

# Z S MarkoviÄ

## List of Publications by Year in descending order

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207  
papers

3,375  
citations

159358

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233125

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212  
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212  
docs citations

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times ranked

3258  
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#	ARTICLE	IF	CITATIONS
1	Radical Scavenging Activity and Pharmacokinetic Properties of Coumarin-Hydroxybenzohydrazide Hybrids. <i>International Journal of Molecular Sciences</i> , 2022, 23, 490.	1.8	7
2	Synthesis, Crystallographic, Quantum Chemical, Antitumor, and Molecular Docking/Dynamic Studies of 4-Hydroxycoumarin-Neurotransmitter Derivatives. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1001.	1.8	31
3	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.	1.8	18
4	Coumarin-Palladium(II) Complex Acts as a Potent and Non-Toxic Anticancer Agent against Pancreatic Carcinoma Cells. <i>Molecules</i> , 2022, 27, 2115.	1.7	5
5	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> , 2022, 293, 115201.	2.0	10
6	Evaluation of antioxidant and cytotoxic properties of phenolic N-acylhydrazones: structure-activity relationship. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	5
7	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.	1.8	31
8	ANTIRADIKALSKI KAPACITET		0
9	ĐSOMPLEKSI ZLATA KAO POTENCIJALNI SUPLEMENTI SA ANTIKANCEROGENIM I ANTIVIRUSNIM DELOVANJEM. , 2021, , .		0
10	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.	1.4	12
11	Synthesis and Biological Screening of New 4-Hydroxycoumarin Derivatives and Their Palladium(II) Complexes. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	10
12	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.	0.2	19
13	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.	1.8	23
14	Green One-Pot Synthesis of Coumarin-Hydroxybenzohydrazide Hybrids and Their Antioxidant Potency. <i>Antioxidants</i> , 2021, 10, 1106.	2.2	31
15	Theoretical Study of Radical Inactivation, LOX Inhibition, and Iron Chelation: The Role of Ferulic Acid in Skin Protection against UVA Induced Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 1303.	2.2	15
16	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.	1.4	15
17	On the origin of the antioxidant potential of selected wines: combined HPLC, QSAR, and DFT study. <i>Monatshefte für Chemie</i> , 2021, 152, 1173-1181.	0.9	2
18	Effects of different feeds on growth performance parameters, histology of liver, distal intestine, and erythrocytes morphology of common carp ( <i>Cyprinus carpio</i> L.). <i>Biologia (Poland)</i> , 2021, 76, 3769-3779.	0.8	4

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19	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> , 2021, 20, 655-666.	1.0	1
20	Comparative MD Study of Inhibitory Activity of Opaganib and Adamantane- $\epsilon$ -isothiourea Derivatives toward COVID-19 Main Protease M <sup>pro</sup> . <i>ChemistrySelect</i> , 2021, 6, 8603-8610.	0.7	5
21	Advanced oxidation processes of coumarins by hydroperoxyl radical: An experimental and theoretical study, and ecotoxicology assessment. <i>Chemical Engineering Journal</i> , 2021, 424, 130331.	6.6	27
22	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.	1.7	41
23	INHIBITORY EFFECT OF COUMARIN BENZOYLHYDRAZONES ON MCL-1 PROTEIN. , 2021, , .		0
24	ANTIOXIDATIVE POTENCY AND RADICAL SCAVENGING ACTIVITY OF SELECTED COUMARIN-HYBRIDS. , 2021, , .		0
25	THERMODYNAMICALLY INVESTIGATIONS OF FREE RADICAL SCAVENGER POTENCY OF 1,2,4-TRIHYDROXYTHIOXANTHONE. , 2021, , .		0
26	DIRECT SCAVENGING ACTIVITY OF 4,7-DIHYDROXYCOUMARIN DERIVATIVE TOWARDS SERIES OF CHLOROMETHYLPEROXY RADICALS. , 2021, , .		0
27	HPLC ANALYSIS OF PHENOLS OF SLOVENIAN RED WINES: CABERNET SAUVIGNON AND MERLOT. , 2021, , .		0
28	Estimation of antiradical properties of series of 4, 7 - dihydroxycoumarin derivatives towards DPPH radical-experimental and DFT study. , 2021, , .		0
29	Molecular docking study of coumarin-hydroxybenzohydrazide hybrid as an inhibitor of carbonic anhydrases IX and XII. , 2021, , .		0
30	Free radical scavenger capacity of 1,2,5-trihydroxyanthraquinone and 1,2,5-trihydroxythioxanthone: a theoretical comparative study. , 2021, , .		0
31	Toxicity, structural analysis, and molecular docking studies of selected isonicotinohydrazide analogs. , 2021, , .		0
32	Inhibitory potency of Valsartan/Sacubitril drug combination: molecular docking simulations. , 2021, , .		0
33	Mechanism of Antiradical Activity of Newly Synthesized 4,7-Dihydroxycoumarin Derivatives-Experimental and Kinetic DFT Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13273.	1.8	8
34	Different theoretical approaches in the study of antioxidative mechanisms. , 2020, , 211-256.		0
35	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.	1.8	13
36	Antioxidative potential of ferulic acid phenoxyl radical. <i>Phytochemistry</i> , 2020, 170, 112218.	1.4	40

