

# Z S Markovic

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Synthesis, Crystallographic, Quantum Chemical, Antitumor, and Molecular Docking/Dynamic Studies of 4-Hydroxycoumarin-Neurotransmitter Derivatives.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	10
175	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> , <b>2022</b> , 1254, 132366	3.4	4
174	In vitro, in vivo and in silico evaluation of the anti-inflammatory potential of <i>Hyssopus officinalis</i> L. subsp. <i>aristatus</i> (Godr.) Nyman (Lamiaceae).. <i>Journal of Ethnopharmacology</i> , <b>2022</b> , 115201	5	1
173	Influence of Nonpolar Medium on Antioxidant Capacity of Bergaptol and Xanthotoxol. Kinetic DFT Study. <i>Chemistry Proceedings</i> , <b>2021</b> , 3, 91		
172	Synthesis and Biological Screening of New 4-Hydroxycoumarin Derivatives and Their Palladium(II) Complexes. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 8849568	6.7	5
171	Synthesis, structural characterization, biological activity and molecular docking study of 4,7-dihydroxycoumarin modified by aminophenol derivatives. <i>Comptes Rendus Chimie</i> , <b>2021</b> , 24, 215-232	2.7	10
170	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> , <b>2021</b> , 1231, 129962	3.4	14
169	Green One-Pot Synthesis of Coumarin-Hydroxybenzohydrazide Hybrids and Their Antioxidant Potency. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	6
168	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> , <b>2021</b> , 1225, 129256	3.4	15
167	Impact of the phenolic OH vs. C-ring CH bond cleavage on the antioxidant potency of dihydrokaempferol. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 7977-7986	3.6	7
166	Enhanced visible light-triggered antibacterial activity of carbon quantum dots/polyurethane nanocomposites by gamma rays induced pre-treatment. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 185, 109499	2.5	6
165	On the origin of the antioxidant potential of selected wines: combined HPLC, QSAR, and DFT study. <i>Monatshefte für Chemie</i> , <b>2021</b> , 152, 1173-1181	1.4	
164	Usnic Acid as a Potential Free Radical Scavenger and its Inhibitory Activity Toward SARS-CoV-2 Proteins. <i>Journal of Computational Biophysics and Chemistry</i> , <b>2021</b> , 20, 655-666		
163	Comparative MD Study of Inhibitory Activity of Opaganib and Adamantane-Isothiourea Derivatives toward COVID-19 Main Protease M.. <i>ChemistrySelect</i> , <b>2021</b> , 6, 8603-8610	1.8	3
162	Advanced oxidation processes of coumarins by hydroperoxyl radical: An experimental and theoretical study, and ecotoxicology assessment. <i>Chemical Engineering Journal</i> , <b>2021</b> , 424, 130331	14.7	4
161	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> , <b>2021</b> , 11, 2838-2847	3.7	19
160	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-3-yl)-propionic acid. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 510, 119743	2.7	2

159	Natural acridones and coumarins as free radical scavengers: Mechanistic and kinetic studies. <i>Chemical Physics Letters</i> , <b>2020</b> , 746, 137312	2.5	8
158	Vibrational and Hirshfeld surface analyses, quantum chemical calculations, and molecular docking studies of coumarin derivative 3-(1-m-toluidinoethylidene)-chroman-2,4-dione and its corresponding palladium(II) complex. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1209, 127935	3.4	24
157	Synthesis, spectroscopic characterization, biological activity, DFT and molecular docking study of novel 4-hydroxycoumarin derivatives and corresponding palladium(II) complexes. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 504, 119465	2.7	17
156	Advanced oxidation process of coumarins by hydroxyl radical: Towards the new mechanism leading to less toxic products. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 124971	14.7	28
155	Antioxidative Properties of Usnic Acid and Its Interaction with Tyrosyl-DNA Phosphodiesterase. <i>Learning and Analytics in Intelligent Systems</i> , <b>2020</b> , 80-91	0.3	
154	Free Radical Scavenger Activity and P-glycoprotein Inhibition Capacity of 1,2,4-Trihydroxyxanthone. <i>Learning and Analytics in Intelligent Systems</i> , <b>2020</b> , 92-103	0.3	
153	ANTIOXIDATIVE AND INHIBITION POTENCY OF CYNODONTIN. <i>Journal of the Serbian Society for Computational Mechanics</i> , <b>2020</b> , 59-70	3	3
152	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> , <b>2020</b> , 1205, 127579	3.4	3
151	Antioxidative potential of ferulic acid phenoxyl radical. <i>Phytochemistry</i> , <b>2020</b> , 170, 112218	4	16
150	Comparative antiradical activity and molecular Docking/Dynamics analysis of octopamine and norepinephrine: the role of OH groups. <i>Computational Biology and Chemistry</i> , <b>2020</b> , 84, 107170	3.6	17
149	Comparison of the scavenging capacities of phloroglucinol and 2,4,6-trihydroxypyridine towards HO <sup>•</sup> radical: a computational study.. <i>RSC Advances</i> , <b>2020</b> , 10, 43262-43272	3.7	4
148	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> , <b>2020</b> , 10, 35099-35108	3.7	20
147	Different theoretical approaches in the study of antioxidative mechanisms <b>2020</b> , 211-256		
146	Experimental and theoretical investigations of an organic nonlinear optical material p-toluidinium picrate [A comparative study. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1195, 73-84	3.4	2
145	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> , <b>2019</b> , 2019, 2069250	6.7	9
144	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> , <b>2019</b> , 206, 421-429	4.4	16
143	The role of guaiacyl moiety in free radical scavenging by 3,5-dihydroxy-4-methoxybenzyl alcohol: thermodynamics of 3H <sup>+</sup> /3e <sup>-</sup> mechanisms. <i>Molecular Physics</i> , <b>2019</b> , 117, 207-217	1.7	7
142	How changes in water quality under the influence of land-based trout farms shape chemism of the recipient streams—base study from Serbia. <i>Aquaculture International</i> , <b>2019</b> , 27, 1625-1641	2.6	2

