.Touazi, M. Bučko, L. Makhlofi, A. Legat, J.B. Bajat, "The electrochemical behaviour of Zn-Mn alloy coating in carbonated concrete solution ", <i>Surface Review and Letters</i> , 23 (2016) 1650030-1650040.	M22 (0,491)
194.	B. Bobić, J. Bajat, I. Bobić, B. Jegdić, Corrosion influence on surface appearance and microstructure of compo cast ZA27/SiCp composites in sodium chloride solution, <i>Trans. Nonferrous Met. Soc. China</i> 26 (2016) 1512–1521.	M22 (1,342)
195.	I. Jevremović, M. Singer, S. Nešić, V. Mišković-Stanković "Electrochemistry of carbon dioxide corrosion mitigation using talloil diethylenetriamine imidazoline as corrosion inhibitor for mild steel", <i>Materials and Corrosion</i> , 67, (2016) 756-768.	M22 (1,260)
196.	A.H. Al-Eggiely , A.A. Alguail , M.M. Gvozdenović , B.Z. Jugović, B.N. Grgur, Zinc Polypyrrole-air Sea Water Battery, <i>International Journal of Electrochemical Science</i> , 11 (2016) 10270 – 10277.	M23 (1,469)
197.	T. Tomković, F. Radovanović, B Grgur, A. Nastasović, D. Vasiljević-Radović, A. Onjia, Novel negatively-charged membrane adsorbers made using combination of photopolymerization and immersion precipitation, <i>Journal of the Serbian Chemical Society</i> , 81 (2016) 419-431	M23 (0,822)
198.	T. Trišović, M. Spasojević, M. Gvozdenović, B. Jugović, L. Rafailović, "Automatski uređaji za elektrohemijuksu dezinfekciju vode sa pothlađivanjem elektolita", <i>Hem. Ind.</i> ,70 (2016) 201-207	M23 (0,459)
199.	A. Jovanović, V. Đorđević, G. Zdunić, K. Šavikin, D. Pljevljakušić, B. Bugarski, Ultrasound-assisted extraction of polyphenols from <i>Thymus serpyllum</i> and its	M23 (0,364)

	antioxidant activity. <i>Hemiska industrija</i> , 70 (2016) 391-398	
200.	A.A. Abdussalam, G.R. Ivaniš, I.R. Radović, M.Lj. Kijevčanin, Densities and derived thermodynamic properties for the (n-heptane + n-octane), (n-heptane + ethanol) and (n-octane + ethanol) systems at high pressures, <i>J. Chem. Thermodynamics</i> , 100 (2016) 89-99	M21 (2,726)
201.	A.M. Stanimirović, E.M. Živković, D.M. Majstorović, M.Lj. Kijevčanin, Transport properties of binary liquid mixtures - candidate solvents for optimized flue gas cleaning processes, <i>J. Serb. Chem. Society</i> , 81 (2016) 1427-1439	M23 (0,822)
202.	B. Balanč, A. Kalušević, I. Drvenica, M.T. Coelho, V. Djordjević, V.D Alves, I. Sousa, M. Moldão-Martins, V. Rakić, V. Nedović, B. Bugarski, Calcium-Alginate-Inulin Microbeads as Carriers for Aqueous Carqueja Extract. <i>Journal of Food Science</i> , 81(2016) E65-E75	M22 (1,816)
203.	B. Balanč, K. Trifković, V. Đorđević, S. Marković, R. Pjanović, V. Nedović, B. Bugarski, Novel resveratrol delivery systems based on alginate-sucrose and alginate-chitosan microbeads containing liposomes. <i>Food Hydrocolloids</i> , 61 (2016) 832–842	M21a (4,747)
204.	B. Todić, L. Nowicki, N. Nikachević, D.B. Bukur, Fischer-Tropsch synthesis product selectivity over an industrial iron-based catalyst: Effect of process conditions, <i>Catalysis Today</i> , 261 (2016), 28-39	M21a (4,636)
205.	B. Vukadinović, I. Popović, B. Dunjić, A. Jovović, M. Vlajić, D. Stanković, Z. Bajić, M. Kijevčanin, Correlation between eco-efficiency measures and resource and impact decoupling for thermal power plants in Serbia, <i>Journal of Cleaner Production</i> , 138 (2016) 264-274	M21a (5,715)
206.	D. Jaćimovski, R. Garić-Grulović, N. Vučetić, R. Pjanović, N. Bošković-Vragolović, Mass transfer and concentration boundary layer in a particulate fluidized bed. <i>Powder Technology</i> , 303 (2016), 68-75.	M21 (2,942)
207.	D. Kostic, S. Vidovic, B. Obradovic, Silver release from nanocomposite Ag/alginate hydrogels in the presence of chloride ions: experimental results and mathematical modeling, <i>Journal of Nanoparticle Research</i> , 18 (2016) 76:1-16	M22 (2,020)
208.	D. Nikolić, A. Seidel-Morgenstern, M. Petkovska ,Periodic Operation with Modulation of Inlet Concentration and Flow Rate. Part I: Nonisothermal Continuous Stirred-Tank Reactor, <i>Chemical Engineering and Technology</i> , 39 (2016), 2020-2028	M22 (2,051)
209.	D. Nikolić, A. Seidel-Morgenstern, M. Petkovska, Periodic Operation with Modulation of Inlet Concentration and Flow Rate. Part II: Adiabatic Continuous Stirred-Tank Reactor, <i>Chemical Engineering and Technology</i> , 39 (2016), 2126-2134	M22 (2,051)
210.	D. Nikolić, M. Petkovska, Evaluation of Performance of Periodically Operated Reactors for Single Input Modulations of General Waveforms, <i>Chemie Ingenieur Technik</i> , 88 (2016), 1715-1722	M23 (0,877)
211.	D. Soldatović, N. Grozdanić, Z. Višak, I. Radović, M. Kijevčanin, Effects of solid poly (ethylene glycols) addition to the solutions of aniline or N,N-dimethylaniline with water: Experimental measurements and modeling, <i>J. Serb. Chem. Society</i> , 81 (2016) 789-798	M23 (0,822)
212.	D.A. Soldatović, J.M. Vuksanović, I.R. Radović, M.Lj. Kijevčanin, Thermodynamic and spectroscopic interpretation of molecular interactions of nicotine + alcohol binary mixtures, <i>J. Chem. Thermodynamics</i> , 102 (2016) 105-129	M21 (2,726)
213.	D.B. Bukur, B. Todić, N.O. Elbashir, Role of Water-Gas-Shift Reaction in Fischer-Tropsch Synthesis on Iron Catalysts: A Review, <i>Catalysis Today</i> , 275 (2016), 66-	M21a (4,636)

	75	
214.	D.M. Majstorović, E.M. Živković, A.D. Mitrović, J.S. Munčan, M.Lj. Kijevčanin, Volumetric and viscometric study with FT-IR analysis of binary systems with diethyl succinate and alcohols, <i>J. Chem. Thermodynamics</i> , 101 (2016) 323–336	M21 (2,726)
215.	E.M. Živković, D.M. Majstorović, J.D. Jovanović, S.P. Šerbanović, M.Lj. Kijevčanin, Densities, viscosities and refractive indices of binary mixtures containing methyl ethyl ketone. Friction theory. New UNIFAC-VISCO and ASOG-VISCO parameter determination, <i>Fluid Phase Equilibria</i> , 417 (2016) 120-136	M21 (2,473)
216.	G.R. Ivaniš, I.R. Radović, V.B. Veljković, M.Lj. Kijevčanin, Biodiesel density and derived thermodynamic properties at high pressures and moderate temperatures, <i>Fuel</i> , 165 (2016) 244-251	M21a (4,601)
217.	G.R. Ivaniš, I.R. Radović, V.B. Veljković, M.Lj. Kijevčanin, Thermodynamic properties of biodiesel and petro-diesel blends at high pressures and temperatures. Experimental and modeling, <i>Fuel</i> , 184 (2016) 277-288	M21a (4,601)
218.	K. Bukara, I. Drvenica, V. Ilić, A. Stančić, D. Mišić, B. Vasić, R. Gajić, D. Vučetić, F. Kiekens, B. Bugarski Comparative studies on osmosis based encapsulation of sodium diclofenac in porcine and outdated human erythrocyte ghosts. <i>Journal of Biotechnology</i> , 240 (2016) 14-22	M22 (2,599)
219.	K. Bukara, L. Schueller, J. Rosier, T. Daems, L. Verheyden, S. Eelen, J.A. Martens, G. Van den Mooter, B. Bugarski, F. Kiekens, In VivoPerformance of Fenofibrate Formulated With Ordered Mesoporous Silica Versus 2-Marketed Formulations: A ComparativeBioavailability Study in Beagle Dogs. <i>Pharmaceutics, Drug Delivery and Pharmaceutical Technology</i> , 105(8) (2016) 2381-2385	M22 (2,713)
220.	K. Bukara, L. Schueller, J. Rosier, M.A. Martens, T. Daems, L. Verheyden, S. Eelen, M. Van Speybroeck, C. Libanati, J.A. Martens, G. Van Den Mooter, F. Frérart, K. Jolling, M. De Gieter, B. Bugarski, F. Kiekens, Ordered mesoporous silica to enhance the bioavailability of poorly water-soluble drugs: Proof of concept in man. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> 108 (2016) 220-225	M21a (4,159)
221.	L.A. Živković, N.M. Nikačević, A method for reactor synthesis based on process intensification principles and optimization of superstructure consisting of phenomenological modules, <i>Chemical Engineering Research and Design</i> , 113 (2016) 189-205	M22 (2,538)
222.	L.A. Živković, A. Pohar, B. Likozar, N.M. Nikačević, Kinetics and reactor modeling for CaO sorption-enhanced high-temperature water-gas-shift (SE-WGS) reaction for hydrogen production, <i>Applied Energy</i> , 178 (2016) 844-855	M21a (7.182)
223.	M. Belovic, I. Pajic-Lijakovic, A. Torbica, J. Mastilovic, I. Pecinar The influence of concentration and temperature on the viscoelastic properties of tomato pomace dispersions. <i>Food Hydrocolloids</i> 61 (2016) 617-624.	M21a (5.089)
224.	M. Đuriš, T. Kaluđerović Radojičić, Z. Arsenijević, R. Garić-Grulović, Ž. Grbavčić Prediction of bed expansion of polydisperse quartz sand mixtures fluidized with water, <i>Powder Tech.</i> , 289 (2016) 95-103	M21 (2,947)
225.	M. Đuriš, Z. Arsenijević, D. Jaćimovski, T. Kaluđerović Radojičić, Optimal pixel resolution for sand particles size and shape analysis, <i>Powder Tech.</i> , 302 (2016) 177-186	M21 (2,947)
226.	M.M. Perić, M.S. Komatina, B.M. Bugarski, D.Lj. Antonijević, Best Practices of Biomass Energy Life Cycle Assessment and Possible Applications in Serbia. <i>Croatian Journal of Forest Engineering</i> , 37(2) (2016) 375-390	M22 (1,415)
227.	M.M. Zarić, B. Bugarski, M.Lj. Kijevčanin, Interactions of Molecules with cis and	M21

	trans Double Bonds: A Theoretical Study of cis and trans-2-Butene. Chemphyschem, 17 (2016) 317-324	(3,075)
228.	N. Ćujić, K. Trifković, B. Bugarski, S. Ibrić, D. Pljevljakušić, K. Šavikin, Chokeberry (Aronia melanocarpa L.) extract loaded in alginate and alginate/inulin system. Industrial Crops and Products, 86 (2016) 120–131	M21a (2,837)
229.	N. Mihailovic-Stanojevic, Z. Miloradović, M. Ivanov, B. Bugarski, Đ. Jovović, D. Karanović, U.-J. Vajić, D. Komes, J. Grujić-Milanović, Upregulation of Heme Oxygenase-1 in Response to Wild Thyme Treatment Protects against Hypertension and Oxidative Stress. Oxidative Medicine and Cellular Longevity 2016 (2016), 1458793	M21 (4,953)
230.	P. Petrović, J. Vunduk, A. Klaus, M. Kozarski, M. Nikšić, Ž. Žižak, Nebojša Vuković, Gavrilo Šekularac, Saša Drmanić, Branko Bugarski. Biological potential of puffballs: A comparative analysis. Journal of Functional Foods, 21 (2016) 36-49	M21a (3,973)
231.	S. Cvetković, T. Kaluđerović Radoičić, R. Kragić, M. Kijevčanin, Electricity production from biogas in Serbia – assesment of emissions reduction, Thermal Science 20(4) (2016) 1333-1344	M23 (1,093)
232.	S. Cvetković, T. Kaluđerović Radoičić, B. Vukadinović, M Kijevčanin, A life cycle energy assessment for biogas energy in Serbia, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 38 (2016) 3095-3102	M23 (0,527)
233.	SY Alnouri, P Linke, M Stijepovic, M El-Halwagi, On the identification of optimal utility corridor locations in interplant water network synthesis, Environmental Progress & Sustainable Energy 35, (2016), 1492-1511	M22 (1,596)
234.	Z.R. Lopičić, M.D. Stojanović, S.B. Marković, J.V. Milojković, M.L. Mihajlović, T.S. Kaluđerović Radoičić, M.L.J. Kijevčanin, Effects of different mechanical treatments on structural changes of lignocellulosic waste biomass and subsequent Cu(II) removal kinetics, Arabian Journal of Chemistry, <a href="https://doi.org/10.1016/j.arabjc.2016.04.005">https://doi.org/10.1016/j.arabjc.2016.04.005</a>	M21 (4,553)
235.	Ana Zeković, Slavik Jablan, Louis Kauffman, Radmila Sazdanovic, Marko Stošić, <i>Unknotting and maximum unknotting numbers</i> , Journal of Knot Theory and its Ramifications, 25 (2016) 43 doi: 10.1142/S0218216516020028,	M23 (0,453)
236.	S. Ostojic, R. Sasic, A simple model of current-voltage characteristic for surrounding gate short-channel nanowire MOSFET, Optoelectronics and Advanced Materials-Rapid Communications, 10 (2016) 50-54	M23 (0,47)
237.	Kopanja Lazar, Kralj Slavko, Zunic Dragisa, Loncar Boris, Tadic Marin,, Core-shell superparamagnetic iron oxide nanoparticle (SPION) clusters: TEM micrograph analysis, particle design and shape analysis, Ceramics International, vol. 42 (2016) 10976-10984	M21 (3,187)
238.	Kopanja Lazar, Zunic Dragisa, Loncar Boris, Gyergyek Saso, Tadic Marin , Quantifying shapes of nanoparticles using modified circularity and ellipticity measures, MEASUREMENT 92 (2016) 252-263	M21 (2,791)
239.	Stankovic Koviljka, Brajovic Dragan, Alimpijevic Malisa, Loncar Boris, Long-term deconditioning of gas-filled surge arresters, Radiation Effects And Defects In Solids, 171 (2016) 678-691	M23 (0,636)
240.	Fetahovic Irfan, Dolicanin Edin, Loncar Boris, Kartalovic Nenad, Reliability of Computer Memories in Radiation Environment, Nuclear Technology & Radiation Protection, 31 (2016) 240-246	M23 (0,614)
241.	Irena Živković, Cristiano Fragassa, Ana Pavlović, Tommaso Brugo, Influence of moisture absorption on the impact properties of flax, basalt and hybrid flax/basalt fiber reinforced green composites, Composites Part B: Engineering 111, (2016) 148–164	M21a (4,727)

242.	Brajovic, L.M., Stojanovic, D.B., Mihailovic, P., Markovic, S.B., Romcevic, M., Mitric, M., Lazovic, V., Dramlic, D., Petricevic, S., Romcevic, N. Preparation and characterization of bismuth germanium oxide (BGO) polymer composites, <i>Journal of Alloys and Compounds</i> , 695 (2017), 841-849	M21a (3,133)
243.	Ivana M. Radovic, Dusica B. Stojanovic, Aleksandar Kojovic, Milos Petrovic, Petar S. Uskokovic, Vesna J. Radojevic, and Radoslav R. Aleksic. Electrospun Poly(Styrene) Fibers as a Protection for the First and the Second Generation Grubbs' Catalyst, - <i>Polymer-Plastics Technology and Engineering</i> , Decembar 2016, ISSN: 0360-2559 (IF 1.511, Polymer science, 47/85) DOI: 10.1080/03602559.2016.1260734.	M22 (1,232)
244.	Ivana M Radovic, Dusica B Stojanovic, Aleksandar Kojovic, Milos Petrovic, Petar S Uskokovic, Vesna J Radojevic, Radoslav R Aleksic. Healing efficiency of polystyrene electrospun nanofibers with Grubbs catalyst in thermosetting composite, - <i>Journal of Composite Materials</i> , Decembar 2016, (IF 1.242, Materials Science, Composites 11/25) DOI: 10.1177/0021998316681832	M22 (1,494)
245.	Hana Ibrahim Elswie, Zorica Ž. Lazarević, Vesna Radojević, Martina Gilić, Maja Rabasović, Dragutin Šević, Nebojša Ž. Romčević, The Bridgman Method Growth and Spectroscopic Characterization of Calcium Fluoride Single Crystals, <i>Science of Sintering</i> , 48, (2016) 333-341	M22 (0,736)
246.	Radojković, B., Ristić, S., Polić, S., Jančić-Heinemann, R., Radovanović, D., Preliminary investigation on the use of the Q-switched Nd: YAG laser to clean corrosion products on museum embroidered textiles with metallic yarns, <i>Journal of Cultural Heritage</i> , (2016), ISSN: 1296-2074, DOI: 10.1016/j.culher.2016.07.001	M22 (1,838)
247.	Elswie Hana Ibrahim, Kostic Slobodanka, Radojevic Vesna J, Romcevic Nebojsa Z, Hadzic Branka B, Trajic Jelena M, Lazarevic Zorica, Growth, characterization and optical quality of calcium fluoride single crystals grown by the Bridgman method, <i>Optoelectronics and Advanced Material: Rapid Communications</i> , 10 (2016) 522-525	M23 (0,470)
248.	B. Radojković, S. Ristić, S. Polić and R. Jančić-Heinemann, Surface Modification of Aqueduct Ceramics Induced by Nd:Yag Pulsed Laser Treatment, <i>LIE 36. Lasers in Engineering</i> , 4-6, (2017) 373-390	M23 (0,214)
249.	Matovic Branko, Z Zivic Fatima, T Mitrovic Slobodan R, Prsic Dragan H Maksimovic Vesna M Volkov-Husovic Tatjana D, Kumar Ravi Daneu Nina , Ultra-high pressure densification and properties of nanostructured SiC, <i>MATERIALS LETTERS</i> , 164 (2016) 68-71	M22 (2,572)
250.	Александра Р Нешинћ, Маја Ј Кокунешоски , Татјана Ђ Волков- Хусовић, Сава Ј Величковић, New method for quantification of dye sorption using SBA mesoporous silica as a target sorbent, <i>ENVIRONMENTAL MONITORING AND ASSESSMENT</i> , 3 (2016) 188	M22 (1,687)
251.	Мира Џоцић, Миховил Логар, Бранко Матовић, Снежана Девић, Татјана Хусовић-Волков, Саша Џоцић, Виша Тасић, Final flotation waste kinetics of sintering at different heating regimes, <i>Science of Sintering</i> 48 (2016) 197-208	M22 (0,834)
252.	Сања П Мартиновић., Милица М Влаховић., Јелена Б Мајстровић., Татјана Ђ Волков-Хусовић., Anisotropy analysis of low cement concrete by ultrasonic measurements and image analysis, <i>Science of Sintering</i> 48 (2016) 57-70	M22 (0,834)
253.	T.Radetić, M.Popović, B.Jegdić, E.Romhanji, "Influence of annealing temperature on sensitization behaviour and corrosion properties of an Al-6.8 wt% Mg alloy", <i>Materials and Corrosion</i> , 67 (2016) 867-875	M22 (1,26)
254.	E.Romhanji, T.Radetić, M.Popović, "Homogenization of an Al-Mg Alloy and Alligatoring Failure Part I: Alloy Ductility and Fracture", <i>Materiali in Tehnologije/</i>	M23 (0,436)

	<i>Materials and Technology</i> , 50 (2016) 403-407	
255.	E.Romhanji, T.Radetić, M.Popović, "Homogenization of an Al-Mg Alloy and Alligatoring Failure Part II: Influence of the Microstructure", <i>Materiali in Tehnologije/ Materials and Technology</i> , 50 (2016) 531-536	M23 (0,436)
256.	M.R. Vranjes, J.Z. Kuljanin-Jakovljevic, Z. Konstantinovic, A. Pomar, P. Ahrenkiel Scott, T. Radetic, M.M. Stoiljkovic, M.N. Mitric, Z.V. Saponjic , Room temperature ferromagnetism in Cu <sup>2+</sup> doped TiO <sub>2</sub> nanocrystals: The impact of their size, shape and dopant concentration, <i>Materials Research Bulletin</i> , 76 (2016) 100-106	M22 (2,873)
257.	V. Manojlović, Ž. Kamberović, M. Sokić, M. Gavrilovski, M. Korać, Designing of Synergistic Waste Mixtures for Multiphase Reactive Smelting, <i>Metals</i> , 6 (2016) 138	M21 (1,984)
258.	A. Spasić, J. Jovanović, V. Manojlović, M. Jovanovic, Breaking of double emulsions based on electrohydrodynamics principles, <i>Journal of Colloid and Interface Science</i> , 479 (2016) 165-172	M21 (4,233)
259.	M. Sokić, I. Ilić, V. Manojlović, B. Marković, Z. Gulišija, M. Pavlović, N. Šrbac, Modelling and Predicting of end of Life Vehicles Number Distribution in Serbia, <i>Acta Polytechnica Hungarica</i> , 13, 4 (2016) 159-172	M23 (0,745)
300.	R.Gligorijević, M.Vilotijević, M.Šćepanović, N.Vuković, N.Radović, Substrate Preheating and structural properties of power plasma sprayed hydroxyapatite coatings, <i>Ceramics International</i> 42 (2016) 411-420	M21 (2,758)
301.	E.Hutli, M.Nedeljkovic, N.Radovic, A.Bonyár, The Relation between the High Speed Submerged Cavitating Jet Behavior and the Cavitation Erosion Process, <i>International Journal of Multiphase Flow</i> (2016) ISSN: 0301-9322 doi: 10.1016/j.ijmultiphaseflow.2016.03.005	M21 (2,250)
302.	E.Hutli, M.Nedeljkovic, A.Bonyár, N.Radovic, V.Lalic, A.Debeljkovic, The Ability of Using the Cavitation Phenomenon as a Tool to Modify the Surface Characteristics in Micro and in Nano Level, <i>Tribology International</i> 101 (2016) 88-97	M21 (2,259)
303.	B.Gligorijević, M.Vilotijević, M.Šćepanović, D.Vidović, N.Radović, Surface Structural Heterogeneity of High power plasma-sprayed hydroxyapatite coatings, <i>Journal of Alloys and Compounds</i> 687 (2016) 421-430	M21 (3,014)
304.	M. Sokić, V. Matković, J. Stojanović, B. Marković, V. Manojlović, Kinetics of barite reduction from refractory barite-sulphide ore, <i>Metallurgical and Materials Engineering</i> , 22, 4 (2016) 261-268	M24
305.	M. Sokić, V. Matković, B. Marković, V. Manojlović, N. Šrbac, D. Živković, Ž. Kamberović, Complex sulphide-barite ore leaching in ferric chloride solution, <i>Metallurgical and Materials Engineering</i> , 22, 2 (2016) 81-90	M24

## 2017

Р.Б.	Радови (на СЦИ/ ССЦИ листи) у научним часописима са званичне листе ресорног министарства за науку у сладу са захтевима допунских стандарда за дато поље (аутори, назив рада, часопис, година, волумен и стране од-до)	М (IF)
1.	D.Z. Antanasijević, V.V. Pocajt, M.Đ. Ristić, A.A. Perić-Grujić, A differential multi-criteria analysis for the assessment of sustainability performance of European countries: Beyond country ranking, <i>Journal of Cleaner Production</i> , 165 (2017) 213-220	M21a (5,715)

2.	L.J. Stamenković, D.Z. Antanasijević, M.Đ. Ristić, A.A. Perić-Grujić, V.V. Pocajt, Prediction of nitrogen oxides emissions at the national level based on optimised artificial neural network model, <i>Air Quality, Atmosphere and Health</i> , 10 (2017) 15-23	M21 (3,184)
3.	V.M. Adamović, D.Z. Antanasijević, M.Đ. Ristić, A.A. Perić-Grujić, V.V. Pocajt, Prediction of municipal solid waste generation using artificial neural network approach enhanced by structural break analysis, <i>Environmental Science and Pollution Research</i> , 24 (2017) 299-311	M21 (2,760)
4.	R.D Surudžić, A.D Janković, M.S Vukašinović-Sekulić, A.A Perić-Grujić, R.K. Yop, V.B. Mišković-Stanković, Optimization of the electrochemical synthesis of silver nanoparticles in poly(vinyl alcohol) colloid solutions, <i>Bulgarian Chemical Communications</i> 49 (2017) 186-193	M23 (0,238)
5.	Aleksandra Nešić, Antonije Onjia, Sladjana Davidović, Suzana Dimitrijević, Maria Emanuela Errico, Gabriella Santagata, Mario Malinconico, Design of pectin-sodium alginate based films for potential healthcare application: Study of chemico-physical interactions between the components of films and assessment of their antimicrobial activity, <i>Carbohydrate polymers</i> 157 (2017) 981-990	M21a (6,044)
6.	Aleksandra Nešić, Jovana Ružić, Milan Gordić, Sanja Ostojić, Darko Micić, Antonije Onjia, Pectin-polyvinylpyrrolidone films: A sustainable approach to the development of biobased packaging materials, <i>Composites Part B: Engineering</i> 110 (2017) 56-61	M21a (6,864)
7.	Bojana Marković, Zorica Vuković, Vojislav Spasojević, Vladan Kusigerski, Vladimir Pavlović, Antonije Onjia, Aleksandra Nastasović, Selective magnetic GMA based potential sorbents for molybdenum and rhenium sorption, <i>Journal of Alloys and Compounds</i> , vol. 705 (2017) 38-50.	M21 (3,133)
8.	Maja B Đolić, Vladana N Rajaković-Ognjanović, Svetlana B Šrbac, Suzana I Dimitrijević, Miodrag N Mitić, Antonije Onjia, Ljubinka V Rajaković, Natural sorbents modified by divalent Cu <sup>2+</sup> -and Zn <sup>2+</sup> -ions and their corresponding antimicrobial activity, <i>New biotechnology</i> 39 (2017) 150-159.	M21 (3,949)
9.	Bojana M Marković Ivan S Stefanović Radmila V Hercigonja Marija V Pergal Jelena P Marković Antonije Onjia Aleksandra B Nastasović, Novel hexamethylene diamine-functionalized macroporous copolymer for chromium removal from aqueous solutions, <i>Polymer International</i> , 66 (2017) 679-689.	M22 (2,288)
10.	Ljiljana Suručić, Goran Janjić, Aleksandra Rakić, Aleksandra Nastasović, Aleksandar Popović, M. Milčić, Antonije Onjia, Theoretical modeling of sorption of metal ions on amino-functionalized macroporous copolymer in aqueous solution, <i>Journal of Molecular Modeling, Journal of Molecular Modeling</i> , 25 (2019) 177.	M22 (2,352)
11.	Stefan Stupar, Branimir Grgur, Antonije Onjia, Dušan Ž Mijin, Direct and Indirect Electrochemical Degradation of Acid Blue 111 Using IrOX Anode, <i>International Journal of Electrochemical Science</i> 12 (2017) 8564-8577	M23 (1,45)
12.	Žaklina Todorović, Ljubinka Rajaković, Antonije Onjia, Modelling of cations retention in ion chromatography with methanesulfonic acid as eluent, <i>Hemiska industrija</i> 71 (2017) 27-33.	M23 (0,566)
13.	Z. Sekulić, D. Atanasijević, S. Stevanović, K. Trivunac, Application Of Artificial Neural Networks For Estimating Cd, Zn, Pb Removal Efficiency From Wastewater Using Complexation-Microfiltration Process, <i>International Journal of Environmental Science And Technology</i> 14 (2017) 1383-1396	M22 (2,037)
14.	Snežana S. Nenadović, Ljiljana M. Kljajević, Maja A. Nešić, Marijana Ž. Petković, Katarina V. Trivunac, Vladimir B. Pavlović, Structure analysis of geopolymers	M22 (1,569)

