Pham Cam Nam

List of Publications by Year in Descending Order

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	Oxoberberine: a promising natural antioxidant in physiological environments.. *RSC Advances*, **2022**, 12, 9738-9743	3.7	
78	Thermodynamics and kinetics in antibody resistance of the 501Y.V2 SARS-CoV-2 variant.. *RSC Advances*, **2021**, 11, 33438-33446	3.7	1
77	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
76	Radical Scavenging Activity of Natural Anthraquinones: a Theoretical Insight. *ACS Omega*, **2021**, 6, 13391-13397	3.7	2
75	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
74	Binding of inhibitors to the monomeric and dimeric SARS-CoV-2 Mpro.. *RSC Advances*, **2021**, 11, 2926-2934	3.7	13
73	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
72	Mechanistic and kinetic studies of the radical scavenging activity of natural abietanes: A theoretical insight. *Chemical Physics Letters*, **2021**, 777, 138737	2.5	0
71	Antioxidant activity of thiourea derivatives: An experimental and theoretical study. *Journal of Molecular Liquids*, **2021**, 340, 117149	6	6
70	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	
69	Is natural fraxin an overlooked radical scavenger?. *RSC Advances*, **2021**, 11, 14269-14275	3.7	3
68	Theoretical and Experimental Studies of the Antioxidant and Antinitrosant Activity of Syringic Acid. *Journal of Organic Chemistry*, **2020**, 85, 15514-15520	4.2	30
67	A thermodynamic and kinetic study of the antioxidant activity of natural hydroanthraquinones.. *RSC Advances*, **2020**, 10, 20089-20097	3.7	14
66	Functionalization and antioxidant activity of polyaniline-fullerene hybrid nanomaterials: a theoretical investigation.. *RSC Advances*, **2020**, 10, 14595-14605	3.7	4
65	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
64	Oversampling Free Energy Perturbation Simulation in Determination of the Ligand-Binding Free Energy. *Journal of Computational Chemistry*, **2020**, 41, 611-618	3.5	22
63	Pivotal Role of Heteroatoms in Improving the Corrosion Inhibition Ability of Thiourea Derivatives. *ACS Omega*, **2020**, 5, 27655-27666	3.9	5

62	A coumarin derivative-Cu complex-based fluorescent chemosensor for detection of biothiols.. *RSC Advances*, **2020**, 10, 36265-36274	3.7	3
61	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
60	Coumarin-Based Dual Chemosensor for Colorimetric and Fluorescent Detection of Cu in Water Media. *ACS Omega*, **2020**, 5, 21241-21249	3.9	16
59	In Silico Evaluation of the Radical Scavenging Mechanism of Mactanamide. *ACS Omega*, **2020**, 5, 24106-24110	3.9	9
58	Theoretical Study on the Antioxidant Activity of Natural Depsidones. *ACS Omega*, **2020**, 5, 7895-7902	3.9	7
57	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
56	Is Indolinonic Hydroxylamine a Promising Artificial Antioxidant?. *Journal of Physical Chemistry B*, **2019**, 123, 7777-7784	3.4	29
55	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
54	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
53	Antioxidant Motifs in Flavonoids: O-H versus C-H Bond Dissociation. *ACS Omega*, **2019**, 4, 8935-8942	3.9	28
52	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
51	Facile post-synthesis and gas sensing properties of highly porous NiO microspheres. *Sensors and Actuators A: Physical*, **2019**, 296, 110-120	3.9	25
50	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
49	Hydroxyl Radical Scavenging of Indole-3-Carbinol: A Mechanistic and Kinetic Study. *ACS Omega*, **2019**, 4, 19375-19381	3.9	12
48	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	
47	Substituent effects on antioxidant activity of monosubstituted indole-3-carbinols: A DFT study. *Vietnam Journal of Chemistry*, **2019**, 57, 728-734	0.8	
46	A theoretical study of the radical scavenging activity of natural stilbenes.. *RSC Advances*, **2019**, 9, 42020-42028	3.9	28
45	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

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	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
42	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
41	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
40	Synthesis of aromatic and indole alpha-glucosinolates. *Carbohydrate Research*, **2018**, 455, 45-53	2.9	10
39	Is Vitamin A an Antioxidant or a Pro-oxidant?. *Journal of Physical Chemistry B*, **2017**, 121, 9348-9357	3.4	29
38	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
37	DFT study of the interactions between thiophene-based corrosion inhibitors and an Fe cluster. *Journal of Molecular Modeling*, **2017**, 23, 260	2	5
36	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
35	Ab Initio Chemical Kinetics for the HCCO + H Reaction. *Combustion Science and Technology*, **2016**, 188, 1095-1114	1.5	2
34	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
33	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
32	Functionalization of fullerene via the Bingel reaction with -chlorocarbanions: an ONIOM approach. *Journal of Molecular Modeling*, **2016**, 22, 113	2	4
31	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
30	Theoretical Investigation on Antioxidant Activity of Phenolic Compounds Extracted from Artocarpus Altilis. *IFMBE Proceedings*, **2015**, 464-469	0.2	2
29	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
28	Ab initio chemical kinetics for the HCCO + OH reaction. *Chemical Physics Letters*, **2014**, 592, 175-181	2.5	5
27	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

26	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
25	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
24	Gas-phase nitrosation of ethylene and related events in the C2H4NO+ landscape. *Journal of Physical Chemistry A*, **2008**, 112, 5418-28	2.8	2
23	The cyclohexadienylidenemethanone radical cation is a more stable distonic isomer of ionized benzaldehyde. *Chemical Physics Letters*, **2008**, 456, 141-145	2.5	5
22	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
21	Unimolecular chemistry of metastable dimethyl isophthalate radical cations. *International Journal of Mass Spectrometry*, **2008**, 275, 110-116	1.9	7
20	Effects of fluorine-substitution on the molecular properties of dimethyl ethers: A theoretical investigation. *Computational and Theoretical Chemistry*, **2007**, 821, 71-81		15
19	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
18	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
17	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
16	Internal energy effects on charge stripping spectra of [C7H8]+ and [C5H6]+ radical cations. *Chemical Physics Letters*, **2006**, 419, 139-143	2.5	6
15	Characterization of a distonic isomer C6H5C+(OH)OCH2 of methyl benzoate radical cation by associative ion–molecule reactions. *International Journal of Mass Spectrometry*, **2006**, 249-250, 484-492	1.9	5
14	Decarboxylation of metastable methyl benzoate molecular ions. *Journal of the American Society for Mass Spectrometry*, **2006**, 17, 807-814	3.5	14
13	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
12	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
11	Ring Versus Nitrogen Protonation of Anilines. *Letters in Organic Chemistry*, **2004**, 1, 23-30	0.6	28
10	Gas phase nitrosation of substituted benzenes. *International Journal of Mass Spectrometry*, **2004**, 232, 31-40	1.9	11
9	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

8	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
7	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
6	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
5	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
4	Electronic structure of zwitterionic diamino-meta-quinonoid molecules: identity of UV absorption bands. *Chemical Physics Letters*, **2003**, 382, 349-354	2.5	19
3	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
2	Molecular and electronic structure of zwitterionic diamino-meta-quinonoid molecules. *Molecular Physics*, **2003**, 101, 2347-2355	1.7	13
1	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