Nguyen Thi Ai Nhung

List of Publications by Year
in descending order

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54	742	759233	552781
papers	citations	12 h-index	26 g-index

56	56	56	1058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation into SARS-CoV-2 Resistance of Compounds in Garlic Essential Oil. ACS Omega, 2020, 5, 8312-8320.	3.5	213
2	Transitionâ€Metal Complexes of Tetrylones [(CO)₅Wâ€E(PPh₃)₂] and Tetrylenes [(CO)₅Wâ€NHE] (E=Câ€“Pb): A Theoretical Study. Chemistry - A European Journal, 2012, 18, 12733-12748.	3.3	69
3	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.	3.7	63
4	Coumarin-Based Dual Chemosensor for Colorimetric and Fluorescent Detection of Cu²⁺ in Water Media. ACS Omega, 2020, 5, 21241-21249.	3.5	47
5	Evaluation of the Inhibitory Activities of COVIDâ€19 of Melaleuca cajuputi Oil Using Docking Simulation. ChemistrySelect, 2020, 5, 6312-6320.	1.5	33
6	Iron ions chelation-based antioxidant potential vs. pro-oxidant risk of ferulic acid: A DFT study in aqueous phase. Computational and Theoretical Chemistry, 2020, 1185, 112905.	2.5	26
7	Structure and bonding of tetrylone complexes [(CO)₄W{E(PPh₃)₂}] (E = Câ€“Pb). Molecular Physics, 2013, 111, 2640-2646.	1.7	23
8	Isolation, semi-synthesis, docking-based prediction, and bioassay-based activity of Dolichandrone spathacea iridoids: new catalpol derivatives as glucosidase inhibitors. RSC Advances, 2021, 11, 11959-11975.	3.6	21
9	Gold nanoclusters as prospective carriers and detectors of pramipexole. RSC Advances, 2021, 11, 16619-16632.	3.6	20
10	A density functional theory study on silver and bis-silver complexes with lighter tetrylene: are silver and bis-silver carbenes candidates for SARS-CoV-2 inhibition? Insight from molecular docking simulation. RSC Advances, 2020, 10, 30961-30974.	3.6	18
11	Novel QSPR modeling of stability constants of metal-thiosemicarbazone complexes by hybrid multivariate technique: GA-MLR, GA-SVR and GA-ANN. Journal of Molecular Structure, 2019, 1195, 95-109.	3.6	16
12	A hemicyanine complex for the detection of thiol biomolecules by fluorescence. Dyes and Pigments, 2016, 131, 301-306.	3.7	14
13	A new rhodamineâ€based fluorescent chemodosimeter for mercuric ions in water media. Luminescence, 2015, 30, 325-329.	2.9	11
14	In-Depth Investigation of a Donorâ€“Acceptor Interaction on the Heavy-Group-14@Group-13-Diyls in Transition-Metal Tetrylone Complexes: Structure, Bonding, and Property. ACS Omega, 2020, 5, 21271-21287.	3.5	11
15	Newly synthesised oxime and lactone derivatives from Dipterocarpus alatus dipterocarpol as anti-diabetic inhibitors: experimental bioassay-based evidence and theoretical computation-based prediction. RSC Advances, 2021, 11, 35765-35782.	3.6	11
16	New insights into the competition between antioxidant activities and pro-oxidant risks of rosmarinic acid. RSC Advances, 2022, 12, 1499-1514.	3.6	11
17	A molecular docking simulation study on potent inhibitors against Rhizoctonia solani and Magnaporthe oryzae in rice: silver-tetrylene and bis-silver-tetrylene complexes vs. validamycin and tricyclazole pesticides. Structural Chemistry, 2021, 32, 135-148.	2.0	10
18	A Dansylâ€“Diethylenetriamineâ€“Thiourea Conjugate as a Fluorescent Chemodosimeter for Hg2+ Ions in Water Media. Chemistry Letters, 2014, 43, 1034-1036.	1.3	9

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19	An insight into C_{sp}â€“Hâ‹¯Ï€ hydrogen bonds and stability of complexes formed by acetylene and its substituted derivatives with benzene and borazine. RSC Advances, 2016, 6, 106662-106670.	3.6	8
20	A Benzothiazolium-derived Colorimetric and Fluorescent Chemosensor for Detection of Hg²⁺ Ions. Chemistry Letters, 2017, 46, 135-138.	1.3	8
21	Screening for Streptococcus pyogenes antibacterial and Candida albicans antifungal bioactivities of organic compounds in natural essential oils of Piper betle L., Cleistocalyx operculatus L. and Ageratum conyzoides L.. Chemical Papers, 2021, 75, 1507-1519.	2.2	7
22	Ab initio Intermolecular Potential Energy Surface and Calculation of Second Virial Coefficients for the Cl₂-Cl₂Dimer. Smart Science, 2015, 3, 193-201.	3.2	6
23	Prediction of anticancer activities of cynaroside and quercetin in leaf of plants Cynara scolymus L and Artocarpus incisa L using structureâ€“activity relationship. Cogent Chemistry, 2016, 2, 1212452.	2.5	6
24	Density function theory study of water gas shift reaction on 2Cu/ZnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mo		