	synthesized from clay originated from Serbia, Environmental Earth Science (2017) 76:79	
15.	M. V. Vasic, Lato Pezo, J. Zdravkovic, S. Stankovic, Z. Radojevic, Comprehensive approach to the influence of frequently used secondary raw materials on clay bricks quality using mathematical modeling (a systematic review), Review article, Ceramics International, 44 (2017) 1269-1276	M21a (2,986)
16.	Petrovic S. M., Sostaric D.T., Stojanovic D. M., Petrovic T. J., Mihajlovic M., Cosovic R. A., Stankovic M. S., Mechanism of adsorption of Cu <sup>2+</sup> and Zn <sup>2+</sup> on the corn silk ( <i>Zea mays</i> L.), Ecological Engineering 99 (2017) 83-90	M21 (3,422)
17.	Daniel M. Mijailović, Marija M. Vukčević, Zoran M. Stević, Ana M. Kalijadis, Dušica B. Stojanović, Vladimir V. Panić, Petar S. Uskoković, Supercapacitive Performances of Activated Highly Microporous Natural Carbon Macrofibers, Journal of The Electrochemical Society 164 (2017) A1061-A1068.	M21 (3,662)
18.	Bojana Lalović, Tatjana Đurkić, Marija Vukčević, Ivona Janković-Častvan, Ana Kalijadis, Zoran Laušević, Mila Laušević, Solid-phase extraction of multi-class pharmaceuticals from environmental water samples onto modified multi-walled carbon nanotubes followed by LC-MS/MS, Environmental Science and Pollution Research 24 (2017) 20784–20793.	M22 (2,800)
19.	Vukčević Marija M., Pejić Biljana M., Pajić-Lijaković Ivana S., Kalijadis Ana M., Kostić Mirjana M., Laušević Zoran V., Laušević Mila D, Influence of the precursor chemical composition on heavy metal adsorption properties of hemp ( <i>Cannabis Sativa</i> ) fibers based biocarbon, Journal of the Serbian Chemical Society 82 (2017) 1417-1431.	M23 (0,822)
20.	Ana M. Dugandžić, Andelka V. Tomašević, Marina M. Radišić, Nataša Ž. Šekuljica, Dušan Ž. Mijin, Slobodan D. Petrović, Effect of inorganic ions, photosensitisers and scavengers on the photocatalytic degradation of nicosulfuron, Journal Of Photochemistry And Photobiology A-Chemistry, 336 (2017) 146-155	M22 (2,891)
21.	Srđan Kovačević, Marina Radišić, Mila Laušević, Milan Dimkić, Occurrence and behavior of selected pharmaceuticals during riverbank filtration in The Republic of Serbia, Environmental Science And Pollution Research, vol. 24 Issue 2 (2017) str. 2075-2088	M22 (2,800)
22.	Andelka Tomašević, Dušan Mijin, Aleksandar Marinković, Marina Radišić, Nevena Prlainović, Rada Đurović-Pejčev, Slavica Gašić, The photocatalytic degradation of carbofuran and Furadan 35-ST: the influence of inert ingredients, Environmental Science And Pollution Research, 24 (2017) 13808-13822	M22 (2,800)
23.	K. D. Radosavljević, A. V. Golubović, M. M. Radišić, A. R. Mladenović, D. Ž. Mijin, S. D. Petrović, Amoxicillin Photodegradation by Nanocrystalline TiO <sub>2</sub> , Chemical Industry & Chemical Engineering Quarterly, 23 (2017) 187-195	M23 (0,944)
24.	Srđan Kovačević, Marina Radišić, David Mitrinović, Predrag Vojt, Nevena Živančev, Tracer test and behavior of selected pharmaceuticals, Water Science And Technology-Water Supply, 17 (2017) 1043-1052	M23 (0,674)
25.	A.V. Buntić, M.D. Pavlović, D.G. Antonović, S.S. Šiler-Marinković, S.I. Dimitrijević-Branković, A treatment of wastewater containing basic dyes by the use of new strain <i>Streptomyces microflavus</i> CKS6, Journal of Cleaner Production, 148 (2017) 347-354	M21a (5,651)
26.	S. Dimitrijević, M. Pavlović, S. Maksimović, M. Ristić, V. Filipović, D. Antonović, S. Dimitrijević-Branković, Plant growth promoting bacteria elevate the nutritional and functional properties of Black cumin and Flaxseed fixed oil, Journal of The Science of Food and Agriculture, 98 (2017) 1584-1590	M21a (2,379)
27.	I. Malagurski, S. Lević, M. Pantić, D. Matijašević, M. Mitrić, V. Pavlović, S.	M21a

	Dimitrijević-Branković, Synthesis and antimicrobial properties of Zn-mineralized alginate nanocomposites, <i>Carbohydrate Polymers</i> , 165 (2017) 313 - 321	(5,158)
28.	A.Buntić, M. Pavlović, D. Antonović, V. Pavlović, D. Vrućinić, S. Šiler-Marinković, S. Dimitrijević-Branković, Customizing the spent coffee for <i>Trichoderma reesei</i> cellulase immobilization by modification with activating agents, <i>International Journal of Biological Macromolecules</i> , 107: B (2017) 1856-1863	M21 (3,909)
29.	S. Davidović, V. Lazić, I. Vukoje, J. Papan, S. Ahrenkiel, S. Dimitrijević-Branković, J. Nedeljković, Dextran coated silver nanoparticles — Chemical sensor for selective cysteine detection, <i>Colloids and Surfaces B-Biointerfaces</i> , 160 (2017) 184 - 191	M21 (3,997)
30.	I. Vukoje, E. Džunuzović, D. Lončarević, S. Dimitrijević-Branković, S. Ahrenkiel, J. Nedeljković, Synthesis, Characterization, and Antimicrobial Activity of Silver Nanoparticles on Poly(GMA-co-EGDMA)Polymer Support, <i>Polymer Composites</i> , 38 (2017) 1206 - 1214	M22 (1,943)
31.	I. Malagurski, S. Lević, M. Mitić, V. Pavlović, S. Dimitrijević-Branković, Bimetallic alginate nanocomposites: New antimicrobial biomaterials for biomedical application, <i>Materials Letters</i> , 212 (2017) 32 - 36	M22 (2,687)
32.	B. D. Krezović, M. G. Miljković, S. T. Stojanović, S. J. Najman, J. M. Filipović, S. Lj.Tomić, Structural, thermal, mechanical, swelling, drug release, antibacterial and cytotoxic properties of P(HEA/IA)/PVP semi-IPN hydrogels, <i>Chemical Engineering Research and Design</i> , 121 (2017) 368-380	M22 (3,230)
33.	D. Lončarević, I. Vukoje, J. Dostanić, A. Bjelajac, V. Đorđević, S. Dimitrijević-Branković, J. Nedeljković, Antimicrobial and Photocatalytic Abilities of Ag <sub>2</sub> CO <sub>3</sub> Nano-Rods, <i>Chemistry Select</i> , 2 (2017) 2931 - 2938	M23 (1,505)
34.	S. Dimitrijević, D. Radanović, S. Antić Mladenović, M. Milutinović, M. Rajilić-Stojanović, S. Dimitrijević-Branković, Enhanced fertilization effect of a compost obtained from mixed herbs waste inoculated with novel strains of mesophilic bacteria, <i>Hemiska industrija</i> , 71 (2017) 503 - 513	M23 (0,591)
35.	M. Miljković, S. Davidović, S. Kralj, S. Šiler-Marinković, M. Rajilić-Stojanović, S. Dimitrijević-Branković, Characterization of dextranucrase from <i>Leuconostoc mesenteroides</i> T3, water kefir grains isolate, <i>Hemiska Industrija</i> , 71 (2017) 351 - 360	M23 (0,591)
36.	J. Trbojević Ivić, N. Milosavić, A. Dimitrijević, M. Gavrović Jankulović, D. Bezbradica, D. Kolarski, D. Veličković. Synthesis of medium-chain length capsinoids from coconut oil catalyzed by <i>Candida rugosa</i> lipases, <i>Food Chemistry</i> , 218 (2017) 505-508	M21a (4,946)
37.	M. Čorović, A. Milivojević, M. Carević, K. Banjanac, S. Jakovetić Tanasković, D. Bezbradica. Batch and semicontinuous production of L-ascorbyl oleate catalyzed by CALB immobilized onto Purolite® MN10, <i>Chemical Engineering Research &amp; Design</i> , 126 (2017) 161-171	M21 (2,795)
38.	A. Milivojević, M. Čorović, M. Carević, K. Banjanac, Lj. Vujisić, D. Veličković, D. Bezbradica. Highly efficient enzymatic acetylation of flavonoids: Development of solvent-free process and kinetic evaluation, <i>Biochemical Engineering Journal</i> , 128 (2017) 106-115	M21 (2,892)
39.	M. Carević, K. Banjanac, A. Milivojević, M. Čorović, D. Bezbradica. Optimization of galacto-oligosacharides synthesis using response surface methodology, <i>Food and Feed Research</i> , 44 (2017) 1-10	M24
40.	M.B. Elmali madi, J.R. Jovanović, A.B. Stefanović, S. Jakovetić Tanasković, S.B. Djurović, B.M. Bugarski, Z.D. Knežević-Jugović, Controlled enzymatic hydrolysis	M21a (3,849)

	for improved exploitation of the antioxidant potential of wheat gluten. Industrial Crops and Products, 109 (2017) 548-557.	
41.	A.A. Salim, S. Grbavčić, N. Šekuljica, A. Stefanović, S. Jakovetić Tanasković, N. Luković, Z. Knežević-Jugović, Production of enzymes by a newly isolated <i>Bacillus</i> sp. TMF-1 in solid state fermentation on agricultural by-products: The evaluation of substrate pretreatment methods. <i>Bioresource Technology</i> , 228 (2017) 193-200.	M21a (5,807)
42.	S. Jakovetić Tanasković, B. Jokić, S. Grbavčić, I. Drvenica, N. Prlainović, N. Luković, Z. Knežević-Jugović, Immobilization of <i>Candida antarctica</i> lipase B on kaolin and its application in synthesis of lipophilic antioxidants. <i>Applied Clay Science</i> , 135 (2017) 103-111.	M21 (3,641)
43.	A.B. Stefanović, J.R. Jovanović, M.B. Dojčinović, S.M. Lević, V.A. Nedović, B.M. Bugarski, Z.D. Knežević-Jugović, Effect of the Controlled High-Intensity Ultrasound on Improving Functionality and Structural Changes of Egg White Proteins. <i>Food and Bioprocess Technology</i> , 10 (2017) 1224-1239.	M21 (2,998)
44.	D. Bezbradica, M. Čorovic, S. Jakovetić Tanasković, N. Luković, M. Carević, A. Milivojević, Z. Knežević-Jugović, Enzymatic syntheses of esters - Green chemistry for valuable food, fuel and fine chemicals. <i>Current Organic Chemistry</i> , 21 (2017) 104-138.	M22 (2,193)
45.	M.B. Elmali madi, A.B. Stefanović, N.Ž. Šekuljica, M.G. Žuža, N.D. Luković, J.R. Jovanović, Z.D. Knežević-Jugović, The synergistic effect of heat treatment on alcalase-assisted hydrolysis of wheat gluten proteins: Functional and antioxidant properties. <i>Journal of Food Processing and Preservation</i> , 41 (2017) e13207.	M22 (1,510)
46.	M.G. Žuža, N.Z. Milašinović, M.M. Jonović, J.R. Jovanović, M.T. Kalagasicidis Krušić, B.M. Bugarski, Z.D. Knežević-Jugović, Design and characterization of alcalase-chitosan conjugates as potential biocatalysts. <i>Bioprocess and Biosystems Engineering</i> , 40 (2017) 1713-1723.	M22 (2,139)
47.	D.Ž. Mijin, M.M. Radišić, N.Ž. Šekuljica, B.N. Grgur, Electrochemical decolorization of C.I. Acid Orange 3 in the presence of sodium chloride at iridium oxide electrode. <i>Chemical Papers</i> , 71 (2017) 2173-2184.	M22 (0,963)
48.	G Cammarota, G Ianiro, H Tilg, M Rajilić-Stojanović, P Kump, R Satokari, H Sokol, P Arkkila, C Pintus, A Hart, J Segal, M Alois, L Masucci, A Molinaro, F Scaldaferrri, G Gasbarrini, A Lopez-Sanroman, A Link, P de Groot, WM de Vos, C Högenauer, P Malfertheiner, E Mattila, T Milosavljević, M Nieuwdorp, M Sanguinetti, M Simren, A Gasbarrini: European consensus conference on faecal microbiota transplantation in clinical practice. <i>Gut</i> 66 (2017) 569-580	M21a (17.943 )
49.	M Grkovic, DB Stojanovic, VB Pavlovic, M Rajilić-Stojanović, M Bjelović, PS Uskoković: Improvement of mechanical properties and antibacterial activity of crosslinked electrospun chitosan/poly (ethylene oxide) nanofibers. <i>Composites Part B: Engineering</i> 121 (2017) 58-67	M21a (6.864)
50.	T.Z. Krunic, N.S. Obradovic, M.L. Bulatovic, M.S. Vukašinovic Sekulic, K. Trifkovic, M.B. Rakin. Impact of carrier material on fermentative activity of encapsulated yoghurt culture in whey based substrate, <i>Hemisjska industrija</i> , 71 (2017) 41–48.	M23 (0.591)
51.	S. Nikolić, V. Lazić, Đ. Veljović, L. Mojović, Production of bioethanol from pre-treated cotton fabrics and waste cotton materials, <i>Carbohydrate Polymers</i> , 164 (2017) 136-144.	M21a (5,158)
52.	J. Pejin, M. Radosavljević, S. Kocić-Tanackov, D. Mladenović, A. Đukić-Vuković, L. Mojović, Fed-batch L-(+)-lactic acid fermentation of brewer's spent grain hydrolysate, <i>Journal of the Institute of Brewing</i> , 123 (2017) 537-543.	M22 (1,017)
53.	J. Pejin, M. Radosavljević, S. Kocić-Tanackov, A. Đukić-Vuković, L. Mojović,	M22

	Lactic acid fermentation of brewer's spent grain hydrolysate by <i>Lactobacillus rhamnosus</i> with yeast extract addition and pH control, Journal of the Institute of Brewing, 123 (2017) 98-104.	(1,017)
54.	S. Kocić-Tanackov, G. Dimić, L. Mojović, J. Gvozdanović-Varga, A. Đukić-Vuković, V. Tomović, B. Šojić, J. Pejin, Antifungal Activity of the Onion ( <i>Allium cepa</i> L.) Essential Oil Against <i>Aspergillus</i> , <i>Fusarium</i> and <i>Penicillium</i> Species Isolated from Food. Journal of Food Processing and Preservation, 41 (2017) e13050.	M23 (0,894)
55.	V.V. Radmilović, C. Carraro, P.S. Uskoković, V.R. Radmilović, Structure and Properties of Polymer Nanocomposite Films with Carbon Nanotubes and Graphene, Polymer Composites 38 (2017), E490-E497.	M22 (2,324)
56.	Nebojša D. Nikolić, Predrag M. Živković, Jelena D. Lović, Goran Branković, Application of the general theory of disperse deposits formation in an investigation of mechanism of zinc electrodeposition from the alkaline electrolytes, <i>Journal of Electroanalytical Chemistry</i> , 785 (2017) 65–74	M22 (3,235)
57.	Nikolic N. D., Živkovic, P.M., Brankovic, G., Pavlovic, M.G., Estimation of the exchange current density and comparative analysis of morphology of electrochemically produced lead and zinc deposits, <i>Journal of the Serbian Chemical Society</i> , 82 (2017) 539-550	M23 (0,797)
58.	Radovic, I.M., Stojanovic, D.B., Kojovic, A., Petrovic, M., Uskokovic, P.S., Radojevic, V.J., Aleksic, R.R., Healing efficiency of polystyrene electrospun nanofibers with Grubbs' catalyst in thermosetting composite, <i>Journal of Composite Materials</i> , 51 (2017) 3003-3016	M22 (1,613)
59.	Simić, D.M., Stojanović, D.B., Brzić, S.J., Totovski , L., Uskoković, P.S., Aleksić, R.R., Aramid hybrid composite laminates reinforced with inorganic fullerene-like tungsten disulfide nanoparticles, <i>Composites Part B: Engineering</i> , 123 (2017) 10-18	M21a (4,920)
60.	Radovic, I.M., Stojanovic, D.B., Kojovic, A., Petrovic, M., Uskokovic, P.S., Radojevic, V.J., Aleksic, R.R., Electrospun Poly(styrene) Fibers as a Protection for the First- and the Second-Generation s' Catalyst, <i>Polymer: Plastics Technology and Engineering</i> , 56 (2017). 1188-1195	M22 (1,655)
61.	Alzarrug, F.A., Stojanovic, D.B., Obradovic, V., Kojovic, A., Nedeljkovic, J.M., Rajilic-Stojanovic, M., Uskokovic, P.S., Multiscale characterization of antimicrobial poly(vinyl butyral)/titania nanofibrous composites, <i>Polymers for Advanced Technologies</i> , 28 (2017) 909-914	M22 (2,137)
62.	Krstić, M., Radojević, M., Stojanović, D., Radojevic, V., Uskoković, P., Ibrić, S., Formulation and characterization of nanofibers and films with carvedilol prepared by electrospinning and solution casting method, <i>European Journal of Pharmaceutical Sciences</i> , 101 (2017) 160-166	M21 (3,773)
63.	El-Swie, H., Radovic, I., Stojanovic, D.B., Sevic, D.M., Rabasovic, M.S., Uskokovic, P., Radojevic, V., Fluorescence, thermal and mechanical properties of PMMA-CdSe QD film, <i>Journal of Optoelectronics and Advanced Materials</i> , 19 (2017) 228-233	M23 (0,449)
64.	Tasić, A., Rusmirović, J.D., Nikolić, J., Božić, A., Pavlović, V., Marinković, A.D., Uskoković, P.S., Effect of the vinyl modification of multi-walled carbon nanotubes on the performances of waste poly(ethylene terephthalate)-based nanocomposites, <i>Journal of Composite Materials</i> , 51 (2017) 491-505	M22 (1,613)
65.	Obradović, V., Stojanović, D.B., Jokić, B., Zrilić, M., Radojević, V., Uskoković, P.S., Aleksić, R., Nanomechanical and anti-stabbing properties of Kolon fabric composites reinforced with hybrid nanoparticles, <i>Composites Part B: Engineering</i> ,	M21a (4,920)

	108 (2017) 143-152	
66.	Dodevski, V., Kaluderović, B., Krstić, S., Spasojević, V., Trifunović, S., Marinković, A., Stojmenović, M., Optimization of active carbonaceous material obtained by low hydrothermal carbonization of plane tree seed with H <sub>3</sub> PO <sub>4</sub> , Journal of Nano Research, 48 (2017) 71-84	M23 (0,665)
67.	S. Urošević, D. Radosavljević, V. Stanković, D. Đorđević, G. Kokeza, Multikriteria ranking of a job position by ELEKTRA methods in order to improve the analysis and conditons at work in companies in the textile industry, Industria textila, 2017, 68 (5), 388-395.	M22
68.	Davor Antanasijević, Jelena Antanasijević, Nemanja Trišović, Gordana Ušćumlić, Viktor Pocajt, From classification to regression multi-tasking QSAR modeling using a novel modular neural network: Simultaneous prediction of anticonvulsant activity and toxicity of succinimides, Molecular Pharmaceutics, 14 (2017) 4476-4484.	M21a (4,440)
69.	Tijana Urošević, Dragan Povrenović, Predrag Vukosavljević, Ivan Urošević, Snežana Stevanović, Recent developments in microfiltration and ultrafiltration of fruit juices, Food and bioproducts processing 106 (2017), 147-161.	M21 (2,744)
70.	Vladimir P. Pavićević, Marko N. Radović, Svetomir Ž. Milojević, Miljana S. Marković, Mihailo S. Ristić, Dragan S. Povrenović, Influence of hydrodistillation rate and hydromodule on chemical composition of Juniperus communis L. essential oil, Hemıjska industrija, 71, (2017), 1–10.	M23 (0,608 )
71.	M. Marković, N. Bošković-Vragolović, M. Ristić, V. Pavićević, V. Veljković, S. Milojević, Fractionation of the essential oil from juniper ( <i>Juniperus communis</i> L.) berries by hydrodistillation and rectification, Hemıjska industrija, 71, (2017), 471–477.	M23 (0,608 )
72.	A. Bjelajac, V. Djokić, R. Petrović, N. Bundaleski, G. Socol, I. N. Mihailescu, Z. Rakočević, Dj. Janaćković, Absorption boost of TiO <sub>2</sub> nanotubes by doping with N and sensitization with CdS quantum dots, Ceramics International, 43 (2017) 15040-15046.	M21a (2,986)
73.	A. Drah, N. Z. Tomić, Z. Veličić, A.D. Marinković, Ž. Radovanović, Z. Veličković, R. Jančić-Heinemann, Highly ordered macroporous gamma-alumina prepared by a modified sol-gel method with a PMMA microsphere template for enhanced Pb <sup>2+</sup> , Ni <sup>2+</sup> and Cd <sup>2+</sup> removal, Ceramics International, 43(16) (2017) 13817-13827.	M21a (3,057)
74.	J. Rusmirović, J. Ivanović, V. Pavlović, V. Rakić, M. Rancić, V. Djokić, A. Marinković, Novel modified nanocellulose applicable as reinforcement in high-performance nanocomposites, Carbohydrate Polymers, 164 (2017) 64–74.	M21a (5,158)
75.	Vladimir S. Topalović, Snežana R. Grujić, Vladimir D. Živanović, Srdjan D. Matijašević, Jelena D. Nikolić, Jovica N. Stojanović, Sonja V. Smiljanić, Bioactive glass-ceramics prepared by powder sintering and crystallization of polyphosphate glass containing strontium, Ceramics International, 43(2017) 12061-12069.	M21a (3,057)
76.	A.J. Habish, S. Lazarević, I. Janković-Častvan, B. Jokić, J. Kovač, J. Rogan, Đ. Janaćković, R. Petrović, Nanoscale zerovalent iron (nZVI) supported by natural and acid-activated sepiolites: the effect of the nZVI/support ratio on the composite properties and Cd <sup>2+</sup> adsorption, Environmental Science and Pollution Research, 24(1) (2017) 628-643.	M21 (2,760)
77.	A. A. Ahribesh, S. Lazarević, I. Janković-Častvan, B. Jokić, V. Spasojević, T. Radetić, Đ. Janaćković, R. Petrović, Influence of the synthesis parameters on the properties of the sepiolite-based magnetic adsorbents, Powder Technology, 305(2017) 260-269.	M21 (2,759)

78.	S. Marković, A. Stanković, J. Dostanić, L. Veselinović, L. Mančić, S.D. Škapin, G. Dražić, I. Janković Častvan, D. Uskoković, Simultaneous enhancement of natural sunlight- and artificial UV-driven photocatalytic activity of a mechanically activated ZnO/SnO <sub>2</sub> composite, RSC Advances, 7 (2017) 42725-42737.	M21 (3,289)
79.	G. Sekularac, M. Košević, A. Dekanski, V. Djokić, M. Panjan, V. Panić, High energy/power supercapacitor performances of the intrinsically-ordered ruthenium oxide prepared by fast hydrothermal synthesis, ChemElectroChem 4 (2017) 2535-2541.	M21 (4,446)
80.	D. Budimirović, Z. S. Veličković, V. R. Djokić, M. Milosavljević, J. Markovski, S. Lević, A. D. Marinković, Efficient As(V) removal by $\alpha$ -FeOOH and $\alpha$ -FeOOH/ $\alpha$ -MnO <sub>2</sub> embedded PEG-6-arm functionalized multiwall carbon nanotubes, Chemical engineering research and design, 119 (2017) 75–86.	M21 (2,795)
81.	M. J. Lukić, M. Sezen, Dj. Veljović, A. Mraković, A facile route for hydroxyapatite densification with an increased heating rate, Materials Letters, 207 (2017) 12-15.	M21 (2,687)
82.	M. Nikolić, R. Petrović, Dj. Veljović, V. Ćosović, N. Stanković, J. Djonlagic, Effect of sepiolite organomodification on the performance of PCL/sepiolite nanocomposites, European Polymer Journal, 97 (2017) 198-209.	M21 (3,741)
83.	Tijana Ivanović, Daniela Popović, Joseph A. Rard, Snežana Grujić, Zoran P. Miladinović, Jelena Miladinović, Isopiestic determination of the osmotic and activity coefficients of the $\{y \text{ Mg}(\text{NO}_3)_2 + (1 - y) \text{ MgSO}_4\}$ (aq) system at $T = 298.15 \text{ K}$ , Journal of Chemical Thermodynamics, 113 (2017) 91-103.	M21 (2,631)
84.	N. Z. Tomić, Dj. Veljović, K. Trifković, B. Međo, M. Rakin, V. Radojević, R. Jančić-Heinemann, Numerical and experimental approach to testing the adhesive properties of modified polymer blend based on EVA/PMMA as coatings for optical fibers, International Journal of Adhesion and Adhesives, 73 (2017) 80-91.	M22 (2,065)
85.	D. R. Barjaktarević, I. D. Dimić, I. Lj. Cvijović-Alagić, Dj. Veljović, M. P. Rakin, Corrosion resistance of high pressure torsion obtained commercially pure titanium in acidic solution, Tehnički vjesnik/Technical Gazette, 24 (2017) 1689-1695.	M23 (0,686)
86.	J. Nikolić, M. Tošić, S. Grujić, V. Živanović, M. Đošić, S. Matijašević, S. Smiljanjić, Dissolution behaviour of a polyphosphate glass in simulated body fluid, Journal of Serbian Chemical Society 82 (2017) 329-342	M23 (0,970)
87.	Aleksandra Dapčević, Dejan Poleti, Ljiljana Karanović, and Jelena Miladinović, Investigation of Bi <sub>2</sub> O <sub>3</sub> -rich part of Bi <sub>2</sub> O <sub>3</sub> -PbO phase diagram, Journal of Serbian Chemical Society, 82 (2017) 1433-1444.	M23 (0,970)
88.	S. Vidojković, M. Rakin, Surface properties of magnetite in high temperature aqueous electrolyte solutions. Advances in colloid and interface science, 245 (2017) 108-129	M21 (8,243)
89.	W. Musraty, B. Medo, N. Gubeljak, A. Likeb, I. Cvijović-Alagić, A. Sedmak, M. Rakin, Ductile fracture of pipe-ring notched bend specimens - micromechanical analysis. Engineering Fracture Mechanics, 175 (2017) 247-261	M21 (2,580)
90.	B. Younise, M. Rakin, N. Gubeljak, B. Međo, A. Sedmak, Effect of material heterogeneity and constraint conditions on ductile fracture resistance of welded joint zones - micromechanical assessment. Engineering Failure Analysis, 82C (2017) 435-445	M22 (2,157)
91.	M. Pavlović, M. Dojčinović, S. Martinović, Z. Stević, T. M. Jovanović, Volkov Husović, Determination of degradation level during cavitation erosion of zircon based ceramic. Science of Sintering, 49 (2017) 175-185	M22 (0,667)
92.	M. Dojčinović, M. Arsić, S. Bošnjak, A. Murariu, Z. Malešević, Cavitation resistance of turbine runner blades at the hydropower plant Djerdap. Structural	M24