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37	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.	1.1	24
38	Comparison of the scavenging capacities of phloroglucinol and 2,4,6-trihydroxypyridine towards HO $\dot{E}$ <sup>TM</sup> radical: a computational study. <i>RSC Advances</i> , 2020, 10, 43262-43272.	1.7	15
39	Several coumarin derivatives and their Pd( $\langle scp \rangle ii \langle /scp \rangle$ ) complexes as potential inhibitors of the main protease of SARS-CoV-2, an $\langle i \rangle$ in silico $\langle /i \rangle$ approach. <i>RSC Advances</i> , 2020, 10, 35099-35108.	1.7	37
40	Synthesis, characterization and antimicrobial activity of palladium(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-(3,3 $\hat{e}$ <sup>2</sup> -1H-indol-3yl)-propionic acid. <i>Inorganica Chimica Acta</i> , 2020, 510, 119743.	1.2	3
41	Natural acridones and coumarins as free radical scavengers: Mechanistic and kinetic studies. <i>Chemical Physics Letters</i> , 2020, 746, 137312.	1.2	12
42	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.	1.8	49
43	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> , 2020, 504, 119465.	1.2	34
44	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.	6.6	61
45	DO EQUOL $\hat{e}$ <sup>MS</sup> C-RING HYDROGENS CONTRIBUTE TO FREE RADICAL SCAVENGING?. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2020, , 45-58.	0.2	2
46	ANTIOXIDATIVE AND INHIBITION POTENCY OF CYNODONTIN. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2020, , 59-70.	0.2	4
47	THE INTERACTION OF PROTONATED OCTOPAMINE AND NOREPINEPHRINE WITH $\hat{I}$ <sup>1</sup> -ADRENERGIC RECEPTOR: MOLECULAR DOCKING AND DYNAMICAL SIMULATION. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2020, , 13-25.	0.2	0
48	Antioxidative Properties of Usnic Acid and Its Interaction with Tyrosyl-DNA Phosphodiesterase. <i>Learning and Analytics in Intelligent Systems</i> , 2020, , 80-91.	0.5	0
49	Free Radical Scavenger Activity and P-glycoprotein Inhibition Capacity of 1,2,4-Trihydroxyxanthone. <i>Learning and Analytics in Intelligent Systems</i> , 2020, , 92-103.	0.5	0
50	Influence of Nonpolar Medium on Antioxidant Capacity of Bergaptol and Xanthotoxol $\hat{e}$ <sup>"</sup> Kinetic DFT Study. <i>Chemistry Proceedings</i> , 2020, 3, .	0.1	1
51	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.	2.0	20
52	The role of guaiacyl moiety in free radical scavenging by 3,5-dihydroxy-4-methoxybenzyl alcohol: thermodynamics of 3H+/3 $\hat{e}$ <sup>"</sup> mechanisms. <i>Molecular Physics</i> , 2019, 117, 207-217.	0.8	7
53	How changes in water quality under the influence of land-based trout farms shape chemism of the recipient streams $\hat{e}$ <sup>"</sup> case study from Serbia. <i>Aquaculture International</i> , 2019, 27, 1625-1641.	1.1	4
54	Study of Influence of Free Radical Species on Antioxidant Activity of Selected 1,2,4 $\hat{e}$ <sup>T</sup> riazole $\hat{e}$ <sup>3</sup> $\hat{e}$ <sup>t</sup> hiones. <i>ChemistrySelect</i> , 2019, 4, 7476-7485.	0.7	5

