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List of Publications by Year
in descending order

207	3,375	159358	233125
papers	citations	30 h-index	45 g-index

212	212	212	3258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revisiting the solvation enthalpies and free energies of the proton and electron in various solvents. Computational and Theoretical Chemistry, 2016, 1077, 11-17.	1.1	148
2	PM6 and DFT study of free radical scavenging activity of morin. Food Chemistry, 2012, 134, 1754-1760.	4.2	97
3	Free radical scavenging potency of quercetin catecholic colonic metabolites: Thermodynamics of 2H+/2eâ^' processes. Food Chemistry, 2017, 218, 144-151.	4.2	83
4	Bond dissociation free energy as a general parameter for flavonoid radical scavenging activity. Food Chemistry, 2013, 141, 1562-1570.	4.2	78
5	PM6 study of free radical scavenging mechanisms of flavonoids: why does Oâ€“H bond dissociation enthalpy effectively represent free radical scavenging activity?. Journal of Molecular Modeling, 2013, 19, 2593-2603.	0.8	75
6	Electrochemical and Density Functional Theory Study on the Reactivity of Fisetin and Its Radicals: Implications on in Vitro Antioxidant Activity. Journal of Physical Chemistry A, 2009, 113, 14170-14179.	1.1	73
7	Advanced oxidation process of coumarins by hydroxyl radical: Towards the new mechanism leading to less toxic products. Chemical Engineering Journal, 2020, 395, 124971.	6.6	61
8	Experimental and theoretical study of antioxidative properties of some salicylaldehyde and vanillic Schiff bases. RSC Advances, 2015, 5, 24094-24100.	1.7	60
9	Examination of the chemical behavior of the quercetin radical cation towards some bases. Physical Chemistry Chemical Physics, 2013, 15, 7370.	1.3	56
10	Towards an improved prediction of the free radical scavenging potency of flavonoids: The significance of double PCET mechanisms. Food Chemistry, 2014, 152, 578-585.	4.2	54
11	Theoretical study of the thermodynamics of the mechanisms underlying antiradical activity of cinnamic acid derivatives. Food Chemistry, 2018, 246, 481-489.	4.2	54
12	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. Food Chemistry, 2017, 218, 440-446.	4.2	52
13	Iron complexes of dietary flavonoids: Combined spectroscopic and mechanistic study of their free radical scavenging activity. Food Chemistry, 2011, 129, 1567-1577.	4.2	50
14	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. Journal of Molecular Structure, 2020, 1209, 127935.	1.8	49
15	Computational Investigation of HIO and HIO2 Isomers. Journal of Physical Chemistry A, 2004, 108, 651-657.	1.1	47
16	Free radical scavenging activity of morin 2â€²-Oâ^' phenoxide anion. Food Chemistry, 2012, 135, 2070-2077.	4.2	45
17	Antiradical activity of catecholamines and metabolites of dopamine: theoretical and experimental study. Physical Chemistry Chemical Physics, 2017, 19, 12970-12980.	1.3	45
18	Mechanism of the Kolbeâ^'Schmitt Reaction. Structure of the Intermediate Potassium Phenoxideâ^'CO2 Complex. Journal of Chemical Information and Modeling, 2007, 47, 1520-1525.	2.5	42

#	Article	IF	Citations
19	Inhibitory activity of quercetin, its metabolite, and standard antiviral drugs towards enzymes essential for SARS-CoV-2: the role of acidâ€“base equilibria. RSC Advances, 2021, 11, 2838-2847.	1.7	41
20	Mechanistic pathways for the reaction of quercetin with hydroperoxy radical. Theoretical Chemistry Accounts, 2010, 127, 69-80.	0.5	40
21	Mechanistic study of the structureâ€“activity relationship for the free radical scavenging activity of baicalein. Journal of Molecular Modeling, 2011, 17, 2575-2584.	0.8	40
22	Antioxidative potential of ferulic acid phenoxyl radical. Phytochemistry, 2020, 170, 112218.	1.4	40
23	Influence of different free radicals on scavenging potency of gallic acid. Journal of Molecular Modeling, 2014, 20, 2345.	0.8	38
