Nguyen Minh Thong

List of Publications by Year
in descending order

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22 papers	492 citations	840776 11 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	437 citing authors

#	Article	IF	Citations
1	Density functional theory study of the role of benzylic hydrogen atoms in the antioxidant properties of lignans. Scientific Reports, 2018, 8, 12361.	3.3	63
2	Antioxidant Motifs in Flavonoids: Oâ€“H versus Câ€“H Bond Dissociation. ACS Omega, 2019, 4, 8935-8942.	3.5	53
3	Is Vitamin A an Antioxidant or a Pro-oxidant?. Journal of Physical Chemistry B, 2017, 121, 9348-9357.	2.6	52
4	Antioxidant properties of xanthones extracted from the pericarp of Garcinia mangostana (Mangosteen): A theoretical study. Chemical Physics Letters, 2015, 625, 30-35.	2.6	51
5	A theoretical study of the radical scavenging activity of natural stilbenes. RSC Advances, 2019, 9, 42020-42028.	3.6	41
6	Insight into the antioxidant properties of non-phenolic terpenoids contained in essential oils extracted from the buds of Cleistocalyx operculatus: a DFT study. RSC Advances, 2016, 6, 30824-30834.	3.6	37
7	Pivotal Role of Heteroatoms in Improving the Corrosion Inhibition Ability of Thiourea Derivatives. ACS Omega, 2020, 5, 27655-27666.	3.5	29
8	The antioxidant activity of natural diterpenes: theoretical insights. RSC Advances, 2020, 10, 14937-14943.	3.6	29
9	A thermodynamic and kinetic study of the antioxidant activity of natural hydroanthraquinones. RSC Advances, 2020, 10, 20089-20097.	3.6	27
10	Theoretical Study for Exploring the Diglycoside Substituent Effect on the Antioxidative Capability of Isorhamnetin Extracted from Anoectochilus roxburghii. ACS Omega, 2019, 4, 14996-15003.	3.5	25
11	Theoretical investigation on the bond dissociation enthalpies of phenolic compounds extracted from Artocarpus altilis using ONIOM(ROB3LYP/6-311++G(2df,2p):PM6) method. Chemical Physics Letters, 2014, 613, 139-145.	2.6	18
12	Is natural fraxin an overlooked radical scavenger?. RSC Advances, 2021, 11, 14269-14275.	3.6	12
13	Radical Scavenging Activity of Natural Anthraquinones: a Theoretical Insight. ACS Omega, 2021, 6, 13391-13397.	3.5	11
14	The hydroperoxyl and superoxide anion radical scavenging activity of anthocyanidins in physiological environments: Theoretical insights into mechanisms and kinetics. Phytochemistry, 2021, 192, 112968.	2.9	11
15	Functionalization and antioxidant activity of polyanilineâ€“fullerene hybrid nanomaterials: a theoretical investigation. RSC Advances, 2020, 10, 14595-14605.	3.6	9
16	Functionalization of fullerene via the Bingel reaction with Î±-chlorocarbanions: an ONIOM approach. Journal of Molecular Modeling, 2016, 22, 113.	1.8	7
17	Antioxidant activities of [60]fullerene derivatives from chalcone, flavone and flavanone: A ONIOM approach via H-atom and electron transfer mechanism. Chemical Physics Letters, 2016, 652, 56-61.	2.6	6
18	Substituent Effects on the Nâ€“H Bond Dissociation Enthalpies, Ionization Energies, Acidities, and Radical Scavenging Behavior of 3,7-Disubstituted Phenoxazines and 3,7-Disubstituted Phenothiazines. ACS Omega, 2020, 5, 27572-27581.	3.5	3

#	Article	IF	Citations
19	The radical scavenging activity of abietane diterpenoids: Theoretical insights. Journal of Molecular Graphics and Modelling, 2021, 105, 107892.	2.4	3
20	Mechanistic and kinetic studies of the radical scavenging activity of natural abietanes: A theoretical insight. Chemical Physics Letters, 2021, 777, 138737.	2.6	2
21	Insight into Anticorrosion Mechanism of Ampicillin on Mild Steel in Acidic Environment: A Combined Experimental and Theoretical Approach. Journal of Chemistry, 2021, 2021, 1-12.	1.9	2
22	The radical scavenging activity of monosubstituted iminostilbenes: Theoretical insights. Chemical Physics Letters, 2021, 784, 139105.	2.6	1