

Z S Markovic

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176
papers

2,353
citations

23
h-index

37
g-index

212
ext. papers

2,836
ext. citations

2.8
avg. IF

5.34
L-index

#	Paper	IF	Citations
176	Revisiting the solvation enthalpies and free energies of the proton and electron in various solvents. <i>Computational and Theoretical Chemistry</i> , 2016 , 1077, 11-17	2	94
175	PM6 and DFT study of free radical scavenging activity of morin. <i>Food Chemistry</i> , 2012 , 134, 1754-60	8.5	86
174	Bond dissociation free energy as a general parameter for flavonoid radical scavenging activity. <i>Food Chemistry</i> , 2013 , 141, 1562-70	8.5	71
173	Free radical scavenging potency of quercetin catecholic colonic metabolites: Thermodynamics of 2H/2e processes. <i>Food Chemistry</i> , 2017 , 218, 144-151	8.5	68
172	PM6 study of free radical scavenging mechanisms of flavonoids: why does O-H bond dissociation enthalpy effectively represent free radical scavenging activity?. <i>Journal of Molecular Modeling</i> , 2013 , 19, 2593-603	2	65
171	Electrochemical and density functional theory study on the reactivity of fisetin and its radicals: implications on in vitro antioxidant activity. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 14170-9	2.8	60
170	Examination of the chemical behavior of the quercetin radical cation towards some bases. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7370-8	3.6	48
169	Experimental and theoretical study of antioxidative properties of some salicylaldehyde and vanillic Schiff bases. <i>RSC Advances</i> , 2015 , 5, 24094-24100	3.7	47
168	Towards an improved prediction of the free radical scavenging potency of flavonoids: the significance of double PCET mechanisms. <i>Food Chemistry</i> , 2014 , 152, 578-85	8.5	47
167	Computational Investigation of HIO and HIO ₂ Isomers. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 651-657	3.8	42
166	Iron complexes of dietary flavonoids: Combined spectroscopic and mechanistic study of their free radical scavenging activity. <i>Food Chemistry</i> , 2011 , 129, 1567-1577	8.5	41
165	Free radical scavenging activity of morin 2'-O(-) phenoxide anion. <i>Food Chemistry</i> , 2012 , 135, 2070-7	8.5	40
164	Antiradical activity of delphinidin, pelargonidin and malvin towards hydroxyl and nitric oxide radicals: The energy requirements calculations as a prediction of the possible antiradical mechanisms. <i>Food Chemistry</i> , 2017 , 218, 440-446	8.5	37
163	Theoretical study of the thermodynamics of the mechanisms underlying antiradical activity of cinnamic acid derivatives. <i>Food Chemistry</i> , 2018 , 246, 481-489	8.5	35
162	Mechanism of the Kolbe-Schmitt reaction. Structure of the intermediate potassium phenoxide-CO(2) complex. <i>Journal of Chemical Information and Modeling</i> , 2007 , 47, 1520-5	6.1	34
161	Influence of different free radicals on scavenging potency of gallic acid. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2345	2	30
160	Mechanistic pathways for the reaction of quercetin with hydroperoxy radical. <i>Theoretical Chemistry Accounts</i> , 2010 , 127, 69-80	1.9	30