	Integrity and Life, 17 (2017) 55	
93.	J. Ružić, J. Stašić, D. Božić, M. Dojčinović, T. Volkov-Husović, Influence of the fabrication process of copper matrix composites on cavitation erosion resistance. Metallurgical & Materials Engineering, 23 (2017) 291-301	M24
94.	Aleksić V., Milović Lj., Aleksić B., Bulatović S., Burzić Z., Hemer A.M., Behaviour of Nionikral-70 in Low-cycle fatigue. Integritet i vek konstrukcija, 17 (2017) 61-73.	M24
95.	A.M. Lazić, B.D. Božić, V.D. Vitnik, Ž.J. Vitnik, J.R. Rogan, L.D. Radovanović, N.V. Valentić, G.S. Ušćumlić, Structure-property relationship of 3-(4-substituted benzyl)-1,3-diazaspiro[4.4]nonane-2,4-diones as new potential anticonvulsant agents. An experimental and theoretical study, Journal of Molecular Structure, 1127 (2017) 88-98	M22 (2,011)
96.	J. Djonlagic, A. Lancuski, M.S. Nikolic, J. Rogan, S. Ostojačić, Z. Petrović, Hydrogels reinforced with nanoclays with improved response rate, Journal of Applied Polymer Science, 134 (2017) APP44535	M22 (1,901)
97.	A.J. Habish, S. Lazarević, I. Janković-Častvan, B. Jokić, J. Kovač, J. Rogan, Đ. Janaćković, R. Petrović, Nanoscale zero-valent iron (nZVI) supported by natural and acid-activated sepiolites: the effect of the nZVI/support ratio onto the composite properties and Cd <sup>2+</sup> adsorption, Environmental Science and Pollution Research, 24 (2017) 628-643	M21 (2,760)
98.	A. Lazić, N. Trišović, L. Radovanović, J. Rogan, D. Poleti, Ž. Vitnik, V. Vitnik, G. Ušćumlić, Towards understanding intermolecular interactions in hydantoin derivatives: case of cycloalkane-5-spirohydantoins tethered with a halogenated benzyl moiety, CrystEngComm, 19 (2017) 469-483	M21 (3,474)
99.	B. Božić, J. Rogan, D. Poleti, M. Rančić, B. Božić, G. Ušćumlić, Synthesis, characterization and biological activity of 2-(5-arylidene-2,4-dioxotetrahydrothiazole-3-yl)propanoic acid derivatives, Arabian Journal of Chemistry, 10 (2017) S2637-S2643	M21 (4,553)
100.	J.D. Zdravković, D.D. Poleti, J.R. Rogan, V.A. Blagojević, K. Mészásaros Szécsényi, D.M. Minić, The influence of alkaline cations on the mechanism and kinetics of dehydration of polymeric phthalatoocuprate(II) dihydrates, Journal of Analytical and Applied Pyrolysis, 126C (2017) 323-331	M21 (3,652)
101.	W. Omymen, J. Rogan, B. Jugovic, M. Gvozdenović, B.N. Grgur, Photo-assisted electrochemical oxidation of the urea onto TiO <sub>2</sub> -nanotubes modified by hematite, Journal of Saudi Chemical Society, 21 (2017) 990-997	M22 (2,887)
102.	L. Radovanović, J. Rogan, D. Poleti, M.V. Rodić, Z. Jagličić, Terephthalate-bridged two-dimensional heteronuclear Cu(II)-Mn(II) complex with terminal 2,2'-dipyridylamine ligand, Journal of Serbian Chemical Society, 82 (2017) 1247-1258	M23 (0,970)
103.	Z. D. Jauković, S. D. Grujić, I. V. Matić Bujagić, M. D. Laušević, Determination of sterols and steroid hormones in surface water and wastewater using liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry, Microchemical Journal, 135 (2017) 39-47	M21 (3,206)
104.	M. Ponjavić, M. S. Nikolić, J. Nikodinovic-Runić, S. Jeremić, S. Stevanović, J. Djonlagić, Degradation behavior of PCL/PEO/PCL and PCL/PEO block copolymers under controlled hydrolytic, enzymatic and composting conditions, Polymer Testing, 57 (2017) 66-77	M22 (2,247)
105.	T. Kovačević, J. Rusmirović, N. Tomić, M. Marinović-Cincović, Ž. Kamberović, M. Tomić, A. Marinković, New composites based on waste PET and non-metallic fraction from waste printed circuit boards: Mechanical and thermal properties, Composites: Part B: Engineering, 127 (2017) 1-14	M21a (4,920)

106.	J. Milenkovic, J. Hrenovic, D. Matijasevic, M. Niksic, N. Rajic, Bactericidal activity of Cu-, Zn-, and Ag-containing zeolites toward Escherichia coli isolates, Environmental Science and Pollution Research, 24 (2017) 20273–20281	M22 (2,914)
107.	J. Pavlovic, T. Krogstad, N. Rajić, Applicability of zeolites in potassium and nitrate retention in different soil types, Journal of Serbian Chemical Society 82 (2017) 1303–1314	M23 (0,970)
108.	I. Kaplanec, A. Recnik, G. Mali, N. Rajic, Study of the iron(III)-modified clinoptilolite in the adsorption of phosphate from aqueous medium: mechanism and kinetics, Desalination and Water Treatment, 78 (2017) 231-240	M22 (1,631)
109.	J. Milovanovic, R. Luque, R. Tschenetscher, A. Romero, H. Li, K. Shih, N. Rajic, Study on the pyrolysis products of two different hardwood lignins in the presence of NiO contained-zeolites, Biomass & Bioenergy, 103 (2017) 29-34	M21 (3,219)
110.	Dj. Stojakovic, M. Jovanovic, N. Rajic, Lead(II) Removal from Aqueous Solutions by Serbian Zeolitic Tuff, Enviromental Engineering and Management Journal, 16 (2017) 131-140	M23 (1,096)
111.	N. Obradović, S. Filipović, S. Marković, M. Mitrić, J. Rusmirović, A.D. Marinković, V. Antić, V. Pavlović, Influence of different pore-forming agents on wollastonite microstructures and adsorption capacities, Ceramics Internacional. 43 (2017) 7461–7468.	M21a (2,986)
112.	V.D. Vitnik, Z.J. Vitnik, B.D. Bozic, N.V. Valentic, S.P. Dilber, D.Z. Mijin, G.S. Uscumlic, Experimental and theoretical insight into the electronic properties of 4-aryl-5-arylazo-3-cyano-6-hydroxy-2-pyridone dyes. Coloration Technology 133 (2017) 223–233.	M21 (1,168)
113.	N.R. Filipović, H. Elshaflu, S. Grubišić, Lj.S. Jovanović, M. Rodić, I. Novaković, A. Malešević, I.S. Djordjević, H.Li, N. Šojić, A.D. Marinković, and T.R. Todorović, Co(III) complexes of (1,3-selenazol-2-yl)hydrazones and their sulphur analogues. Dalton Transactions 46 (2017) 2910-2924.	M21 (4,177)
114.	J. D. Rusmirović, T. Radoman, E. S. Džunuzović, J. V. Džunuzović, J. Markovski, P. Spasojević, A. D. Marinković, Effect of the Modified Silica Nanofiller on the Mechanical Properties of Unsaturated Polyester Resins Based on Recycled Polyethylene Terephthalate. Polymer Composites, 38 (2017) 538-554.	M21 (2,004)
115.	A.R. Božić, N.R. Filipović, T.Ž. Verbić, M.K. Milčić, T.R. Todorović, I.N. Cvijetić, O.R. Klisurić, M.M. Radišić, A.D. Marinković, A detailed experimental and computational study of monocarbohydrazones. Arabian Journal of Chemistry, (2017) <a href="https://doi.org/10.1016/j.arabjc.2017.08.010">https://doi.org/10.1016/j.arabjc.2017.08.010</a>	M22 (2,969)
116.	N. R. Banjac, B. Đ. Božić, J. M. M., V. D. Vitnik, Ž. J. Vitnik, N. V. Valentić, G. S. Ušćumlić. Experimental and theoretical study on the structure-property relationship of novel 1-aryl-3-methylsuccinimides, Journal of Molecular Structure, 1129 (2017) 271–282.	M22 (2,011)
117.	K. D. Radosavljević, J. D. Lović, D. Ž. Mijin, Slobodan D. Petrović, Milka B. Jadranin, A. R. Mladenović, Milka L. Avramov Ivić, Degradation of azithromycin using Ti/RuO <sub>2</sub> anode as catalyst followed by DPV, HPLC–UV and MS analysis. Chemical Papers 71 (2017) 1217–1224.	M22 (0,963)
118.	A. Golubović, B. Simović, S. Gašić, D. Mijin, A. Matković, B. Babić, M. Šćepanović, Sol-gel Synthesis of Anatase Nanopowders for Efficient Photocatalytic Degradation of Herbicide Clomazone in Aqueous Media. Science of Sintering 49 (2017) 319-330.	M22 (0,667)
119.	N.N. Begović, M.M. Vasić, V.A. Blagojević, N.R. Filipović, A.D. Marinković, A. Malešević, D.M. Minić, Synthesis and thermal stability of cis-dichloro[(E)-ethyl-2-(2-((8-hydroxyquinolin-2-il)-methylene)-hidrazinyl)acetate-κ2N]-palladium(II)	M22 (1,953)

	complex. Journal of Thermal Analysis and Calorimetry, 130 (2017) 701-711	
120.	N. Obradović, S. Filipović, J. Rusmirović, G. Postole, A. Marinković, D. Radić, V. Rakić, V. Pavlović, A. Auroux, Formation of porous wollastonite-based ceramics after sintering with yeast as the pore-forming agent. Science of Sintering 49 (3) (2017) 235-246.	M22 (0,667)
121.	J. Lović, S. Stevanović, N.D. Nikolić, S. Petrović, D. Vuković, N. Prlainović, D. Mijin, M. Avramov Ivić, Glucose Sensing Using Glucose Oxidase-Glutaraldehyde-Cysteine Modified Gold Electrode. International Journal of Electrochemical Science 12 (2017) 5806 – 5817.	M23 (1,369)
122.	G. Šekularac, S. Eraković, D. Mijin, V. Pavelkić, J. Stevanović, V. Panić, Low-temperature-synthesized RuO <sub>2</sub> from acidic chloride solution for the electrode coating applications. Journal of the Serbian Chemical Society 82(6) (2017) 695-709.	M23 (0,797)
123.	K. Taleb, J. Rusmirović, M. Rančić, J. Nikolić, S. Drmanić, Z. Veličković, A. Marinković, Efficient pollutants removal by amino-modified nanocellulose impregnated with iron oxide. Journal of Serbian Chemical Society, 81 (2016) 1199–1213.	M23 (0,970)
124.	N.R. Bobić, R.S. Simonović, S.Ž. Drmanić. S.Z. Milić, J.B. Nikolić, S.D. Stoiljković, N.S. Terzić, The influence of migration processes in gunpowder charge on the quality of mortar ammunition. Hemijska industrija 71 (2017) 231-240.	M23 (0,591)
125.	A.R. Božić, , N.R. Filipović, I.T. Novaković, S.K. Bjelogrlić, J.B. Nikolić, S.Ž. Drmanić, A.D. Marinković, Synthesis, antioxidant and antimicrobial activity of Carbohydrazones, Journal of the Serbian Chemical Society 82 (2017) 495-508.	M23 (0,797)
126.	D. Budimirović, Z.S. Veličković, Z. Bajić, D.L. Milošević, J.B. Nikolić, S.Ž. Drmanić and A.D. Marinković, Removal of heavy metals from water using multistage functionalized multiwall carbon nanotubes Journal of the Serbian Chemical Society 82 (2017) 1175-1191.	M23 (0.797)
127.	Pajnik, J., Stamenić, M., Radetić, M., Tomanović, S., Sukara, R., Mihaljica, D., Zizovic, I. Impregnation of cotton fabric with pyrethrum extract in supercritical carbon dioxide. Journal of Supercritical Fluids 128 (2017) 66-72	M21 (3,122)
128.	Stamenić, M., Dikić, V., Mandić, M., Todić, B., Bukur, D.B., Nikačević, N.M. Multiscale and Multiphase Model of Fixed Bed Reactors for Fischer-Tropsch Synthesis: Intensification Possibilities Study, Industrial and Engineering Chemistry Research 56 (2017) 9964-9979	M21 (3,141)
129.	Maksimovic, S., Tadic, V., Skala, D., Zizovic, I. Separation of phytochemicals from Helichrysum italicum: An analysis of different isolation techniques and biological activity of prepared extracts. Phytochemistry 138 (2017) 9-28	M21 (3,186)
130.	A. Knežević, M. Stajić, I. Milovanović, J. Vukojević, Wheat Straw Degradation by <i>Trametes gibbosa</i> : The Effect of Calcium Ions. Waste Biomass Valor, (2017), <a href="http://dx.doi.org/10.1007/s12649-017-9961-6">http://dx.doi.org/10.1007/s12649-017-9961-6</a> .	M23 (1,874)
131.	A. Knežević, M. Stajić, I. Milovanović, J. Vukojević, Degradation of beech wood and wheat straw by <i>Trametes gibbosa</i> . Wood Science Technology, (2017), <a href="http://dx.doi.org/10.1007/s00226-017-0921-x">http://dx.doi.org/10.1007/s00226-017-0921-x</a>	M21 (1,706)
132.	A. Knežević, M. Stajić, L. Živković, I. Milovanović, B. Spremo-Potparević, J. Vukojević, Antifungal, Antioxidative, and Genoprotective Properties of Extracts from the Blushing Bracket Mushroom, <i>Daedaleopsis confragosa</i> (Agaricomycetes). International Journal of Medicinal Mushrooms, 19, (2017) 509-520.	M23 (1,211)
133.	S. Đurđević, S. Milovanović, K. Šavikin, M. Ristić, N. Menković, D. Pljevljakušić,	M21

	S. Petrović, A. Bogdanović, Improvement of supercritical CO <sub>2</sub> and n-hexane extraction of wild growing pomegranate seed oil by microwave pretreatment, Industrial Crops and Products 104 (2017) 21–27	(3,849)
134.	S. Milovanovic, T. Adamovic, K. Aksentijevic, D. Misic, J. Ivanovic, I. Zizovic, Cellulose acetate based material with antibacterial properties created by supercritical solvent impregnation, International Journal of Polymer Science, Volume 2017, Article ID 8762649, 9 pages,	M22 (1,718)
135.	S. Maksimović, V. Tadić, J. Ivanović, T. Radmanović, S. Milovanović, M. Stanković, I. Žižović, Utilization of the integrated process of supercritical extraction and impregnation for incorporation of Helichrysum italicum extract into corn starch xerogel, Chemical Industry and Chemical Engineering Quarterly 24 (2018) 191-200	M23 (0,944)
136.	M. Milošević, A. Krkobabić, M. Radoičić, Z. Šaponjić, T. Radetić, M. Radetić, Biodegradation of cotton and cotton/polyester fabrics impregnated with Ag/TiO <sub>2</sub> nanoparticles in soil, Carbohydrate Polymers, 158 (2017) 77-84	M21a (5,158)
137.	M. Milošević, Z. Šaponjić, T. Nunney, C. Deeks, M. Radoičić, M. Mitrić, T. Radetić, M. Radetić, <i>In situ</i> photoreduction of Ag <sup>+</sup> -ions on the surface of titania nanotubes deposited on cotton and cotton/PET fabrics, Cellulose, 24 (2017) 1597-1610	M21a (3,809)
138.	T. Nikolic, M. Korica, J. Milanovic, A. Kramar, Z. Petronijevic, M. Kostic, TEMPO-oxidized cotton as a substrate for trypsin immobilization: impact of functional groups on proteolytic activity and stability, Cellulose, 24 (2017) 1863-1875	M21a (3,809)
139	B. Tomšić, J. Vasiljević, B. Simončić, M. Radoičić, M. Radetić, The influence of corona treatment and impregnation with colloidal TiO <sub>2</sub> nanoparticles on biodegradability of cotton fabric, Cellulose, 24 (2017) 4533-4545	M21a (3,809)
140.	R. Molina, J.M. Teixidó, C.W. Kan, P. Jovančić, Hydrophobic coatings on cotton obtained by <i>in situ</i> plasma polymerization of a fluorinated monomer in ethanol solutions, ACS Applied Materials and Interfaces, 9 (2017) 5513–5521	M21a (8,097)
141.	K.A. Asanovic, T.V. Mihailovic, D.D. Cerovic, Evaluation of the quality of clothing fabrics in terms of their compression behaviour before and after abrasion, Fibers and Polymers, 18 (2017) 1393-1400	M21 (1,353)
142.	M.V. Pergal, I.S. Stefanović, R. Poręba, M. Steinhart, P. Jovančić, S. Ostojić, M. Špírková, Influence of the organoclay content on the structure, morphology, and surface related properties of novel poly(dimethylsiloxane)-based polyurethane/organoclay nanocomposites, Industrial and Engineering Chemistry Research, 56 (2017) 4970-4983	M21 (3,141)
143.	M. Savic, D. Trajkovic, J. Stepanovic, P. Stojanovic, M. Kostic, D. Majstorovic, Influence of heater temperature and texturing speed on the physical-mechanical properties of polyamide textured yarns in false-twist texturing process, Industria Textila, 68 (2017) 451-457	M22 (0,570)
144.	D. Trajkovic, M. Savic, M. Kostic, D. Majstorovic, P. Stojanovic, J. Stepanovic, Dependence of structural characteristics of polyamide textured yarns on the parameters of the false twist yarn texturing process, Fibres and Textiles in Eastern Europe, 25 (2017) 79-85	M22 (0,626)
145.	B.D. Lazic, S.D. Janjic, T. Rijavec, M. Kostic, Effect of chemical treatments on the chemical composition and properties of flax fibers, Journal of the Serbian Chemical Society, 82 (2017) 83-97	M23 (0,970)
146.	P. Stojanovic, M. Savic, D. Trajkovic, J. Stepanovic, M. Stamenkovic, M. Kostic, The effect of false-twist texturing parameters on the structure and crimp properties of	M23 (0,944)

	polyester yarn, Chemical Industry and Chemical Engineering Quarterly, 23 (2017) 411-419	
147.	M. Knežević, A. Kramar, M. Korica, B. Dojčinović, M. Kostić, Svojstva pamučne prede posle oksidacije kalijum-permanganatom u kiseloj sredini, Zaštita materijala, 58 (2017) 31-36	M24
148.	K. Nešović, V. Kojić, K.Y. Rhee, V. Mišković-Stanković, Electrochemical Synthesis and Characterization of Silver Doped Poly(vinyl alcohol)/Chitosan Hydrogels, Corrosion 73 (2017) 1437-1447.	M21 (1.927)
149.	M. Đošić, S. Eraković, A. Janković, M. Vukašinović-Sekulić, I. Matić, J. Stojanović, K.Y. Rhee, V. Mišković-Stanković, , S.J. Park, In vitro investigation of electrophoretically deposited bioactive hydroxyapatite/chitosan coatings reinforced by graphene, Journal of Industrial and Engineering Chemistry 47 (2017) 336-347.	M21 (4.841)
150.	B.M. Jokić, E.S. Džunuzović, B.N. Grgur, B.Z. Jugović, T.L. Trišović, J.S. Stevanović, M.M. Gvozdenović, The influence of m-aminobenzoic acid on electrochemical synthesis and behavior of poly(aniline-co-(m-aminobenzoic acid)), Journal of Polymer Research, 24 (9) (2017): art. no. 146.	M22 (1,615)
151.	D.N. Sredojević, T. Kovač, E. Džunuzović, V. Đorđević, B.N. Grgur, J.M. Nedeljković, Surface-modified TiO <sub>2</sub> powders with phenol derivatives: A comparative DFT and experimental study, Chemical Physics Letters, 686 (2017) 167-172.	M22 (1,815)
152.	A.H. Al-Eggiely, A.A. Alguail, M.M Gvozdenović, B.Z. Jugović, B.N. Grgur, Seawater zinc/polypyrrole-air cell possessing multifunctional charge-discharge characteristics, Journal of Solid State Electrochemistry, 21 (2017) 2769-2777	M22 (2,316)
153.	A.A. Alguail, A.H. Al-Eggiely, B.N. Grgur, Polyaniline–lead sulfate based cell with supercapattery behavior, Journal of Saudi Chemical Society, 21 (2017) 575-582	M22 (2,887)
154.	M. Bučko, D. Culliton, A. J. Betts, J. B. Bajat, (2017) The electrochemical deposition of Zn-Mn coating from choline chloride-urea deep eutectic solvent, Transactions of the Institute of Metal Finishing, 95 (2017) 60-64.	M22 (0,802)
155.	J.Z. Liang, C.Y. Chen, T.Y. Zhou, S.Y. Zou, W.F. Huang, C.P. Tsui, C.Y. Tang, V. Mišković-Stanković, „Melt Extrudate Swell Behavior of Multi-Walled Carbon Nanotubes Filled-Polypropylene Composites“, Polym. Composite. 38 (2017) 2433-2439.	M22 (2.324)
156.	M. Janačković, M. Gvozdenović, B. Grgur, Superkapabaterija na bazi polipirola i cinka sa vodenim rastvorom elektrolita, Hemijska Industrija, 71 (2017) 479–485	M23 (0,509)
157.	A.A. Salem, B.N. Grgur, Corrosion of mild steel with composite alkyd polyaniline-benzoate coating, International Journal of Electrochemical Science, 12 (2017) 8683-8694.	M23 (1,469)
158.	G. Bogdanović, T.S. Kovač, E.S. Džunuzović, M. Špirkova, P. S. Ahrenkiel, J. M. Nedeljković, „Influence of hematite nanorods on the mechanical properties of epoxy resin“, J Serb Chem Soc 82 (2017) 437–447.	M23 (0,797)
159.	K. Nešović, M.M. Abudabbus, K.Y. Rhee, V. Mišković-Stanković, Graphene Based Composite Hydrogel for Biomedical Applications, Croatica Chemica Acta 90, 2 (2017) 207-213.	M23 (0,732)
160.	A. Belščak-Cvitanović, S. Jurić, V. Đorđević, L. Barišić, D. Komes, D. Ježek, B. Bugarski, V. Nedović, Chemometric evaluation of binary mixtures of alginate and polysaccharide biopolymers as carriers for microencapsulation of green tea polyphenols. International Journal of Food Properties 20 (2017) 1971-1986	M22 (1.845)
161.	A. Belščak-Cvitanović, V. Nedović, A. Salević, S. Despotović, D. Komes, M. Nikšić, B. Bugarski, I. Leskošek-Čukalović, Modification of functional quality of	M23 (0,944)

	beer by using microencapsulated green tea ( <i>Camellia sinensis</i> L.) and Ganoderma mushroom ( <i>Ganoderma lucidum</i> L.) bioactive compounds, 23 (2017) 457-471	
162.	A. Kalušević, S. Lević, B. Čalija, M. Pantić, M. Belović, V. Pavlović, B. Bugarski, J.Milić, S. Žilić, V. Nedović, Microencapsulation of anthocyanin-rich black soybean coat extract by spray drying using maltodextrin, gum Arabic and skimmed milk powder. Journal of Microencapsulation 34 (2017) 475-487	M22 (1,793)
163.	A.A. Abdussalam, I.R. Radović, G.R. Ivaniš, M.Lj. Kijevčanin, High pressure densities and derived thermodynamic properties for the (n-heptane + n-octane + ethanol) ternary system, J. Chem. Thermodynamics, 109 (2017) 91-99	M21 (2,631)
164.	A.M. Kalušević, S.M. Lević, B.R. Čalija, J.R. Milić, V.B. Pavlović, B.M. Bugarski, V.A. Nedović, Effects of different carrier materials on physicochemical properties of microencapsulated grape skin extract. Journal of Food Science and Technology 54 (2017) 3411–3420	M22 (1,797)
165.	A.M. Stanimirović, E.M. Živković, N.D. Milošević, M.Lj. Kijevčanin, Application and testing of a new simple experimental setup for thermal conductivity measurements of liquids, Thermal Science, 21 (2017) 1195 – 1202	M22 (1,433)
166.	B. Todić, W. Ma, G. Jacobs, N. Nikačević, D.H. Davis, D.B. Bukur, Kinetic Modeling of Secondary Methane Formation and 1-Olefin Hydrogenation in Fischer-Tropsch Synthesis over a Cobalt Catalyst, International Journal of Chemical Kinetics, 49 (2017) 859-874	M23 (1,416)
167.	D. Mirković, S. Ibrić, B., Balanč, Ž., Knez, B. Bugarski, Evaluation of the impact of critical quality attributes and critical process parameters on quality and stability of parenteral nutrition nanoemulsions. Journal of Drug Delivery Science and Technolog, 39 (2017) 341–347	M23 (0,620)
168.	D. Slavnić, L. Živković, A. Bjelić, B. Bugarski, N.Nikačević, Residence time distribution and Peclet number correlation for continuous oscillatory flow reactors, Journal of Chemical Technology and Biotechnology, 92 (2017) 2178-2188	M22 (2,587)
169.	D. Soldatović, J. Vuksanović, I. Radović, Z. Višak, M. Kijevčanin, Excess molar volumes and viscosity behaviour of binary mixtures of aniline/or N,N-dimethylaniline with imidazolium ionic liquids having triflate or bistriflamide anion, J. Chem. Thermodynamics, 109 (2017) 137-154	M21 (2,631)
170.	D.D. Kostic, I. S.Malagurski, B.M. Obradovic, Transport of silver nanoparticles from nanocomposite Ag/alginate hydrogels under conditions mimicking tissue implantation, Hemisjska Industrija, 71 (2017) 383-394	M23 (0,591)
171.	D.M. Majstorović, E.M. Živković, L.R. Matija, M.Lj. Kijevčanin, Volumetric, Viscometric, Spectral Studies and Viscosity Modelling of Binary Mixtures of Esters and Alcohols (Diethyl Succinate, or Ethyl Octanoate + Isobutanol, or Isopentanol) at Varying Temperatures. J. Chem. Thermodynamics, 104 (2017) 169-188	M21 (2,631)
172.	D.M. Majstorović, E.M. Živković, M.Lj. Kijevčanin, Density, Viscosity, and Refractive Index Data for a Ternary System of Wine Congeners (Ethyl Butyrate + Diethyl Succinate + Isobutanol) in the Temperature Range from 288.15 to 323.15 K and at Atmospheric Pressure, J. Chem. Eng. Data, 62 (2017) 275–291	M21 (2,196)
173.	D.M. Majstorović, E.M. Živković, M.Lj. Kijevčanin, Volumetric and viscometric study and modelling of binary systems of diethyl tartrate and alcohols, J. Mol. Liquids, 248 (2017) 219-226	M21 (4,513)
174.	E. Talón, K.T. Trifkovic, V.A. Nedovic, B.M. Bugarski, M. Vargas, A. Chiralt, C. González-Martínez, Antioxidant edible films based on chitosan and starch containing polyphenols from thyme extracts. Carbohydrate Polymers, 157 (2017) 1153–1161	M21a (4,811)

175.	I. Pajic-Lijakovic, M. Milivojevic, Modeling of metabolic energy dissipation for restricted tumor growth. <i>J. Bioenerg. Biomembr.</i> 49 (2017) 381-389.	M22 (2,914)
176.	I. Pajic-Lijakovic, M. Milivojevic, Successive relaxation cycles during long-time cell aggregate rounding after uni-axial compression. <i>J. Biol. Phys.</i> 43 (2017) 197-209.	M23 (1,394)
177.	I. Pajic-Lijakovic, M. Milivojevic, Viscoelasticity of multicellular surfaces. <i>J. Biomechanics</i> , 60 (2017) 1-8.	M22 (2,664)
178.	I.Pajic-Lijakovic, M. Milivojevic, S. Levic, K. Trifkovic,Z. Stevanovic-Dajic, R. Radosevic,V. Nedovic,B. Bugarski, Matrix resistance stress: A key parameter for immobilized cell growth regulation Process <i>Biochemistry</i> 52 (2017) 30-43.	M21 (2.529)
179.	I.R. Radović, N.D. Grozdanić, B.D. Đorđević, S.P. Šerbanović, M.Lj. Kijevčanin, Prediction of excess molar volumes of binary mixtures by Prigogine-Flory-Patterson (PFP) and extended real association solution (ERAS) models, <i>J. Serb. Chem. Society</i> , 82 (2017) 1379-1390	M23 (0,797)
180.	J.M. Vuksanović, N.M. Todorović, M.Lj. Kijevčanin, S.P. Šerbanović, I.R. Radović, Experimental investigation and modeling of thermophysical and extraction properties of choline chloride + DL-malic acid based deep eutectic solvent, <i>J. Serb. Chem. Society</i> , 82 (2017) 1287-1302	M23 (0,797)
181.	K. Bukara, S.Z. Jovanić, I.T. Drvenica, A. Stančić, V. Ilić, M.D. Rabasović, D.V. Pantelić, B.M. Jelenković, B. Bugarski, A.J. Krmpot. Mapping of hemoglobin in erythrocytes and erythrocyte ghosts using two photon excitation fluorescence microscopy, <i>Journal of Biomedical Optics</i> , 22 (2) (2017) 026003, doi: 10.1117/1.JBO.22.2.026003	M21 (2,367)
182.	M. Mandić, B. Todić, Lj. Živanić, N. Nikačević, D.B. Bukur, Effects of Catalyst Activity, Particle Size and Shape, and Process Conditions on Catalyst Effectiveness and Methane Selectivity for Fischer-Tropsch Reaction: A Modeling Study, <i>Industrial and Engineering Chemistry Research</i> , 56 (2017) 2733-2745	M21 (3,141)
183.	M. Milivojević, M. Jocić, Z. Lopićić, J. Petrović, M. Stojanović, Adsorpcija fluoridnih jona na Al-alginatnim česticama, <i>Zaštita Materijala</i> , 58 (2017) 204-211.	M24
184.	M.A. Aissa, G.R. Ivaniš, I.R. Radović, M.Lj. Kijevčanin, Experimental Investigation and Modeling of Thermophysical Properties of Pure Methyl and Ethyl Esters at High Pressures, <i>Energy Fuels</i> , 31 (2017) 7110-7122	M21 (3,024)
185.	M.M. Zarić, B. Bugarski, M.Lj. Kijevčanin, Best methods for calculating interaction energies in 2-butene and butane systems, <i>Computational and Theoretical Chemistry</i> , 1117 (2017) 150-161	M23 (1,443)
186.	M.M. Zarić, M. Stijepovic, P. Linke, J. Stajić-Trošić, B. Bugarski, M. Kijevčanin, Targeting heat recovery and reuse in industrial zone, <i>Chemical Industry and Chemical Engineering Quarterly</i> , 23 (2017) 73-82	M23 (0,944)
187.	M.Z. Stijepovic, A.I. Papadopoulos, P. Linke, V. Stijepovic, A.S. Grujic, M. Kijevčanin, P. Seferlis, Organic Rankine Cycle system performance targeting and design for multiple heat sources with simultaneous working fluid selection, <i>Journal of Cleaner Production</i> , 142 (2017) 1950-1970	M21a (5,651)
188.	N.R. Zlatković, D.M. Majstorović, M.Lj. Kijevčanin, E.M. Živković, Plate heat exchanger design software for industrial and educational applications, <i>Hemijiska industrija</i> , 71 (2017) 439-449	M23 (0,591)
189.	N.V. Živković, E.M. Živković, S.P. Šerbanović, D.M. Majstorović, M.Lj. Kijevčanin, Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes, <i>J. Chem. Thermodynamics</i> , 108 (2017) 162-180	M21 (2,631)
190.	P. Škobalj, M. Kijevčanin, N. Afganc, M. Jovanović, V. Turanjanin, B. Vučićević,	M21a