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55	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.	0.2	10
56	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.	1.8	4
57	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, 1-12.	1.9	18
58	Antioxidative Capacity of Evernic Acid and Its Interactions with TDP1. , 2019, , .		0
59	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.	1.2	22
60	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.	1.3	5
61	Structural characterization of kaempferol: a spectroscopic and computational study. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2019, 38, 49.	0.2	14
62	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.	0.4	8
63	Characterization of the genetic structure of the brown trout ( <i>Salmo trutta</i> ) from –Braduljica– fish farm, Serbia. <i>Biotechnology in Animal Husbandry</i> , 2019, 35, 289-299.	0.5	1
64	Selected anthraquinones as potential free radical scavengers and P-glycoprotein inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1890-1902.	1.5	25
65	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> , 2018, 54, 4.	0.6	0
66	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.	2.0	28
67	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.	2.0	36
68	Thermodynamic and kinetic analysis of the reaction between biological catecholamines and chlorinated methylperoxy radicals. <i>Molecular Physics</i> , 2018, 116, 1166-1178.	0.8	13
69	Reactivity of the coumarine derivative towards cartilage proteins: combined NBO, QTAIM, and molecular docking study. <i>Monatshefte für Chemie</i> , 2018, 149, 159-166.	0.9	8
70	Theoretical study of the thermodynamics of the mechanisms underlying antiradical activity of cinnamic acid derivatives. <i>Food Chemistry</i> , 2018, 246, 481-489.	4.2	54
71	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.	0.8	27
72	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.	1.1	10

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73	QSAR of the free radical scavenging potency of selected hydroxyanthraquinones. <i>Chemical Papers</i> , 2018, 72, 2785-2793.	1.0	10
74	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.	1.3	23
75	Antiradical activity of catecholamines and metabolites of dopamine: theoretical and experimental study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12970-12980.	1.3	45
76	Theoretical analysis of the experimental UV-Vis absorption spectra of some phenolic Schiff bases. <i>Molecular Physics</i> , 2017, 115, 2460-2468.	0.8	14
77	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.	1.8	18
78	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.	1.2	23
79	Synthesis and theoretical investigation of some new 4-substituted flavylum salts. <i>Food Chemistry</i> , 2017, 229, 688-694.	4.2	7
80	Structural and spectral analysis of 3-metoxytyramine, an important metabolite of dopamine. <i>Journal of Molecular Structure</i> , 2017, 1134, 226-236.	1.8	21
81	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.	1.3	6
82	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.	0.7	11
83	Free radical scavenging potency of quercetin catecholic colonic metabolites: Thermodynamics of 2H <sup>+</sup> /2e <sup>-</sup> processes. <i>Food Chemistry</i> , 2017, 218, 144-151.	4.2	83
84	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.	4.2	52
85	Free Radical Scavenging Potency of Dihydroxybenzoic Acids. <i>Journal of Chemistry</i> , 2017, 2017, 1-9.	0.9	27
86	Comparative density functional study of antioxidative activity of the hydroxybenzoic acids and their anions. <i>Turkish Journal of Chemistry</i> , 2016, 40, 499-509.	0.5	16
87	Integrative approach of histopathology and histomorphometry of common carp ( <i>Cyprinus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 101 2016, 47, 3455-3463.	0.9	18
88	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.	0.8	8
89	Comparative analysis of using cereal grains and compound feed in semi-intensive common carp pond production. <i>Aquaculture International</i> , 2016, 24, 1699-1723.	1.1	17
90	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.	1.1	28

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91	Potent 1,2,4-Triazole-5-thione Radical Scavengers Derived from Phenolic Acids: Synthesis, Electrochemistry, and Theoretical Study. <i>ChemistrySelect</i> , 2016, 1, 3870-3878.	0.7	13
92	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.	1.1	148
93	Influence of structural characteristics of substituents on the antioxidant activity of some anthraquinone derivatives. <i>Computational and Theoretical Chemistry</i> , 2016, 1077, 25-31.	1.1	27
94	The 2H+/2e <sup>-</sup> free radical scavenging mechanisms of uric acid: thermodynamics of NH bond cleavage. <i>Computational and Theoretical Chemistry</i> , 2016, 1077, 2-10.	1.1	22
95	Carboxyl Group as a Radical Scavenging Moiety: Thermodynamics of 2H+/2e <sup>-</sup> Processes of Phloretic Acid. <i>Croatica Chemica Acta</i> , 2016, 89, .	0.1	3
96	Study of the mechanisms of antioxidative action of different antioxidants. <i>Journal of the Serbian Society for Computational Mechanics</i> , 2016, 10, 135-150.	0.2	18
97	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.	0.2	17
98	Extensions of the Probability Logics LPP $\mathcal{L}_2$ and LFOP $\mathcal{L}_1$ . , 2016, , 133-164.		1
99	Study of electron transfer mechanism of gallic acid. , 2015, , .		0
100	DFT investigation of the reaction of cyanidin with hydroxyl radical. , 2015, , .		2
101	Mechanism, kinetics and selectivity of selenocyclization of 5-alkenylhydantoins: an experimental and computational study. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1865-1875.	1.3	5
102	Mechanisms of scavenging reactions of alizarin with hydroperoxyl and methylperoxyl radicals. , 2015, , .		0
103	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.	0.8	19
104	QSAR of the free radical scavenging potency of selected hydroxybenzoic acids and simple phenolics. <i>Comptes Rendus Chimie</i> , 2015, 18, 492-498.	0.2	29
105	Revisiting the Kolbe-Schmitt reaction of sodium 2-naphthoxide. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	0.5	5
106	Experimental and theoretical study of antioxidative properties of some salicylaldehyde and vanillic Schiff bases. <i>RSC Advances</i> , 2015, 5, 24094-24100.	1.7	60
107	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.	0.9	17
108	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.	0.4	2