159	Synthesis, spectroscopic characterization (FT-IR, FT-Raman, and NMR), quantum chemical studies and molecular docking of 3-(1-(phenylamino)ethylidene)-chroman-2,4-dione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 195, 31-40	4.4	29
158	Advanced oxidation process of coumarins by hydroxyl radical: Towards the new mechanism leading to less toxic products. <i>Chemical Engineering Journal</i> , 2020 , 395, 124971	14.7	28
157	Mechanistic study of the structure-activity relationship for the free radical scavenging activity of baicalein. <i>Journal of Molecular Modeling</i> , 2011 , 17, 2575-84	2	28
156	Kinetic determination of morphine by means of Bray-Liebafsky oscillatory reaction system using analyte pulse perturbation technique. <i>Analytica Chimica Acta</i> , 2007 , 582, 367-74	6.6	26
155	Efficient synthesis of fullerenes in RF thermal plasma reactor. <i>Chemical Physics Letters</i> , 2003 , 378, 434-439	3.5	25
154	Vibrational and Hirshfeld surface analyses, quantum chemical calculations, and molecular docking studies of coumarin derivative 3-(1-m-toluidinoethylidene)-chromane-2,4-dione and its corresponding palladium(II) complex. <i>Journal of Molecular Structure</i> , 2020 , 1209, 127935	3.4	24
153	Influence of alkali metal cations upon the Kolbe-Schmitt reaction mechanism. <i>Journal of Chemical Information and Modeling</i> , 2006 , 46, 1957-64	6.1	23
152	A probabilistic extension of intuitionistic logic. <i>Mathematical Logic Quarterly</i> , 2003 , 49, 415-424	0.3	23
151	QSAR of the free radical scavenging potency of selected hydroxybenzoic acids and simple phenolics. <i>Comptes Rendus Chimie</i> , 2015 , 18, 492-498	2.7	22
150	Energy requirements of the reactions of kaempferol and selected radical species in different media: towards the prediction of the possible radical scavenging mechanisms. <i>Structural Chemistry</i> , 2014 , 25, 1795-1804	1.8	22
149	Interpretation of the IR and Raman spectra of morin by density functional theory and comparative analysis. <i>Vibrational Spectroscopy</i> , 2013 , 64, 1-9	2.1	22
148	A DFT and PM6 study of free radical scavenging activity of ellagic acid. <i>Monatshefte für Chemie</i> , 2013 , 144, 803-812	1.4	22
147	Free radical scavenging and COX-2 inhibition by simple colon metabolites of polyphenols: A theoretical approach. <i>Computational Biology and Chemistry</i> , 2016 , 65, 45-53	3.6	22
146	Antiradical activity of catecholamines and metabolites of dopamine: theoretical and experimental study. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 12970-12980	3.6	21
145	Experimental and theoretical elucidation of structural and antioxidant properties of vanillylmandelic acid and its carboxylate anion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 198, 61-70	4.4	21
144	Influence of a Trout Farm on Water Quality and Macrozoobenthos Communities of the Receiving Stream (Trešjica River, Serbia). <i>International Review of Hydrobiology</i> , 2009 , 94, 673-687	2.3	21
143	Modification of TOPSIS method for solving of multicriteria tasks. <i>Yugoslav Journal of Operations Research</i> , 2010 , 20, 117-143	0.9	21
142	Influence of structural characteristics of substituents on the antioxidant activity of some anthraquinone derivatives. <i>Computational and Theoretical Chemistry</i> , 2016 , 1077, 25-31	2	20