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37	A Computational Screening on Inhibitability ofPiper BetleEssential Oil Chemical Structures against Spike Proteins of Mutated SARS-CoV-2-variants D614G, N501Y, and S477N. Smart Science, 2022, 10, 246-263.	3.2	3
38	Roles of H2 O to hydrogen bonds, structure and strength of complexes of CH3 CHS and H2 O. Vietnam Journal of Chemistry, 2019, 57, 425-432.	0.8	2
39	Growth Pattern, Stability, and Properties of Complexes of C₂H₅OH and nCO₂ (n = 1â€“5) Molecules: A Theoretical Study. ACS Omega, 2020, 5, 14408-14416.	3.5	2
40	Theoretical Aspects of Nonconventional Hydrogen Bonds in the Complexes of Aldehydes and Hydrogen Chalcogenides. Journal of Physical Chemistry A, 2021, 125, 10291-10302.	2.5	2
41	Structural characteristics and chemical reactivity of gold-based clusters Aun (nâ€‰=â€‰16, 17) toward lone pairs. Journal of Molecular Modeling, 2022, 28, 54.	1.8	2
42	Antimicrobial Properties of Distichochlamys citrea M.F. Newman Rhizome n â€Hexane Extract againstÂ Streptococcus pyogenes : Experimental Evidences and Computational Screening. ChemistrySelect, 2022, 7, .	1.5	2
43	A Comparison of Donor-acceptor Interactions in Borane Complexes of Divalent Tetrylenes(II) and Divalent Tetrylones(0) using Energy Decomposition Analysis Method with Natural Orbital for Chemical Valence Theory. Smart Science, 2016, 4, 28-37.	3.2	1
44	Structure and property of complexes of group 13 diyl containing subvalent silylone using energy decomposition analysis with natural orbitals for chemical valence. Vietnam Journal of Chemistry, 2018, 56, 742-750.	0.8	1
45	Theoretical assessment of donorâ€“acceptor complexes [X(PPh3)2â€‰â†’â€‰AlH2]+ (Xâ€‰=â€‰Câ€“Pb): structures and bonding. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	1
46	Quantum chemical investigation for structures and bonding analysis of molybdenum tetracarbonyl complexes with N-heterocyclic carbene and analogues: helpful information for plant biology research. Journal of Vietnamese Environment, 2015, 6, 142-148.	0.2	1
47	A DFT study of the molecular and electronic structures of cis-dioxidomolybdenum (VI) complex of 8-hydroxyquinoline and 4-benzoyl-3-methyl-1-phenyl-2-pyrazolin-5-one with water. Theoretical Chemistry Accounts, 2022, 141, 1.	1.4	1
48	In Silico Inhibitability of Copper Carbenes and Silylenes against Rhizoctonia solani and Magnaporthe oryzae. Journal of Chemistry, 2021, 2021, 1-14.	1.9	1
49	Theoretical exploitation of donor-acceptor ability in low-valent group-14 elements complexes [E(PPh3) Tj ETQq1 1 0.784314 rgBT /Over 418-424.	0.8	0
50	Coordination complexes of slight tetrylene with platinum(II)-8-hydroxyquinolines: Structure and bonding analysis. Vietnam Journal of Chemistry, 2020, 58, 364-371.	0.8	0
51	Insight prediction of receptor binding activity of a set of benzamide derivatives using hybrid QSAR models: GA-MLR and GA-SVR. Vietnam Journal of Chemistry, 2020, 58, 191-200.	0.8	0
52	Diagram of vapor-liquid equilibria for n -pentane using hybrid Gibbs ensemble Monte Carlo simulation. Vietnam Journal of Chemistry, 2020, 58, 101-107.	0.8	0
53	A quantum chemical computation insight into the donor-acceptor bond interaction of silver complexes with tetrylene. Vietnam Journal of Chemistry, 2017, 55, .	0.8	0
54	A theoretical study of structure, bonding and property of platinum(II)-8-hydroxyquinolines complexes with carbene and heavier homologues. Hue University Journal of Science: Natural Science, 2020, 129, 41-48.	0.1	0