141	Study of Influence of Free Radical Species on Antioxidant Activity of Selected 1,2,4-Triazole-3-thiones. <i>ChemistrySelect</i> , <b>2019</b> , 4, 7476-7485	1.8	4
140	Novel 1,3,4-thiadiazole conjugates derived from protocatechuic acid: Synthesis, antioxidant activity, and computational and electrochemical studies. <i>Comptes Rendus Chimie</i> , <b>2019</b> , 22, 585-598	2.7	5
139	Structural characterization of kaempferol: a spectroscopic and computational study. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , <b>2019</b> , 38, 49	1.1	8
138	The reactivity of dopamine precursors and metabolites towards ABTS: An experimental and theoretical study. <i>Journal of the Serbian Chemical Society</i> , <b>2019</b> , 84, 877-889	0.9	6
137	Characterization of the genetic structure of the brown trout ( <i>Salmo trutta</i> ) from Braduljica fish farm, Serbia. <i>Biotechnology in Animal Husbandry</i> , <b>2019</b> , 35, 289-299	0.3	0
136	Preparation and antimicrobial activity of a new palladium(II) complexes with a coumarin-derived ligands. Crystal structures of the 3-(1-( <i>o</i> -toluidino)ethylidene)-chroman-2,4-dione and 3-(1-( <i>m</i> -toluidino)ethylidene)-chroman-2,4-dione. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 484, 52-59	2.7	15
135	Effects of conjugation metabolism on radical scavenging and transport properties of quercetin - In silico study. <i>Journal of Molecular Graphics and Modelling</i> , <b>2019</b> , 86, 278-285	2.8	5
134	Selected anthraquinones as potential free radical scavengers and P-glycoprotein inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 1890-1902	3.9	16
133	Accumulation and seasonal variation of toxic and trace elements in tissues of <i>Cyprinus carpio</i> from semi-intensive aquaculture ponds. <i>Annales De Limnologie</i> , <b>2018</b> , 54, 4	0.7	
132	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> , <b>2018</b> , 198, 61-70	4.4	21
131	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> , <b>2018</b> , 195, 31-40	4.4	29
130	Thermodynamic and kinetic analysis of the reaction between biological catecholamines and chlorinated methylperoxy radicals. <i>Molecular Physics</i> , <b>2018</b> , 116, 1166-1178	1.7	11
129	Insight into interaction properties between mercury and lead cations with chitosan and chitin: Density functional theory studies. <i>Computational and Theoretical Chemistry</i> , <b>2018</b> , 1138, 99-106	2	4
128	QSAR of the free radical scavenging potency of selected hydroxyanthraquinones. <i>Chemical Papers</i> , <b>2018</b> , 72, 2785-2793	1.9	2
127	Reactivity of the coumarine derivative towards cartilage proteins: combined NBO, QTAIM, and molecular docking study. <i>Monatshefte Für Chemie</i> , <b>2018</b> , 149, 159-166	1.4	7
126	Theoretical study of the thermodynamics of the mechanisms underlying antiradical activity of cinnamic acid derivatives. <i>Food Chemistry</i> , <b>2018</b> , 246, 481-489	8.5	35
125	Hydrogen atom transfer versus proton coupled electron transfer mechanism of gallic acid with different peroxy radicals. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2018</b> , 123, 215-230	1.6	18
124	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> , <b>2017</b> , 72, 240-245	2.8	19