141	Synthesis, characterization and cytotoxicity of a new palladium(II) complex with a coumarin-derived ligand 3-(1-(3-hydroxypropylamino)ethylidene)chroman-2,4-dione. Crystal structure of the 3-(1-(3-hydroxypropylamino)ethylidene)-chroman-2,4-dione. <i>Inorganica Chimica Acta</i> , 2017 , 466, 188-196	2.7	20
140	Free Radical Scavenging Potency of Dihydroxybenzoic Acids. <i>Journal of Chemistry</i> , 2017 , 2017, 1-9	2.3	20
139	The preferred radical scavenging mechanisms of fisetin and baicalein towards oxygen-centred radicals in polar protic and polar aprotic solvents. <i>RSC Advances</i> , 2014 , 4, 32228-32236	3.7	20
138	Thermodynamical aspect of radical scavenging activity of alizarin and alizarin red S. Theoretical comparative study. <i>Computational and Theoretical Chemistry</i> , 2014 , 1047, 15-21	2	20
137	Antioxidant and free radical scavenging activity of purpurin. <i>Monatshefte für Chemie</i> , 2012 , 143, 427-435	1.4	20
136	Completeness theorem for a logic with imprecise and conditional probabilities. <i>Publications De L'Institut Mathématique</i> , 2005 , 78, 35-49	0.2	20
135	Several coumarin derivatives and their Pd(II) complexes as potential inhibitors of the main protease of SARS-CoV-2, an approach.. <i>RSC Advances</i> , 2020 , 10, 35099-35108	3.7	20
134	Importance of hydrogen bonding and aromaticity indices in QSAR modeling of the antioxidative capacity of selected (poly)phenolic antioxidants. <i>Journal of Molecular Graphics and Modelling</i> , 2017 , 72, 240-245	2.8	19
133	Inhibitory activity of quercetin, its metabolite, and standard antiviral drugs towards enzymes essential for SARS-CoV-2: the role of acid-base equilibria.. <i>RSC Advances</i> , 2021 , 11, 2838-2847	3.7	19
132	Investigation of the radical scavenging potency of hydroxybenzoic acids and their carboxylate anions. <i>Monatshefte für Chemie</i> , 2014 , 145, 953-962	1.4	18
131	Investigation of the antioxidant and radical scavenging activities of some phenolic Schiff bases with different free radicals. <i>Journal of Molecular Modeling</i> , 2015 , 21, 293	2	18
130	A joint application of spectroscopic, electrochemical and theoretical approaches in evaluation of the radical scavenging activity of 3-OH flavones and their iron complexes towards different radical species. <i>Dalton Transactions</i> , 2012 , 41, 7295-303	4.3	18
129	Comparative spectroscopic and mechanistic study of chelation properties of fisetin with iron in aqueous buffered solutions. Implications on in vitro antioxidant activity. <i>Dalton Transactions</i> , 2011 , 40, 4560-71	4.3	18
128	Hydrogen atom transfer versus proton coupled electron transfer mechanism of gallic acid with different peroxy radicals. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018 , 123, 215-230	1.6	18
127	Synthesis, spectroscopic characterization, biological activity, DFT and molecular docking study of novel 4-hydroxycoumarine derivatives and corresponding palladium(II) complexes. <i>Inorganica Chimica Acta</i> , 2020 , 504, 119465	2.7	17
126	Comparative antiradical activity and molecular Docking/Dynamics analysis of octopamine and norepinephrine: the role of OH groups. <i>Computational Biology and Chemistry</i> , 2020 , 84, 107170	3.6	17
125	Selected anthraquinones as potential free radical scavengers and P-glycoprotein inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 1890-1902	3.9	16
124	Spectroscopic and theoretical investigation of the potential anti-tumor and anti-microbial agent, 3-(1-((2-hydroxyphenyl)amino)ethylidene)chroman-2,4-dione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 206, 421-429	4.4	16

123	Numerical and experimental LDL transport through arterial wall. <i>Microfluidics and Nanofluidics</i> , 2014 , 16, 455-464	2.8	16
122	Application of comparative vibrational spectroscopic and mechanistic studies in analysis of fisetin structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 83, 120-9	4.4	16
121	Antioxidative potential of ferulic acid phenoxyl radical. <i>Phytochemistry</i> , 2020 , 170, 112218	4	16
120	Structural and spectral analysis of 3-metoxytyramine, an important metabolite of dopamine. <i>Journal of Molecular Structure</i> , 2017 , 1134, 226-236	3.4	15
119	Preparation and antimicrobial activity of a new palladium(II) complexes with a coumarin-derived ligands. Crystal structures of the 3-(1-(o-toluidino)ethylidene)-chroman-2,4-dione and 3-(1-(m-toluidino) ethylidene)-chroman-2,4-dione. <i>Inorganica Chimica Acta</i> , 2019 , 484, 52-59	2.7	15
118	Synthesis and comprehensive spectroscopic (X-ray, NMR, FTIR, UV-Vis), quantum chemical and molecular docking investigation of 3-acetyl-4-hydroxy-2-oxo-2H-chromen-7-yl acetate. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129256	3.4	15
117	Structural, spectral and NBO analysis of 3-(1-(3-hydroxypropylamino)ethylidene)chroman-2,4-dione. <i>Journal of Molecular Structure</i> , 2017 , 1147, 69-75	3.4	14
116	Effect of supplemental feed type on water quality, plankton and benthos availability and carp (<i>Cyprinus carpio</i> L.) growth in semi-intensive monoculture ponds. <i>Aquaculture Research</i> , 2015 , 46, 777-788 ^{1,9}	1.9	14
115	Influence of diet on proximate composition and fatty acid profile in common carp (<i>Cyprinus carpio</i>). <i>Journal of Food Composition and Analysis</i> , 2013 , 31, 75-81	4.1	14
114	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2012 , 12,	1.2	14
113	Structural and theoretical analysis, molecular docking/dynamics investigation of 3-(1-m-chloridoethylidene)-chromane-2,4-dione: The role of chlorine atom. <i>Journal of Molecular Structure</i> , 2021 , 1231, 129962	3.4	14
112	DFT study on the reactivity of OH groups in emodin: structural and electronic features of emodin radicals. <i>Monatshefte Für Chemie</i> , 2009 , 140, 1311-1318	1.4	13
111	Spectral moments of phenylenes. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 112-9		13
110	Study of the mechanisms of antioxidative action of different antioxidants. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2016 , 10, 135-150	3	13
109	Comparative density functional study of antioxidative activity of the hydroxybenzoic acids and their anions. <i>Turkish Journal of Chemistry</i> , 2016 , 40, 499-509	1	13
108	Integrative approach of histopathology and histomorphometry of common carp (<i>Cyprinus carpio</i> L.) organs as a marker of general fish health state in pond culture. <i>Aquaculture Research</i> , 2016 , 47, 3455-3463 ^{1,9}	1.9	13
107	Thermodynamic and kinetic analysis of the reaction between biological catecholamines and chlorinated methylperoxy radicals. <i>Molecular Physics</i> , 2018 , 116, 1166-1178	1.7	11
106	Morphological and physiological evaluation of common carp (<i>Cyprinus carpio</i> L., 1758) fed extruded compound feeds containing different fat levels. <i>Aquaculture International</i> , 2014 , 22, 289-298	2.6	11

