Pham Cam Nam

List of Publications by Citations

79 papers	1,279 citations	22 h-index	32 g-index
92 ext. papers	1,581 ext. citations	2.9 avg, IF	4.9 L-index

#	Paper	IF	Citations
79	Autodock Vina Adopts More Accurate Binding Poses but Autodock4 Forms Better Binding Affinity. *Journal of Chemical Information and Modeling*, **2020**, 60, 204-211	6.1	104
78	Fe2O3 nanoporous network fabricated from Fe3O4/reduced graphene oxide for high-performance ethanol gas sensor. *Sensors and Actuators B: Chemical*, **2018**, 255, 3275-3283	8.5	92
77	The S□H Bond Dissociation Enthalpies and Acidities of Para and Meta Substituted Thiophenols: A Quantum Chemical Study. *Journal of Physical Chemistry A*, **2003**, 107, 9182-9188	2.8	67
76	Density functional theory study of the role of benzylic hydrogen atoms in the antioxidant properties of lignans. *Scientific Reports*, **2018**, 8, 12361	4.9	52
75	Singlet□Triplet Energy Gaps of Gas-Phase RNA and DNA Bases. A Quantum Chemical Study. *Journal of Physical Chemistry A*, **2004**, 108, 6554-6561	2.8	49
74	A highly sensitive fluorescent chemosensor for simultaneous determination of Ag(I), Hg(II), and Cu(II) ions: Design, synthesis, characterization and application. *Dyes and Pigments*, **2015**, 116, 89-96	4.6	46
73	The triplet state of cytosine and its derivatives: electron impact and quantum chemical study. *Journal of Chemical Physics*, **2004**, 121, 11668-74	3.9	45
72	Antioxidant properties of xanthones extracted from the pericarp of Garcinia mangostana (Mangosteen): A theoretical study. *Chemical Physics Letters*, **2015**, 625, 30-35	2.5	40
71	The C-H and alpha(C-X) bond dissociation enthalpies of toluene, C6H5-CH2X (X = F, Cl), and their substituted derivatives: a DFT study. *Journal of Physical Chemistry A*, **2005**, 109, 10342-7	2.8	38
70	Theoretical and Experimental Studies of the Antioxidant and Antinitrosant Activity of Syringic Acid. *Journal of Organic Chemistry*, **2020**, 85, 15514-15520	4.2	30
69	Is Indolinonic Hydroxylamine a Promising Artificial Antioxidant?. *Journal of Physical Chemistry B*, **2019**, 123, 7777-7784	3.4	29
68	Is Vitamin A an Antioxidant or a Pro-oxidant?. *Journal of Physical Chemistry B*, **2017**, 121, 9348-9357	3.4	29
67	Effect of the Structure and Temperature on Corrosion Inhibition of Thiourea Derivatives in 1.0 M HCl Solution. *ACS Omega*, **2019**, 4, 14478-14489	3.9	28
66	Antioxidant Motifs in Flavonoids: O-H versus C-H Bond Dissociation. *ACS Omega*, **2019**, 4, 8935-8942	3.9	28
65	Ring Versus Nitrogen Protonation of Anilines. *Letters in Organic Chemistry*, **2004**, 1, 23-30	0.6	28
64	A theoretical study of the radical scavenging activity of natural stilbenes.. *RSC Advances*, **2019**, 9, 42020-42028	3.9	28
63	Theoretical study of the substituent effects on the S-H bond dissociation energy and ionization energy of 3-pyridinethiol: Prediction of novel antioxidant. *Journal of Physical Chemistry A*, **2006**, 110, 10904-11	2.8	26