	Multi-Criteria sustainability analysis of thermal power plant Kolubara-A unit 2, Energy, 125 (2017) 837-847	(4,968)
191.	P.D. Škobalj, M.Lj. Kijevčanin, M.P. Jovanović, N.H. Afgan, M.D. Erić, Energy indicators impact in multi-criteria sustainability analyse of thermal power plant unit, Thermal Science, 21 (2017) 1143-1151	M22 (1,433)
192.	R.N. Pravilović, B.D. Balanč, K.T. Trifković, V.B. Đorđević, N.M. Bošković-Vragolović, B.M. Bugarski, R.V. Pjanović, Comparative effects of Span 20 and Span 40 on liposomes release properties, International Journal of Food Engineering, 13 (2017) 2017-0339	M23 (1,014)
193.	S.Lj. Maslovara, D. Vasić Aničijević, M.Lj. Kijevčanin, I.R. Radović, V.M. Nikolic, P.Z. Lausevic, M.P. Marceta Kaninski, Improved HER activity of Ni and stainless steel electrodes activated by NiCoMo ionic activator – A combined DFT and experimental study, Int. J. Hydrogen Energy, 42 (2017) 5072-5082	M21 (4,229)
194.	S.M. Cvetkovic, T. Kaludjerović Radoičić, M. Kijevčanin, Perspective of using biogas in Serbia in European context, Energy Sources, Part B: Economics, Planning, and Policy, 12 (2017) 372-376	M23 (0,976)
195.	T. Kaluđerović-Radoičić, N. Bošković-Vragolović, R. Garić-Grulović, M. Đuriš, Ž. Grbavčić, Friction factor for water flow through packed beds of spherical and non-spherical particles, Chemical Industry & Chemical Engineering Quarterly, 23 (2017) 57-66.	M23 (0,944)
196.	Z.R. Lopičić, M.D. Stojanović, T.S. Kaluđerović Radoičić, J.V. Milojković, M.S. Petrović, M.L. Mihajlović, M.L.J. Kijevčanin, Optimization of the process of Cu(II) sorption by mechanically treated <i>Prunus persica</i> L. - Contribution to sustainability in food processing industry, Journal of Cleaner Production, 156 (2017) 95-105	M21a (5,651)
197.	A. Jovanović, V. Đorđević, G. Zdunić, D. Pljevljakušić, K. Šavikin, D. Godevac, B. Bugarski, Optimization of the Extraction Process of Polyphenols from <i>Thymus serpyllum</i> L. Herb using Maceration, Heat- and Ultrasound-assisted Techniques. Separation and Purification Technology, 179 (2017) 369-380	M21 (3,927)
198.	Kostic Srdjan D, Vasovic Nebojsa, Marinkovic Boban, Robust optimization of concrete strength estimation using response surface methodology and Monte Carlo simulation, ENGINEERING OPTIMIZATION, 49 (2017) 864-877	M22 (1,622)
199.	Zunic Zora, Stojanovska Zdenka, Boev Blazo, Sorsa Ajka, Celikovic Igo, Curguz Zoran, Ronnquist Tryggve, Janicijevic Aco, Alavantic Dragan, Explicit finite-difference solution of two-dimensional solute transport with periodic flow in homogenous porous media, Journal of Hydrology and Hydromechanics, 65 (2017) 426-432	M22 (2,023)
200.	Nikezic Dusan, Grsic Zoran, Dramlic Dragan, Dramlic Stefan, Loncar Boris, Dimovic Slavko, Modeling air concentration of fly ash in Belgrade, emitted from thermal power plants TNTA and TNTB, Process Safety And Environmental Protection, 106 (2017) 274-283	M21 (3,441)
201.	Sljivic-Ivanovic Marija, Jelic Ivana, Loncar Aleksandra, Nikezic Dusan, Dimovic Slavko, Loncar Boris, The Application of Experimental Design Methodology for the Investigation of Liquid Radioactive Waste Treatment, Nuclear Technology & Radiation Protection, 32 (2017) 281-287	M23 (0,504)
202.	Fetahovic Irfan, Dolicanin Edin, Lazarevic Djordje, Loncar Boris, Overview of Radiation Effects on Emerging Non-Volatile Memory Technologies, Nuclear Technology & Radiation Protection, 32 (2017) 381-392	M23 (0,504)
203.	Aleksandar Grujić, Jasna Stajić-Trošić, Mirko Z. Stijepović, Srđan Perišić, Tomáš Žák: Tensile strength properties of hybrid magnetic composite materials,- Zastita	M24

	materijala, 58 (2017) 570-575.	
204.	Cocic, M., Matovic, B., Posarac, M., (...), Devic, S., Vusovic, N., Thermal shock properties of glass-ceramics synthesized from a glass frit , Science of Sintering, 49 (2017) 139-147	M22 (0,905)
205.	Pavlović, M., Dojčinović, M., Martinović, S., (...), Jovanović, M., Volkov-Husović, T., Determination of degradation level during cavitation erosion of zircon based ceramic, Science of Sintering, 49 (2017) 175-185	M22 (0,905)
206.	Maksimović, V.M., Devečerski, A.B., Došen, A., (...), Erić, M.D., Volkov-Husović, T., Comparative Study on Cavitation Erosion Resistance of A356 Alloy and A356FA5 Composite, Transactions of the Indian Institute of Metals , 70(1), pp. 97-105	M22 (1,176)
207.	T. Radetic, E.K. Johnson, D.L.Olmsted, Y. Yang, B.B. Laird., M. Asta, U. Dahmen, Step-controlled Brownian motion of nanosized liquid Pb inclusions in a solid Al matrix, Acta Materialia, 141 (2017) 427-433	M21a (6,037)
208.	M. R. Vranjes, J.Z. Kuljanin-Jakovljevic, Z. Konstantinovic, A. Pomar, M.M. Stoilkovic, M.N. Mitric, T. Radetic, Z.V. Saponjic, Shaped Co <sup>2+</sup> doped TiO <sub>2</sub> nanocrystals synthesized from nanotubular precursor: Structure and ferromagnetic behavior. Journal of advanced ceramics, 6 (2017) 220-229	M21 (1,605)
209.	V. Manojlović, Ž. Kamberović, M. Gavrilovski, M. Sokić, M. Korać, Combustion of metallurgical wastes using secondary aluminum foils, Combustion Science and Technology, 189, 6 (2017) 1072-1089	M22 (1,214)
210.	M. D. Sokić, J. N. Stojanović, B. R. Marković, M. Bugarčić, N. D. Šrbac, Ž. J. Kamberović, V. D. Manojlović, Effects of structural and textural grain characteristics on leaching of sulphide minerals from a polymetallic concentrate by sodium nitrate and sulphuric acid solution, Hemisjska Industrija, 71 (2017) 461-469	M23 (0,459)
211.	B. Marković, M. Sokić, I. Ilić, V. Manojlović, Z. Gulišija, D. Živković, N. Šrbac, Exergy concept and its implementation in the recycling of metals, Zaštita materijala, 58 (2017) 100-103	M24

## 2018

Р.Б.	Радови (на СЦИ/ ССЦИ листи) у научним часописима са званичне листе ресорног министарства за науку у сладу са захтевима допунских стандарда за дато поље (автори, назив рада, часопис, година, волумен и стране од-до)	М (IF)
1.	A. Šiljić-Tomić, D.Z. Antanasijević, M.Đ. Ristić, A.A. Perić-Grujić, V.V. Pocajt, A linear and non-linear polynomial neural network modeling of dissolved oxygen content in surface water: Inter- and extrapolation performance with inputs' significance analysis, Science of the Total Environment, 610 (2018) 1038-1046	M21a (4,900)
2.	M.S. Marković, D.B. Radosavljević, V.P. Pavićević, M.S. Ristić, S. Ž. Milojević, N.M. Bošković-Vragolović, V.B. Veljković, Influence of common juniper berries pretreatment on the essential oil yield, chemical composition and extraction kinetics of classical and microwave-assisted hydrodistillation, Industrial Crops and Products, 122 (2018) 402-413	M21 (3,849)
3.	M.M. Abudabbus, I.Lj. Jevremović, K.R. Nešović, A.A. Perić-Grujić, R.K. Yop, V.B. Misković-Stanković, In situ electrochemical synthesis of silver-doped poly(vinyl alcohol)/graphene composite hydrogels and their physico-chemical and thermal properties, Composites PART B-Engineering, 140 (2018) 99-107	M21a (6,864)
4.	K.R. Nešović, A.D. Janković, V.V. Kojić, M.S. Vukašinović-Sekulić, A.A. Perić-	M21a

	Grujić, R.K.Yop, V.B.Misković-Stanković, Silver/poly(vinyl alcohol)/chitosan/graphene hydrogels - Synthesis, biological and physicochemical properties and silver release kinetics, Composites PART B-Engineering, 154 (2018) 175-185	(6,864)
5.	D.Z. Antanasijević, V.V. Pocajt, J. Antanasijević, A.A. Perić-Grujić, M.Đ. Ristić, A novel SON2-based similarity index and its application for the rationalization of river water quality monitoring network, River Research and Applications, 34 (2018) 144-152	M21 (2,274)
6.	D.Z. Antanasijević, V.V. Pocajt, A.A. Perić-Grujić, M.Đ. Ristić, Multiple-input-multiple-output general regression neural networks model for the simultaneous estimation of traffic-related air pollutant emissions, Atmospheric Pollution Research, 9 (2018) 388-397	M22 (2,918)
7.	V.M. Adamović, D.Z. Antanasijević, M.Đ. Ristić, A.A. Perić-Grujić, V.V. Pocajt, An optimized artificial neural network model for the prediction of rate of hazardous chemical and healthcare waste generation at the national level, journal of Material Cycles and Waste Management, 20 (2018) 1736-1750	M22 (2,004)
8.	Milan Z Momčilović, Antonije Onjia, Dragana N Trajković, Miloš M Kostić, Dragan D Milenković, Danijela V Bojić, Aleksandar Lj Bojić, Experimental and modelling study on strontium removal from aqueous solutions by <i>Lagenaria vulgaris</i> biosorbent, Journal of Molecular Liquids 258 (2018) 335-344.	M21 (4,561)
9.	Michael Bučko, S Roy, P Valverde-Armas, Antonije Onjia, AC Bastos, Jelena Bajat, Voltammetric response of water in deep eutectic solvent based on choline chloride and urea, Journal of The Electrochemical Society 165 (2018) H1059-H1065.	M22 (3,120)
10.	Marija Šljivić-Ivanović, Ivana Smičiklas, Mihajlo Jović, Slavko Dimović, Antonije Onjia, Amendment Type and Dose Effects onto Coexisting Copper, Lead, and Nickel Ions Distribution in Soil, Water, Air, & Soil Pollution 229 (10) (2018) 339.	M23 (1,774)
11.	Jelena P Marković, Mihajlo D Jović, Ivana D Smičiklas, Marija Z Šljivić-Ivanović, Slavko N Smiljanić, Antonije Onjia, Aleksandar R Popović, Estimation of Cadmium uptake by tobacco plants from laboratory leaching tests, Journal of Environmental Science and Health, Part A 53 (2018) 352-361.	M23 (1,536)
12.	Ana Perošević, Lato Pezo, Danijela Joksimović, Dijana Đurović, Ivana Milašević, Milena Radomirović, Slavka Stanković, The impacts of seawater physicochemical parameters and sediment metal contents on trace metal concentrations in mussels—a chemometric approach, Environmental Science and Pollution Research 25 (2018) 28248–28263.	M22 (3,208)
13.	Ana Perošević, Danijela Joksimović, Dijana Đurović, Ivana Milašević, Milena Radomirović, Slavka Stanković, Human exposure to trace elements via consumption of mussels <i>Mytilus galloprovincialis</i> from Boka Kotorska Bay, Montenegro, Journal of Trace Elements in Medicine and Biology, 50 (2018) 554-559.	M22 (3,755)
14.	Danijela Joksimović, Ana Castelli, Ana Perošević, Dijana Đurović, Slavka Stanković, Determination of trace metals in <i>Mytilus galloprovincialis</i> along the BokaKotorska Bay, Montenegrin coast, Journal of Trace Elements in Medicine and Biology 50 (2018) 601-608.	M22 (3,755)
15.	Biljana D. Lazić, Biljana M. Pejić, Ana D. Kramar, Marija M. Vukčević, Katarina R. Mihajlovski, Jelena D. Rusmirović, Mirjana M. Kostić, Influence of hemicelluloses and lignin content on structure and sorption properties of flax fibers ( <i>Linum usitatissimum</i> L.), Cellulose 25 (2018) 697-709.	M21a (3,917)

16.	Milan Milivojević, Biljana Pejić, Marija Vukčević, Mirjana Kostić, Novi biosorbent na bazi vlakna konoplje ( <i>Cannabis sativa</i> ) i Ca-alginata za uklanjanje jona olova i cinka, <i>Zastita Materijala</i> 59 (2018) 67 – 76.	M24
17.	Ana M. Dugandžić, Andelka V. Tomašević, Dunja M. Dabić, Nataša Ž. Šekuljica, Marina M. Radišić, Slobodan D. Petrović, Dušan Ž. Mijin, Degradation of Nicosulfuron Using Fenton and Fenton-Like Reactions, <i>Chemical Industry &amp; Chemical Engineering Quarterly</i> , vol. 24 Issue 3 (2018) 201-208	M23 (0,806)
18.	M. Krstic, Z. Maksimovic, S. Ibrić, T. Bakić, J. Prodanovic, S. Ražić, Lignocellulosic biomass as a Source of Microcrystalline Cellulose – Chemical and Technological Characterization and Future Perspectives. <i>Cellulose Chemistry and Technology</i> , 52 (2018) 577-588	M22 (0,857)
18.	S. Davidović, M. Miljković, M. Gordić, A. Nešić, S. Dimitrijević-Branković, Response surface methodology for optimisation of edible coatings based on dextran from <i>Leuconostoc mesenteroides</i> T3, <i>Carbohydrate Polymers</i> , 184 (2018) 207 - 213	M21a (6,044)
19.	K. Mihajlovski, Ž. Radovanović, M. Carević, S. Dimitrijević-Branković, Valorization of damaged rice grains: Optimization of bioethanol production by waste brewer's yeast using an amylolytic potential from the <i>Paenibacillus chitinolyticus</i> CKS1, <i>Fuel</i> , 224 (2018) 591 - 599	M21a (5,128)
20.	A. Nešić, M. Gordić, S. Davidović, Ž. Radovanović, J. Nedeljković, I. Smirnova, P. Gurikov, Pectin-based nanocomposite aerogels for potential insulated food packaging application, <i>Carbohydrate Polymers</i> 195 (2018) 128-135	M21a (6,044)
21.	I.D. Vukoje, E.S. Džunuzović, S. Dimitrijević, A.S. Phillip, J.M. Nedeljković, Size-dependent antibacterial properties of Ag nanoparticles supported by amino-functionalized poly(GMA-co-EGDMA) polymer, <i>Polymer Composites</i> 40 (2018) 2901-2907	M21 (2,268)
22.	M.G. Miljković, V. Lazić, K. Banjanac, S.Z. Davidović, D.I. Bezbradica, A.D. Marinković, D. Sredojević, J.M. Nedeljković, S.I. Dimitrijević-Branković, Immobilization of dextranase on functionalized TiO <sub>2</sub> supports, <i>International Journal of Biological Macromolecules</i> , 114 (2018) 1216 - 1223	M21 (4,784)
23.	U. Bogdanović, S. Dimitrijević, S.D. Skapin, M. Popović, Z. Rakočević, A. Leskovac, S. Petrović, M. Stoiljković, V. Vodnik, Copper-polyaniline nanocomposite: Role of physicochemical properties on the antimicrobial activity and genotoxicity evaluation, <i>Materials Science and Engineering. C: Materials for Biological Applications</i> , 93 (2018) 49 - 60	M21 (4,959)
24.	N. Radovanović, M. Milutinović, K. Mihajlovski, J. Jović, B. Nastasijević, M. Rajilić-Stojanović, S. Dimitrijević-Branković, Biocontrol and plant stimulating potential of novel strain <i>Bacillus</i> sp. PPM3 isolated from marine sediment, <i>Microbial Pathogenesis</i> , 120 (2018) 71 - 78	M22 (2,581)
25.	N. Đorđević, A.D. Marinković, P. Živković, D.V. Kovačević, S. Dimitrijević, V. Kokol, P.S. Uskoković, Improving the Packaging Performance of Low-Density Polyethylene With PCL/Nanocellulose/Copper(II)Oxide Barrier Layer, <i>Science of Sintering</i> , 50 (2018) 149 - 161	M22 (0,885)
26.	D. Mladenović, J. Pejin, S. Kocić-Tanackov, Ž. Radovanović, A. Djukić-Vuković, L. Mojović, Lactic acid production on molasses enriched potato stillage by <i>Lactobacillus paracasei</i> immobilized onto agro-industrial waste supports. <i>Industrial Crops and Products</i> , 124 (2018) 142-148.	M21a (4,191)
27.	I. Djekic, N. Sanjuán, G. Clemente, A. Režek-Jambrak, A. Djukić-Vuković, U. Vrabič Brodnjak, E. Pop, R. Thomopoulos, A. Tonda, Review on environmental models in the food chain-Current status and future perspectives, <i>Journal of</i>	M21a (5,651)

	Cleaner Production, 176 (2018) 1012-1025.	
28.	J. Pejin, M. Radosavljević, M. Pribić, S. Kocić-Tanackov, D. Mladenović, A. Djukić-Vuković, L. Mojović, Possibility of L-(+)-lactic acid fermentation using malting, brewing, and oil production by-products. Waste Management, 79 (2018) 153-163.	M21 (5,431)
29.	L. Mančić, A. Djukić-Vuković, I. Dinić, M.G. Nikolić, M.D. Rabasović, A.J. Krmpot, A.M.L.M. Costa, D. Trišić, M. Lazarević, L. Mojović, O. Milošević,). NIR photo-driven upconversion in NaYF 4: Yb,Er/PLGA particles for in vitro bioimaging of cancer cells. Materials Science and Engineering C: Materials for biological applications, 91 (2018) 597-605.	M21 (5,080)
30.	L. Mancic, A. Djukić-Vuković, I. Dinic, M.G. Nikolic, M.D. Rabasovic, A.J. Krmpot, A.M.L.M. Costa, B.A. Marinkovic, L. Mojovic, O. Milosevic, One-step synthesis of amino-functionalized up-converting NaYF 4: Yb, Er nanoparticles for in vitro cell imaging. RSC Advances, 8 (2018) 27429-27437.	M22 (3,108)
31.	J. Jović, A. Buntić, N. Radovanović, B. Petrović, L. Mojović, Lignin-degrading abilities of novel autochthonous fungal isolates <i>Trametes hirsuta</i> F13 and <i>Stereum gausapatum</i> F28, Food Technology and Biotechnology, 56 (2018) 354-365.	M22 (1,517)
32.	M. Radosavljević, J. Pejin, S. Kocić-Tanackov, D. Mladenović, A. Djukić Vuković, L. Mojović, Brewers' spent grain and thin stillage as raw materials in L-(+)-lactic acid fermentation. Journal of the Institute of Brewing, 124 (2018) 23-30.	M23 (0,994)
33.	M.M. Pribić, J.D. Pejin, S.D. Kocić-Tanackov, A.P. Đukić-Vuković, L.V. Mojović, Micromalting of triticale varieties NS Paun and Odisej, Acta Periodica Technologica, 49 (2018) 137-145.	M24 (-)
34.	S. Đurović, B. Nikolić, N. Luković, J. Jovanović, A. Stefanović, N. Šekuljica, D. Mijin, Z. Knežević-Jugović, The impact of high-power ultrasound and microwave on the phenolic acid profile and antioxidant activity of the extract from yellow soybean seeds. Industrial Crops and Products, 122 (2018) 223-231.	M21a (4,191)
35.	A.B.Stefanović, J.R. Jovanović, B.D. Balanč, N.Ž. Šekuljica, S. Jakovetić Tanasković, M.B. Dojčinović, Z.D. Knežević-Jugović, Influence of ultrasound probe treatment time and protease type on functional and physicochemical characteristics of egg white protein hydrolysates, Poultry Science 97 (2018) 2218-2229.	M21a (2,216)
36.	S. Jakovetić Tanasković, N. Luković, S. Grbavčić, A. Stefanović, J. Jovanović, B. Bugarski, Z. Knežević-Jugović, Production of egg white protein hydrolysates with improved antioxidant capacity in a continuous enzymatic membrane reactor: optimization of operating parameters by statistical design. Journal of Food Science and Technology, 55 (2018) 128-137.	M22 (1,850)
37.	M.N. Radovanović, M.P. Nikolić, V.M. Đurović, B.Z. Jugović, M.M. Gvozdenović, B.N. Grgur, Z.D. Knežević-Jugović, Polyaniline stabilization of magnetic particles and immobilization of $\alpha$ -amylase. Hemijska Industrija, 72 (2018) 1-12.	M23 (0,591)
38.	Radisavljevic A, Stojanovic DB, Perisic S, Djokic V, Radojevic V, Rajilić-Stojanović M, Uskokovic PS Cefazolin-loaded polycaprolactone fibers produced via different electrospinning methods: Characterization, drug release and antibacterial effect. European Journal of Pharmaceutical Sciences 124:26-36	M21 (3.532)
39.	S.M. Embiriekah, M.Lj. Bulatović, M.Lj. Gnajatović, M.S. Vukašinović Sekulić, T.Ž. Krunić, D.B. Zarić, M.B. Rakin. Comparative analysis of functionality of spray dried whey protein hydrolysates obtained by enzymatic and microbial hydrolysis, Chemical Industry, 72 (2018) 265-274.	M23 (0.591)

40.	S. Embiriekah, M. Bulatović, M. Borić, D. Zarić, M. Rakin. Antioxidant activity, functional properties and bioaccessibility of whey protein hydrolysates, International Journal of Dairy Technology, 71 (2018) 243-252.	M22 (1.522)
41.	S. Arsić, M. Bulatović, D. Zarić, G. Kokeza, J. Subić, M. Rakin. Functional fermented whey carrot beverage - qualitative, nutritive and techno-economic analysis. Romanian Biotechnological Letters, 23 (2018), 13496 - 13504	M23 (0.590)
42.	S. Arsić, M. Bulatović, M. Rakin, M. Jeločnik, J. Subić. Economic and ecological profitability of the use of whey in dairy and food industry. Large Animal Review, 24 (2018) 99-105.	M23 (0.315)
43.	M. Carević, M. Vukašinović-Sekulić, M. Čorović, H. Rogniaux, D. Ropartz, D. Veličković, D. Bezbradica. Evaluation of $\beta$ -galactosidase from <i>Lactobacillus acidophilus</i> as biocatalyst for galacto-oligosaccharides synthesis: Product structural characterization and enzyme immobilization. Journal of Bioscience and Bioengineering, 126 (2018) 697-704	M21 (2,240)
44.	M. Čorović, A. Milivojević, M. Carević, K. Banjanac, Lj. Vujisić, R. Pjanović, D. Bezbradica. Enzymatic lipophilization of vitamin C with linoleic acid: Determination of antioxidant and diffusion properties of L-ascorbyl linoleate, Food and Feed Research, 45 (2018) 1-10	M24
45.	Milosevic, M., Stojanovic, D., Simic, V., Milićević, B, Radisavljević, A., Uskokovic, P., Kojic, M., A computational model for drug release from PLGA implant, Materials, 11 (2018) 2416	M22 (2,972)
46.	Obradović, V., Stojanović, D.B., Janković Častvan, I., Radojević, V., Uskoković, P.S., Processing and Characterisation of Hybrid Aramid Fabrics Reinforced with Cross-linked Electrospun PVB Composite Nanofibres, Fibers and Polymers, 19 (2018) 1921-1929	M21 (1,429)
47.	Perisic, S.D., Radovic, I., Petrovic, M., Marinkovic, A., Stojnovic, D., Uskokovic, P., Radojevic, V., Processing of hybrid wood plastic composite reinforced with short PET fibers, Materials and Manufacturing Processes, 33 (2018) 572-579	M22 (3,350)
48.	S. Arsić, M. Bulatović, D. Zarić, G. Kokeza, J. Subić, M. Rakin, Functional fermented whey carrt beverage - qualitative, nutritive and techno-economic analysis, Romanian Biotechnological Letters 23 (2018) 13496-13504.	M23
49.	N. M. Zarić, I. Deljanin, K. Ilijević, Lj. Stanisavljević, M. Ristić, I. Gržetić, Honeybees as sentinels of lead pollution: Spatio-temporal variations andsource appointment using stable isotopes and Kohonenself-organizing maps, Science of the Total Environment 642 (2018), 56-62.	M21a (5,589)
50.	Vladimir Adamović, Davor Antanasijević, Aleksandar Čosović, Mirjana Ristić, Viktor Pocajt, An artificial neural network approach for the estimation of the primary production of energy from municipal solid waste and its application to the Balkan countries, Waste Management, 78 (2018), 955-968.	M21 (5,431)
51.	Milica Karanac, Maja Đolić, Đorđe Veljović, Vladana Rajaković-Ognjanović, Zlate Veličković, Vladimir Pavićević and Aleksandar Marinković, The removal of $Zn^{2+}$ , $Pb^{2+}$ , and As(v) ions by lime activated fly ash and valorization of the exhausted adsorbent, Waste Management 78 (2018), 366-378.	M21 (5,421)
52.	Milica Karanac, Maja Đolić, Zlate Veličković, Ana Kapidžić, Valentin Ivanovski, Miodrag Mitić, and Aleksandar Marinković, Efficient Multistep Arsenate Removal onto Magnetite-modified Fly Ash, Journal of Environmental Management 224 (2018), 263-276.	M21 (4,010)
53.	Davor Antanasijević, Jelena Antanasijević, Viktor Pocajt, Prediction of the transition temperature of bent-core liquid crystals using fuzzy “digital thermometer” model based on artificial neural networks, Engineering	M21 (3,526)