105	Structural and electronic features of baicalein and its radicals. <i>Monatshefte Für Chemie</i> , 2011 , 142, 145-152.	4	11
104	Study on fisetin-aluminium(III) interaction in aqueous buffered solutions by spectroscopy and molecular modeling. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 723-30	4.2	11
103	A Probabilistic Logic with Polynomial Weight Formulas 2008 , 239-252		11
102	Comparative analysis of using cereal grains and compound feed in semi-intensive common carp pond production. <i>Aquaculture International</i> , 2016 , 24, 1699-1723	2.6	11
101	Oxidation of kaempferol and its iron(III) complex by DPPH radicals: spectroscopic and theoretical study. <i>Monatshefte Für Chemie</i> , 2014 , 145, 557-563	1.4	10
100	The response of phytoplankton, zooplankton and macrozoobenthos communities to change in the water supply from surface to groundwater in aquaculture ponds. <i>Annales De Limnologie</i> , 2014 , 50, 131-141	0.7	10
99	One-Pot Synthesis of Tetrahydropyridine Derivatives: Liquid Salt Catalyst vs Glycolic Acid Promoter. Structure and Antiradical Activity of the New Products. <i>ChemistrySelect</i> , 2017 , 2, 11187-11194	1.8	10
98	Myocardial protection during elective coronary artery bypasses grafting by pretreatment with omega-3 polyunsaturated fatty acids. <i>Vojnosanitetski Pregled</i> , 2013 , 70, 484-92	0.1	10
97	DFT study on singlet diradical character of zethrenes. <i>Russian Journal of Physical Chemistry A</i> , 2011 , 85, 2368-2372	0.7	10
96	Influence of the temperature regime on the composition of the macrozoobenthos community in a thermal brook in Serbia. <i>Biologia (Poland)</i> , 2006 , 61, 179-191	1.5	10
95	Synthesis, Crystallographic, Quantum Chemical, Antitumor, and Molecular Docking/Dynamic Studies of 4-Hydroxycoumarin-Neurotransmitter Derivatives.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	10
94	Solvation enthalpies and Gibbs energies of the proton and electron: Influence of solvation models. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2016 , 10, 66-76	3	10
93	Synthesis, structural characterization, biological activity and molecular docking study of 4,7-dihydroxycoumarin modified by aminophenol derivatives. <i>Comptes Rendus Chimie</i> , 2021 , 24, 215-232	2.7	10
92	The 2H+/2e ⁻ free radical scavenging mechanisms of uric acid: thermodynamics of NH bond cleavage. <i>Computational and Theoretical Chemistry</i> , 2016 , 1077, 2-10	2	9
91	Synthesis and Characterization of 3-(1-((3,4-Dihydroxyphenethyl)amino)ethylidene)-chroman-2,4-dione as a Potential Antitumor Agent. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 2069250	6.7	9
90	The effects of geothermal water inflow on longitudinal changes in benthic macroinvertebrate community composition of a temperate stream. <i>Journal of Thermal Biology</i> , 2013 , 38, 255-263	2.9	9
89	Analytical characterization of lichexanthone in lichen: HPLC, UV spectroscopic, and DFT analysis of lichexanthone extracted from <i>Laurera benguelensis</i> (Mull. Arg.) Zahlbr.. <i>Monatshefte Für Chemie</i> , 2010 , 141, 945-952	1.4	9
88	Last step of the para route of the Kolbe-Schmitt reaction. <i>Journal of Chemical Information and Modeling</i> , 2008 , 48, 143-7	6.1	9