24	Several coumarin derivatives and their Pd(<scp>ii</scp>) complexes as potential inhibitors of the main protease of SARS-CoV-2, anin silicoapproach. RSC Advances, 2020, 10, 35099-35108.	1.7	37
25	Synthesis, spectroscopic characterization (FT-IR, FT-Raman, and NMR), quantum chemical studies and molecular docking of 3-(1-(phenylamino)ethylidene)-chroman-2,4-dione. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 31-40.	2.0	36
26	Synthesis, spectroscopic characterization, biological activity, DFT and molecular docking study of novel 4-hydroxycoumarine derivatives and corresponding palladium(II) complexes. Inorganica Chimica Acta, 2020, 504, 119465.	1.2	34
27	Modification of TOPSIS method for solving of multicriteria tasks. Yugoslav Journal of Operations Research, 2010, 20, 117-143.	0.5	34
28	Interpretation of the IR and Raman spectra of morin by density functional theory and comparative analysis. Vibrational Spectroscopy, 2013, 64, 1-9.	1.2	32
29	Thermodynamical aspect of radical scavenging activity of alizarin and alizarin red S. Theoretical comparative study. Computational and Theoretical Chemistry, 2014, 1047, 15-21.	1.1	32
30	Efficient synthesis of fullerenes in RF thermal plasma reactor. Chemical Physics Letters, 2003, 378, 434-439.	1.2	31
31	Kinetic determination of morphine by means of Brayâ€“Liebhafsky oscillatory reaction system using analyte pulse perturbation technique. Analytica Chimica Acta, 2007, 582, 367-374.	2.6	31
32	Synthesis and comprehensive spectroscopic (X-ray, NMR, FTIR, UVâ€“Vis),Âquantum chemical and molecular docking investigation of 3-acetyl-4â€'hydroxyâ€'2-oxo-2H-chromen-7-yl acetate. Journal of Molecular Structure, 2021, 1225, 129256.	1.8	31
33	Green One-Pot Synthesis of Coumarin-Hydroxybenzohydrazide Hybrids and Their Antioxidant Potency. Antioxidants, 2021, 10, 1106.	2.2	31
34	Synthesis, Crystallographic, Quantum Chemical, Antitumor, and Molecular Docking/Dynamic Studies of 4-Hydroxycoumarin-Neurotransmitter Derivatives. International Journal of Molecular Sciences, 2022, 23, 1001.	1.8	31
35	A probabilistic extension of intuitionistic logic. Mathematical Logic Quarterly, 2003, 49, 415-424.	0.2	29
36	Influence of Alkali Metal Cations upon the Kolbeâ˜'Schmitt Reaction Mechanism. Journal of Chemical Information and Modeling, 2006, 46, 1957-1964.	2.5	29

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37	Energy requirements of the reactions of kaempferol and selected radical species in different media: towards the prediction of the possible radical scavenging mechanisms. Structural Chemistry, 2014, 25, 1795-1804.	1.0	29
38	QSAR of the free radical scavenging potency of selected hydroxybenzoic acids and simple phenolics. Comptes Rendus Chimie, 2015, 18, 492-498.	0.2	29
39	Free radical scavenging and COX-2 inhibition by simple colon metabolites of polyphenols: A theoretical approach. Computational Biology and Chemistry, 2016, 65, 45-53.	1.1	28
40	Experimental and theoretical elucidation of structural and antioxidant properties of vanillylmandelic acid and its carboxylate anion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 198, 61-70.	2.0	28
41	Influence of structural characteristics of substituents on the antioxidant activity of some anthraquinone derivatives. Computational and Theoretical Chemistry, 2016, 1077, 25-31.	1.1	27
42	Free Radical Scavenging Potency of Dihydroxybenzoic Acids. Journal of Chemistry, 2017, 2017, 1-9.	0.9	27
43	Hydrogen atom transfer versus proton coupled electron transfer mechanism of gallic acid with different peroxy radicals. Reaction Kinetics, Mechanisms and Catalysis, 2018, 123, 215-230.	0.8	27
44	Advanced oxidation processes of coumarins by hydroperoxyl radical: An experimental and theoretical study, and ecotoxicology assessment. Chemical Engineering Journal, 2021, 424, 130331.	6.6	27