123	Antiradical activity of catecholamines and metabolites of dopamine: theoretical and experimental study. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 12970-12980	3.6	21
122	Theoretical analysis of the experimental UV-Vis absorption spectra of some phenolic Schiff bases. <i>Molecular Physics</i> , <b>2017</b> , 115, 2460-2468	1.7	8
121	Structural, spectral and NBO analysis of 3-(1-(3-hydroxypropylamino)ethylidene)chroman-2,4-dione. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1147, 69-75	3.4	14
120	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> , <b>2017</b> , 466, 188-196	2.7	20
119	Synthesis and theoretical investigation of some new 4-substituted flavylum salts. <i>Food Chemistry</i> , <b>2017</b> , 229, 688-694	8.5	7
118	Structural and spectral analysis of 3-metoxytyramine, an important metabolite of dopamine. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1134, 226-236	3.4	15
117	Free Radical Scavenging Potency of Dihydroxybenzoic Acids. <i>Journal of Chemistry</i> , <b>2017</b> , 2017, 1-9	2.3	20
116	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> , <b>2017</b> , 189, 403	3.1	5
115	One-Pot Synthesis of Tetrahydropyridine Derivatives: Liquid Salt Catalyst vs Glycolic Acid Promoter. Structure and Antiradical Activity of the New Products. <i>ChemistrySelect</i> , <b>2017</b> , 2, 11187-11194	1.8	10
114	Free radical scavenging potency of quercetin catecholic colonic metabolites: Thermodynamics of 2H/2e processes. <i>Food Chemistry</i> , <b>2017</b> , 218, 144-151	8.5	68
113	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> , <b>2017</b> , 218, 440-446	8.5	37
112	Influence of structural characteristics of substituents on the antioxidant activity of some anthraquinone derivatives. <i>Computational and Theoretical Chemistry</i> , <b>2016</b> , 1077, 25-31	2	20
111	The 2H+/2e <sup>-</sup> free radical scavenging mechanisms of uric acid: thermodynamics of NH bond cleavage. <i>Computational and Theoretical Chemistry</i> , <b>2016</b> , 1077, 2-10	2	9
110	Potent 1,2,4-Triazole-3-thione Radical Scavengers Derived from Phenolic Acids: Synthesis, Electrochemistry, and Theoretical Study. <i>ChemistrySelect</i> , <b>2016</b> , 1, 3870-3878	1.8	8
109	Revisiting the solvation enthalpies and free energies of the proton and electron in various solvents. <i>Computational and Theoretical Chemistry</i> , <b>2016</b> , 1077, 11-17	2	94
108	Study of the mechanisms of antioxidative action of different antioxidants. <i>Journal of the Serbian Society for Computational Mechanics</i> , <b>2016</b> , 10, 135-150	3	13
107	Solvation enthalpies and Gibbs energies of the proton and electron: Influence of solvation models. <i>Journal of the Serbian Society for Computational Mechanics</i> , <b>2016</b> , 10, 66-76	3	10
106	Extensions of the Probability Logics LPP( <sub>2</sub> ) and LFOP( <sub>1</sub> ) <b>2016</b> , 133-164		