87	HPLC, UV-Vis and NMR spectroscopic and DFT characterization of purpurin isolated from <i>Rubia tinctorum</i> L.. <i>Hemijaska Industrija</i> , 2013 , 67, 77-88	0.6	9
86	Theoretical analysis of the experimental UV-Vis absorption spectra of some phenolic Schiff bases. <i>Molecular Physics</i> , 2017 , 115, 2460-2468	1.7	8
85	Natural acridones and coumarins as free radical scavengers: Mechanistic and kinetic studies. <i>Chemical Physics Letters</i> , 2020 , 746, 137312	2.5	8
84	Potent 1,2,4-Triazole-3-thione Radical Scavengers Derived from Phenolic Acids: Synthesis, Electrochemistry, and Theoretical Study. <i>ChemistrySelect</i> , 2016 , 1, 3870-3878	1.8	8
83	Histopathological indicators: a useful fish health monitoring tool in common carp (<i>Cyprinus carpio</i> Linnaeus, 1758) culture. <i>Open Life Sciences</i> , 2013 , 8, 975-985	1.2	8
82	Oxygen regulation of alternative respiration in fungus <i>Phycomyces blakesleeanus</i> : connection with phosphate metabolism. <i>Research in Microbiology</i> , 2013 , 164, 770-8	4	8
81	Structural characterization of kaempferol: a spectroscopic and computational study. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2019 , 38, 49	1.1	8
80	Synthesis and theoretical investigation of some new 4-substituted flavylum salts. <i>Food Chemistry</i> , 2017 , 229, 688-694	8.5	7
79	The role of guaiacyl moiety in free radical scavenging by 3,5-dihydroxy-4-methoxybenzyl alcohol: thermodynamics of 3H ⁺ /3e ⁻ mechanisms. <i>Molecular Physics</i> , 2019 , 117, 207-217	1.7	7
78	DFT study of free radical scavenging activity of erodiol. <i>Chemical Papers</i> , 2013 , 67,	1.9	7
77	Structure and reactivity of baicalein radical cation. <i>International Journal of Quantum Chemistry</i> , 2012 , 112, 2009-2017	2.1	7
76	Modelling the formation of biogenic iodine in marine aerosols. <i>Environmental Chemistry Letters</i> , 2004 , 2, 65-69	13.3	7
75	Influence of abiotic and biotic environmental factors on weight gain of cultured carp on a carp farm. <i>Archives of Biological Sciences</i> , 2009 , 61, 113-121	0.7	7
74	Impact of the phenolic O-H vs. C-ring C-H bond cleavage on the antioxidant potency of dihydrokaempferol. <i>New Journal of Chemistry</i> , 2021 , 45, 7977-7986	3.6	7
73	Reactivity of the coumarine derivative towards cartilage proteins: combined NBO, QTAIM, and molecular docking study. <i>Monatshefte Für Chemie</i> , 2018 , 149, 159-166	1.4	7
72	A propositional probabilistic logic with discrete linear time for reasoning about evidence. <i>Annals of Mathematics and Artificial Intelligence</i> , 2012 , 65, 217	0.8	6
71	The reactivity of dopamine precursors and metabolites towards ABTS: An experimental and theoretical study. <i>Journal of the Serbian Chemical Society</i> , 2019 , 84, 877-889	0.9	6
70	Green One-Pot Synthesis of Coumarin-Hydroxybenzohydrazide Hybrids and Their Antioxidant Potency. <i>Antioxidants</i> , 2021 , 10,	7.1	6