62	Facile post-synthesis and gas sensing properties of highly porous NiO microspheres. *Sensors and Actuators A: Physical*, **2019**, 296, 110-120	3.9	25
61	Surface enhanced Raman scattering of melamine on silver substrate: An experimental and DFT study. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 169, 230-7	4.4	24
60	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	3.7	24
59	A DFT analysis on the radical scavenging activity of oxygenated terpenoids present in the extract of the buds of Cleistocalyx operculatus. *RSC Advances*, **2017**, 7, 39686-39698	3.7	23
58	Netropsin interactions in the minor groove of d(GGCCAATTGG) studied by a combination of resolution enhancement and ab initio calculations. *FEBS Journal*, **2005**, 272, 3531-41	5.7	23
57	Oversampling Free Energy Perturbation Simulation in Determination of the Ligand-Binding Free Energy. *Journal of Computational Chemistry*, **2020**, 41, 611-618	3.5	22
56	Effect of Substituents on the P□H Bond Dissociation Enthalpies of Phenylphosphines and Proton Affinities of Phenylphosphine Anions: A DFT Study. *Journal of Physical Chemistry A*, **2004**, 108, 11362-11368	2.8	20
55	Electronic structure of zwitterionic diamino-meta-quinonoid molecules: identity of UV absorption bands. *Chemical Physics Letters*, **2003**, 382, 349-354	2.5	19
54	Coumarin-Based Dual Chemosensor for Colorimetric and Fluorescent Detection of Cu in Water Media. *ACS Omega*, **2020**, 5, 21241-21249	3.9	16
53	Effects of fluorine-substitution on the molecular properties of dimethyl ethers: A theoretical investigation. *Computational and Theoretical Chemistry*, **2007**, 821, 71-81		15
52	A thermodynamic and kinetic study of the antioxidant activity of natural hydroanthraquinones.. *RSC Advances*, **2020**, 10, 20089-20097	3.7	14
51	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	2.5	14
50	Methyl and phenyl substitution effects on the proton affinities of hydrides of first and second row elements and substituent effects on the proton affinities of ring carbons in benzene: a DFT study. *Journal of Physical Chemistry A*, **2006**, 110, 4509-15	2.8	14
49	Decarboxylation of metastable methyl benzoate molecular ions. *Journal of the American Society for Mass Spectrometry*, **2006**, 17, 807-814	3.5	14
48	Molecular and electronic structure of zwitterionic diamino-meta-quinonoid molecules. *Molecular Physics*, **2003**, 101, 2347-2355	1.7	13
47	Binding of inhibitors to the monomeric and dimeric SARS-CoV-2 Mpro.. *RSC Advances*, **2021**, 11, 2926-2934	3.7	13
46	Theoretical Study for Exploring the Diglycoside Substituent Effect on the Antioxidative Capability of Isorhamnetin Extracted from. *ACS Omega*, **2019**, 4, 14996-15003	3.9	12
45	Hydroxyl Radical Scavenging of Indole-3-Carbinol: A Mechanistic and Kinetic Study. *ACS Omega*, **2019**, 4, 19375-19381	3.9	12

44	Exceptional case of Kasha rule: Emission from higher-lying singlet electron excited states into ground states in coumarin-based biothiol sensing. *Dyes and Pigments*, **2018**, 152, 118-126	4.6	11
43	Gas phase nitrosation of substituted benzenes. *International Journal of Mass Spectrometry*, **2004**, 232, 31-40	1.9	11
42	Protonation and methylation of thiophenol, thioanisole and their halogenated derivatives: mass spectrometric and computational study. *International Journal of Mass Spectrometry*, **2003**, 228, 151-165	1.9	11
41	Synthesis of aromatic and indole alpha-glucosinolates. *Carbohydrate Research*, **2018**, 455, 45-53	2.9	10
40	A Specific Gas-Phase Substitution Reaction between Enol Radical Cations and t-Butyl Nitrite. *European Journal of Mass Spectrometry*, **2004**, 10, 889-898	1.1	9
39	In Silico Evaluation of the Radical Scavenging Mechanism of Mactanamide. *ACS Omega*, **2020**, 5, 24106-24110	3.7	9
38	Computational estimation of potential inhibitors from known drugs against the main protease of SARS-CoV-2.. *RSC Advances*, **2021**, 11, 17478-17486	3.7	9
37	Performance of an integrated approach for prediction of bond dissociation enthalpies of phenols extracted from ginger and tea. *Chemical Physics Letters*, **2013**, 555, 44-50	2.5	7
36	Unimolecular chemistry of metastable dimethyl isophthalate radical cations. *International Journal of Mass Spectrometry*, **2008**, 275, 110-116	1.9	7
35	Theoretical Study on the Antioxidant Activity of Natural Depsidones. *ACS Omega*, **2020**, 5, 7895-7902	3.9	7
34	Insights into the mechanisms and kinetics of the hydroperoxyl radical scavenging activity of Artepillin C. *New Journal of Chemistry*, **2021**, 45, 7774-7780	3.6	7
33	Experimental and theoretical study of corrosion inhibition performance of N-phenylthiourea for mild steel in hydrochloric acid and sodium chloride solution. *Journal of Molecular Modeling*, **2019**, 25, 204	2	6
32	C-Terminal Plays as the Possible Nucleation of the Self-Aggregation of the S-Shape A Tetramer in Solution: Intensive MD Study. *ACS Omega*, **2019**, 4, 11066-11073	3.9	6
31	Internal energy effects on charge stripping spectra of [C7H8]+ and [C5H6]+ radical cations. *Chemical Physics Letters*, **2006**, 419, 139-143	2.5	6
30	A quantum chemical study of the protonation of phenylphosphine and its halogenated derivatives. *European Journal of Mass Spectrometry*, **2003**, 9, 257-66	1.1	6
29	Antioxidant activity of thiourea derivatives: An experimental and theoretical study. *Journal of Molecular Liquids*, **2021**, 340, 117149	6	6
28	Ab initio chemical kinetics for the HCCO + OH reaction. *Chemical Physics Letters*, **2014**, 592, 175-181	2.5	5
27	DFT study of the interactions between thiophene-based corrosion inhibitors and an Fe cluster. *Journal of Molecular Modeling*, **2017**, 23, 260	2	5

