Chin-Hui Yu

List of Publications by Year
in descending order

38	513	759233 12	713466 21
papers	citations	h-index	g-index

38	38	38	663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Computational Study of the Promiscuity of the SAM-Dependent Methyltransferase AtHTMT1. ACS Omega, 2022, 7, 12753-12764.	3.5	3
2	Computational Evidence for Homonuclear Ge^IGe^I Dative Bonds. Journal of Physical Chemistry A, 2020, 124, 3795-3804.	2.5	3
3	Substituent effects in the Nicholas epimerization of glycosides. Journal of Physical Organic Chemistry, 2018, 31, e3780.	1.9	3
4	Computational Study of the Degradation of S-Adenosyl Methionine in Water. Journal of Physical Chemistry A, 2017, 121, 505-514.	2.5	7
5	Enantiodivergent Steglich rearrangement of O-carboxylazlactones catalyzed by a chirality switchable helicene containing a 4-aminopyridine unit. Chemical Science, 2017, 8, 524-529.	7.4	54
6	Intermediate oxiranes in the base-catalyzed depolymerisation of lignin. Green Chemistry, 2016, 18, 1590-1596.	9.0	14
7	Stereochemical Course of Wittig Rearrangements of Dihydropyran Allyl Propargyl Ethers. Journal of Organic Chemistry, 2015, 80, 6222-6237.	3.2	14
8	Solvent effects on the intramolecular conversion of trimethylsulfonium chloride to dimethyl sulfide and methyl chloride. Physical Chemistry Chemical Physics, 2014, 16, 26658-26671.	2.8	5
9	A theoretical study of the nornicotine-catalyzed Mannich reaction in wet solvents and water. Green Chemistry, 2014, 16, 3999-4008.	9.0	6
10	A computational study of the activation of allenoates by Lewis bases and the reactivity of intermediate adducts. Organic and Biomolecular Chemistry, 2014, 12, 7297.	2.8	19
11	Interstitial water and the formation of low barrier hydrogen bonds: A computational model study. International Journal of Quantum Chemistry, 2012, 112, 1460-1472.	2.0	2
12	A computational study of unique properties of pillar[n]quinones: Selfâ€assembly to tubular structures and potential applications as electron acceptors and anion recognizers. Journal of Computational Chemistry, 2011, 32, 2716-2726.	3.3	30
13	Turning Low Barrier Hydrogen Bonds on and Off. Journal of the Chinese Chemical Society, 2010, 57, 671-676.	1.4	4
14	A model study of the efficiency of the Aspâ€“Hisâ€“Ser triad. Journal of Computational Chemistry, 2010, 31, 1853-1859.	3.3	3
15	The NHN⁺ hydrogen bridge between 4,5â€dihydroâ€1Hâ€imidazole and various amines. International Journal of Quantum Chemistry, 2009, 109, 2286-2296.	2.0	4
16	A Multiâ€Center Energy Analysis of the Tunable Proton Affinity of Hydrogen Bonded Cluster Ions. Journal of the Chinese Chemical Society, 2009, 56, 80-88.	1.4	2
17	THE COOPERATIVITY BETWEEN HYDROGEN AND HALOGEN BONDS. Journal of Theoretical and Computational Chemistry, 2008, 07, 13-35.	1.8	33
18	Computations in Treating Fullerenes and Carbon Aggregates. Reviews in Computational Chemistry, 2007, , 1-62.	1.5	42

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19	The relationship between the bond length and the difference in proton affinities for the observation of heteronuclear low barrier hydrogen bonds. Chemical Physics Letters, 2007, 433, 275-278.	2.6	10
20	The relationship between the energy of activation for the proton-movement and the difference in proton affinities of bonded partners in double well hydrogen bonds. Chemical Physics Letters, 2006, 424, 264-267.	2.6	11
21	THE ESTIMATIONS OF INNER-SHELL IONIZATION ENERGIES FOR ALKYL HALIDES: A DESIGNATED SINGLE-CONFIGURATION CASSCF APPROACH AND ADVANCED CORRECTION. Journal of Theoretical and Computational Chemistry, 2004, 03, 103-115.	1.8	0
22	Reply to â€œComment on â€˜Time-Dependent Density Functional Study of Electroluminescent Polymers'â€• Journal of Physical Chemistry A, 2004, 108, 9318-9318.	2.5	0
23	Analytical fittings for the global potential energy surface of the ground state of methylene. Journal of Chemical Physics, 2003, 118, 582-594.	3.0	6
24	Photoionization study of CH3SCH2Cl formed in the reaction system Cl/Cl2/CH3SCH3. Journal of Chemical Physics, 2001, 114, 4817-4823.	3.0	5
25	The potential energy surface of excited states by time-dependent density functional theory: The reaction of sulfur atom and nitrogen dioxide. Journal of Chemical Physics, 2001, 115, 7495-7502.	3.0	11
26	Production of HCO from propenal photolyzed at 193 nm: Relaxation of excited states and distribution of internal states of fragment HCO. Journal of Chemical Physics, 2001, 114, 8964-8970.	3.0	18
27	Photoionization spectrum and ionization energy of CH3SCl. Journal of Chemical Physics, 1999, 110, 4757-4762.	3.0	6
28	Photoionization-efficiency spectrum and ionization energy of C2H5SCl. Journal of Chemical Physics, 1999, 111, 10093-10098.	3.0	3
29	Stereocontrolled Synthesis of Functionalized Bicyclic Î±-Methylene Butyrolactones via Tungsten-Mediated Intramolecular Allylation of Aldehydes. Journal of Organic Chemistry, 1999, 64, 7552-7558.	3.2	9
30	Density Functional Study of Bergman Cyclization of Enediynes. Journal of Physical Chemistry A, 1998, 102, 2584-2593.	2.5	43
31	Photoionization efficiency spectrum and ionization energy of HSO studied by discharge flow-photoionization mass spectrometry. Journal of Chemical Physics, 1997, 106, 9727-9733.	3.0	14
32	Ionization energy of HSSH. Journal of Chemical Physics, 1997, 107, 5273-5274.	3.0	11
33	Extended ab initio studies of the vinylideneâ€“acetylene rearrangement. Journal of Chemical Physics, 1997, 106, 3237-3242.	3.0	88
34	Photoionization efficiency spectrum and ionization energy of C2H5SO. Journal of Chemical Physics, 1997, 107, 8794-8799.	3.0	7
35	Benchmarks of the PC-UNIX Computer with Electronic Structure Calculation. Journal of Chemical Information and Computer Sciences, 1997, 37, 1111-1114.	2.8	3
36	A MNDO study of carbon clusters with specifically fitted parameters. Theoretica Chimica Acta, 1995, 92, 269-280.	0.8	19

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37	Effect of Orbital Overlap in Thermal Reverse Homoâ€Dielsâ€Alder Reaction and Intramolecular Reverse Ene Reaction. Journal of the Chinese Chemical Society, 1994, 41, 631-634.	1.4	0
38	Evaluation of Vibrational Energies by Means of Neural Networks. Journal of the Chinese Chemical Society, 1993, 40, 113-119.	1.4	1