69	Effect of supplemental feeds on liver and intestine of common carp (<i>Cyprinus carpio</i>) in semi-intensive rearing system: histological implications. <i>Biologia (Poland)</i> , 2016 , 71, 212-219	1.5	6
68	Enhanced visible light-triggered antibacterial activity of carbon quantum dots/polyurethane nanocomposites by gamma rays induced pre-treatment. <i>Radiation Physics and Chemistry</i> , 2021 , 185, 109499	2.5	6
67	Novel 1,3,4-thiadiazole conjugates derived from protocatechuic acid: Synthesis, antioxidant activity, and computational and electrochemical studies. <i>Comptes Rendus Chimie</i> , 2019 , 22, 585-598	2.7	5
66	Global warming effects on benthic macroinvertebrates: a model case study from a small geothermal stream. <i>Hydrobiologia</i> , 2014 , 732, 147-159	2.4	5
65	Comparative study of the effects of a small-scale trout farm on the macrozoobenthos, potamoplankton, and epilithic diatom communities. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 403	3.1	5
64	High-performance liquid chromatographic analysis of anthraquinone compounds in the <i>Laurera benguelensis</i> . <i>Russian Journal of Physical Chemistry A</i> , 2009 , 83, 1554-1557	0.7	5
63	Mechanism of the Kolbe-Schmitt reaction with lithium and sodium phenoxides. <i>Russian Journal of Physical Chemistry A</i> , 2007 , 81, 1392-1397	0.7	5
62	Kolbe-Schmitt reaction of sodium 2-naphthoxide. <i>Monatshefte für Chemie</i> , 2008 , 139, 329-335	1.4	5
61	Monitoring water quality using zooplankton organisms as bioindicators at the Dubica fish farm, Serbia. <i>Archives of Biological Sciences</i> , 2006 , 58, 245-248	0.7	5
60	Influence of a trout farm on macrozoobenthos communities of the Tresnjica river, Serbia. <i>Archives of Biological Sciences</i> , 2009 , 61, 483-492	0.7	5
59	Geometry and conformation of benzenecarboxylic acids. <i>Journal of the Serbian Chemical Society</i> , 2004 , 69, 877-882	0.9	5
58	Synthesis and Biological Screening of New 4-Hydroxycoumarin Derivatives and Their Palladium(II) Complexes. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 8849568	6.7	5
57	Effects of conjugation metabolism on radical scavenging and transport properties of quercetin - In silico study. <i>Journal of Molecular Graphics and Modelling</i> , 2019 , 86, 278-285	2.8	5
56	Revisiting the Kolbe-Schmitt reaction of sodium 2-naphthoxide. <i>Theoretical Chemistry Accounts</i> , 2015 , 134, 1	1.9	4
55	Insight into interaction properties between mercury and lead cations with chitosan and chitin: Density functional theory studies. <i>Computational and Theoretical Chemistry</i> , 2018 , 1138, 99-106	2	4
54	Study of Influence of Free Radical Species on Antioxidant Activity of Selected 1,2,4-Triazole-3-thiones. <i>ChemistrySelect</i> , 2019 , 4, 7476-7485	1.8	4
53	A simple method for the approximate calculation of Hosoya's index. <i>Chemical Physics Letters</i> , 1987 , 134, 139-142	2.5	4
52	Synthesis, characterization and investigating the binding mechanism of novel coumarin derivatives with human serum albumin: Spectroscopic and computational approach. <i>Journal of Molecular Structure</i> , 2022 , 1254, 132366	3.4	4

