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List of Publications by Year in descending order

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41
papers

1,161
citations

279798

23
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidative mechanisms in chlorogenic acid. Food Chemistry, 2017, 237, 390-398.	8.2	93
2	Free radical scavenging potency of quercetin catecholic colonic metabolites: Thermodynamics of $2H^+/2e^-$ processes. Food Chemistry, 2017, 218, 144-151.	8.2	83
3	The copigmentation effect of sinapic acid on malvin: a spectroscopic investigation on colour enhancement. Journal of Photochemistry and Photobiology B: Biology, 2005, 78, 223-228.	3.8	62
4	Advanced oxidation process of coumarins by hydroxyl radical: Towards the new mechanism leading to less toxic products. Chemical Engineering Journal, 2020, 395, 124971.	12.7	61
5	Towards an improved prediction of the free radical scavenging potency of flavonoids: The significance of double PCET mechanisms. Food Chemistry, 2014, 152, 578-585.	8.2	54
6	Theoretical study of the thermodynamics of the mechanisms underlying antiradical activity of cinnamic acid derivatives. Food Chemistry, 2018, 246, 481-489.	8.2	54
7	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.	8.2	52
8	Antiradical activity of catecholamines and metabolites of dopamine: theoretical and experimental study. Physical Chemistry Chemical Physics, 2017, 19, 12970-12980.	2.8	45
9	Mechanistic pathways for the reaction of quercetin with hydroperoxy radical. Theoretical Chemistry Accounts, 2010, 127, 69-80.	1.4	40
10	Antioxidative potential of ferulic acid phenoxyl radical. Phytochemistry, 2020, 170, 112218.	2.9	40
11	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.	3.9	36
12	Electronic and infrared vibrational analysis of cyanidin-quercetin copigment complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 673-680.	3.9	32
13	Green One-Pot Synthesis of Coumarin-Hydroxybenzohydrazide Hybrids and Their Antioxidant Potency. Antioxidants, 2021, 10, 1106.	5.1	31
14	Synthesis, Crystallographic, Quantum Chemical, Antitumor, and Molecular Docking/Dynamic Studies of 4-Hydroxycoumarin-Neurotransmitter Derivatives. International Journal of Molecular Sciences, 2022, 23, 1001.	4.1	31
15	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.	2.0	29
16	QSAR of the free radical scavenging potency of selected hydroxybenzoic acids and simple phenolics. Comptes Rendus Chimie, 2015, 18, 492-498.	0.5	29
17	Free radical scavenging and COX-2 inhibition by simple colon metabolites of polyphenols: A theoretical approach. Computational Biology and Chemistry, 2016, 65, 45-53.	2.3	28
18	An insight into anti-biofilm and anti-quorum sensing activities of the selected anthocyanidins: the case study of <i>Pseudomonas aeruginosa</i> PAO1. Natural Product Research, 2017, 31, 1177-1180.	1.8	28

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19	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.	3.9	28
20	Free Radical Scavenging Potency of Dihydroxybenzoic Acids. <i>Journal of Chemistry</i> , 2017, 2017, 1-9.	1.9	27
21	A DFT and PM6 study of free radical scavenging activity of ellagic acid. <i>Monatshefte FÃ¼r Chemie</i> , 2013, 144, 803-812.	1.8	25
22	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.	3.6	24
23	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.	2.3	24
24	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.	3.3	23
25	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, 120-129.	3.9	21
26	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.	3.3	21
27	Investigation of the radical scavenging potency of hydroxybenzoic acids and their carboxylate anions. <i>Monatshefte FÃ¼r Chemie</i> , 2014, 145, 953-962.	1.8	18
28	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.	4.0	18
29	Oxidation of kaempferol and its iron(III) complex by DPPH radicals: spectroscopic and theoretical study. <i>Monatshefte FÃ¼r Chemie</i> , 2014, 145, 557-563.	1.8	17
30	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.	5.1	15
31	Synergic application of spectroscopic and theoretical methods to the chlorogenic acid structure elucidation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 164, 67-75.	3.9	13
32	Thermodynamic and kinetic analysis of the reaction between biological catecholamines and chlorinated methylperoxy radicals. <i>Molecular Physics</i> , 2018, 116, 1166-1178.	1.7	13
33	Impact of the phenolic Oâ€”H <i>vs.</i> C-ring Câ€”H bond cleavage on the antioxidant potency of dihydrokaempferol. <i>New Journal of Chemistry</i> , 2021, 45, 7977-7986.	2.8	12
34	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.	4.0	10
35	Structure and reactivity of baicalein radical cation. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 2009-2017.	2.0	7
36	The role of guaiacyl moiety in free radical scavenging by 3,5-dihydroxy-4-methoxybenzyl alcohol: thermodynamics of 3H+/3eâ€” mechanisms. <i>Molecular Physics</i> , 2019, 117, 207-217.	1.7	7

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37	Spectroscopic and Theoretical Study of Cyanidin-Aluminum (III) Complexes. Spectroscopy Letters, 2008, 41, 104-115.	1.0	5
38	Delphinidin-Aluminum(III) Complexes in Aqueous and Non-Aqueous Media: Spectroscopic Characterization and Theoretical Study. Monatshefte für Chemie, 2007, 138, 1225-1232.	1.8	3
39	DO EQUOL'S C-RING HYDROGENS CONTRIBUTE TO FREE RADICAL SCAVENGING?. Journal of the Serbian Society for Computational Mechanics, 2020, , 45-58.	0.4	2
40	Free radical scavenging potency of 3-hydroxyphenylacetic acid: A DFT study. , 2015, , .		0
41	Toxicity, structural analysis, and molecular docking studies of selected isonicotinohydrazide analogs. , 2021, , .		0