	Applications of Artificial Intelligence, 71 (2018), 251-258.	
54.	N. M. Zarić, I. Deljanin, K. Ilijević, Lj. Stanisavljević, M. Ristić, I. Gržetić, Assessment of spatial and temporal variations in trace element concentrations using honeybees ( <i>Apis mellifera</i> ) as bioindicators, Peer, 6 (2018), 1-19.	M21 (2,118)
55.	Vladimir M. Adamović, Davor Z. Antanasijević, Mirjana Đ. Ristić, Aleksandra A. Perić-Grujić, Viktor V. Pocajt, An optimized ANN model for the prediction of rate of hazardous chemical and healthcare waste generation at the national level, Journal of Material Cycles and Waste Management 20 (2018), 1736-1750.	M22 (2,004)
56.	Aleksandra N. Šiljić Tomić, Davor Z. Antanasijević, Mirjana Đ. Ristić, Aleksandra A. Perić-Grujić, Viktor V. Pocajt, Application of experimental design for the optimization of artificial neural network-based water quality model: A case study of dissolved oxygen prediction, Environmental Science and Pollution Research, 25 (2018), 9360–9370.	M22 (2,914)
57.	Marija Egerić, Ivana Smičiklas, Ana Mraković, Mihajlo Jović, Marija Šljivić Ivanović, Davor Antanasijević, Mirjana Ristić, Experimental and theoretical consideration of the factors influencing cationic pollutants retention by seashell waste, Journal of Chemical Technology and Biotechnology, 93 (2018) 1477-1487.	M22 (2,659)
58.	Sonja Miličević, Sanja Martinović, Vladan Milošević, Jovica Stojanović, Dragan Povrenović, Differences in Coating Mechanism of Structurally Different Aluminosilicates Observed Through the Thermal Analysis, Journal of Thermal Analysis and Calorimetry, 134 (2018), 1011-1019.	M22 (2.47)
59.	Marija Egerić, Ivana Smičiklas, Ana Mraković, Mihajlo Jović, Marija Šljivić-Ivanović, Jovica Sokolović, Mirjana Ristić, Separation of Cu(II) ions from synthetic solutions and wastewater by raw and calcined seashell waste, Desalination and Water Treatment, 132 (2018) 205–214.	M22 (1,234)
60.	Sveti Rakić, Jelena Kukić-Marković, Silvana Petrović, Vele Tešević, Snežana Janković, Dragan Povrenović, Oak Kernels-Volatile Constituents and Coffee-Like Beverages, Journal of Agricultural Science, 10 (2018) 117-124.	M22 (1,33)
61.	Tijana Urošević, Dragan Povrenović, Predrag Vukosavljević, Ivan Urošević, Microfiltration with periodic gas backwashing as an alternative technique for increasing permeate flux, Hemijska industrija, 72 (2018) 59-68.	M23 (0,566 )
62.	D. Marković M. Korica, M. Kostić, Ž. Radovanović, Z. Šaponjić, M. Mitrić, M. Radetić, In situ synthesis of Cu/Cu <sub>2</sub> O nanoparticles on the TEMPO oxidized cotton fabrics, Cellulose, 25 (2018) 829-841.	M21a (3,917)
63.	D. Marković, C. Deeks, T. Nunney, Ž. Radovanović, M. Radoičić, Z. Šaponjić, M. Radetić, Antibacterial activity of Cu-based nanoparticles synthesized on the cotton fabrics modified with polycarboxylic acids, Carbohydrate Polymers, 200 (2018) 173-182.	M21a (6,044)
64.	N. Knežević, N. Ilić, V. Djokić, R. Petrović, Đ. Janaćković, Mesoporous Silica and Organosilica Nanomaterials as UV-Blocking Agents, ACS Applied Materials & Interfaces 10 (2018) 20231-20236.	M21a (8,097)
65.	G. Ayoub, Dj. Veljović, M. Ležaja Zebić, V. Miletić, E. Palcevskis, R. Petrović, Dj. Janaćković, Composite nanostructured hydroxyapatite/yttrium stabilized zirconia dental inserts – The processing and application as dentin substitutes, Ceramics International, 44 (2018) 18200-18208.	M21a (3,450)
66.	J. Marjanović, Dj. Veljović, J. Stašić, T. Savić-Stanković, B. Trifković, V. Miletić, Optical properties of composite restorations influenced by dissimilar dentin restoratives, Dental Materials, 34 (2018) 737-745.	M21a (4,440)
67.	J. Pajnik, M. Radetić, D.B. Stojanovic, I. Janković-Častvan, V. Tadić, M.V. Stanković, D.M. Jovanović, I. Žižović, Functionalization of polypropylene,	M21 (3.481)

	polyamide and cellulose acetate materials with pyrethrum extract as a natural repellent in supercritical carbon dioxide, Journal of Supercritical Fluids, 136 (2018) 70-81.	
68.	I. Nikolić, S. Marković, L. Veselinović, V.V. Radmilović, I. Janković-Častvan, V. R. Radmilović, Enhanced sorption of Cu <sup>2+</sup> from sulfate solutions onto modified electric arc furnace slag, Materials Letters, 235 (2019) 184–188.	M21 (3.019)
69.	D. Marković, S. Milovanović, Ž. Radovanović, I. Zizović, Z. Šaponjić, M. Radetić, Floating Photocatalyst Based on Poly( $\epsilon$ -caprolactone) Foam and TiO <sub>2</sub> Nanoparticles for Removal of Textile Dyes, Fibers and Polymers, 19 (2018) 1219-1227.	M21 (1.439)
70.	N. Z. Tomić, P. Milanović, B. Međo, M. Vuksanović, Dj. Veljović, M. Rakin, R. Jančić-Heinemann, Image analysis and the finite element method in the characterization of the influence of porosity parameters on the mechanical properties of porous EVA/PMMA polymer blends, Mechanics of Materials, 129 (2018) 1-14.	M21 (2,958)
71.	Sonja Smiljanic, Emilia Karamanova, Snežana Grujić, Jelena Rogan, Jovica Stojanović, Srđan Matijašević, Alexander Karamanov, Sintering, crystallization and foaming of La <sub>2</sub> O <sub>3</sub> ·SrO·5B <sub>2</sub> O <sub>3</sub> glass powders -effect of the holding temperature and the heating rate, Journal of Non-Crystalline Solids, 481 (2018) 375-382.	M21 (2,488)
72.	J. Vujančević, A. Bjelajac, J. Ćirković, V. Pavlović, E. Horvath, L. Forró, B. Vlahović, M. Mitrić, Đ. Janaćković, V. Pavlović, Structure and photocatalytic properties of sintered TiO <sub>2</sub> nanotube arrays, Science of sintering, 50 (2018) 39-50.	M22 (0,885)
73.	A. Bjelajac, R. Petrovic, V. Djokic, V. Matolin, M. Vondracek, K. Dembele, S. Moldovan, O. Ersen, G. Socol, I. N. Mihailescu, Dj. Janackovic, Enhanced absorption of TiO <sub>2</sub> nanotubes by N doping and CdS quantum dots sensitization: insight into the structure, RSC Advances, 8 (2018) 35073-35082.	M22 (3,049)
74.	Ž. Radovanović, Đ. Veljović, L. Radovanović, I. Zalite, E. Palcevskis, R. Petrović, Đ. Janaćković, Ag <sup>+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> doped hydroxyapatite/tricalcium phosphate bioceramics: Influence of doping and sintering technique on mechanical properties, Processing and Application of Ceramics, 12 (2018) 269-277.	M22 (0,976)
75.	J.D. Zdravković, L. Radovanović, D. Poleti, J.R. Rogan, P.J. Vulić, Ž. Radovanović, D.M. Minić, Mechanism and degradation kinetics of zinc complex containing isophthalato and 2,2'-dipyridylamine ligands under different atmospheres, Solid State Sciences 80 (2018) 123-131.	M22 (2,155)
76.	N. Z. Tomić, A. D. Marinković, Dj. Veljović, K. Trifković, S. Lević, V. Radojević, R. Jančić-Heinemann, A new approach to compatibilization study of EVA/PMMA polymer blend used as an optical fibers adhesive: Mechanical, morphological and thermal properties, International Journal of Adhesion and Adhesives, 81 (2018) 11-20.	M22 (2,501)
77.	Srđan D. Matijašević, Snežana R. Grujić , Vladimir S. Topalović, Jelena D. Nikolić, Sonja V. Smiljanic, Nebojša J. Labus, Veljko V. Savić, Non-Isothermal Crystallization of Lithium Germanophosphate Glass Studied by Different Kinetic Methods, Science of Sintering, 50 (2018) 193-203.	M22 (0,905)
78.	S. Marković, I. Stojković Simatović, S. Ahmetović, L. Veselinović, S. Stojadinović, V. Rac, S.D. Škapin, D. Bajuk Bogdanović, I. Janković Častvan, D. Uskoković, Surfactant-assisted microwave processing of ZnO particles: A simple way for designing the surface-to-bulk defect ratio and improving photo(electro)catalytic properties, RSC Advances, 9 (2019) 17165-17178 .	M22 (3,049)

79.	I. Nikolić, M. Tadić, I. Janković-Častvan, V.V. Radmilović, V.R. Radmilović, Durability of alkali activated slag in a marine environment: Influence of alkali ion, Journal of the Serbian Chemical Society, 83 (2018)1143-1156.	M23 (0,828)
80.	N. Ivankovic, D. Rajic, R. Karkalic, D. Jankovic, Z. Radovanovic, S. Stupar, D. Jankovic, Influence of the aerosol flow and exposure time on the structural changes in the filtering half masks material, Journal of the Serbian Chemical Society, 83 (2018) 1-9.	M23 (0,828)
81.	D. Marković. S. Milovanović, M. Radović, Ž. Radovanović, I. Žižović, Z. Šaponjić, M. Radetić, Removal of textile dyes from water by TiO <sub>2</sub> nanoparticles immobilized on poly(ε-caprolactone) beads and foams, Journal of the Serbian Chemical Society, 83 (2018) 1379-1389.	M23 (0,828)
82.	A. Egelja, S. Pašalić, V. Dodevski, M. Kragović, I. Stojković-Simatović, Ž. Radovanović, M. Stojmenović, Structural, Morphological and Electrical Properties of Alumina/YAG Composites as Solid Electrolyte for IT – SOFC, Science of Sintering, 50 (2018) 357-369.	M23 (0,885)
83.	A. H. Modrić-Šahbazović, M. M. Novaković, V. R. Djokić, I. M. Gazdić, N. M. Bibić, and Z. Lj. Rakočević, Formation of a large-area monolayer of polystyrene film via the spin-coating method, Nuclear Technology & Radiation Protection 33 (2018) 246-251.	M23 (0,614)
84.	D. R. Barjaktarević, V. R. Djokić, I. D. Damnjanović, M. P. Rakin, Nanotubular oxide layers formed on the Ti-based implants surfaces - application and possible damages: A review, Metallurgical and Materials Engineering 24 (2018) 243-259.	M24
85.	D. R. Barjaktarević, M. P. Rakin, V. R. Djokić, Characterisation of the nanotubular oxide layer formed on the ultrafine-grained titanium, Metallurgical and Materials Engineering 24 (2018) 261-270.	M24
86.	T. Matić, M. Ležaja Zebić, I. Cvijović-Alagić, V. Miletić, R. Petrović, Dj. Janaćković, Dj. Veljović, The effect of calcinated hydroxyapatite and magnesium doped hydroxyapatite as fillers on the mechanical properties of a model BisGMA/TEGDMA dental composite initially and after aging, Metallurgical and Materials Engineering, 24 (2018) 271-281.	M24
87.	N. Z Tomić, M. M Vuksanović, Dj. Veljović, A. Marinković, V. Radojević, R. Jančić Heinemann, Bisphenol A removal from aqueous solution using fine α-Fe <sub>2</sub> O <sub>3</sub> particles, Metallurgical and Materials Engineering, 24 (2018) 283-289.	M24
88.	I. Dimić, I. Cvijović-Alagić, A. Hohenwarter, R. Pippan, V. Kojić, J. Bajat, M. Rakin, Electrochemical and biocompatibility examinations of high-pressure torsion processed titanium and Ti-13Nb-13Zr alloy. Journal of Biomedical materials research part- B - Applied, 106b (2018) 1097-1107	M21 (3,373)
89.	I. Cvijovic-Alagić, Z. Cvijović, J. Maletaskić, M. Rakin, Initial microstructure effect on the mechanical properties of Ti-6Al-4V ELI alloy processed by high-pressure torsion. Materials Science and Engineering A: Structure Materials Properties Microst., 736 (2018) 175-192	M21 (4,081)
90.	W. Musraty, B. Međo, N. Gubeljak, P. Štefane, Z. Radosavljević, Z. Burzić, M. Rakin: Seam pipes for process industry - fracture analysis by using ring-shaped specimens. Hemisjska industrija, 72/1 (2018) 39-46	M23 (0,566)
91.	D. R. Barjaktarević, V. R. Đokić, M. P. Rakin, Nanotubular oxide layer formed on the Ti-based implants surfaces-application and possible damages: A review. Metallurgical and Materials Engineering, 24/4 (2018) 243-259	M24
92.	M. Mrdak, Č. Lačnjevac, M. Rakin, N. Bajić, Characterization of tantalum coatings deposited using vacuum plasma spray process. Zaštita materijala, 59/4 (2018) 489-494	M24

93.	M. Mrdak, Č. Lačnjevac, M. Rakin, Mechanical and structural features of Nb coating layers deposited on steel substrates in a vacuum chamber. <i>Zaštita materijala</i> , 59/2 (2018) 167-172	M24
94.	N. Tomic, M. Vuksanovic, B. Medo, M. Rakin, D. Trifunovic, D. Stojanovic, P. Uskokovic, R. Janicic - Heinemann, V. Radojevic: Optimizing the thermal gradient and the pulling speed in a thermoplastic pultrusion process of PET/E glass fibers using finite element method. <i>Metallurgical and Materials Engineering</i> , 24/2 (2018) 103-112	M24
95.	B. Medo, M. Arsic, M. Rakin, S. Sedmak, Z. Savic, Integrity assessment of vital beam components that enable conjoint operation of two bridge cranes. <i>Structural Integrity and Life / Integritet i vek konstrukcija</i> , 18/1 (2018) 53-59	M24
96.	I. Vujcic, T. Gavrilovic, M. Sekulic, S. Maisic, S. Putic, J. Papan, M. D. Dramicanin, "Gamma-radiation effects on luminescence properties of Eu <sup>3+</sup> activated LaPO <sub>4</sub> phosphor", <i>Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms</i> , Volume 422 (2018) 85–90	M22 (1,323)
97.	G. Lazouzi, M. M. Vuksanovic, N. Z. Tomic, M. Mitić, M. Petrović, V. Radojević, R. Janić Hainemann, Optimized preparation of alumina based fillers for tuning composite properties, <i>Ceramics International</i> , 44 (2018) 7442-7449	M21a (3,450)
98.	A. A. Elmadiani, N. Tomic, M. Petrović, D. B. Stojanović, V. Mirjanić, R. J. Heinemann, V. Radojević, Influence of surface modification to mechanical and thermal properties of nanomodified acrylic dental resin, <i>Digest Journal of Nanomaterials and Biostructures</i> , 13 (2018) 23-29	M23 (0,638)
99.	P. Milanovic, M. M. Vuksanovic, M. Mitić, A. Kojovic, D. Mijin, R. Janić-Hainemann, Alumina Particles Doped With Ferric as Efficient Adsorbent for Removal of Reactive Orange 16 from Aqueous Solutions, <i>Science Of Sintering</i> , 50 (2018) 467 – 476	M22 (0,885)
100.	P. Milanovic, M. M. Vuksanovic, M. Mitić, D. B. Stojanović, A. Kojovic Aleksandar, J. Rogan, R. Janić-Hainemann, Electrospun Alumina Fibers Doped With Ferric and Magnesium Oxides, <i>Science Of Sintering</i> , 50 (2018) 77 - 83	M22 (0,885)
101.	M.M. Vuksanovic, M. Gajic-Kvaščev, M. Dojčinović, T.V. Husović, R.J. Heinemann, New surface characterization tools for alumina based refractory material exposed to cavitation - Image analysis and pattern recognition approach. <i>Materials Characterization</i> , 144 (2018) 113-119	M21a (2,892)
102.	S. Martinovic, M. Vlahovic, M. Dojčinović, M. Pavlović, T. Volkov Husović, Comparison of cavitation erosion behavior of cordierite and zircon based samples using image and morphological analyses. <i>Materials Letters</i> , 220 (2018) 136-139	M22 (3,019)
103.	O. Eric Cekic, M. Dojcinovic, D. Rajnovic, L. Sidjanin, S. Balos, Microstructure and cavitation behaviour of alloyed austempered ductile irons. <i>International Journal of Cast Metals Research</i> , 31 (2018) 279-287	M23 (0,978)
104.	A.A. Algellai, M. M. Vuksanovic, N. Z. Tomic, A. B. Marinkovic, M. B. Dojcinovic, T.V. Volkov-Husovic, R.M. Jancic-Heinemann, Improvement of cavitation resistance of composite films using functionalized alumina particles. <i>Hemjiska industrija</i> , 72 (2018) 205-213	M23 (0,566)
105.	D. Tripkovic, S. Stevanovic, A. Gavrilovic, J. Rogan, U. Lačnjevac, T. Kravić, V. Jovanovic, The role of SnO <sub>2</sub> on electrocatalytic activity of PtSn catalysts, <i>Electrocatalysis</i> , 9 (2018) 76-85	M22 (2,398)
106.	J. Mirkovic, B. Božić, V. Vitnik, Ž. Vitnik, J. Rogan, D. Poleti, G. Uščumlić, D. Mijin, Structural, spectroscopic and computational study of 5-(substituted phenylazo)-3-cyano-1-ethyl-6-hydroxy-4-methyl-2-pyridones, <i>Coloration</i>	M21 (1,107)

	Technology, 134 (2018) 33-43	
107.	L. Radovanović, J. Rogan, D. Poleti, M.V. Rodić, Z. Jagličić, Diaquabis(2,2'-dipyridylamine) M(II) terephthalate dihydrates, M(II) = Ni, Co: Synthesis, Crystal structures, Thermal and Magnetic Properties, <i>Acta Chimica Slovenica</i> , 65 (2018) 191-198	M23 (1,076)
108.	A. Radojković, D. Luković Golić, J. Ćirković, Z. Marinković Stanojević, D. Pajić, F. Torić, A. Dapčević, P. Vulić, Z. Branković, G. Branković, Tuning of BiFeO <sub>3</sub> multiferroic properties by light doping with Nb, <i>Ceramics International</i> , 44 (2018) 16739–16744	M21a (3,450)
109.	S. Filipović, N. Obradović, S. Marković, A. Đorđević, I. Balać, A. Dapčević, J. Rogan, V. Pavlović, Physical Properties of Sintered Alumina Doped with Different Oxides, <i>Science of Sintering</i> , 50 (2018) 409-419	M23 (0,885)
110.	D. Antanasijević, I. Matić Bujagić, S. Grujić, M. Laušević, Effect of compositional data in the multivariate analysis of sterol concentrations in river sediments, <i>Microchemical Journal</i> , 139 (2018) 188-195	M21 (3,206)
111.	Lj. Tolić, S. Grujić, M. Laušević, Development and validation of a stability-indicating LC–UV and LC–MS/MS methods for quantitative analysis of anisomycin and identification of degradation products, <i>Brazilian Journal of Pharmaceutical Sciences</i> , 54 (2018) e17491-e17503	M23 (0,483)
112.	M. Ponjavić, M. S. Nikolić, S. Jeremić, L. Djokić, J. Nikodinović-Runić, V. R. Čosović, J. Djonlagić, Influence of short central PEO segment on hydrolytic and enzymatic degradation of triblock copolymers, <i>Journal of Polymers and the Environment</i> , 26 (2018) 2346-2359	M21 (2,765)
113.	M. Tomic, B. Dunjić, M. S. Nikolić, J. Maletaški , V. B. Pavlović, J. Bajat, J. Djonlagić, Dispersion efficiency of montmorillonites in epoxy nanocomposites using solution intercalation and direct mixing methods, <i>Applied Clay Science</i> , 454 (2018) 198-209	M21 (3,890)
114.	J. Radosavljević, Lj. Nikolić, M. Nikolić, S. Ilić Stojanović, Effect of ZnO on mechanical and electrical properties of peroxide cured EPDM, <i>International Polymer Processing</i> , 5 (2018) 695-705	M23 (0,942)
115.	M. Z. Pavlicevic, M.D. Tomic, J. A. Djonlagic, S. P. Stanojevic, B. V. Vuclic Radovic, Evaluation of Variation in Protein Composition on Solubility, Emulsifying and Gelling Properties of Soybean Genotypes Synthesizing β' Subunit, <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 95 (2018) 123-134	M22 (1,720)
116.	Ž. Kamberović, M. Ranitović, M. Korać, Z. Andić, N. Gajić, J. Đokić, S. Jevtić, Hydrometallurgical Process for Selective Metals Recovery from Waste-Printed Circuit Boards, <i>Metals</i> , 8 (2018) 441-460	M21 (1,899)
117.	J. Zec, N.Z.Tomić, M. Zrilić, S. Lević, A. Marinković, R. Jančić Heinemann, Optimization of Al <sub>2</sub> O <sub>3</sub> particle modification and UHMWPE fiber oxidation of EVA based hybrid composites: Compatibility, morphological and mechanical properties. <i>Composites Part B: Engineering</i> 153 (2018) 36-48.	M21a (6,864)
118.	D. Mijin, B. Božić, J. Lađarević, L. Matović, G. Ušćumlić, V. Vitnik, Ž. Vitnik, Solvatochromism and quantum mechanical investigation of disazo pyridone dye. <i>Coloration Technology</i> 134 (2018) 478-490.	M21 (1,241)
119.	J. D. Rusmirović, M. P. Rančić, V. B. Pavlović, V. M. Rakić, S. Stevanović, J. Djonlagić, A. D. Marinković, Cross Linkable Modified Nanocellulose/Polyester Resin-Based Composites: Effect of Unsaturated Fatty Acid Nanocellulose Modification on Material Performances. <i>Macromolecular Materials and Engineering</i> , DOI: 10.1002/mame.201700648	M21 (3,038)

120.	D.R. Brkić, A.R. Božić, A.D. Marinković, M.K. Milčić, N.Ž. Prlainović , F.H. Assaleh , I.N. Cvijetić , J.B. Nikolić, S.Ž. Drmanić, Detailed solvent, structural, quantum chemical study and antimicrobial activity of isatin Schiff base. <i>Spectrochimica Acta Part A</i> . 196 (2018) 16–30.	M21 (2,665)
121.	D. Mijin, B. Božić Nedeljković, B. Božić, I. Kovrlija, J. Lađarević, G. Uščumlić, Synthesis, solvatochromism, and biological activity of novel azo dyes bearing 2-pyridone and benzimidazole moieties. <i>Turkish Journal of Chemistry</i> 42 (2018) 896 – 907.	M22 (1,000)
122.	P. Milanović, M. M. Vuksanović, M. Mitrić, A. Kojović, D. Mijin, R. Jančić-Hainemann, Alumina Particles Doped With Ferric as Efficient Adsorbent for Removal of Reactive Orange 16 from Aqueous Solutions. <i>Science of Sintering</i> 50 (2018) 467-476.	M22 (0,885)
123.	A. A.Algellaia, M. M.Vuksanović, N. Z.Tomić A., D. Marinkovića K.D.Obradović – Đuričić,V. J.Radojević, R. M. Jančić Heinemann, The implementation of image analysis for the visualization of adhesion assessment of a composite film. <i>Materials Letters</i> 227 (2018) 25-28.	M22 (7,440)
124.	A. R. Božić, S. K. Bjelogrlić, I. T. Novaković, P. M. Petrović, A. D. Marinković, T. R. Todorović, I. N. Cvijetić, Antimicrobial Activity of Thiocarbohydrazones: Experimental Studies and Alignment Independent 3D QSAR Models. <i>Chemistry Select</i> 3 (2018) 2215-2221.	M22 (1,716)
125.	N.Z. Tomić, A.D. Marinković, Ž. Radovanović, K. Trifković, M. Marinović-Cincović, R. Jančić Heinemann, A new method in designing compatibility and adhesion of EVA/PMMA blend by using EVA-g-PMMA with controlled graft chain length. <i>Journal of Polymer Research</i> 25 (2018) 96	M22 (1,530)
126.	B. Božić, J. Lović, N. Banjac, Ž. Vitnik, V. Vitnik, D.Mijin, G. Uščumlić, M. Avramov Ivić, Voltammetric and Quantum Investigation of Selected Succinimides. <i>International Journal of Electrochemical Science</i> 13 (2018) 4285 – 4297.	M23 (1,284)
127.	J. Lović, S. Stevanović, B. Andjelković, S. Petrović, D. Vuković, N. Prlainović, D. Mijin, N.D. Nikolić, M. Avramov Ivić, Electrochemical glucose biosensor with the characterization of surface morphology and content of glucose oxidase-glutaraldehyde-cysteine layers on gold electrode. <i>International Journal of Electrochemical Science</i> 13 (2018) 12340 – 12348.	M23 (1,284)
128.	N.Ž. Prlainović, M.P. Rančić, I.Stojiljković, J.B. Nikolić, S.Ž. Drmanić, I. Ajaj, A. D. Marinković, „Experimental and theoretical study on solvent and substituent effect in 3-(4-substituted)phenylamino)isobenzofuran-1(3H)-ones“. <i>Journal of Serbian Chemical Society</i> 83 (2018) 139-155.	M23 (0,822)
129.	M.D. Milošević, N.Ž. Prlainović, M. Milčić, V. Nikolić, A. Božić, Miljan Bigović, A.D. Marinković, Solvent, structural, quantum chemical study and antioxidative activity of symmetrical 1-methyl-2,6-bis[2-(substituted phenyl)ethenyl] pyridinium iodides. <i>Journal of the Iranian Chemical Society</i> 15 (2018) 2483–2501.	M23 (1,742)
130.	S. S. Krstić, M. M. Kragović, V. M. Dodevski, A. D. Marinković, B. V. Kaluđerović, G. Žerjav, A. Pintar, M. C. Pagnacco, M. D. Stojmenović, Influence of temperature and different hydroxides on properties of activated carbon prepared from saccharose. Characterization, thermal degradation kinetic and dyes removal from water solutions. <i>Science of Sintering</i> 50 (2018) 255-273.	M23 (0,885)
131.	M. Milosavljević, Lj. Babicev, S. Belošević, D. Daničić, M. Milošević, J. Rusmirović, A. Marinković, Innovative environmentally friendly technology for copper(II) hydroxide production. <i>Hemijačka industrija</i> 72 (2018) 363-370.	M23 (0,566)

