Quan V Vo

List of Publications by Year
in descending order

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55	870	586496 16	591227 27
papers	citations	h-index	g-index

56	56	56	597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of the free radical scavenging potential of cannabidiol under physiological conditions: Theoretical and experimental investigations. Journal of Molecular Liquids, 2022, 346, 118277.	2.3	17
2	Mechanistic and Kinetic Studies of the Radical Scavenging Activity of 5-O-Methylnorbergenin: Theoretical and Experimental Insights. Journal of Physical Chemistry B, 2022, 126, 702-707.	1.2	5
3	Theoretical insights into the antiradical activity and copper-catalysed oxidative damage of mexidol in the physiological environment. Royal Society Open Science, 2022, 9, 211239.	1.1	6
4	Insights on the kinetics and mechanisms of the peroxyl radical scavenging capacity of caftaric acid: the important role of the acidâ€“base equilibrium. New Journal of Chemistry, 2022, 46, 7403-7409.	1.4	6
5	Oxoberberine: a promising natural antioxidant in physiological environments. RSC Advances, 2022, 12, 9738-9743.	1.7	2
6	The hydroperoxyl antiradical activity of natural hydroxycinnamic acid derivatives in physiological environments: the effects of pH values on rate constants. RSC Advances, 2022, 12, 15115-15122.	1.7	4
7	7-O-Galloyltricetifavan: a promising natural radical scavenger. Royal Society Open Science, 2022, 9, .	1.1	1
8	Calculating bond dissociation energies of Xâ^'H (X=C, N, O, S) bonds of aromatic systems via density functional theory: a detailed comparison of methods. Royal Society Open Science, 2022, 9, .	1.1	7
9	The hydroperoxyl radical scavenging activity of natural hydroxybenzoic acids in oil and aqueous environments: Insights into the mechanism and kinetics. Phytochemistry, 2022, 201, 113281.	1.4	8
10	A Potent Antioxidant Sesquiterpene, Abelsaginol, from Abelmoschus sagittifolius: Experimental and Theoretical Insights. ACS Omega, 2022, 7, 24004-24011.	1.6	1
11	Insights into the mechanisms and kinetics of the hydroperoxyl radical scavenging activity of Artepillin C. New Journal of Chemistry, 2021, 45, 7774-7780.	1.4	12
12	Phenolic Contents and Antioxidant Activity of Helicteres Hirsuta Extracts. Letters in Organic Chemistry, 2021, 18, 128-133.	0.2	2
13	Modelling the mechanism and kinetics of the radical scavenging activity of iminostilbene. Polymer Degradation and Stability, 2021, 185, 109483.	2.7	14
14	Radical Scavenging Activity of Natural Anthraquinones: a Theoretical Insight. ACS Omega, 2021, 6, 13391-13397.	1.6	11
15	The radical scavenging activity of abietane diterpenoids: Theoretical insights. Journal of Molecular Graphics and Modelling, 2021, 105, 107892.	1.3	3
16	The hydroperoxyl radical scavenging activity of sulfuretin: insights from theory. Royal Society Open Science, 2021, 8, 210626.	1.1	2
17	Mechanistic and kinetic studies of the radical scavenging activity of natural abietanes: A theoretical insight. Chemical Physics Letters, 2021, 777, 138737.	1.2	2
18	The hydroperoxyl and superoxide anion radical scavenging activity of anthocyanidins in physiological environments: Theoretical insights into mechanisms and kinetics. Phytochemistry, 2021, 192, 112968.	1.4	11