51	Comparison of the scavenging capacities of phloroglucinol and 2,4,6-trihydroxypyridine towards HO \cdot radical: a computational study.. <i>RSC Advances</i> , 2020 , 10, 43262-43272	3.7	4
50	Advanced oxidation processes of coumarins by hydroperoxyl radical: An experimental and theoretical study, and ecotoxicology assessment. <i>Chemical Engineering Journal</i> , 2021 , 424, 130331	14.7	4
49	Assessment of the water quality of aquatic resources using biological methods. <i>Desalination and Water Treatment</i> , 2009 , 11, 264-274		3
48	Kinetics of extraction of coal-tar pitch components with supercritical carbon dioxide. <i>Chemical Papers</i> , 2007 , 61,	1.9	3
47	Delphinidin-Aluminum(III) Complexes in Aqueous and Non-Aqueous Media: Spectroscopic Characterization and Theoretical Study. <i>Monatshefte für Chemie</i> , 2007 , 138, 1225-1232	1.4	3
46	Fatty acid profile in muscles of carp (<i>Cyprinus carpio</i> L.) raised in a semi-intensive production system fed with grains, pelleted and extruded feed. <i>Archives of Biological Sciences</i> , 2014 , 66, 877-887	0.7	3
45	ANTIOXIDATIVE AND INHIBITION POTENCY OF CYNODONTIN. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2020 , 59-70	3	3
44	Vibrational spectroscopic studies (FTIR and FT-Raman) and molecular dynamics analysis of industry inspired 3-amino-4-hydroxybenzene sulfonic acid. <i>Journal of Molecular Structure</i> , 2020 , 1205, 127579	3.4	3
43	Comparative MD Study of Inhibitory Activity of Opaganib and Adamantane-Isothiourea Derivatives toward COVID-19 Main Protease M.. <i>ChemistrySelect</i> , 2021 , 6, 8603-8610	1.8	3
42	Experimental and theoretical investigations of an organic nonlinear optical material p-toluidinium picrate [A comparative study. <i>Journal of Molecular Structure</i> , 2019 , 1195, 73-84	3.4	2
41	Synthesis, characterization and antimicrobial activity of palladium(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-(3,3'-1H-indol-3yl)-propionic acid. <i>Inorganica Chimica Acta</i> , 2020 , 510, 119743	2.7	2
40	QSAR of the free radical scavenging potency of selected hydroxyanthraquinones. <i>Chemical Papers</i> , 2018 , 72, 2785-2793	1.9	2
39	How changes in water quality under the influence of land-based trout farms shape chemism of the recipient streams—case study from Serbia. <i>Aquaculture International</i> , 2019 , 27, 1625-1641	2.6	2
38	Mechanism, kinetics and selectivity of selenocyclization of 5-alkenylhydantoin: an experimental and computational study. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1865-75	2.5	2
37	Qualitative Possibilities and Necessities. <i>Lecture Notes in Computer Science</i> , 2009 , 651-662	0.9	2
36	Formation of sodium 6-hydroxy-2-naphthoate in the Kolbe-Schmitt reaction. <i>Monatshefte für Chemie</i> , 2008 , 139, 1169-1174	1.4	2
35	Extremely branched alkanes. <i>Computational and Theoretical Chemistry</i> , 2003 , 629, 303-306		2
34	The influence of supplement feed preparation on the fatty acid composition of carp and Chironomidae larvae in a semi-intensive production system. <i>Archives of Biological Sciences</i> , 2013 , 65, 1387-1396 ²	0.7	2

33	Unusually sluggish microemulsion system with water, toluene and a technical branched alkyl polyethoxylate. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2015 , 21, 429-439	0.7	2
32	Molecular orbital study of the oxidation of steroidal phenols into quinols and epoxyquinols. <i>Journal of the Serbian Chemical Society</i> , 2000 , 65, 491-496	0.9	2
31	Coupling agents and biomimetic methods of calcium hydroxyapatites design as basic elements of the hierarchically structured bone scaffold. <i>Serbian Dental Journal</i> , 2009 , 56, 130-138	0.3	2
30	Fauna of Ephemeroptera in the running waters of west Serbia. <i>Archives of Biological Sciences</i> , 2002 , 54, 117-124	0.7	2
29	How to Restore Compactness into Probabilistic Logics?. <i>Lecture Notes in Computer Science</i> , 2008 , 338-348.	0.9	2
28	Agriotypus armatusCurtis, 1832, a parasitoid ofSilo pallipesFabricius, 1781: the first record for the Balkan Peninsula. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2014 , 05	1.4	1
27	Kinetics of thermal reaction $\text{HOCl} + \text{H}_2\text{S} + \text{OCl}(\text{X})$ in gas phase. <i>Russian Journal of Physical Chemistry A</i> , 2011 , 85, 2283-2287	0.7	1
26	The Dependence of Vicinal Proton-Proton Coupling Constants on Molecular Structure. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1994 , 49, 815-818	1.4	1
25	Approximate Formulas for Hosoya's Topological Index. <i>Bulletin of the Chemical Society of Japan</i> , 1987 , 60, 2611-2614	5.1	1
24	A contribution to the study of the trichoptera fauna in Serbia over the period 1980-2001. <i>Archives of Biological Sciences</i> , 2002 , 54, 15P-16P	0.7	1
23	Dynamics and distribution of macrozoobenthos in the Toplica river, a tributary of the Kolubara. <i>Archives of Biological Sciences</i> , 2002 , 54, 19-27	0.7	1
22	Optical diagnostics of fullerene synthesis in the RF thermal plasma process. <i>Journal of the Serbian Chemical Society</i> , 2005 , 70, 79-85	0.9	1
21	Numerical simulation of fire spread in terminal 2 of Belgrade airport. <i>Thermal Science</i> , 2007 , 11, 251-258.	1.2	1
20	Zeta-potential and flotability of the scheelite mineral in different type of waters, Part 2: Flotability. <i>Hemijska Industrija</i> , 2009 , 63, 377-385	0.6	1
19	In vitro, in vivo and in silico evaluation of the anti-inflammatory potential of Hyssopus officinalis L. subsp. aristatus (Godr.) Nyman (Lamiaceae).. <i>Journal of Ethnopharmacology</i> , 2022 , 115201	5	1
18	Spectral moments of polycyclic aromatic hydrocarbons. Solution of a kinetic problem. <i>Journal of Chemical Information and Computer Sciences</i> , 2002 , 42, 82-6		0
17	Characterization of the genetic structure of the brown trout (Salmo trutta) from Braduljica fish farm, Serbia. <i>Biotechnology in Animal Husbandry</i> , 2019 , 35, 289-299	0.3	0
16	Effects of different feeds on growth performance parameters, histology of liver, distal intestine, and erythrocytes morphology of common carp (Cyprinus carpio L.). <i>Biologia (Poland)</i> , 1	1.5	0