132.	Stamenić, M., Dikić, V., Mandić, M., Todić, B., Bukur, D.B., Nikičević, N.M. Multiscale and Multiphase Model of Fixed-Bed Reactors for Fischer-Tropsch Synthesis: Optimization Study Industrial and Engineering Chemistry Research 57 (2018) 3149-3162	M21 (3,375)
133.	Milovanovic, S., Hollermann, G., Errenst, C., Pajnik, J., Frerich, S., Kroll, S., Rezwan, K., Ivanovic, J. Supercritical CO <sub>2</sub> impregnation of PLA/PCL films with natural substances for bacterial growth control in food packaging. Food Research International 107 (2018) 486-495	M21 (3,579)
134.	A. Knežević, M. Stajić, I. Sofrenić, T. Stanojković, I. Milovanović, V. Tešević, J. Vukojević, Antioxidative, antifungal, cytotoxic and antineurodegenerative activity of selected <i>Trametes</i> species from Serbia. Plos One, (2018) 13: e0203064.	M21 (2.776)
135.	D. Marković, S. Milovanović, K. De Clerck, I. Zizovic, D. Stojanović, M. Radetić, Development of material with strong antimicrobial activity by high pressure CO <sub>2</sub> impregnation of polyamide nanofibers with thymol, Journal of CO <sub>2</sub> Utilization 26 (2018) 19-27	M21a (5,189)
136.	I. T. Žižović, L. Senerovic, I. Moric, T. Adamovic, M. Jovanovic, M. Kalagasisidis Krusic, D. Misic, D. Stojanović, S. Milovanovic, Utilization of supercritical carbon dioxide in fabrication of cellulose acetate films with anti-biofilm effects against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> , The Journal of Supercritical Fluids 140 (2018) 11-20	M21 (3,481)
137.	H. Liu, I. Lukić, M.R. Miladinović, V.B. Veljković, M. Zdujić, X. Zhu, Y. Zhang, D.U. Skala, Continuous biodiesel production under subcritical condition of methanol – Design of pilot plant and packed bed reactor with MnCO <sub>3</sub> /Na-silicate catalyst, Energy Conversion and Management 168 (2018) 494–504.	M21a (7,181)
138.	Y. Zhang, H. Liu, X. Zhu, I. Lukić, M. Zdujić, X. Shen, D. Skala, Biodiesel synthesis and kinetic analysis based on MnCO <sub>3</sub> /Na silicate as heterogeneous catalyst, Journal of Serbian Chemical Society 83 (2018) 345–365.	M23 (0,828)
139.	L. Wang, H. Liu, S. Nasreen, I. Lukić, D. Skala, High temperature transesterification of soybean oil with methanol using manganese carbonate as catalyst, Chemical Industry and Chemical Engineering Quarterly 24 (2018) 9–22.	M23 (0,806)
140.	I Terzic, J. Ivanovic, I. Zizovic, M. Lucic Skoric, N. Milosavljevic, N. Milasinovic, M. Kalagasisidis Krusic, A novel chitosan gels: Supercritical CO <sub>2</sub> drying and impregnation with thymol, Polymer Engineering and Science 58 (2018) 2192-2199	M22 (1,920)
141.	A.D. Kramar, B.M. Obradović, A. Vesel, M.M. Kuraica, M.M. Kostić, Surface cleaning of raw cotton fibers with atmospheric pressure air plasma, Cellulose, 25 (2018) 4199-4209	M21a (3,917)
142.	T.V. Mihailovic, K.A. Asanovic, D.D. Cerovic, Structural design of face fabrics and the core as a premise for compression behavior of 3D woven sandwich fabric, Journal of Sandwich Structures and Materials, 20 (2018) 718-734	M21a (5,015)
143.	K.A. Asanovic, D.D. Cerovic, M.M. Kostic, S.B. Maletic, A.D. Kramar, Multipurpose nonwoven viscose/polypropylene fabrics: Effect of fabric characteristics on sorption and dielectric properties, Journal of Polymer Science, Part B: Polymer Physics, 56 (2018) 947–957	M21 (2,838)
144.	L. Fras Zemljic, Z. Peršin, O. Šauperl, A. Rudolf, M. Kostić, Medical textiles based on viscose rayon fabrics coated with chitosan-encapsulated iodine: antibacterial and antioxidant properties, Textile Research Journal, 88 (2018) 2519-2531	M21 (1,613)
145.	A.D. Kramar, K.A. Asanović, B.M. Obradović M.M. Kuraica, M.M. Kostić, Electrical resistivity of plasma treated viscose and cotton fabrics with incorporated	M21 (1,439)

	metal ions, Fibers and Polymers, 19 (2018) 571-579	
146.	J.Z. Milanovic, P. Milanovic, R. Kragic, M. Kostic, "Do-It-Yourself" reliable pH-stat device by using open-source software, inexpensive hardware and available laboratory equipment, PLoS ONE, 13 (2018) e0193744	M21 (2,806)
147.	T. Nikolić, T. Hajnrih, A. Kramar, Z. Petronijević, M. Kostić, Influence of periodate oxidation on sorption properties of viscose yarn, Cellulose Chemistry and Technology, 52 (2018) 459-467	M22 (0,857)
148.	S. Naghdi, K. Nešović, V. Mišković-Stanković, K.Y.Rhee, Comprehensive electrochemical study on corrosion performance of graphene coatings deposited by chemical vapour deposition at atmospheric pressure on platinum-coated molybdenum foil, Corrosion Science, 130 (2018) 31-44.	M21a (6,355)
149.	G. Mittal, K.Y. Rhee, V. Mišković-Stanković, D. Hui, Reinforcements in multi-scale polymer composites: Processing, properties, and applications, Compos. Part B Eng. 138 (2018) 122-139.	M21a (6,864)
150.	M. Tomic; B. Dunjic, M. S Nikolic, J. Maletaškić, V.B. Pavlović, J. Bajat, J. Djonlagić, "Dispersion efficiency of montmorillonites in epoxy nanocomposites using solution intercalation and direct mixing methods", Applied Clay Science, 154 (2018) 52–63.	M21 (3,890)
151.	A.A. Salem, B.N.Grgur, The influence of the polyaniline initial oxidation states on the corrosion of steel with composite coatings, Progress in Organic Coatings, 119 (2018) 138-144.	M21 (2,632)
152.	J. Zvicer, V. Mišković-Stanković, B. Obradović, Functional bioreactor characterization to assess potentials of nanocomposites based on different alginate types and silver nanoparticles for use as cartilage tissue implants, J. Biomed. Mater. Res. A, 107, 4 (2018) 755-768.	M21 (3,317)
153.	M. Stevanović, M. Đošić, A. Janković, V. Kojić, M. Vukašinović-Sekulić, J. Stojanović, J.Odović, M. Crevar Sakač, K. Y. Rhee, V. Mišković-Stanković, Gentamicin-Loaded Bioactive Hydroxyapatite/Chitosan Composite Coating Electrodeposited on Titanium, ACS Biomaterials Science & Engineering 4, 12 (2018) 3994-4007.	M21 (4,511)
154.	A. Alil, M. Popović, J. Bajat, E. Romhanji, "Mechanical and corrosion properties of AA5083 alloy sheets produced by accumulative roll bonding (ARB) and conventional cold rolling (CR)", Materials and Corrosion, 69 (2018) 858-869.	M22 (1,458)
155.	T. S. Radoman, J. V. Džunuzović, P. M. Spasojević, M. T. Marinović-Cincović, K. B. Jeremić, I. G. Popović, E. S. Džunuzović, "Preparation and properties of short oil alkyd resin/TiO <sub>2</sub> nanocomposites based on surface modified TiO <sub>2</sub> Nanoparticles", Polymer Composites 39 (2018) 1488-1499	M22 (2,268)
156.	J. Stojkova, Z. Djurdjevic, I. Jancic, B. Bufan, M. Milenkovic, R. Jankovic, V. Miskovic-Stankovic, B. Obradovic, Comparative in vivo evaluation of novel formulations based on alginate and silver nanoparticles for wound treatments, Journal of Biomaterials Applications, 32 (2018) 1197-1211.	M22 (2,442)
157.	N.R. Elezović, P. Zabinski, M.N. Krstajić Pajić, T. Tokarski, B.M. Jović, V.D. Jović, Electrochemical deposition and characterization of AgPd alloy layers, Journal of the Serbian Chemical Society. 83 (2018) 593–609.	M23 (0,828)
158.	T. S. Kovač, E. S. Džunuzović, J. V. Džunuzović, B. Milićević, D. N. Sredojević, E. N. Brothers, J. M. Nedeljković, „Visible light absorption of TiO <sub>2</sub> nanoparticles surface-modified with vitamin B <sub>6</sub> : A comparative experimental and DFT study“, Journal of the Serbian Chemical Society 83 (2018) 899-909	M23 (0,828)
159.	T. Lužajić Božinovski, D. Marković, V. Todorović, B.B. Prokić, I. Milošević, N. Drndarević, K. Nešović, K.Y. Rhee, V. Mišković-Stanković, In vivo investigation	M23 (0,656)

	of soft tissue response of novel silver/poly(vinyl alcohol)/graphene and silver/poly(vinyl alcohol)/chitosan/graphene hydrogels aimed for medical applications – the first experience, <i>Acta Veterinaria</i> 68, 3 (2018) 321-339	
160.	M.N. Krstajić Pajić, S.I. Stevanović, V.V. Radmilović, A. Gavrilović-Wohlmuther, J.R. Rogan, V.R. Radmilović, V.M. Jovanović, PtAu catalyst with enhanced activity for formic acid oxidation, <i>Zaštita Materijala</i> 59 (2018) 159–166.	M24
161.	M.D. Obradović, S.Lj. Gojković, CO tolerant Pt/Ru <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>2</sub> nanocatalyst for hydrogen oxidation reaction, <i>Zaštita Materijala</i> 59 (2018) 265–272.	M24
162.	M. Gvozdenović, E. Džunuzović, B. Jugović, B. Grgur, Polyaniline based corrosion inhibitors for conventional organic coatings, <i>Zastita Materijala</i> 59 (2018) 282 – 292.	M24
163.	M. Đošić, A. Janković, K.Y. Rhee, V. Mišković-Stanković, Biokompozitne prevlake hidroksiapatita ojačane grafenom, dobijene elektroforetskim taloženjem na titanu, <i>Zaštita materijala</i> , 59 (2018) 293-306.	M24
164.	A. Osmokrovic, I. Jancic, J. Vunduk, P. Petrovic, M. Milenkovic, B. Obradovic, Achieving high antimicrobial activity: composite alginate hydrogel beads releasing activated charcoal with an immobilized active agent, <i>Carbohydrate Polymers</i> , 196 (2018) 279-288	M21a (6,044)
165.	A.A. Jovanović, B.D. Balanč, A. Ota, P. Ahlin Grabnar, V.B. Djordjević, K.P. Šavikin, B.M. Bugarski, V.A. Nedović, N. Poklar Ulrih, Comparative Effects of Cholesterol and β-Sitosterol on the Liposome Membrane Characteristics. <i>European Journal of Lipid Science and Technology</i> , 120 (2018) 1-11	M21 (2,200)
166.	B. Kaczmareka, A. Sionkowska, J. Stojkovska, Characterization of scaffolds based on chitosan and collagen with glycosaminoglycans and sodium alginate addition, <i>Polymer Testing</i> , 68 (2018) 229–232	M21 (2,943)
167.	B. Todić, M. Mandić, N. Nikačević, D.B. Bukur, Effects of process and design parameters on heat management in fixed bed Fischer-Tropsch synthesis reactor, <i>Korean Journal of Chemical Engineering</i> , 35 (2018), 875-889	M22 (2.476)
168.	B. Vukadinović, I. Popović, A. Subotin, M. Kijevčanin, Cleaner production and environmental sustainability: Analysis of the Serbian petrochemical plant, <i>Energy Sources, Part A: Recovery, Utilization, and Environmental Effects</i> , 40 (2018) 259-265	M23 (0,894)
169.	D. Trivanović, I. Drvenica, T. Kukolj, H. Obradović, I. Okić-Djordjević, S. Mojsilović, J. Krstić, B. Bugarski, A. Jauković, D. Bugarski, Adipoinductive effect of extracellular matrix involves cytoskeleton changes and SIRT1 activity in adipose tissue stem/stromal cells. <i>Artificial Cells Nanomedicine and Biotechnology</i> , 46 (2018) S370-S382	M21a (4,462)
170.	D.B. Bukur, M. Mandić, B. Todić, N. Nikačević, Pore diffusion effects on catalyst effectiveness and selectivity of cobalt based Fischer-Tropsch catalyst, <i>Catalysis Today</i> , in press, DOI: 10.1016/j.cattod.2018.10.069	M21a (4,667)
171.	E.M. Živković, N.V. Živković, D.M. Majstorović, A.M. Stanimirović, M.Lj. Kijevčanin, Volumetric and transport properties of binary liquid mixtures with 1-ethyl-3-methylimidazolium ethyl sulfate as candidate solvents for regenerative flue gas desulfurization processes, <i>J. Chem. Thermodynamics</i> , 119 (2018) 135-154	M21 (2,290)
172.	J. Luković, D. Milovanović, R. Kumar, M. Kijevčanin, I. Radović, B. Matović, T. Volkov-Husović, Synthesis and characterization of porous tungsten carbide with added tungsten silicides, <i>Int. J. Refractory Metals and Hard Materials</i> , 72 (2018) 9-14	M21a (2,794)
173.	J. Vuksanović, M.Lj. Kijevčanin, I.R. Radović, Effect of water addition on	M22

	extraction ability of eutectic solvent choline chloride+1,2-propanediol for separation of hexane/heptane+ethanol systems, Korean journal of chemical engineering, 35 (2018) 1477-1487	(2,476)
174.	J. Zvicer, B. Obradovic, Bioreactors with hydrostatic pressures imitating physiological environments in intervertebral discs, Journal of Tissue Engineering and Regenerative Medicine, 12 (2018) 529-546	M21 (3,319)
175.	J.D. Jovanović, D.M. Majstorović, N.V. Živković, M.Lj. Kijevčanin, E.M. Živković, The friction theory for estimating viscosity of candidate solvents for flue gas desulfurization processes, <i>J. Mol. Liquids</i> , 271 (2018) 696–703	M21 (4,561)
176.	J.M. Ilić-Pajić, M.Z. Stijepović, G.R. Ivaniš, I.R. Radović, J.T. Stajić-Trošić, M.Lj. Kijevčanin, Modeling of pure components high pressures densities using CK-SAFT and PC-SAFT equations, <i>J. Serb. Chem. Society</i> , 83 (2018) 331-343	M23 (0,828)
177.	J.M. Vuksanović, M.Lj. Kijevčanin, I.R. Radović, Poly(ethylene glycol) diacrylate as a novel chaotropic compound for design of aqueous biphasic systems, <i>J. Mol. Liquids</i> , 261 (2018) 250–264	M21 (4,561)
178.	M. Bugarčić, M. Milivojević, A. Marinković, B. Marković, M. Sokić, N. Petronijević, J. Stojanović, Application of raw volcanic rock found in Etna valley as an adsorbent of chromates, arsenates and selenates, <i>Metallurgical and Materials Engineering</i> , 24 (2018) 133-144.	M24
179.	M. Deković Šević, N. Bošković-Vragolović, R. Garić-Grulović, S. Pejanović, Experimental study on the ozone absorption accompanied by instantaneous chemical reaction, <i>Chemical Engineering Communications</i> , 205 (2018) 571 - 580	M22 (1,507)
180.	M. Mandić, V. Dikić, M. Petkovska, B. Todić, D.B. Bukur, N. Nikičević, Dynamic analysis of millimetre-scale fixed bed reactors for Fischer-Tropsch synthesis, <i>Chemical Engineering Science</i> , 192 (2018) 434-447	M21 (3,372)
181.	M. Perić, M. Komatina, D. Antonijević, Bugarski B., Ž. Dželetović, Life Cycle Impact Assessment of Miscanthus Crop for Sustainable Household Heating in Serbia, <i>Forests</i> , 9 (2018) 654.	M21 (2,116)
182.	M. Petkovska, D. Nikolić, A. Seidel-Morgenstern, Nonlinear Frequency Response Method for Evaluating Forced Periodic Operations of Chemical Reactors – A review, <i>Israel Journal of Chemistry</i> , 58 (2018) 663-681	M22 (2.398)
183.	M. Stamenić, V. Dikić, M. Mandić, B. Todić, D.B. Bukur, N. Nikičević, Multiscale and multiphase model of fixed bed reactors for Fischer–Tropsch Synthesis: Optimization study, <i>Industrial &amp; Engineering Chemistry Research</i> , 57 (2018) 3149-3162	M21 (3,375)
184.	M., Belovic, A., Torbica, I., Pajic-Lijakovic, J., Tomic, I., Loncarevic, J., Petrovic, Tomato pomace powder as a raw material for ketchup production, <i>Food Bioscience</i> 26 (2018) 193-199.	M21 (3,220)
185.	M.A. Aissa, I.R. Radović, M.Lj. Kijevčanin, A systematic study on volumetric and transport properties of binary systems 1-propanol + n-hexadecane, 1-butanol + n-hexadecane and 1-propanol + ethyl oleate at different temperatures: Experimental and modeling, <i>Fluid Phase Equilibria</i> , 473 (2018) 1-16	M21 (2,514)
186.	N. Nikičević, B. Todić, M. Mandić, M. Petkovska, D.B. Bukur, Optimization of Forced Periodic Operations in Milli-Scale Fixed Bed Reactor for Fischer-Tropsch Synthesis, <i>Catalysis Today</i> , in press, DOI: 10.1016/j.cattod.2018.12.032	M21a (4.667)
187.	O.G. Sas, G.R. Ivaniš, M.Lj. Kijevčanin, B. González, A. Domínguez, I.R. Radović, Densities and Derived Volumetric Properties of Ionic Liquids with [Nf2] and [NTf2] Anions at High Pressures, <i>J. Chem. Eng. Data</i> , 63 (2018) 954-964	M22 (2,298)
188.	R. Currie, D. Nikolic, M. Petkovska, D.S.A. Simakov, CO2 Conversion Enhancement in a Periodically Operated Sabatier Reactor: Nonlinear Frequency	M22 (2,398)

	Response Analysis and Simulation-based Study, 58(2018) 762-775	
189.	S Polovina, M Vojtech, I Dejanović, A Grujić, M Stijepović, Modeling a Reaction Section of a Commercial Continuous Catalytic Reformer, Energy & fuels 32, (2018) 6378-6396	M22 (3,021)
190.	S. Cvetkovic, B. Bugarski, B. Obradovic, Activated sludge-loaded polyvinyl alcohol microparticles for starch wastewater treatment in an airlift bioreactor, Korean Journal of Chemical Engineering, 35 (2018) 324-327	M22 (2,476)
191.	U.-J. Vajic, J. Grujic-Milanovic, Z. Miloradovic, Dj. Jovovic, M. Ivanov, D. Karanovic, K. Savikin, B. Bugarski, N. Mihailovic-Stanojevic, Urtica dioica L. leaf extract modulates blood pressure and oxidative stress inspontaneously hypertensive rats. Phytomedicine, 46 (2018) 39-45.	M21 (4,180)
192.	Z., Dajic-Stevanovic, J., Bosnjak, I., Pajic-Lijakovic, J., Raj, M., Vasiljevic, Essential Oils as Food Additives – Future perspectives, Molecules 23 (2018) E1717 1-20.,	M21 (2,861)
193.	Awhida A, Ujjic Predrag, Pantelic Gordana, Kolarz Predrag, Celikovic Igor Zivanovic M, Janicijevic Aco, Loncar Biljana, Ad-Hoc Intercomparison of Four Different Radon Exhalation Measurement Methods, Radiation Protection Dosimetry, vol. 178 (2018) 138-142	M23 (0,867)
194.	Janicijevic Aco, Danilovic Nebojsa, Tube for obtaining crystals in a laboratory furnace, Journal of Applied Crystallography, vol. 51 (2018) 1257-1258	M21 (4,332)
195.	Obrenovic Marija D Janicijevic Aco J Arbutina Dalibor S , Statistical Review of the Insulation Capacity of the Geiger-Mueller Counter, Nuclear Technology & Radiation Protection, vol. 33 (2018) 369-374	M23 (0,504)
196.	Jeftenic Ilija, Kartalovic Nenad, Brajovic Dragan,Loncar Boris , Aging of Stator Coil Interconductor Insulation of High Voltage Asynchronous Motor, IEEE Transactions On Dielectrics And Electrical Insulation, 25 (2018) 352-359	M21 (2,324)
197.	Kovacevic Uros, Stankovic Koviljka, Kartalovic Nenad, Loncar Boris, Design of capacitive voltage divider for measuring ultrafast voltages, International Journal Of Electrical Power & Energy Systems, 99 (2018) 426-433	M21 (4,262)
198.	A.A. Algellai, N. Tomić, M.M. Vuksanović, M. Dojčinović, T. Volkov Husović, V. Radojević, R. Jančić Heinemann, Adhesion testing of composites based on Bis-GMA/TEGDMA monomers reinforced with alumina based fillers on brass substrate, Composites Part B, 140 (2018) 164–173	M21a (6,864)
199.	Bojana Z. Fidanovski, Ivanka G. Popović, Vesna J. Radojević, Igor Z. Radisavljević, Srđan D. Perišić, Pavle M. Spasojević, Composite materials from fully bio-based thermosetting resins and recycled waste poly(ethylene terephthalate), Composites: Part B: Engineering 153 (2018) 117- 123, <a href="https://doi.org/10.1016/j.compositesb.2018.07.034">https://doi.org/10.1016/j.compositesb.2018.07.034</a>	M21a (6,864)
200.	Tihomir Kovačević, Jelena Rusmirović, Nataša Tomić, Goran Mladenović, Miloš Milošević, Nenad Mitrović, Aleksandar Marinković, Effects of Oxidized/Treated Non-Metallic Fillers Obtained from Waste Printed Circuit Boards on Mechanical Properties and Shrinkage of Unsaturated Polyester-Based Composites, Polymer Composites (2018) <a href="https://doi.org/10.1002/pc.24827">https://doi.org/10.1002/pc.24827</a> ISSN: 0272-8397	M22 (2,268)
201.	Aleksandar Stajić, Dragutin Nedeljković, Vesna Panić, Ivana Radović, Aleksandar Grujić, Jasna Stajić-Trošić, Radmila Jančić-Heinemann, Adsorption kinetics of polyethersulfone membrane-supported hydrogels, - Desalin. Water. Treat. 131 (2018) 43-49. DOI: 10.5004/dwt.2018.22959	M22 (1,234)
202.	Jelena Zec, Nataša Tomić, Milorad Zrilić, Smilja Marković, Dušica Stojanović, Radmila Jančić-Heinemann, Processing and characterization of UHMWPE	M23 (1,343)

	composite fibres with alumina particles in poly(ethylene-vinyl acetate) matrix, Journal of Thermoplastic Composite Materials, 31 (2018) 5: 689-708, <a href="https://doi.org/10.1177/0892705717718240e">https://doi.org/10.1177/0892705717718240e</a>	
203.	Stević, Z., Vlahović, M., Martinović, S., (...), Ponomaryova, E., Volkov-Husović, T., Modelling, simulation and optimisation of pulse-reverse regime of copper, silver and gold electrodeposition, Zeitschrift fuer Metallkunde/Materials Research and Advanced Techniques, 109 (2018) 514-521	M24
204.	Jevremović, N., Veličković, S., Krušić, M.K., (...), Heinemann, R.J., Popović, I., Image analysis as a useful tool for fast detection of dimensional and structural changes of poly(Ethylene terephthalate) containers, Hemispa Industrija 72 (2018) 351-361	M23 (0,713)
205.	Z. Janjušević, V. Matković, M. Bugarčić, M. Sokić, B. Marković, V. Manojlović, A. Patarić, Molybdenum recovery as alloying agent from waste molybdenum solution, Zaštita materijala, 59 (2018) 100-107	M24
206.	M. Volić, I. Pajić-Lijaković, V. Djordjević, Z. Knežević-Jugović, I. Pećinar, Z. Stevanović-Dajić, Đ. Veljović, M. Hadnadjev, B. Bugarski, Alginate/soy protein system for essential oil encapsulation with intestinal delivery. Carbohydrate Polymers, 200 (2018) 15-24.	M21a (6,044)

## 2019

Р.Б.	Радови (на СЦИ/ ССЦИ листи) у научним часописима са званичне листе ресорног министарства за науку у сладу са захтевима допунских стандарда за дато поље (аутори, назив рада, часопис, година)	М (IF)
1.	D.Z. Antanasijević, V.V. Pocajt A.A. Perić-Grujić M.Đ. Ristić,, Urban population exposure to tropospheric ozone: A multi-country forecasting of SOMO35 using artificial neural networks, Environmental Pollution, 244 (2019) 288-294	M21a (5,714)
2.	T.Đ. Mitrović, D.Z. Antanasijević, S. Lazović, A.A. Perić-Grujić M.Đ. Ristić,, Virtual water quality monitoring at inactive monitoring sites using Monte Carlo optimized artificial neural networks: A case study of Danube River (Serbia), Science of the Total Environment 654 (2019) 1000-1009	M21 (5,589)
3.	K.R. Nešović, A.D. Janković, A.A. Perić-Grujić, M.S. Vukašinović-Sekulić, T. Radetić, Lj.S. Živković, P. Soo-Jin, R.K. Yop V.B. Misković-Stanković, Kinetic models of swelling and thermal stability of silver/poly(vinyl Check far alcohol)/chitosan/graphene hydrogels, Journal of Industrial and Engineering Chemistry, 77 (2019) 83-96	M21 (4,978)
4.	D. Radojević, D.Z. Antanasijević, A.A. Perić-Grujić, M.Đ. Ristić, V.V. Pocajt, The significance of periodic parameters for ANN modeling of daily SO <sub>2</sub> and NO <sub>x</sub> concentrations: A case study of Belgrade, Serbia, Atmospheric Pollution Research, 10 (2019) 621-628	M22 (2,918)
5.	Sladjana Meseldzija, Jelena Petrovic, Antonije Onjia, Tatjana Volkov-Husovic, Aleksandra Nesic, Nikola Vukelic, Utilization of agro-industrial waste for removal of copper ions from aqueous solutions and mining-wastewater, Journal of Industrial and Engineering Chemistry 75 (2019) 246-252.	M21 (4,978)
6.	Ljiljana Suručić, Aleksandra B Nestorović, Antonije Onjia, Goran Vilotija Janjić, Aleksandra Acika Rakić, Design of amino-functionalized chelated macroporous copolymer [poly(GMA-co-EGDMA)] for the sorption of Cu (II) ions, Journal of Serbian Chemical Society, 84 (2019) 1-14.	M23 (0,828)
7.	Jelena Marković, Mihajlo Jović, Ivana Smičiklas, Marija Šljivić-Ivanović, Antonije	M21

	Onjia, Katarina Trivunac, Aleksandar Popović, Cadmium retention and distribution in contaminated soil: effects and interactions of soil properties, contamination level, aging time and in situ immobilization agents, Ecotoxicology and environmental safety 174 (2019) 305-314.	(4,527)
8.	Z. Sekulić, D. Atanasijević, S. Stevanović, K. Trivunac, The Prediction of Heavy Metal Permeate Flux in Complexation-Microfiltration Process: Polynomial Neural Network Approach, Water Air and Soil Pollution 230 (2019) 23	M22 (1,769)
9.	Nataša Mladenović, Ljiljana Kljajević, Snežana Nenadović, Marija Ivanović, Bojan Čalija, Jelena Gulicovski, Katarina Trivunac, The Applications of New Inorganic Polymer for Adsorption Cadmium from Waste Water, Journal of Inorganic and Organometallic Polymers and Materials (2019) <a href="https://doi.org/10.1007/s10904-019-01215-y">https://doi.org/10.1007/s10904-019-01215-y</a>	M22 (1,754)
10.	Tijana Ivanović, Daniela Ž. Popović, Jelena Miladinović, Joseph A. Rard, Zoran P. Miladinović, Svetlana Belošević, Katarina Trivunac, Isopiestic Determination of the Osmotic and Activity Coeficients of the $\{y\text{NaH}_2\text{PO}_4 + (1-y)\text{KH}_2\text{PO}_4\}$ (aq) System at T=298.15 K, Journal of Solution Chemistry 48 (2019) 296-328	M23 (1,401)
11.	Mijatović N., Terzić A., Pezo L., Miličić Lj, Milosavljević A., Živojinović D.: Novel approach for determination of potentially toxic elements via ICP–OES in aqueous solutions of building materials with industrial byproduct addition, - Science of Sintering, Vol. No. 4 (2019)	M23 (0,736)
12.	Slavka Stankovic, Ana Perosevic, Lato Pezo, Stevan Blagojevic, Antonije Onjia Who is a more reliable bioindicator – mussels or seagrass? A case study of the of toxic metals pollution in seawater of Boka Kotorska Bay, Adriatic Sea, The 2 <sup>nd</sup> Euro-Mediterranean Conferene, EMCEI, 10-13 October 2019, Sousse, Tunisia, Springer <i>to be published</i>	M23
13.	D. Veljović, T. Matić, T. Stamenić, V. Kojić, S. Dimitrijević-Branković, M.J. Lukić, S. Jevtić, Z. Radovanović, R. Petrović, D. Janaćković, Mg/Cu co-substituted hydroxyapatite – Biocompatibility, mechanical properties and antimicrobial activity, Ceramics International, 45 (2019) 22029-22039	M21a (3,450)
14.	M. Korica, L. Fras-Zemljic, M. Bracic, R. Kargl, S. Spirk, D. Reishofer, K. Mihajlovski, M. Kostic, Novel protein-repellent and antimicrobial polysaccharide multilayer thin films, Holzforschung, 73 (2019) 93 - 103	M21a (2,579)
15.	S. Davidović, V. Lazić, M. Miljković, M. Gordić, M. Sekulić, M. Marinović-Cincović, I. S. Ratnayake, S. PhillipAhrenkiel, J. M. Nedeljković, Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions, Carbohydrate Polymers 224 (2019) 115187	M21a (6,044)
16.	N. Radovanović, I. Malagurski, S. Lević, A. Nešić, G. Cabrera-Barjas, A. Kalušević, V. Nedović, V. Pavlović, S. Dimitrijević-Branković, Influence of different concentrations of Zn-carbonate phase on physical-chemical properties of antimicrobial agar composite films, Materials Letters, 255 (2019) 126572	M21 (3,019)
17.	N. Radovanović, I. Malagurski, S. Lević, M. Gordić, J. Petrović, V. Pavlović, M. Mitrić, A. Nešić, S. Dimitrijević-Branković, Tailoring the physico-chemical and antimicrobial properties of agar-based films by in situ formation of Cu-mineral phase, European Polymer Journal, 119 (2019) 352-358	M21 (3,621)
18.	A.V. Buntić, M.D. Milić, O.S. Stajković-Srbinović, N.V. Rasulić, D.I. Delić, K.R. Mihajlovski, Cellulase production by <i>Sinorhizobium meliloti</i> strain 224 using waste tobacco as substrate, International Journal of Environmental Science and Technology, 16 (2019) 5881–5890	M22 (2,031)
19.	M. Korica, Z. Peršin, S. Trifunović, K. Mihajlovski, T. Nikolić, S. Maletić, L. Fras Zemljic, M. Kostic, Influence of Different Pretreatments on the Antibacterial	M22 (2,972)