45	Completeness theorem for a logic with imprecise and conditional probabilities. Publications De L'Institut Mathematique, 2005, 78, 35-49.	0.3	27
46	Influence of a Trout Farm on Water Quality and Macrozoobenthos Communities of the Receiving Stream (TreÅ¡njica River, Serbia). International Review of Hydrobiology, 2009, 94, 673-687.	0.5	26
47	A DFT and PM6 study of free radical scavenging activity of ellagic acid. Monatshefte FÃ¼r Chemie, 2013, 144, 803-812.	0.9	25
48	Selected anthraquinones as potential free radical scavengers and P-glycoprotein inhibitors. Organic and Biomolecular Chemistry, 2018, 16, 1890-1902.	1.5	25
49	Antioxidant and free radical scavenging activity of purpurin. Monatshefte FÃ¼r Chemie, 2012, 143, 427-435.	0.9	24
50	The preferred radical scavenging mechanisms of fisetin and baicalein towards oxygen-centred radicals in polar protic and polar aprotic solvents. RSC Advances, 2014, 4, 32228-32236.	1.7	24
51	Comparative antiradical activity and molecular Docking/Dynamics analysis of octopamine and norepinephrine: the role of OH groups. Computational Biology and Chemistry, 2020, 84, 107170.	1.1	24
52	Comparative spectroscopic and mechanistic study of chelation properties of fisetin with iron in aqueous buffered solutions. Implications on in vitro antioxidant activity. Dalton Transactions, 2011, 40, 4560.	1.6	23
53	Importance of hydrogen bonding and aromaticity indices in QSAR modeling of the antioxidative capacity of selected (poly)phenolic antioxidants. Journal of Molecular Graphics and Modelling, 2017, 72, 240-245.	1.3	23
54	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. Inorganica Chimica Acta, 2017, 466, 188-196.	1.2	23

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55	Structural and theoretical analysis, molecular docking/dynamics investigation of 3-(1-m-chloridoethylidene)-chromane-2,4â€˙dione: The role of chlorine atom. Journal of Molecular Structure, 2021, 1231, 129962.	1.8	23
56	The 2H+/2eâ^' free radical scavenging mechanisms of uric acid: thermodynamics of NH bond cleavage. Computational and Theoretical Chemistry, 2016, 1077, 2-10.	1.1	22
57	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. Inorganica Chimica Acta, 2019, 484, 52-59.	1.2	22
58	Application of comparative vibrational spectroscopic and mechanistic studies in analysis of fisetin structure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 120-129.	2.0	21
59	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. Dalton Transactions, 2012, 41, 7295.	1.6	21
60	Structural and spectral analysis of 3-metoxytyramine, an important metabolite of dopamine. Journal of Molecular Structure, 2017, 1134, 226-236.	1.8	21
61	Influence of diet on proximate composition and fatty acid profile in common carp (Cyprinus carpio). Journal of Food Composition and Analysis, 2013, 31, 75-81.	1.9	20
62	Spectroscopic and theoretical investigation of the potential anti-tumor and anti-microbial agent, 3-(1-((2-hydroxyphenyl)amino)ethylidene)chroman-2,4-dione. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 421-429.	2.0	20
63	Investigation of the antioxidant and radical scavenging activities of some phenolic Schiff bases with different free radicals. Journal of Molecular Modeling, 2015, 21, 293.	0.8	19
64	Synthesis, structural characterization, biological activity and molecular docking study of 4,7-dihydroxycoumarin modified by aminophenol derivatives. Comptes Rendus Chimie, 2021, 24, 215-232.	0.2	19
65	DFT study on the reactivity of OH groups in emodin: structural and electronic features of emodin radicals. Monatshefte FÃ¼r Chemie, 2009, 140, 1311-1318.	0.9	18
66	Numerical and experimental LDL transport through arterial wall. Microfluidics and Nanofluidics, 2014, 16, 455-464.	1.0	18