- 15 Accumulation and seasonal variation of toxic and trace elements in tissues of *Cyprinus carpio* from semi-intensive aquaculture ponds. *Annales De Limnologie*, **2018**, 54, 4 0.7
- 14 A joint application of vibrational spectroscopic and quantum mechanical methods in quantitative analysis of baicalein structure. *Monatshefte Für Chemie*, **2012**, 143, 1369-1378 1.4
- 13 Notiz: The Dependence of Vicinal Proton-Proton Coupling Constants of Norbornenes on Molecular Structure. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **1996**, 51, 1042-1044 1.4
- 12 Influence of Nonpolar Medium on Antioxidant Capacity of Bergaptol and Xanthotoxolkinetic DFT Study. *Chemistry Proceedings*, **2021**, 3, 91
- 11 Antioxidative Properties of Usnic Acid and Its Interaction with Tyrosyl-DNA Phosphodiesterase. *Learning and Analytics in Intelligent Systems*, **2020**, 80-91 0.3
- 10 Free Radical Scavenger Activity and P-glycoprotein Inhibition Capacity of 1,2,4-Trihydroxyxanthone. *Learning and Analytics in Intelligent Systems*, **2020**, 92-103 0.3
- 9 The diversity of Trichoptera larvae in the Juzna Morava river basin. *Archives of Biological Sciences*, **2003**, 55, 33P-34P 0.7
- 8 Influence of the precursor on fullerene synthesis in a RF thermal plasma reactor. *Chemical Industry and Chemical Engineering Quarterly*, **2006**, 12, 246-250 0.7
- 7 Carboxylation of sodium 2-naphthoxide. Reinvestigation of the mechanism by means of a hybrid meta density functional theory method. *Hemijaska Industrija*, **2015**, 69, 485-492 0.6
- 6 Extensions of the Probability Logics LPP(₂) and LFOP(₁) **2016**, 133-164
- 5 Zeta-potential and flotability of the scheelite mineral in different type of waters, Part 1: Zeta-potential. *Hemijaska Industrija*, **2009**, 63, 369-376 0.6
- 4 The isolation, analytical characterization by HPLC-UV and NMR spectroscopy, cytotoxic and antioxidant activities of baeomycesic acid from *Thamnolia vermicularis* var. *subuliformis*. *Hemijaska Industrija*, **2011**, 65, 591-598 0.6
- 3 Different theoretical approaches in the study of antioxidative mechanisms **2020**, 211-256
- 2 On the origin of the antioxidant potential of selected wines: combined HPLC, QSAR, and DFT study. *Monatshefte Für Chemie*, **2021**, 152, 1173-1181 1.4
- 1 Usnic Acid as a Potential Free Radical Scavenger and its Inhibitory Activity Toward SARS-CoV-2 Proteins. *Journal of Computational Biophysics and Chemistry*, **2021**, 20, 655-666