	Properties of Chitosan Functionalized Viscose Fabric: TEMPO Oxidation and Coating with TEMPO Oxidized Cellulose Nanofibrils, Materials, 12 (2019) 3144	
20.	A.V. Buntić, O.S. Stajković-Srbinović, D.I. Delić, S.I. Dimitrijević-Branković, M.D. Milić, The production of cellulase from the waste tobacco residues remaining after the polyphenols and nicotine extraction and the bacterial pretreatment, Journal of the Serbian Chemical Society, 84 (2019) 129-140	M23 (0,828)
21.	V. Lazić, K. Mihajlovski, A. Mraković, E. Illes, M. Stoljković, S. Ahrenkiel, J. Nedeljković, Antimicrobial activity of silver nanoparticles supported by magnetite, Chemistry Select, 4 (2019) 4018-4024	M23 (1,716)
22.	A. Djukić-Vuković, D. Mladenović, J. Ivanović, J. Pejin, L. Mojović, Towards sustainability of lactic acid and poly-lactic acid polymers production. Renewable and Sustainable Energy Reviews, 108 (2019) 238-252.	M21a (10,556 )
23.	M. Radosavljević, J. Pejin, M. Pribić, S. Kocić-Tanackov, R. Romanić, D. Mladenović, A. Djukić-Vuković, L. Mojović, Utilization of brewing and malting by-products as carrier and raw materials in L-(+)-lactic acid production and feed application, Applied microbiology and biotechnology, 103 (2019) 3001-3013.	M21 (3,670)
24.	D. Mladenović, A. Djukić-Vuković, M. Stanković, M., M. Milašinović-Šeremešić, M. Radosavljević, J. Pejin, L. Mojović, Bioprocessing of agro-industrial residues into lactic acid and probiotic enriched livestock feed. Journal of the Science of Food and Agriculture, 99 (2019) 5293-5302.	M21 (2,422)
25.	A. Djukić-Vuković, S. Lazović, D. Mladenović, Z. Knežević-Jugović, J. Pejin, L. Mojović. Non-thermal plasma and ultrasound-assisted open lactic acid fermentation of distillery stillage. Environmental Science and Pollution Research, (2019) in press, doi:10.1007/s11356-019-04894-9.	M22 (2,914)
26.	M. Radosavljević, J. Pejin, M. Pribić, S. Kocić-Tanackov, R. Romanić, D. Mladenović, A. Djukić-Vuković, L. Mojović, Brewing and malting technology by-products as raw materials in L (+)-lactic acid fermentation. Journal of Chemical Technology & Biotechnology (2019) in press, doi:10.1002/jctb.5878.	M22 (2,659)
27.	D. Mladenović, J. Pejin, S. Kocić-Tanackov, A. Djukić-Vuković, L. Mojović, Enhanced Lactic Acid Production by Adaptive Evolution of <i>Lactobacillus paracasei</i> on Agro-industrial Substrate. Applied biochemistry and biotechnology, 187 (2019) 753-769.	M23 (2,140)
28.	A. Djukić-Vuković, D. Mladenović, V. Nikolić, S. Kocić-Tanackov, J. Pejin, L. Mojović, Utilization of stillages from bioethanol production from various substrates. Chemical Industry & Chemical Engineering Quarterly, 25 (2019) 97-106.	M23 (0,806)
29.	J. Gvozdenović-Jeremić, L. Mojović, Drug repositioning for a rare genetic disorder progressive osseous heteroplasia (POH), Genetika, 51 (2019) 347-355.	M23 (0,459)
30.	J. Gvozdenović-Jeremić, K. Vert-Wong, L. Mojović, Antosteogenic effect of arsenic trioxide, cholecalciferol, lovastatin or their combination in vitro, Journal of the Serbian Chemical Society, 84 (2019) 951–960.	M23 (0,828)
31.	J. Pejin, M. Radosavljević, S. Kocić-Tanackov, R. Marković, A. Djukić Vuković, L. Mojović, Use of spent brewer's yeast in L-(+) lactic acid fermentation, Journal of the Institute of Brewing, (2019) in press, doi:10.1002/jib.572.	M23 (0,994)
32.	C. Yang, W. Fan, R. Zhang, J. Shi, Z. Knežević-Jugović, B. Zhang, B, Study on transglucosylation properties of amylosucrase from <i>xanthomonas campestris</i> pv. <i>Campestris</i> and its application in the production of α-arbutin. Catalysts, 9 (2019) 5.	M22 (3,465)
33.	S. Djurović, V. Dragicević, H. Waisi, M. Pagnacco, N. Ognjanović Luković, Z. Knežević-Jugović, B. Nikolic, Enhancement of antioxidant activity and bioactive compound contents in yellow soybean by plant-extract-based products. Archives of	M23 (0,648)

	Biological Sciences, 2019, doi.org/10.2298/ABS190123024D	
34.	A.A. Salim, S. Grbavčić, N. Šekuljica, M. Vukašinović-Sekulić, J. Jovanović, S. Jakovetić Tanasković, N. Luković, Z. Knežević-Jugović, Enzyme production by solid-state fermentation on soybean meal: A comparative study of conventional and ultrasound-assisted extraction methods. Biotechnology and Applied Biochemistry, 66 (2019) 361-368.	M23 (1,559)
35.	G Barbara, M Grover, P Bercik, M Corsetti, UC Ghoshal, L Ohman, M Rajilić-Stojanović (2019) Rome Foundation Working Team Report on Post-Infection Irritable Bowel Syndrome. Gastroenterology 156 ( 2019) 46-58	M21a (19.809 )
36.	T.Z. Krunic, N. Obradovic, M.B. Rakin. Application of whey protein and whey protein hydrolysate as protein based carrier for probiotic starter culture. Food Chemistry 293 (2019) 74–82.	M21a (5.399)
37.	N. Obradovic, I. Pajic-Lijakovic, T. Krunic, M. Belovic, M.Rakin, B. Bugarski. Effect of Encapsulated Probiotic Starter Culture on Rheological and Structural Properties of Natural Hydrogel Carriers Affected by Fermentation and Gastrointestinal Conditions, Food Biophysics (2019) 1-14.	M22 (2.411)
38.	S. Arsić, M. Bulatović, M, Rakin, Z. Sredojević. Production and tehnno-economic opportunitiest of use of whey in industrial processes, Scientific Papers Series „Management, Economic Engineering in Agriculture and Rural Development”, Publisher: University of Agricultural Sciences and Veterinary Medicine of Bucharest, Romania, 19 (2019) 41-45.	M24 (/)
39.	A. Milivojević, M. Čorović, M. Simović, K. Banjanac, S. Blagojević, R. Pjanović, D. Bezbradica. Novel Approach for Flavonoid Esters Production: Statistically Optimized Enzymatic Synthesis Using Natural Oils and Application in Cosmetics, Industrial & Engineering Chemistry Research, 58 (2019) 3640-3649	M21 (3.375)
40.	M. Simović, A. Milivojević, M. Čorović, K. Banjanac, D. Bezbradica. Whey valorization using transgalactosylation activity of immobilized $\beta$ -galactosidase, International Journal of Food Science and Technology, 54 (2019) 3074-3082	M22 (2,281)
41.	P. Petrović, J. Vunduk, A. Klaus, M. Carević, M. Petković, N. Vuković, A. Cvetković, Ž. Žižak, B. Bugarski. From mycelium to spores: A whole circle of biological potency of mosaic puffball, South African Journal of Botany, 123 (2019) 152-160	M22 (1,504)
42.	M. Čorović, M. Simović, A. Milivojević, K. Banjanac, K. Katić, D. Bezbradica, Immobilization of <i>Aspergillus niger</i> cellulase onto lifetechtm carriers and its application in the hydrolysis of sunflower seed meal lignocellulosic fraction, Food and Feed Research, 46 (2019), in press.	M24
43.	M.N. Krstajić Pajić, S.I.Stevanović, V.V. Radmilović, A. Gavrilović-Wohlmuther , P. Zabinski, N.R. Elezović, V.R. Radmilović, S.Lj. Gojković, V.M. Jovanović, Dispersion effect in formic acid oxidation on PtAu/C Nanocatalyst Prepared by Water-In-Oil Microemulsion Method, Applied Catalysis B: Environmental 243 (2019) 585–593.	M21a (11,698 )
44.	Y. Hou, C. Xie, V.V. Radmilović, B. Puscher, M. Wu, T. Heumüller, A. Karl, N. Li, X. Tang, W. Meng, S. Chen, A. Osvet, D. Guldi, E. Spiecker, V.R. Radmilović, C.J. Brabec, Assembling Mesoscale Structured Organic Interfaces in Perovskite Photovoltaics, Advanced Materials 31 (2019) 1806516.	M21a (21,950 )
45.	V.V. Radmilović, V.R. Radmilović, Defect Formation During Synthesis and Welding of Silver Nanowires for Solar Cell Applications, Metallurgical & Materials Engineering (2019), Прихваћен за штампу.	M24
46.	K. Berkesi, P.M. Živković, U. Lačnjevac, E. Hristoforou, N.D. Nikolic, Mechanism of formation of the honeycomb-like structures by the regime of the	M 22 (3,218)

	reversing current (RC) in the second range, Journal of Electroanalytical Chemistry, 833 (2019) 401-410	
47.	Luigi Rizzo, Sixto Malato, Demet Antakyali, Vasiliki Beretsou, Maja B Đolić, Wolfgang Gernjak, Ester Heath, Ivana Ivancev-Tumbas, Popi Karaolia, Ana R Lado Ribeiro, Giuseppe Mascolo, Christa S McArdell, Heidi Schaar, Adrian M Silva, Despo Fatta-Kassinos, Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater, Science of the Total Environmental 655 (2019) 986-1008.	M21a (5,589)
48.	Tamires C. Costa, Petrick A. Soares, Carlos E. M. Campos, Antonio A. U. Souza, Maja B. Đolić, Vítor J. P. Vilar, Selene M. A. Guelli U. Souza, Industrial Steel Waste as an Iron Source to Promote Heterogeneous and Homogeneous Oxidation/Reduction Reactions, Journal of Cleaner Production 21 (2019) 804-817.	M21 (6,395)
49.	Davor Antanasijević, Viktor Pocajt, Aleksandra Perić-Grujić, Mirjana Ristić, Multilevel split of high-dimensional water quality data using artificial neural networks for the prediction of dissolved oxygen in the Danube River, Neural Computing and Applications, (2019), doi: 10.1007/s00521-019-04079-y	M21 (4,664)
50.	Krstimir Pantić, Zoran J. Bajić, Zlate S. Veličković, Jovica Z. Nešić, Maja B. Đolić, Nataša Z. Tomić, Aleksandar D. Marinković, Arsenic removal by copper-impregnated natural mineral tufa part II: a kinetics and column adsorption study, Environmental Science and Pollution Research, Springer, 26 (2019) 24143-24161.	M22 (2,914)
51.	Vladana N. Rajakovic-Ognjanović, Milica Karanac, Jasna Smolar, Ana Petkovšek, Maja Đolić, Jovan Despotović, Use of up-flow percolation test to assess the environmental properties of raw and treated fly ash, Environmental Engineering & Management Journal (EEMJ), 18 (2019), 1781-1788.	M23 (1,334)
52.	J. Vujančević, P. Andričević, A. Bjeljac, V. Đokić, M. Popović, Z. Rakočević, E. Horváth, M. Kollár, B. Náfrádi, A. Schiller, K. Domanski, L. Forró, V. Pavlović, Đ. Janačković, Dry-pressed anodized titania nanotube/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystal heterojunctions: The beneficial role of N doping, Ceramics International, 45 (2019) 10013-10020.	M21a (3,45)
53.	A. Ivanovska, D. Cerović, S. Maletić, I. Janković-Častvan, K. Asanović, M. Kostić, Influence of the alkali treatment on the sorption and dielectric properties of woven jute fabric, Cellulose, 26 (2019) 5133-5146.	M21a (3,917)
54.	A. Ivanovska, D. Cerović, N. Tadić, I. Janković-Častvan, K. Asanović, M. Kostić, Sorption and dielectric properties of jute woven fabrics: Effect of chemical composition, Industrial Crops and Products, 140 (2019) 111632 .	M21a (4,191)
55.	K. Smiljanić, I. Prodić, D. Apostolović, A. Cvetković, Dj. Veljović, J. Mutić, M. van Hage, L. Burazer, T. Ćirković-Veličković, In-depth quantitative profiling of post-translational modifications of Timothy grass pollen allergome in relation to environmental oxidative stress, Environment International, 126 (2019) 644-658.	M21a (7,943)
56.	R. Georgijević, M. Vujković, S. Gutić, M. Aliefendić, D. Jugović, M. Mitić, V. Đokić, S. Mentus, The influence of synthesis conditions on the redox behaviour of LiFePO <sub>4</sub> in aqueous solution, Journal of Alloys and Compounds, 776 (2019) 475-485.	M21a (3,779)
57.	V. Uskoković, I. Janković-Častvan, V.M. Wu, Bone Mineral Crystallinity Governs the Orchestration of Ossification and Resorption during Bone Remodeling, ACS Biomaterials Science and Engineering, 5 (2019) 3483-3498.	M21 (4,511)
58.	M. Zdujić, I. Lukić, Ž. Kesić, I. Janković-Častvan, S. Marković, Č. Jovalekić, D. Skala, Synthesis of CaO–SiO <sub>2</sub> compounds and their testing as heterogeneous catalysts for transesterification of sunflower oil, Advanced Powder Technology, 30 (2019) 1141-1150.	M21 (3,250)

59.	A.B. Savić, D. Čokeša, M. Savić Biserčić, I. Janković-Častvan, R. Petrović, L.S.. Živković, Multifunctional use of magnetite-coated tuff grains in water treatment: Removal of arsenates and phosphates, <i>Advanced Powder Technology</i> , 30 (2019)1687-1695.	M21 (3.250)
60.	J. Zvicer, A. Medić, Dj. Veljović, S. Jevtić, S. Novak, B. Obradović, Biomimetic characterization reveals enhancement of hydroxyapatite formation by fluid flow in gellan gum and bioactive glass composite scaffolds, <i>Polymer Testing</i> , 76 (2019) 464-472.	M21 (2,943)
61.	M. Marković, P. Spasojević, S. Šešlja, I. Popović, Dj. Veljović, R. Pjanović, V. Panić, Casein-poly(methacrylic acid) hybrid soft networks with easy tunable properties, <i>European Polymer Journal</i> , 113 (2019) 276-288.	M21 (3,621)
62.	Ž. Janičević, I. Vujić, Dj. Veljović, M. Vujišić, F. Radovanović, Composite poly(DL-lactide-co-glycolide)/poly(acrylic acid) hydrogels synthesized using UV and gamma irradiation: comparison of material properties, <i>Radiation Physics and Chemistry</i> (doi.org/10.1016/j.radphyschem.2019.108466)	M21 (1,984)
63.	M. Miladinović, M. Zdujić, Dj. Veljović, J. Krstić, I. Banković-Ilić, V. Veljković, O. Stamenković, Valorization of walnut shell ash as a catalyst for biodiesel production, <i>Renewable Energy</i> , <a href="https://doi.org/10.1016/j.renene.2019.09.056">https://doi.org/10.1016/j.renene.2019.09.056</a>	M21 (5,439)
64.	D. R. Barjaktarević, V. R. Djokić, J. B. Bajat, I. D. Dimić, I. Lj. Cvijović-Alagić, M. P. Rakin, The influence of the surface nanostructured modification on the corrosion resistance of the ultrafine-grained Ti–13Nb–13Zr alloy in artificial saliva, <i>Theoretical and Applied Fracture Mechanics</i> 103 (2019) 102307.	M21 (2,848)
65.	M. M. Vuksanović, N. Z. Tomić, M. Gajić-Kvaščev, V. R. Djokić, M. Dojčinović, T. Volkov Husović, R. Jančić Heinemann, The influence of alumina crystal structures on the morphology and surface erosion of PMMA composite materials exposed to cavitation testing, <i>Wear</i> 436–437 (2019) 203033.	M21 (2,950)
66.	A. Bjelajac, R. Petrović, M. Popović, Z. Rakocevic, G. Socol, I. N. Mihailescu, Dj. Janackovic, Doping of TiO <sub>2</sub> nanotubes with nitrogen byannealing in ammonia for visible light activation: influence of pre- and post-annealing in air, <i>Thin Solid Films</i> (2019) doi:10.1016/j.tsf.2019.137598	M22 (1,888)
67.	M. Curcic, B. Hadzic, M. Gilic, V. Radojevic, A. Bjelajac, I. Radovic, D. Timotijevic, M. Romcevic, J. Trajic, N. Romcevic, Surface optical phonon (SOP) mode in ZnS/Poly (methylmethacrylate) nanocomposites, <i>Physica E: Low-dimensional Systems and Nanostructures</i> , 115 (2020) 113708-113713.	M22 (3,176)
68.	Darka Marković, Bojan Jokić, Željko Radovanović, Jelena Ašanin, Marija Radoičić, Miodrag Mitrić, Dušan Mišić, Maja Radetić, The influence of 1,2,3,4-butanetetracarboxylic acid concentration on in situ synthesis of CuO/Cu <sub>2</sub> O nanoparticles on the cotton and viscose rayon fabrics, <i>Cellulose Chemical Technology</i> , 53 (2019) 805-813.	M22 (0,857)
69.	N. Z. Tomić, M. M. Vuksanović, Dj. Veljović, V. Đokić, A. D. Marinković, R. Jančić Heinemann, Photocatalytic degradation of bisphenol A with α-Fe <sub>2</sub> O <sub>3</sub> fibers and particle, <i>Science of Sintering</i> , 51 (2019) 265-276.	M22 (0,885)
70.	V. Miletić, J. Marjanović, Dj. Veljović, J. Stašić, V. Petrović, Color stability of bulk-fill and universal composite restorations with dissimilar dentin replacement materials, <i>Journal of Esthetic and Restorative Dentistry</i> , 31 (2019) 520–528.	M22 (1,716)
71.	D. Mićović, M. C. Pagnacco, P. Banković, J. Maletaškić, B. Matović, V. R. Djokić, M. Stojmenović, The influence of short thermal treatment on structure, morphology and optical properties of Er and Pr doped ceria pigments: Comparative study, <i>Processing and Application of Ceramics</i> , 13 (2019) 310-321.	M22 (0,976)
72.	A. Modrić-Šahbazović, M. Novaković, E. Schmidt, I. Gazdić, V. Djokić, D.	M22

	Peruško, N. Bibić, C. Ronning, Z. Rakočević, Silicon nanostructuring by Ag ions implantation through nanosphere lithography mask, Optical Materials 88 (2019) 508–515.	(2,687)
73.	N. Z. Tomić, M. M. Vuksanović, V. Djokić, M. Mitić, M. R. Simić, V. Pavlović, R. M. Jančić Heinemann, A. D. Marinković, Synthesis and characterization of nanocrystalline polyhedral oligo silsesquioxanes (POSS) with cross-linkable functionalities, Polyhedron, 171 (2019) 299–304.	M22 (2,284)
74.	S.S. Lazarevic, V.M. Marjanovic, I.M. Jankovic-Castvan, Lj.S. Zivkovic, Dj.T. Janackovic, R.D. Petrovic, Effective removal of Reactive Orange 16 dye from aqueous solution by amine-functionalized sepiolites, Desalination and Water Treatment, 163 (2019) 376-384.	M22 (1,290)
75.	A. Osmokrovic, I. Jančić, I. Janković-Častvan, P. Petrović, M. Milenković, B. Obradović, Novel composite zinc-alginate hydrogels with activated charcoal aimed for potential applications in multifunctional primary wound dressings, Hemisjska industrija, 73 (2019) 37-46 .	M23 (0,713)
76.	W. Musrati, B. Medo, N. Gubeljak, P. Štefane, D. Veljić, A. Sedmak, M. Rakin. Fracture assessment of seam and seamless steel pipes by application of the ring-shaped bending specimens. Theoretical and Applied Fracture Mechanics, 103 (2019) 102302 (9 pages)	M21 (2,848)
77.	I.Cvijović-Alagić, Z. Cvijović, M. Rakin, Damage behavior of orthopedic titanium alloys with martensitic microstructure during sliding wear in physiological solution, International Journal of Damage Mechanics, 28/8 (2019) 1228-1247	M22 (2,342)
78.	M. Mrdak, B. Medo, D. Veljić, M. Arsić, M. Rakin: The influence of powder flow rate on mechanical and structural properties of atmospheric plasma spray (APS) Al-12Si coating. Reviews on Advanced Materials Science, 58 (2019) 75-81	M22 (1,828)
79.	D. Veljić, M. Rakin, B. Medo, M. Mrdak, A. Sedmak: Temperature fields in linear stage of friction stir welding - effect of different material properties. Thermal Science (2019) doi:10.2298/TSCI181015264V	M22 (2,172)
80.	S. Laketić, M. Rakin, A. Čairović, V. Maksimović, I. Cvijović-Alagić, Laser surface modification of metallic implant materials, Srpski arhiv celokupnog lekarstva, 147 (2019) 497-501	M23 (0,299)
81.	M. Mrdak, Č. Lačnjevac, M. Rakin, N. Bajić, D. Veljić, Karakterizacija plazma sprej bioinertne prevlake Al2O328tež.%MgO, Zaštita materijala, 60/1 (2019) 44-49	M24
82.	S. Perisić, M. M. Vuksanović, M. Petrović, A. Radisavljević, A. Grujić, R. M. Jančić - Heinemann, V. Radojević, Impact of Alumina Particles on the Morphology and Mechanics of Hybrid Wood Plastic Composite Materials, Science of Sintering, 51 (2019) 115-124	M22 (0,885)
83.	G. A. Lazouzi, M. M. Vuksanović, N. Tomić, M. Petrović, P. Spasojević, V. Radojević, R. Jančić-Heinemann, Dimethyl itaconate modified PMMA – alumina fillers composites with improved mechanical properties, Polymer Composites, 40 (2019) 1691-1701	M22 (0,941)
84.	A.A. Ashor, M. M. Vuksanović, N. Z. Tomić, M. Petrović, M. Dojčinović, T. Volkov Husović, V. Radojević, R. Jančić Heinemann, Optimization of modifier deposition on the alumina surface to enhance mechanical properties and cavitation resistance, Polymer Bulletin, (2019) 1-18	M22 (1,858)
85.	M. Pavlović, M. Dojčinović, R. Prokić-Cvetković, LJ. Andrić, Z. Čeganjac, Lj. Trumbulović, Cavitation wear of basalt-based glass ceramic. Materials, 12 (2019) 1552	M22 (2,972)
86.	M. Pavlović, M. Dojčinović, R. Prokić-Cvetković, Lj. Andrić, The mechanisms of cavitation erosion of raw and sintered basalt. Science of Sintering, (accepted for	M23 (0,885)

	publication in Science of Sintering, 4 <sup>th</sup> volume in year 2019.)	
87.	M. Pavlović, M. Dojčinović, R. Prokić-Cvetković, Lj. Andrić: Cavitation resistance of composite polyester resin/basalt powder. Structural integrity and life, 19 (1) (2019) 19-22	M24
88.	M. Pavlović, M. Dojčinović, R. Prokić-Cvetković, Lj. Andrić: Nastajanje i razvoj oštećenja pod dejstvom kavitacije na uzorcima livenog bazalta. Zaštita materijala, 60 (2019) 1-8	M24
89.	Aleksić V., Milović Lj., Blačić I., Vuherer T., Bulatović S., Effect of LCF on behavior and microstructure of microalloyed HSLA steel and its simulated CGHAZ. Engineering Failure Analysis, 104 (2019) 1094-1106.	M22 (2,203)
90.	Milović Lj., Petrovski B., Vuherer T., Estimation of residual strength of a crack-containing welded pressure vessel exposed to a subzero operating temperature. Engineering Failure Analysis, 106 (2019) 104167	M22 (2,203)
91.	Aleksić B., Grbović A., Milović Lj., Hemer A., Aleksić V., Numerical simulation of fatigue crack propagation: a case study of defected steam pipeline. Engineering Failure Analysis, 106 (2019) 104165	M22 (2,203)
92.	Hemer A., Milović Lj., Grbović A., Aleksić B., Aleksić V., Numerical determination and experimental validation of the fracture toughness of welded joints. Engineering Failure Analysis, 107 (2019) 104220	M22 (2,203)
93.	A.M. Lazić, L.D. Radovanović, B.D. Božić, B.D. Božić Nedeljković, V.D. Vitnik, Ž.J. Vitnik, J.R. Rogan, N.V. Valentić, G.S. Ušćumlić, N.P. Trišović, Synthesis, structural characterization, DFT calculations and antiproliferative evaluation of novel spirohydantoin derivatives containing a substituted benzyl moiety, Journal of Molecular Structure, 1180 (2019) 48-62	M23 (2,120)
94.	R.G. Abuhmaiera, R.M. El-Mehdawi, F.A. Treish, M.M. Ben Younesa, D. Poletti, J. Rogan, Catena-[bis(o-Aminobenzoato-κ <sup>3</sup> N,O,O') Mn (II)], Arabian Journal of Chemistry, 12 (2019) 142-145	M21 (2,969)
95.	N. Trišović, L. Radovanović, G.V. Janjić, S. Jelić, J. Rogan, Substituent effects on the patterns of intermolecular interactions of 3-alkyl and 3-cycloalkyl derivatives of phenytoin: a crystallographic and quantum-chemical study, Crystal Growth & Design, 19 (2019) 2163-2174	M21 (4,153)
96.	N. Obradović, W.G. Fahrenholtz, S. Filipović, D. Kosanović, A. Dapčević, A. Đorđević, I. Balać, V.B. Pavlović, The effect of mechanical activation on synthesis and properties of MgAl <sub>2</sub> O <sub>4</sub> ceramics, Ceramics International, 45(9) (2019) 12015–12021	M21a (3,450)
97.	D. Luković Golić, A. Radojković, A. Dapčević, D. Pajić, J. Dragović, F. Torić, J. Ćirković, G. Branković, Z. Branković, Change in structural, ferroelectric, and magnetic properties of bismuth ferrite induced by doping with gadolinium, Ceramics International, 45 (2019) 19158–19165	M21a (3,450)
98.	J. Džunuzović, I. Stefanović, E. Džunuzović, A. Dapčević, S. Šešlja, B. Balanč, G. Lama, Polyurethane networks based on polycaprolactone and hyperbranched polyester: structural, thermal and mechanical investigation, Progress in Organic Coatings, 137 (2019) 105305(1-11)	M21a (3,420)
99.	B. Simović, A. Dapčević, J. Zdravković, N. Tasić, S. Kovač, J. Krstić, G. Branković, From titania to titanates: Phase and morphological transition in less alkaline medium under mild conditions, Journal of Alloys and Compounds, 781 (2019) 810–819	M21 (4,175)
100.	S. Milovanovic, J. Djuris, A. Dapčević, Dj. Medarevic, S. Ibric, I. Zizovic, Soluplus®, Eudragit®, HPMC-AS foams and solid dispersions for enhancement of Carvedilol dissolution rate prepared by a supercritical CO <sub>2</sub> process, Polymer	M21 (2,943)