67	Investigation of the radical scavenging potency of hydroxybenzoic acids and their carboxylate anions. Monatshefte FÃ¼r Chemie, 2014, 145, 953-962.	0.9	18
68	Integrative approach of histopathology and histomorphometry of common carp (<i>Cyprinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 2016, 47, 3455-3463.	0.9	18
69	Structural, spectral and NBO analysis of 3-(1-(3-hydroxypropylamino)ethylidene)chroman-2,4-dione. Journal of Molecular Structure, 2017, 1147, 69-75.	1.8	18
70	Synthesis and Characterization of 3-(1-((3,4-Dihydroxyphenethyl)amino)ethylidene)-chroman-2,4-dione as a Potential Antitumor Agent. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	1.9	18
71	Study of the mechanisms of antioxidative action of different antioxidants. Journal of the Serbian Society for Computational Mechanics, 2016, 10, 135-150.	0.2	18
72	Synthesis, characterization and investigating the binding mechanism of novel coumarin derivatives with human serum albumin: Spectroscopic and computational approach. Journal of Molecular Structure, 2022, 1254, 132366.	1.8	18

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73	Oxidation of kaempferol and its iron(III) complex by DPPH radicals: spectroscopic and theoretical study. Monatshefte FÃ¼r Chemie, 2014, 145, 557-563.	0.9	17
74	Effect of supplemental feed type on water quality, plankton and benthos availability and carp (Cyprinus carpioL.) growth in semi-intensive monoculture ponds. Aquaculture Research, 2015, 46, 777-788.	0.9	17
75	Comparative analysis of using cereal grains and compound feed in semi-intensive common carp pond production. Aquaculture International, 2016, 24, 1699-1723.	1.1	17
76	Solvation enthalpies and Gibbs energies of the proton and electron: Influence of solvation models. Journal of the Serbian Society for Computational Mechanics, 2016, 10, 66-76.	0.2	17
77	Spectral Moments of Phenylenes. Journal of Chemical Information and Computer Sciences, 2001, 41, 112-119.	2.8	16
78	Comparative density functional study of antioxidative activity of the hydroxybenzoic acids and their anions. Turkish Journal of Chemistry, 2016, 40, 499-509.	0.5	16
79	Analytical characterization of lichexanthone in lichen: HPLC, UV spectroscopic, and DFT analysis of lichexanthone extracted from Laurera benguelensis (Mull. Arg.) Zahlbr.. Monatshefte FÃ¼r Chemie, 2010, 141, 945-952.	0.9	15
80	Structural and electronic features of baicalein and its radicals. Monatshefte FÃ¼r Chemie, 2011, 142, 145-152.	0.9	15
81	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2012, 12, .	0.4	15
82	Comparison of the scavenging capacities of phloroglucinol and 2,4,6-trihydroxypyridine towards HOË™ radical: a computational study. RSC Advances, 2020, 10, 43262-43272.	1.7	15
83	Theoretical Study of Radical Inactivation, LOX Inhibition, and Iron Chelation: The Role of Ferulic Acid in Skin Protection against UVA Induced Oxidative Stress. Antioxidants, 2021, 10, 1303.	2.2	15
84	Enhanced visible light-triggered antibacterial activity of carbon quantum dots/polyurethane nanocomposites by gamma rays induced pre-treatment. Radiation Physics and Chemistry, 2021, 185, 109499.	1.4	15
85	Influence of the temperature regime on the composition of the macrozoobenthos community in a thermal brook in Serbia. Biologia (Poland), 2006, 61, 179-191.	0.8	14
86	Histopathological indicators: a useful fish health monitoring tool in common carp (Cyprinus carpio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	14
87	Myocardial protection during elective coronary artery bypasses grafting by pretreatment with omega-3 polyunsaturated fatty acids. Vojnosanitetski Pregled, 2013, 70, 484-492.	0.1	14
88	Theoretical analysis of the experimental UV-Vis absorption spectra of some phenolic Schiff bases. Molecular Physics, 2017, 115, 2460-2468.	0.8	14