105	Comparative density functional study of antioxidative activity of the hydroxybenzoic acids and their anions. <i>Turkish Journal of Chemistry</i> , <b>2016</b> , 40, 499-509	1	13
104	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> , <b>2016</b> , 47, 3455-3463	1.9	13
103	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> , <b>2016</b> , 71, 212-219	1.5	6
102	Comparative analysis of using cereal grains and compound feed in semi-intensive common carp pond production. <i>Aquaculture International</i> , <b>2016</b> , 24, 1699-1723	2.6	11
101	Free radical scavenging and COX-2 inhibition by simple colon metabolites of polyphenols: A theoretical approach. <i>Computational Biology and Chemistry</i> , <b>2016</b> , 65, 45-53	3.6	22
100	QSAR of the free radical scavenging potency of selected hydroxybenzoic acids and simple phenolics. <i>Comptes Rendus Chimie</i> , <b>2015</b> , 18, 492-498	2.7	22
99	Revisiting the Kolbe-Schmitt reaction of sodium 2-naphthoxide. <i>Theoretical Chemistry Accounts</i> , <b>2015</b> , 134, 1	1.9	4
98	Experimental and theoretical study of antioxidative properties of some salicylaldehyde and vanillic Schiff bases. <i>RSC Advances</i> , <b>2015</b> , 5, 24094-24100	3.7	47
97	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> , <b>2015</b> , 46, 777-788	1.9	14
96	Mechanism, kinetics and selectivity of selenocyclization of 5-alkenylhydantoins: an experimental and computational study. <i>Beilstein Journal of Organic Chemistry</i> , <b>2015</b> , 11, 1865-75	2.5	2
95	Investigation of the antioxidant and radical scavenging activities of some phenolic Schiff bases with different free radicals. <i>Journal of Molecular Modeling</i> , <b>2015</b> , 21, 293	2	18
94	Unusually sluggish microemulsion system with water, toluene and a technical branched alkyl polyethoxylate. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2015</b> , 21, 429-439	0.7	2
93	Carboxylation of sodium 2-naphthoxide. Reinvestigation of the mechanism by means of a hybrid meta density functional theory method. <i>Hemijaska Industrija</i> , <b>2015</b> , 69, 485-492	0.6	
92	Towards an improved prediction of the free radical scavenging potency of flavonoids: the significance of double PCET mechanisms. <i>Food Chemistry</i> , <b>2014</b> , 152, 578-85	8.5	47
91	Oxidation of kaempferol and its iron(III) complex by DPPH radicals: spectroscopic and theoretical study. <i>Monatshefte für Chemie</i> , <b>2014</b> , 145, 557-563	1.4	10
90	Investigation of the radical scavenging potency of hydroxybenzoic acids and their carboxylate anions. <i>Monatshefte für Chemie</i> , <b>2014</b> , 145, 953-962	1.4	18
89	The preferred radical scavenging mechanisms of fisetin and baicalein towards oxygen-centred radicals in polar protic and polar aprotic solvents. <i>RSC Advances</i> , <b>2014</b> , 4, 32228-32236	3.7	20
88	Thermodynamical aspect of radical scavenging activity of alizarin and alizarin red S. Theoretical comparative study. <i>Computational and Theoretical Chemistry</i> , <b>2014</b> , 1047, 15-21	2	20

87	Global warming effects on benthic macroinvertebrates: a model case study from a small geothermal stream. <i>Hydrobiologia</i> , <b>2014</b> , 732, 147-159	2.4	5
86	Influence of different free radicals on scavenging potency of gallic acid. <i>Journal of Molecular Modeling</i> , <b>2014</b> , 20, 2345	2	30
85	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> , <b>2014</b> , 25, 1795-1804	1.8	22
84	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> , <b>2014</b> , 50, 131-147	0.7	10
83	Agriotypus armatusCurtis, 1832, a parasitoid ofSilo pallipesFabricius, 1781: the first record for the Balkan Peninsula. <i>Knowledge and Management of Aquatic Ecosystems</i> , <b>2014</b> , 05	1.4	1
82	Numerical and experimental LDL transport through arterial wall. <i>Microfluidics and Nanofluidics</i> , <b>2014</b> , 16, 455-464	2.8	16
81	Morphological and physiological evaluation of common carp (Cyprinus carpio L., 1758) fed extruded compound feeds containing different fat levels. <i>Aquaculture International</i> , <b>2014</b> , 22, 289-298	2.6	11
80	Fatty acid profile in muscles of carp (Cyprinus carpio L.) raised in a semi-intensive production system fed with grains, pelleted and extruded feed. <i>Archives of Biological Sciences</i> , <b>2014</b> , 66, 877-887	0.7	3
79	DFT study of free radical scavenging activity of erodiol. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	7
78	Histopathological indicators: a useful fish health monitoring tool in common carp (Cyprinus carpio Linnaeus, 1758) culture. <i>Open Life Sciences</i> , <b>2013</b> , 8, 975-985	1.2	8
77	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> , <b>2013</b> , 19, 2593-603	2	65
76	Influence of diet on proximate composition and fatty acid profile in common carp (Cyprinus carpio). <i>Journal of Food Composition and Analysis</i> , <b>2013</b> , 31, 75-81	4.1	14
75	The effects of geothermal water inflow on longitudinal changes in benthic macroinvertebrate community composition of a temperate stream. <i>Journal of Thermal Biology</i> , <b>2013</b> , 38, 255-263	2.9	9
74	Interpretation of the IR and Raman spectra of morin by density functional theory and comparative analysis. <i>Vibrational Spectroscopy</i> , <b>2013</b> , 64, 1-9	2.1	22
73	Oxygen regulation of alternative respiration in fungus Phycomyces blakesleeanus: connection with phosphate metabolism. <i>Research in Microbiology</i> , <b>2013</b> , 164, 770-8	4	8
72	Examination of the chemical behavior of the quercetin radical cation towards some bases. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 7370-8	3.6	48
71	A DFT and PM6 study of free radical scavenging activity of ellagic acid. <i>Monatshefte für Chemie</i> , <b>2013</b> , 144, 803-812	1.4	22
70	Bond dissociation free energy as a general parameter for flavonoid radical scavenging activity. <i>Food Chemistry</i> , <b>2013</b> , 141, 1562-70	8.5	71