	Testing, 76 (2019) 54–64	
101.	J. Djuris, S. Milovanovic, Dj. Medarevic, V. Dobricic, A. Dapčević, S. Ibric, Selection of the suitable polymer for supercritical fluid assisted preparation of carvedilol solid dispersions, International Journal of Pharmaceutics, 554 (2019) 190–200	M21 (4,213)
102	A. Nastasovic, D. Randjelović, V. V. Spasojevic, V. B. Pavlovic, A. Dapčević, Z. M. Vukovic, B. M. Markovic, Preparation and characterization of polymer/magnetite nanocomposites, Hemisjska industrija, 73 (2019) 25–35	M23 (0,566)
103.	I. Matić Bujagić, S. Grujić, M. Laušević, T. Hofmann, V. Micić, Emerging contaminants in sediment core from the Iron Gate I reservoir on the Danube River, Science of the Total Environment, 662 (2019) 77-87	M21 (5,589)
104.	M. Ponjavić, M. S. Nikolić, J. Nikodinović-Runić, T. Ilić-Tomić, J. Djonlagić, Controlled drug release carriers based on PCL/PEO/PCL block copolymers, International Journal of Polymeric Materials and Polymeric Biomaterials, 68 (2019) 308-318	M22 (2,263)
105.	M. Mandić, J. Spasić, M. Ponjavić, M. S. Nikolić, V. R. Čosović, K. E. O'Connor, J. Nikodinović-Runić, L. Djokić, S. Jeremić, Biodegradation of poly( $\epsilon$ -caprolactone) (PCL) and medium chain length polyhydroxyalkanoate (mcl-PHA) using whole cells and cell free protein preparations of <i>Pseudomonas</i> and <i>Streptomyces</i> strains grown on waste cooking oil, Polymer Degradation and Stability, 162 (2019) 160-168	M21 (3,780)
106.	M. Tomić, B. Dunjić, M. S. Nikolić, K. Trifković, N. Stanković, V. B. Pavlović, J. Bajat, J. Djonlagić, Polyamidoamine as a clay modifier and curing agent in preparation of epoxy Nanocomposites, Progress in Organic Coatings, 131 (2019) 311-321	M21a (3,420)
107.	J. Pavlovic, M. Popova, R.M. Mihalyi, M. Mazaj, G. Mali, J. Kovač, H. Lazarova, N. Rajic, Catalytic activity of SnO <sub>2</sub> - and SO <sub>4</sub> /SnO <sub>2</sub> -containing clinoptilolite in the esterification of levulinic acid, Microporous and Mesoporous Materials, 279 (2019) 10–18	M21 (4,182)
108.	M. Radovic, T. Adamovic, J. Pavlovic, J. Rusmirovic, V. Tadic, Z. Brankovic, J. Ivanovic, Supercritical CO <sub>2</sub> impregnation of gelatin-chitosan films with clove essential oil and characterization there of, Chemical Industry and Chemical Engineering Quarterly 25 (2) (2019) 119–130	M23 (0,944)
109.	S.J. Porobić, A.D. Krstić, D.J. Jovanović, J.M. Lađarević, Đ.B. Katnić, D.Ž. Mijin, M. Marinović-Cincović, Synthesis and thermal properties of arylazo pyridone dyes. Dyes and Pigments 170 (2019) 107602.	M21a (4,018)
110.	J. Lađarević, B. Božić, L.R. Matović, B. Božić Nedeljković, D. Ž. Mijin, Role of the bifurcated intramolecular hydrogen bond on the physico-chemical profile of the novel azo pyridone dyes. Dyes and Pigments 162 (2019) 562–572.	M21a (4,018)
111.	M. Avramov Ivić, J. Lović, S. Stevanović, N.D. Nikolić, N. Trišović, J. Lađarević, D. Vuković, S. Drmanić, A. Mladenović, M. Jadranin, S.D. Petrović, D. Ž. Mijin, Electrochemical behavior of esomeprazole: Its determination at Au electrode as standard and in injection powder combined with the study of its degradation. Journal of Electroanalytical Chemistry 848 (2019) 1-11.	M21 (3,218)
112.	G. Vastag, S. Apostolov, D. Ž. Mijin, Lj. Grbović, B. Kaurinović, Chemometric study of chromatographic and computational bioactivity parameters of diphenylacetamides. Journal of Chemometrics 3091 (2018) 1-11.	M21 (1,847)
113.	J. Petković Cvetković, B. Đ. Božić, N. R. Banjac, J. Petrović, M. Soković, V. D. Vitnik, Ž. J. Vitnik, G. S. Ušćumlić, N. V. Valentić, Synthesis, antimicrobial activity and quantum chemical investigation of novel succinimide derivatives.	M22 (2,120)

	Journal of Molecular Structure 1181 (2019) 148–156.	
114.	T. Kovačević, J. Rusmirović, N. Tomić, G. Mladenović, M. Milošević, N. Mitrović, A. Marinković, Effects of oxidized/treated non-metallic fillers obtained from waste printed circuit boards on mechanical properties and shrinkage of unsaturated polyester based composites. <i>Polymer Composites</i> 40 (2019) 1170–1186.	M22 (2,268)
115.	J. D. Rusmirović, N. Obradović, J. Perendija, A. Umićević, A. Kapidžić, B. Vlahović, V. Pavlović, A. D. Marinković, V. B. Pavlović, Controllable synthesis of Fe <sub>3</sub> O <sub>4</sub> -wollastonite adsorbents for efficient heavy metal ions/oxyanions removal, <i>Environmental Science and Pollution Research</i> 26 (2019) 12379–12398.	M22 (2,914)
116.	A. A. Ashor, M. M. Vuksanović, N. Z. Tomić, A. Marinković, R. Jančić Heinemann, The influence of alumina particle modification on the adhesion of the polyacrylate matrix composite films and the metal substrate. <i>Composite Interfaces</i> 26 (2019) 417–430.	M22 (2,025)
117.	A. Drah, T. Kovačević, J. Rusmirović, N. Tomić, S. Brzić, M. Bogosavljević, A. Marinković, Effect of surface activation of alumina particles on the performances of thermosetting-based composite materials. <i>Journal of Composite Materials</i> 53 (2019)	M22 (1,755)
118.	A.M. Lazić, Ž.D. Mandić, N.V. Valentić, G.S. Ušćumlić, N.P. Trišović, New spirohydantoins derived from beta-tetralone: design, synthesis and evaluation of their pharmacokinetically relevant properties. <i>Hemisjska industrija</i> 73 (2019) 79–92.	M23 (0,566)
119.	L.R. Matović, N.B. Tasić, N.P. Trišović, J.M. Lađarević, V.D. Vitnik, Ž.J. Vitnik, B.J. Grgur, D.Ž. Mijin, On the azo dyes derived from benzoic and cinnamic acids used as photosensitizers in dye-sensitized solar cells. <i>Turkish Journal of Chemistry</i> 43 (2019) 1183–1203.	M23 (1,000)
120.	A. Dajić, M. A. Mihajlović, S. M. Mandić-Rajčević, D. Ž. Mijin, M. B. Jovanović, J. D. Jovanović, Improvement of the Textile Industry Wastewater Decolorization Process Using Capillary Microreactor Technology. <i>International Journal of Environmental Research</i> 13 (2019) 213–222.	M23 (1,488)
121.	J. D. Lović, M. L. Avramov-Ivić, B. Đ. Božić, J. M. Ladjarević, D. Ž. Mijin, Voltammetric Investigation of Inclusion Complexes of the Selected Succinimides with beta-Cyclodextrin and (2-Hydroxypropyl)-beta-Cyclodextrin. <i>Acta Chimica Slovenica</i> 66 (2019) 182–189.	M23 (1,076)
122.	J. D. Tadić, M. A. Mihajlovic, M. B. Jovanovic, D. Ž. Mijin, Continuous flow synthesis of some 6-and 1,6-substituted 3-cyano-4-methyl-2-pyridones. <i>Journal of the Serbian Chemical Society</i> 84 (2019) 531–538.	M23 (0,828)
123.	M. H. Assaleh, A. R. Božić, S. Bjelogrlić, M. Milošević, M. Simić, A. D. Marinković, I. N. Cvijetić, Water-induced isomerism of salicylaldehyde and 2-acetylpyridine mono- and bis-(thiocarbohydrazones) improves the antioxidant activity: spectroscopic and DFT study. <i>Structural Chemistry</i> 30 (2019) 2447–2457	M23 (1,624)
124.	V. Vasovic, J. Lukic, D. Mihajlovic, B. Pejovic, Z. Radakovic, U. Radoman, A. Orloovic, Aging of Transformer Insulation - Experimental Transformers and Laboratory Models with different Moisture Contents: Part I – DP and Furans Aging Profiles, <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , Decembar 2019, in press.	M22 (2,135)
125.	M. Mihajlović , R. Pešić, M. Jovanović, Framework of new landfill GHG policy in developing countries: Case study of Serbia, <i>Greenhouse Gas Sci Technol.</i> 9:152–159 (2019); DOI: 10.1002/ghg	M22 (1,991)
126.	J. Tadić, M. Mihajlović, M. Jovanović, D. Mijin, Continuous flow synthesis of some 6- and 1,6-substituted-4-methyl-3-cyano-2-pyridones, <i>J. Serb. Chem. Soc.</i> 84	M23 (0.828)

	(2019) 531–538	
127.	S. Milovanović, B. Lajin, S. Braeuer, O. Steiner, F. Lisa, W. Goessler, Simultaneous Selenium and Sulphur speciation analysis in cultivated <i>Pleurotus pulmonarius</i> mushroom, Food Chemistry, 279 (2019) 231-236.	M21a 5.339
128.	R. Kuska, S. Milovanovic, S. Frerich, J. Ivanovic, Thermal analysis of polylactic acid under high CO <sub>2</sub> pressure applied in supercritical impregnation and foaming process design, The Journal of Supercritical Fluids 144 (2019) 71-80	M21 (3,481)
129.	J. Djuris, S. Milovanovic, Dj. Medarevic, V. Dobricic, A. Dapcevic, S. Ibric, Selection of the suitable polymer for supercritical fluid assisted preparation of carvedilol solid dispersions, International Journal of Pharmaceutics 554 (2019) 190-200	M21 (4,213)
130.	S. Milovanovic, D. Markovic, A. Mrakovic, R. Kuska, I. Zizovic, S. Frerich, J. Ivanovic, Supercritical CO <sub>2</sub> - assisted production of PLA and PLGA foams for controlled thymol release, Materials Science and Engineering: C 99 (2019) 394-404	M21 (4,959)
131.	S. Milovanovic, D. Markovic, J. Ivanovic, Added-value porous materials for controlled thymol release obtained by supercritical CO <sub>2</sub> impregnation process, Cellular polymers 38 (2019) 153-166	M23 (0,839)
132.	K. Dimic-Misic, M. Kostić, B. Obradović, A. Kramar, S. Jovanović, D. Stepanenko, M. Mitrović-Dankulov, S. Lazović, L.-S. Johansson, T. Maloney, P. Gane, Nitrogen plasma surface treatment for improving polar ink adhesion on micro/nanofibrillated cellulose films, Cellulose 26 (2019) 3845-3857	M21a (3,917)
133.	A. Kocić, M. Bizjak, D. Popović, G.B. Poparić, S.B. Stanković, UV protection afforded by textile fabrics made of natural and regenerated cellulose fibres, Journal of Cleaner Production, 228 (2019) 1229-1237	M21a (6,395)
134.	S.S. Pavlović, S.B. Stanković, A. Žekić, M. Nenadović, D.M. Popović, V. Milosavljević, G.B. Poparić, Impact of plasma treatment on acoustic properties of natural cellulose materials, Cellulose, 26 (2019) 6543-6554	M21a (3,917)
135.	M. Radetić, D. Marković, Nano-finishing of cellulose textile materials with copper and copper oxide nanoparticles, Cellulose, (2019) <a href="https://doi.org/10.1007/s10570-019-02714-4">https://doi.org/10.1007/s10570-019-02714-4</a>	M21a (3,917)
136.	S.B. Stanković, M. Novaković, D.M. Popović, G.B. Poparić, M. Bizjak, Novel engineering approach to optimization of thermal comfort properties of hemp containing textiles, Journal of the Textile Institute, 110 (2019) 1271-1279	M21 (1,174)
137.	N. Morin-Crini, S. Loiacono, V. Placet, G. Torri, C. Bradu, M. Kostić, C. Cosentino, G. Chanet, B. Martel, E. Lichtfouse, G. Crini, Hemp-based adsorbents for sequestration of metals: a review, Environmental Chemistry Letters, 17 (2019) 393-408	M21 (4,617)
138.	A. Trojanowska, I. Tsibranska, D. Dzhonova, M. Wroblewska, M. Haponska, P. Jovancic, V. Marturano, B. Tylkowski, Ultrasound-assisted extraction of biologically active compounds and their successive concentration by using membrane processes, Chemical Engineering Research and Design, 147 (2019) 378-389	M21 (3,073)
139.	D.D. Cerovic, K.A. Asanovic, S.B. Maletic, F.S. Marinkovic, I.M. Petronijevic, J.R. Dojcilovic, Electrophysical properties of woven polymer mesh fabrics, Journal of Applied Polymer Science, 136 (2019) 48456 (Accepted for publication)	M22 (2,188)
140.	S.B. Stanković, D. Popović, G.B. Poparić, Thermal properties of directionally oriented polymer fibrous materials as a function of fibre arrangement at mesoscopic level, Thermal Science, (2019) <a href="https://doi.org/10.2298/TSCI181011105S">https://doi.org/10.2298/TSCI181011105S</a>	M22 (1,541)

141.	D. Marković, J. Vasiljević, B. Golja, B. Tomšić, B. Simončić, M. Radetić, Biodegradation of cotton fabric impregnated with TiO <sub>2</sub> nanoparticles, Journal of the Serbian Chemical Society, 84 (2019) 743-755	M23 (0,828)
142.	K.A. Asanovic, M.M. Kostic, T.V. Mihailovic, D.D. Cerovic, Compression and strength behaviour of viscose/polypropylene nonwoven fabrics, Indian Journal of Fibre and Textile Research, 44 (2019) 329-337	M23 (0,511)
143.	G. Mittal, K. Nešović, K.Y. Rhee, V. Mišković-Stanković, Investigation of corrosion behaviour of carbon nanotubes coated basalt fabric as a reinforcement material, Composites Part B: Engineering 178 (2019) 107493.	M21a (6,864)
144.	Lj.S. Živković, B.V. Jegdić, V. Andrić, K.Y. Rhee, J.B. Bajat, V.B. Mišković-Stanković, “The effect of ceria and zirconia nanoparticles on the corrosion behaviour of cataphoretic epoxy coatings on AA6060 alloy”, Prog.Org.Coat,136 (2019) 105219	M21a (3,420)
145.	B.N. Grgur, M. Janačković, B.Z. Jugović, M.M. Gvozdenović, The initial characteristics of the polypyrrole based aqueous rechargeable batteries with supercapattery characteristics, Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 243 (2019) 175-182.	M21 (3,316)
146.	B.N. Grgur, Electrochemical Oxidation of Bromides on DSA/RuO <sub>2</sub> Anode in the Semi-Industrial Batch Reactor for On-Site Water Disinfection, Journal of the Electrochemical Society 16(2)(2019) E50-E61,	M21 (3,662)
147.	M.M. Gvozdenović, B.Z. Jugović, B.M. Jokić, E.S. Džunuzović, B.N. Grgur, Electrochemical synthesis and characterization of poly(o-toluidine) as high energy storage material, Electrochimica Acta, 317 (2019) 746-752,	M21 (5,383)
148.	K. Nešović, A. Janković, T. Radetić, M. Vukašinović-Sekulić, V. Kojić, Lj. Živković, A. Perić-Grujić, K.Y. Rhee, V. Mišković-Stanković, Chitosan-based hydrogel wound dressings with electrochemically incorporated silver nanoparticles – <i>in vitro</i> study, European Polymer Journal 121 (2019) 109257.	M21 (3,621)
149.	Z. Barbieriková, D. Dvoranová, V. Brezová, E. Džunuzović, D. N. Sredojević, V. Lazić, J. M. Nedeljković, „Visible-light-responsive surface-modified TiO <sub>2</sub> powder with 4-chlorophenol:A combined experimental and DFT study“, Optical Materials, 89 (2019) 237-242.	M22 (2,687)
150.	B.N. Grgur, M.M. Gvozdenović, B.Z. Jugović, T.Lj. Trišović, Characteristics of the citrate based zinc-polyaniline secondary cell with supercapattery behavior, Journal of the Serbian Chemical Society (2019) <a href="https://doi.org/10.2298/JSC190709077G">https://doi.org/10.2298/JSC190709077G</a>	M23 (0,828)
151.	M. Stevanović, M. Djošić, A. Janković, K.Y. Rhee, V. Mišković-Stanković, Electrophoretically deposited hydroxyapatite-based composite coatings loaded with silver and gentamicin as antibacterial agents, J. Serb. Chem. Soc. 84 (2019) 1287-1304	M23 (0,828)
152.	M. Bučko, M. V. Tomić, M. Maksimović, J.B. Bajat, “ The importance of using hydrogen evolution inhibitor during the Zn and Zn-Mn electrodeposition from ethaline”, J.Serb.Chem.Soc. (accepted) (2019) <a href="https://doi.org/10.2298/JSC190718084B">https://doi.org/10.2298/JSC190718084B</a>	M23 (0,828)
153.	B. Obradovic, Back to basics: avoiding errors in scientific research and publications, Hemija i industrija, 73 (2019), 143-146 (Editorial)	M23 (0,566)
154.	B. Obradovic, Connecting science and industry with improved communication of research results, Hemija i industrija, 73 (2019) 73-77 (Editorial)	M23 (0,566)
155.	B. Obradovic, Innovation competitions - means to generate valuable ideas, advance products and technologies, and enhance entrepreneurial skills, Hemija i industrija, 73 (2019) 209-212	M23 (0,566)

156.	D. Kostic, M. Vukasinovic-Sekulic, I. Armentano, L. Torre, B. Obradovic, Multifunctional ternary composite films based on PLA and Ag/alginate microbeads: Physical characterization and silver release kinetics, <i>Materials Science and Engineering. C: Materials for Biological Applications</i> , 98 (2019) 1159–1168	M21 (4,959)
157.	D. V. Bržić and M. T. Petkovska, Nonlinear frequency response analysis as a tool for identification of adsorption kinetics: Case study—Pore-surface diffusion control. <i>Mathematical Problems in Engineering</i> , 2019 (2019) 1-11	M23 (1,179)
158.	D.S. Slavnić, B.M. Bugarski, N.M. Nikičević, Solids flow pattern in continuous oscillatory baffled reactor. <i>Chemical Engineering and Processing - Process Intensification</i> , 135 (2019) 108-119	M21 (3,031)
159.	I. Pajic-Lijakovic, M. Milivojevic, Long-time viscoelasticity of multicellular surfaces caused by collective cell migration – Multi-scale modeling considerations, <i>Semin. Cell Dev. Biol.</i> 93 (2019) 87–96.	M21a (6,138)
160.	I., Pajic-Lijakovic, M., Milivojevic, Functional epithelium remodeling in response to applied stress under <i>in vitro</i> conditions, <i>Appl Bionics Biomech</i> (2019), 13 pages Article ID 4892709. <a href="https://doi.org/10.1155/2019/4892709">https://doi.org/10.1155/2019/4892709</a>	M23 (1,769)
161.	I., Pajic-Lijakovic, Milivojevic, M., Jamming state transition and collective cell migration, <i>J. Biol. Eng.</i> 13, (2019) 1754-1611.	M21 (5,256)
162.	I., Pajic-Lijakovic, Viscoelasticity of multicellular systems: From subcellular to supracellular levels, <i>Sem. Cell Dev. Biol.</i> 93 (2019) 1.	M21a (6,138)
163.	J. Lazarević, T. Kukolj, D. Bugarski, N. Lazarević, B. Bugarski, Z.V. Popović, Probing primary mesenchymal stem cells differentiation status by micro-Raman spectroscopy. <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> 213 (2019) 384-390	M21 (2,931)
164.	J. Safarov, C. Bussemer, A. Aliyev, G. Ivaniš, M. Kijevčanin, I. Radović, E. Hassel, I. Abdulagatov, High – temperature and high-pressure (p, ρ, T) measurements and derived thermodynamic properties of 1-octyl-3-methylimidazolium hexafluorophosphate, <i>J. Serb. Chem. Society</i> , <a href="https://doi.org/10.2298/JSC190528076S">https://doi.org/10.2298/JSC190528076S</a>	M23 (0,828)
165.	J. Stojkova, P. Petrovic, I. Jancic, M.T. Milenkovic, B. Obradovic, Novel nano-composite hydrogels with honey effective against multi-resistant clinical strains of <i>Acinetobacter baumannii</i> and <i>Pseudomonas aeruginosa</i> , <i>Applied Microbiology and Biotechnology</i> , 103 (2019) 8529-8543	M21 (3,670)
166.	J. Vuksanović, D. Soldatović, I. Radović, Z. Višak, M. Kijevčanin, Thermodynamic characterization of binary mixtures of poly(propylene glycol) 425 with toluene and o-, m- and p-xylenes, <i>J. Chem. Thermodynamics</i> , 131 (2019) 393-403	M21 (2,290)
167.	J.J. Lazarević, U. Ralević, T. Kukolj, D. Bugarski, N. Lazarević, B. Bugarski, Z.V. Popović, Influence of chemical fixation process on primary mesenchymal stemcells evidenced by Raman spectroscopy. <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> , 216 (2019) 173-178	M21 (2,931)
168.	L.A. Živković, A. Pohar, B. Likozar, N.M. Nikičević, Reactor conceptual design by optimization for hydrogen production through intensified sorption- and membrane-enhanced water-gas shift reaction, <i>Chemical Engineering Science</i> , in press, DOI: 10.1016/j.ces.2019.115174	M21 (3,306)
169.	Lj. Živanić, M. Stamenić, B. Todić, D.B. Bukur, N. Nikičević, Comparison of Cubic-Plus-Association and Soave-Redlich-Kwong equations of state for prediction of vapor-liquid equilibrium of Fischer-Tropsch reaction mixture, <i>Chemical Industry and Chemical Engineering Quarterly</i> , 25 (2019) 67-76	M23 (0,944)

170.	M. Hadnađev, T. Dapčević-Hadnadjev, I Pajić-Lijaković, J. Mastilović, B. Bugarski, Molecular and Supra-Molecular Structural Ordering of Wheat Starch OSA Modified Waxy Maize Starch Mixtures During Storage. <i>Starch</i> (2019) doi:10.1002/star.201800225	M22 (1,795)
171.	M. Yilmaztekin, S. Lević, A. Kalušević, M. Cam, B. Bugarski, V. Rakić, V. Pavlović, V. Nedović, Characterisation of peppermint ( <i>Mentha piperita L.</i> ) essential oil encapsulates. <i>Journal of Microencapsulation, Micro and Nano Carriers</i> 36 (2019) 109-119	M22 (2,040)
172.	M.M. Perić, M.S. Komatina, D.Lj. Antonijević, B.M. Bugarski, Ž.S. Dželetović, Diesel Production by Fast Pyrolysis of Miscanthus Giganteus, Well-To-Pump Analysis Using the GREET Model. <i>Thermal Science</i> , 23 (2019) 365-378	M22 (1,541)
173.	M.S. Marković, S.Ž. Milojević, N.M. Bošković-Vragolović, V.P. Pavićević, Lj.M. Babincev, V.B. Veljković, A new kinetic model for the common juniper essential oil extraction by microwave hydrodistillation, <i>Chinese Journal of Chemical Engineering</i> , 27 (2019) 605-612	M22 (1,911)
174.	N. Liović, P. Bošković, I. Drvenica, A. Režek Jambrak, A.M. Dropulić, G. Krešić, V. Nedović, B. Bugarski, Z. Zorić, S. Pedisi, T. Bilušić, Phenolic Extracts from <i>Vaccinium corymbosum L.</i> Loaded in Microemulsions and Liposomes as Enhancers of Olive Oil Oxidative Stability. <i>Polish Journal of Food and Nutrition Sciences</i> 69 (2019) 23–33	M22 (1,514)
175.	P. Petrović, K. Ivanović, A. Jovanović, M. Simović, V. Milutinović, M. Kozarski, M. Petković, A. Cvetković, A. Klaus, B. Bugarski, The impact of puffball autolysis on selected chemical and biological properties: Puffball extracts as potential ingredients of skin-care products. <i>Archives of Biological Sciences</i> , (2019) doi:10.2298/abs190725055p	M23 0,554
176.	R.N. Pravilović, B.D. Balanč, V.B. Djordjević, N.M. Bošković-Vragolović, B.M. Bugarski, R.V. Pjanović, Diffusion of polyphenols from alginate, alginate/chitosan, and alginate/inulin particles, <i>Journal of Food Process Engineering</i> , 42 (2019) e13043	M22 (1,955)
177.	S. Kandaswamy, A. Sorrentino, S. Borat, L.A. Živković, M. Petkovska, T. Vidaković-Koch, Oxygen reduction reaction on silver electrodes under strong alkaline conditions, <i>Electrochimica Acta</i> 320 (2019) 134517	M21 (4,940)
178.	S. Karača, K. Trifković, A. Bušić, V. Đorđević, A. Belščak-Cvitanović, A. Vojvodić Cebin, B. Bugarski, D. Komes, The functional potential of immortelle ( <i>Helichrysum italicum</i> ) based edible films reinforced with proteins and hydrogel particles, <i>LWT - Food Science and Technology</i> 99 (2019) 387-395	M21 (3,714)
179.	S. Karača, K. Trifković, A. Martinić, V. Đorđević, D. Šeremet, A. Vojvodić Cebin, B. Bugarski, D. Komes, Development and Characterization of Functional Cocoa ( <i>Theobroma cacao L.</i> ) Based Edible Films, <i>International Journal of food Science and Technology</i> , (2019), doi:10.1111/IJFS.14407	M22 (2,281)
180.	S.P. Miškov, G.R. Ivaniš, I.R. Radović, M.Lj Kijevčanin, High pressure densities and derived properties of biodiesel fuel produced by heterogeneous transesterification from biowaste, <i>Thermal Science</i> , <a href="https://doi.org/10.2298/TSCI180723178M">https://doi.org/10.2298/TSCI180723178M</a>	M22 (1,541)
181.	W. Ma, G. Jacobs, D.E. Sparks, B. Todic, D.B. Bukur, B.H. Davis, Quantitative comparison of iron and cobalt based catalysts for the Fischer-Tropsch synthesis under clean and poisoning conditions, <i>Catalysis Today</i> , in press, DOI: 10.1016/j.cattod.2019.04.011	M21a (4,888)
182.	Arutyunov Aram V,Zhukovskiy Sergey E,Marinkovic Boban Theorems of the	M22

	Alternative for Systems of Convex Inequalities, SET-VALUED AND VARIATIONAL ANALYSIS 27 (2019) 51-70	(1,120)
183.	Sustersic Tijana, Liverani Liliana, Boccaccini Aldo, Savic Slobodan, Janicijevic Aco, Filipovic Nenad, Numerical simulation of electrospinning process in commercial and in-house software PAK, Materials Research Express, vol. 6 (2019)	M23 (1,405)
184.	Zunic Zora, Stojanovska Zdenka, Boev Blazo, Sorsa Ajka, Celikovic Igor, Curguz Zoran, Ronnquist Tryggve, Janicijevic Aco, Alavantic Dragan, Sjenica, a Newly Identified Radon Priority Area in Serbia, and Radon Data Correlated with Geological Parameters Using the Multiple Linear Regression Model , Carpathian Journal Of Earth And Environmental Sciences 14 (2019) 235-244	M23 (0,907)
185.	Aleksandar Stajić, Ivana Radović, Vladan Čosović, Aleksandar Grujić, Jasna Stajić-Trošić, Radmila Jančić-Heinemann, The influence of barium ferrite nanoparticles on morphological and mechanical properties of ethyl cellulose based nanocomposites, - Science of Sintering, 2018, ISSN: 0350-820X, (IF 0.736, Materials Science, Ceramics 15/26) IN PRESS, Vol 51, No 3 (2019)	M22 (0,855)
186.	Rouaida M. Abozaid, Zorica Ž. Lazarević, Nataša Tomić, Aleksandra Milutinović, Dragutin Šević, Maja S. Rabasović, Vesna Radojević, Optical properties CaWO <sub>4</sub> :Nd <sup>3+</sup> /PMMA composite layered structures, Optical Materials 96 (2019) 109361, ISSN 0925-3467, <a href="https://doi.org/10.1016/j.optmat.2019.109361">https://doi.org/10.1016/j.optmat.2019.109361</a>	M22 (2,687)
187.	Tamara Radetić, Miljana Popović, Endre Romhanji, "The Influence of Cold Rolling Deformation and Annealing Temperature on Grain Growth in Al-4%Mg-Mn Alloy", Materiali in Tehnologije/ Materials and Technology, submitted, 2019	M23 (0,714)