89	A Probabilistic Logic with Polynomial Weight Formulas. , 2008, , 239-252.		14
90	Structural characterization of kaempferol: a spectroscopic and computational study. Macedonian Journal of Chemistry and Chemical Engineering, 2019, 38, 49.	0.2	14

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91	Last Step of the Para Route of the Kolbeâ€'Schmitt Reaction. Journal of Chemical Information and Modeling, 2008, 48, 143-147.	2.5	13
92	Study on fisetinâ€“aluminium(III) interaction in aqueous buffered solutions by spectroscopy and molecular modeling. Journal of Inorganic Biochemistry, 2009, 103, 723-730.	1.5	13
93	Morphological and physiological evaluation of common carp (Cyprinus carpio L., 1758) fed extruded compound feeds containing different fat levels. Aquaculture International, 2014, 22, 289-298.	1.1	13
94	Potent 1,2,4â€Triazoleâ€3â€thione Radical Scavengers Derived from Phenolic Acids: Synthesis, Electrochemistry, and Theoretical Study. ChemistrySelect, 2016, 1, 3870-3878.	0.7	13
95	Thermodynamic and kinetic analysis of the reaction between biological catecholamines and chlorinated methylperoxy radicals. Molecular Physics, 2018, 116, 1166-1178.	0.8	13
96	Vibrational spectroscopic studies (FTIR and FT-Raman) and molecular dynamics analysis of industry inspired 3-amino-4-hydroxybenzene sulfonic acid. Journal of Molecular Structure, 2020, 1205, 127579.	1.8	13
97	Oxygen regulation of alternative respiration in fungus Phycomyces blakesleeanus: connection with phosphate metabolism. Research in Microbiology, 2013, 164, 770-778.	1.0	12
98	The response of phytoplankton, zooplankton and macrozoobenthos communities to change in the water supply from surface to groundwater in aquaculture ponds. Annales De Limnologie, 2014, 50, 131-141.	0.6	12
99	Natural acridones and coumarins as free radical scavengers: Mechanistic and kinetic studies. Chemical Physics Letters, 2020, 746, 137312.	1.2	12
100	Impact of the phenolic Oâ€“H vs. C-ring Câ€“H bond cleavage on the antioxidant potency of dihydrokaempferol. New Journal of Chemistry, 2021, 45, 7977-7986.	1.4	12
101	Oneâ€Pot Synthesis of Tetrahydropyridine Derivatives: Liquid Salt Catalyst vs Glycolic Acid Promoter. Structure and Antiradical Activity of the New Products. ChemistrySelect, 2017, 2, 11187-11194.	0.7	11
102	HPLC, UV-Vis and NMR spectroscopic and DFT characterization of purpurin isolated from Rubia tinctorum L.. Hemijska Industrija, 2013, 67, 77-88.	0.3	11
103	DFT study on singlet diradical character of zethrenes. Russian Journal of Physical Chemistry A, 2011, 85, 2368-2372.	0.1	10
104	Insight into interaction properties between mercury and lead cations with chitosan and chitin: Density functional theory studies. Computational and Theoretical Chemistry, 2018, 1138, 99-106.	1.1	10
105	QSAR of the free radical scavenging potency of selected hydroxyanthraquinones. Chemical Papers, 2018, 72, 2785-2793.	1.0	10
106	Novel 1,3,4-thiadiazole conjugates derived from protocatechuic acid: Synthesis, antioxidant activity, and computational and electrochemical studies. Comptes Rendus Chimie, 2019, 22, 585-598.	0.2	10
107	Synthesis and Biological Screening of New 4-Hydroxycoumarin Derivatives and Their Palladium(II) Complexes. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-18.	1.9	10
108	In vitro, in vivo and in silico evaluation of the anti-inflammatory potential of Hyssopus officinalis L. subsp. aristatus (Godr.) Nyman (Lamiaceae). Journal of Ethnopharmacology, 2022, 293, 115201.	2.0	10

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109	DFT study of free radical scavenging activity of erodiol. Chemical Papers, 2013, 67, .	1.0	9
110	The effects of geothermal water inflow on longitudinal changes in benthic macroinvertebrate community composition of a temperate stream. Journal of Thermal Biology, 2013, 38, 255-263.	1.1	9