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109	Carboxylation of sodium 2-naphthoxide. Reinvestigation of the mechanism by means of a hybrid meta density functional theory method. <i>Hemijaska Industrija</i> , 2015, 69, 485-492.	0.3	0
110	<i>Agriotypus armatus</i> Curtis, 1832, a parasitoid of <i>Silo pallipes</i> Fabricius, 1781: the first record for the Balkan Peninsula. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2014, , 05.	0.5	1
111	Numerical and experimental LDL transport through arterial wall. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 455-464.	1.0	18
112	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.	1.1	13
113	Towards an improved prediction of the free radical scavenging potency of flavonoids: The significance of double PCET mechanisms. <i>Food Chemistry</i> , 2014, 152, 578-585.	4.2	54
114	Oxidation of kaempferol and its iron(III) complex by DPPH radicals: spectroscopic and theoretical study. <i>Monatshefte für Chemie</i> , 2014, 145, 557-563.	0.9	17
115	Investigation of the radical scavenging potency of hydroxybenzoic acids and their carboxylate anions. <i>Monatshefte für Chemie</i> , 2014, 145, 953-962.	0.9	18
116	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.	1.7	24
117	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.	1.1	32
118	Global warming effects on benthic macroinvertebrates: a model case study from a small geothermal stream. <i>Hydrobiologia</i> , 2014, 732, 147-159.	1.0	8
119	Influence of different free radicals on scavenging potency of gallic acid. <i>Journal of Molecular Modeling</i> , 2014, 20, 2345.	0.8	38
120	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.	1.0	29
121	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.	0.6	12
122	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.	0.2	3
123	DFT study of free radical scavenging activity of erodiol. <i>Chemical Papers</i> , 2013, 67, .	1.0	9
124	Histopathological indicators: a useful fish health monitoring tool in common carp ( <i>Cyprinus carpio</i> )	0.6	14
125	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, 2593-2603.	0.8	75
126	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.	1.9	20



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127	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.	1.1	9
128	Interpretation of the IR and Raman spectra of morin by density functional theory and comparative analysis. <i>Vibrational Spectroscopy</i> , 2013, 64, 1-9.	1.2	32
129	Oxygen regulation of alternative respiration in fungus <i>Phycomyces blakesleeenans</i> : connection with phosphate metabolism. <i>Research in Microbiology</i> , 2013, 164, 770-778.	1.0	12
130	Examination of the chemical behavior of the quercetin radical cation towards some bases. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7370.	1.3	56
131	A DFT and PM6 study of free radical scavenging activity of ellagic acid. <i>Monatshefte für Chemie</i> , 2013, 144, 803-812.	0.9	25
132	Bond dissociation free energy as a general parameter for flavonoid radical scavenging activity. <i>Food Chemistry</i> , 2013, 141, 1562-1570.	4.2	78
133	Myocardial protection during elective coronary artery bypasses grafting by pretreatment with omega-3 polyunsaturated fatty acids. <i>Vojnosanitetski Pregled</i> , 2013, 70, 484-492.	0.1	14
134	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.	0.2	5
135	HPLC, UV-Vis and NMR spectroscopic and DFT characterization of purpurin isolated from <i>Rubia tinctorum</i> L. <i>Hemijška Industrija</i> , 2013, 67, 77-88.	0.3	11
136	A propositional probabilistic logic with discrete linear time for reasoning about evidence. <i>Annals of Mathematics and Artificial Intelligence</i> , 2012, 65, 217.	0.9	8
137	Free radical scavenging activity of morin 2-phenoxide anion. <i>Food Chemistry</i> , 2012, 135, 2070-2077.	4.2	45
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