26	On the loss of a methyl radical from metastable dimethyl terephthalate molecular ions. *International Journal of Mass Spectrometry*, **2007**, 261, 134-139	1.9	5
25	The cyclohexadienylidenemethanone radical cation is a more stable distonic isomer of ionized benzaldehyde. *Chemical Physics Letters*, **2008**, 456, 141-145	2.5	5
24	Characterization of a distonic isomer C6H5C+(OH)OCH2 of methyl benzoate radical cation by associative ion□olecule reactions. *International Journal of Mass Spectrometry*, **2006**, 249-250, 484-492	1.9	5
23	Pivotal Role of Heteroatoms in Improving the Corrosion Inhibition Ability of Thiourea Derivatives. *ACS Omega*, **2020**, 5, 27655-27666	3.9	5
22	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	2.5	5
21	Functionalization and antioxidant activity of polyaniline-fullerene hybrid nanomaterials: a theoretical investigation.. *RSC Advances*, **2020**, 10, 14595-14605	3.7	4
20	The Se□H bond of benzeneselenols (ArSe-H): Relationship between bond dissociation enthalpy and spin density of radicals. *Chemical Physics*, **2013**, 415, 18-25	2.3	4
19	Ion/molecule reactions involving ionized toluene or ionized methyl benzoate and neutral methyl isocyanide. *International Journal of Mass Spectrometry*, **2008**, 270, 101-110	1.9	4
18	Functionalization of fullerene via the Bingel reaction with □-chlorocarbanions: an ONIOM approach. *Journal of Molecular Modeling*, **2016**, 22, 113	2	4
17	Hg-Promoted Spirolactam Hydrolysis Reaction: A Design Strategy for the Highly Selective Sensing of Hg over other Metal Ions in Aqueous Media. *Sensors*, **2019**, 19,	3.8	4
16	A coumarin derivative-Cu complex-based fluorescent chemosensor for detection of biothiols.. *RSC Advances*, **2020**, 10, 36265-36274	3.7	3
15	Is natural fraxin an overlooked radical scavenger?. *RSC Advances*, **2021**, 11, 14269-14275	3.7	3
14	Theoretical Investigation on Antioxidant Activity of Phenolic Compounds Extracted from Artocarpus Altilis. *IFMBE Proceedings*, **2015**, 464-469	0.2	2
13	Ab Initio Chemical Kinetics for the HCCO + H Reaction. *Combustion Science and Technology*, **2016**, 188, 1095-1114	1.5	2
12	Gas-phase nitrosation of ethylene and related events in the C2H4NO+ landscape. *Journal of Physical Chemistry A*, **2008**, 112, 5418-28	2.8	2
11	Radical Scavenging Activity of Natural Anthraquinones: a Theoretical Insight. *ACS Omega*, **2021**, 6, 13391-13397	3.7	2
10	Using calculations of the electronically excited states for investigation of fluorescent sensors: A review. *Vietnam Journal of Chemistry*, **2019**, 57, 389-400	0.8	1
9	Thermodynamics and kinetics in antibody resistance of the 501Y.V2 SARS-CoV-2 variant.. *RSC Advances*, **2021**, 11, 33438-33446	3.7	1

8	A Study of 1-Benzyl-3-phenyl-2-thiourea as an Effective Steel Corrosion Inhibitor in 1.0 M HCl Solution. *Journal of Chemistry*, **2021**, 2021, 1-14	2.3	1
7	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	0.6	0
6	Substituent Effects on the N-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	3.9	0
5	Mechanistic and kinetic studies of the radical scavenging activity of natural abietanes: A theoretical insight. *Chemical Physics Letters*, **2021**, 777, 138737	2.5	0
4	An experimental and computational study of antioxidant activity of N-phenylthiourea and N-phenylselenourea analogues. *Vietnam Journal of Chemistry*, **2019**, 57, 469-479	0.8	
3	Substituent effects on antioxidant activity of monosubstituted indole-3-carbinols: A DFT study. *Vietnam Journal of Chemistry*, **2019**, 57, 728-734	0.8	
2	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	2.3	
1	Oxoberberine: a promising natural antioxidant in physiological environments.. *RSC Advances*, **2022**, 12, 9738-9743	3.7	