111	Modelling the formation of biogenic iodine in marine aerosols. Environmental Chemistry Letters, 2004, 2, 65-69.	8.3	8
112	A propositional probabilistic logic with discrete linear time for reasoning about evidence. Annals of Mathematics and Artificial Intelligence, 2012, 65, 217.	0.9	8
113	Global warming effects on benthic macroinvertebrates: a model case study from a small geothermal stream. Hydrobiologia, 2014, 732, 147-159.	1.0	8
114	Effect of supplemental feeds on liver and intestine of common carp (Cyprinus carpio) in semi-intensive rearing system: histological implications. Biologia (Poland), 2016, 71, 212-219.	0.8	8
115	Reactivity of the coumarine derivative towards cartilage proteins: combined NBO, QTAIM, and molecular docking study. Monatshefte FÃ¼r Chemie, 2018, 149, 159-166.	0.9	8
116	Influence of abiotic and biotic environmental factors on weight gain of cultured carp on a carp farm. Archives of Biological Sciences, 2009, 61, 113-121.	0.2	8
117	The reactivity of dopamine precursors and metabolites towards ABTSâ€¢-: An experimental and theoretical study. Journal of the Serbian Chemical Society, 2019, 84, 877-889.	0.4	8
118	Mechanism of Antiradical Activity of Newly Synthesized 4,7-Dihydroxycoumarin Derivatives-Experimental and Kinetic DFT Study. International Journal of Molecular Sciences, 2021, 22, 13273.	1.8	8
119	Mechanism of the Kolbe-Schmitt reaction with lithium and sodium phenoxides. Russian Journal of Physical Chemistry A, 2007, 81, 1392-1397.	0.1	7
120	Structure and reactivity of baicalein radical cation. International Journal of Quantum Chemistry, 2012, 112, 2009-2017.	1.0	7
121	Synthesis and theoretical investigation of some new 4-substituted flavylium salts. Food Chemistry, 2017, 229, 688-694.	4.2	7
122	The role of guaiacyl moiety in free radical scavenging by 3,5-dihydroxy-4-methoxybenzyl alcohol: thermodynamics of 3H+/3eâ^' mechanisms. Molecular Physics, 2019, 117, 207-217.	0.8	7
123	Radical Scavenging Activity and Pharmacokinetic Properties of Coumarinâ€“Hydroxybenzohydrazide Hybrids. International Journal of Molecular Sciences, 2022, 23, 490.	1.8	7
124	Kolbe-Schmitt reaction of sodium 2-naphthoxide. Monatshefte FÃ¼r Chemie, 2008, 139, 329-335.	0.9	6
125	High-performance liquid chromatographic analysis of anthraquinone compounds in the Laurera benguelensis. Russian Journal of Physical Chemistry A, 2009, 83, 1554-1557.	0.1	6
126	Comparative study of the effects of a small-scale trout farm on the macrozoobenthos, potamoplankton, and epilithic diatom communities. Environmental Monitoring and Assessment, 2017, 189, 403.	1.3	6

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127	Monitoring water quality using zooplankton organisms as bioindicators at the Dubica fish farm, Serbia. Archives of Biological Sciences, 2006, 58, 245-248.	0.2	6
128	Influence of a trout farm on macrozoobenthos communities of the Tresnjica river, Serbia. Archives of Biological Sciences, 2009, 61, 483-492.	0.2	6
129	A simple method for the approximate calculation of Hosoya's index. Chemical Physics Letters, 1987, 134, 139-142.	1.2	5
130	Assessment of the water quality of aquatic resources using biological methods. Desalination and Water Treatment, 2009, 11, 264-274.	1.0	5
131	Qualitative Possibilities and Necessities. Lecture Notes in Computer Science, 2009, , 651-662.	1.0	5
132	Mechanism, kinetics and selectivity of selenocyclization of 5-alkenylhydantoins: an experimental and computational study. Beilstein Journal of Organic Chemistry, 2015, 11, 1865-1875.	1.3	5
133	Revisiting the Kolbeâ€“Schmitt reaction of sodium 2-naphthoxide. Theoretical Chemistry Accounts, 2015, 134, 1.	0.5	5
134	Study of Influence of Free Radical Species on Antioxidant Activity of Selected 1,2,4â€Triazoleâ€3â€thiones. ChemistrySelect, 2019, 4, 7476-7485.	0.7	5