#	Article	IF	Citations
19	Is natural fraxin an overlooked radical scavenger?. RSC Advances, 2021, 11, 14269-14275.	1.7	12
20	Another look at reactions of 4-hydroxycoumarin with hydroxyl radical in the environment: deprotonation and diffusion effects. New Journal of Chemistry, 2021, 45, 17683-17691.	1.4	3
21	The radical scavenging activity of muriolide in physiological environments: mechanistic and kinetic insights into double processes. RSC Advances, 2021, 11, 33245-33252.	1.7	1
22	Antioxidant Activity of Natural Samwirin A: Theoretical and Experimental Insights. ACS Omega, 2021, 6, 27546-27551.	1.6	3
23	The radical scavenging activity of monosubstituted iminostilbenes: Theoretical insights. Chemical Physics Letters, 2021, 784, 139105.	1.2	1
24	The radical scavenging activity of natural ramalin: A mechanistic and kinetic study. Chemical Physics Letters, 2020, 739, 137004.	1.2	18
25	In Silico Study of the Radical Scavenging Activities of Natural Indole-3-Carbinols. Journal of Chemical Information and Modeling, 2020, 60, 316-321.	2.5	26
26	Biosynthesis and nutritious effects. , 2020, , 47-78.		0
27	A coumarin derivative-Cu²⁺ complex-based fluorescent chemosensor for detection of biothiols. RSC Advances, 2020, 10, 36265-36274.	1.7	8
28	Is Usnic Acid a Promising Radical Scavenger?. ACS Omega, 2020, 5, 17715-17720.	1.6	13
29	The radical scavenging activity of moracins: theoretical insights. RSC Advances, 2020, 10, 36843-36848.	1.7	0
30	Coumarin-Based Dual Chemosensor for Colorimetric and Fluorescent Detection of Cu²⁺ in Water Media. ACS Omega, 2020, 5, 21241-21249.	1.6	47
31	Substitution effects on the antiradical activity of hydralazine: a DFT analysis. New Journal of Chemistry, 2020, 44, 16577-16583.	1.4	12
32	In Silico Evaluation of the Radical Scavenging Mechanism of Mactanamide. ACS Omega, 2020, 5, 24106-24110.	1.6	15
33	Theoretical and Experimental Studies of the Antioxidant and Antinitrosant Activity of Syringic Acid. Journal of Organic Chemistry, 2020, 85, 15514-15520.	1.7	74
34	Thermodynamic and kinetic studies of the antiradical activity of 5-hydroxymethylfurfural: computational insights. New Journal of Chemistry, 2020, 44, 9863-9869.	1.4	41
35	A thermodynamic and kinetic study of the antioxidant activity of natural hydroanthraquinones. RSC Advances, 2020, 10, 20089-20097.	1.7	27
36	Functionalization and antioxidant activity of polyanilineâ€“fullerene hybrid nanomaterials: a theoretical investigation. RSC Advances, 2020, 10, 14595-14605.	1.7	9

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37	Thermodynamic and Kinetic Studies of the Radical Scavenging Behavior of Hydralazine and Dihydralazine: Theoretical Insights. Journal of Physical Chemistry B, 2020, 124, 4123-4131.	1.2	24
38	The antioxidant activity of natural diterpenes: theoretical insights. RSC Advances, 2020, 10, 14937-14943.	1.7	29
39	Theoretical Study on the Antioxidant Activity of Natural Depsidones. ACS Omega, 2020, 5, 7895-7902.	1.6	18
40	Hydroxyl Radical Scavenging of Indole-3-Carbinol: A Mechanistic and Kinetic Study. ACS Omega, 2019, 4, 19375-19381.	1.6	14
41	Is Indolinonic Hydroxylamine a Promising Artificial Antioxidant?. Journal of Physical Chemistry B, 2019, 123, 7777-7784.	1.2	40
42	Theoretical Study for Exploring the Diglycoside Substituent Effect on the Antioxidative Capability of Isorhamnetin Extracted from Anoectochilus roxburghii. ACS Omega, 2019, 4, 14996-15003.	1.6	25
43	Antioxidant Motifs in Flavonoids: Oâ€“H versus Câ€“H Bond Dissociation. ACS Omega, 2019, 4, 8935-8942.	1.6	53
44	Substituent effects on antioxidant activity of monosubstituted indole-3-carbinols: A DFT study. Vietnam Journal of Chemistry, 2019, 57, 728-734.	0.7	1
45	Antioxidant Activities of Monosubstituted Indolinonic Hydroxylamines: A Thermodynamic and Kinetic Study. Journal of Physical Chemistry B, 2019, 123, 10672-10679.	1.2	22
46	A theoretical study of the radical scavenging activity of natural stilbenes. RSC Advances, 2019, 9, 42020-42028.	1.7	41
47	Insights into the cooperativity between multiple interactions of dimethyl sulfoxide with carbon dioxide and water. Journal of Computational Chemistry, 2019, 40, 464-474.	1.5	11
48	Anti-inflammatory activity of synthetic and natural glucoraphanin. Journal of the Serbian Chemical Society, 2019, 84, 445-453.	0.4	1
49	Synthesis of aromatic and indole alpha-glucosinolates. Carbohydrate Research, 2018, 455, 45-53.	1.1	13
50	Density functional theory study of the role of benzylic hydrogen atoms in the antioxidant properties of lignans. Scientific Reports, 2018, 8, 12361.	1.6	63
51	Isolation, Quantification and Antioxidant Activity of Extracts and Compounds from the Aerial Parts of Archidendron bauchei (Jack) I. Niels. Letters in Organic Chemistry, 2018, 15, 972-980.	0.2	2
52	Preparation and X-ray analysis of potassium (2,3-dichlorophenyl)glucosinolate. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 588-594.	0.2	3
53	Synthesis and anti-inflammatory activity of indole glucosinolates. Bioorganic and Medicinal Chemistry, 2014, 22, 856-864.	1.4	45
54	Synthesis and anti-inflammatory activity of aromatic glucosinolates. Bioorganic and Medicinal Chemistry, 2013, 21, 5945-5954.	1.4	30

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55	A total synthesis of (R , S) S -glucoraphanin. Tetrahedron, 2013, 69, 8731-8737.	1.0	10