69	Myocardial protection during elective coronary artery bypasses grafting by pretreatment with omega-3 polyunsaturated fatty acids. <i>Vojnosanitetski Pregled</i> , <b>2013</b> , 70, 484-92	0.1	10
68	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> , <b>2013</b> , 65, 1387-1396 <sup>2</sup>	0.7	1396 <sup>2</sup>
67	HPLC, UV-Vis and NMR spectroscopic and DFT characterization of purpurin isolated from <i>Rubia tinctorum</i> L.. <i>Hemijaska Industrija</i> , <b>2013</b> , 67, 77-88	0.6	9
66	Antioxidant and free radical scavenging activity of purpurin. <i>Monatshefte Für Chemie</i> , <b>2012</b> , 143, 427-435	1.4	20
65	A propositional probabilistic logic with discrete linear time for reasoning about evidence. <i>Annals of Mathematics and Artificial Intelligence</i> , <b>2012</b> , 65, 217	0.8	6
64	Free radical scavenging activity of morin 2'-O(-) phenoxide anion. <i>Food Chemistry</i> , <b>2012</b> , 135, 2070-7	8.5	40
63	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> , <b>2012</b> , 41, 7295-303	4.3	18
62	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , <b>2012</b> , 12,	1.2	14
61	A joint application of vibrational spectroscopic and quantum mechanical methods in quantitative analysis of baicalein structure. <i>Monatshefte Für Chemie</i> , <b>2012</b> , 143, 1369-1378	1.4	
60	Structure and reactivity of baicalein radical cation. <i>International Journal of Quantum Chemistry</i> , <b>2012</b> , 112, 2009-2017	2.1	7
59	PM6 and DFT study of free radical scavenging activity of morin. <i>Food Chemistry</i> , <b>2012</b> , 134, 1754-60	8.5	86
58	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> , <b>2011</b> , 40, 4560-71	4.3	18
57	Application of comparative vibrational spectroscopic and mechanistic studies in analysis of fisetin structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 83, 120-9	4.4	16
56	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> , <b>2011</b> , 85, 2283-2287	0.7	1
55	DFT study on singlet diradical character of zethrenes. <i>Russian Journal of Physical Chemistry A</i> , <b>2011</b> , 85, 2368-2372	0.7	10
54	Mechanistic study of the structure-activity relationship for the free radical scavenging activity of baicalein. <i>Journal of Molecular Modeling</i> , <b>2011</b> , 17, 2575-84	2	28
53	Structural and electronic features of baicalein and its radicals. <i>Monatshefte Für Chemie</i> , <b>2011</b> , 142, 145-152.	1.4	11
52	Iron complexes of dietary flavonoids: Combined spectroscopic and mechanistic study of their free radical scavenging activity. <i>Food Chemistry</i> , <b>2011</b> , 129, 1567-1577	8.5	41



51	The isolation, analytical characterization by HPLC-UV and NMR spectroscopy, cytotoxic and antioxidant activities of baeomycesic acid from <i>Thamnia vermicularis</i> var. <i>subuliformis</i> . <i>Hemijaska Industrija</i> , <b>2011</b> , 65, 591-598	0.6	
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46	Influence of a Trout Farm on Water Quality and Macrozoobenthos Communities of the Receiving Stream (Trešnica River, Serbia). <i>International Review of Hydrobiology</i> , <b>2009</b> , 94, 673-687	2.3	21
45	DFT study on the reactivity of OH groups in emodin: structural and electronic features of emodin radicals. <i>Monatshefte für Chemie</i> , <b>2009</b> , 140, 1311-1318	1.4	13
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31	How to Restore Compactness into Probabilistic Logics?. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 338-348.	0.9	2
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