135	Effects of conjugation metabolism on radical scavenging and transport properties of quercetin â€“ In silico study. Journal of Molecular Graphics and Modelling, 2019, 86, 278-285.	1.3	5
136	Comparative MD Study of Inhibitory Activity of Opaganib and Adamantaneâ€Isothiourea Derivatives toward COVIDâ€19 Main Protease M^{pro}. ChemistrySelect, 2021, 6, 8603-8610.	0.7	5
137	How to Restore Compactness into Probabilistic Logics?. Lecture Notes in Computer Science, 2008, , 338-348.	1.0	5
138	The influence of supplement feed preparation on the fatty acid composition of carp and Chironomidae larvae in a semi-intensive production system. Archives of Biological Sciences, 2013, 65, 1387-1396.	0.2	5
139	Geometry and conformation of benzenecarboxylic acids. Journal of the Serbian Chemical Society, 2004, 69, 877-882.	0.4	5
140	Coumarin-Palladium(II) Complex Acts as a Potent and Non-Toxic Anticancer Agent against Pancreatic Carcinoma Cells. Molecules, 2022, 27, 2115.	1.7	5
141	Evaluation of antioxidant and cytotoxic properties of phenolic N -acylhydrazones: structureâ€“activity relationship. Royal Society Open Science, 2022, 9, .	1.1	5
142	How changes in water quality under the influence of land-based trout farms shape chemism of the recipient streamsâ€”case study from Serbia. Aquaculture International, 2019, 27, 1625-1641.	1.1	4
143	Experimental and theoretical investigations of an organic nonlinear optical material p-toluidinium picrate â€“ A comparative study. Journal of Molecular Structure, 2019, 1195, 73-84.	1.8	4
144	Effects of different feeds on growth performance parameters, histology of liver, distal intestine, and erythrocytes morphology of common carp (Cyprinus carpio L.). Biologia (Poland), 2021, 76, 3769-3779.	0.8	4

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145	ANTIOXIDATIVE AND INHIBITION POTENCY OF CYNODONTIN. Journal of the Serbian Society for Computational Mechanics, 2020, , 59-70.	0.2	4
146	Approximate Formulas for Hosoyaâ€™s Topological Index. Bulletin of the Chemical Society of Japan, 1987, 60, 2611-2614.	2.0	3
147	Extremely branched alkanes. Computational and Theoretical Chemistry, 2003, 629, 303-306.	1.5	3
148	Kinetics of extraction of coal-tar pitch components with supercritical carbon dioxide. Chemical Papers, 2007, 61, .	1.0	3
149	Delphinidinâ€“Aluminum(III) Complexes in Aqueous and Non-Aqueous Media: Spectroscopic Characterization and Theoretical Study. Monatshefte FÃ¼r Chemie, 2007, 138, 1225-1232.	0.9	3
150	Formation of sodium 6-hydroxy-2-naphthoate in the Kolbe-Schmitt reaction. Monatshefte FÃ¼r Chemie, 2008, 139, 1169-1174.	0.9	3
151	Synthesis, characterization and antimicrobial activity of palladium(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-(3,3â€²-1H-indol-3yl)-propionic acid. Inorganica Chimica Acta, 2020, 510, 119743.	1.2	3
152	Fatty acid profile in muscles of carp (Cyprinus carpio L.) raised in a semi-intensive production system fed with grains, pelleted and extruded feed. Archives of Biological Sciences, 2014, 66, 877-887.	0.2	3
153	Molecular orbital study of the oxidation of steroidal phenols into quinols and epoxyquinols. Journal of the Serbian Chemical Society, 2000, 65, 491-496.	0.4	3
154	Carboxyl Group as a Radical Scavenging Moiety: Thermodynamics of 2H+/2eâ€“ Processes of Phloretic Acid. Croatica Chemica Acta, 2016, 89, .	0.1	3
155	Fauna of Ephemeroptera in the running waters of west Serbia. Archives of Biological Sciences, 2002, 54, 117-124.	0.2	3
156	Spectral Moments of Polycyclic Aromatic Hydrocarbons. Solution of a Kinetic Problem. Journal of Chemical Information and Computer Sciences, 2002, 42, 82-86.	2.8	2
157	DFT investigation of the reaction of cyanidin with hydroxyl radical. , 2015, , .		2
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