Haijun Wang

List of Publications by Year
in descending order

44	585	623734	677142
papers	citations	14 h-index	22 g-index

44	44	44	741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Zirconium-Gallic Acid Coordination Polymer: Catalytic Transfer Hydrogenation of Levulinic Acid and Its Esters into Î³-Valerolactone. Catalysis Letters, 2022, 152, 1286-1297.	2.6	2
2	A novel synthesis of zirconium tannate with high stability: new insight into the structure of the catalyst for hydrogenation. Applied Catalysis A: General, 2020, 602, 117666.	4.3	10
3	Study on the mechanism of furfural to maleic acid oxidized by hydrogen peroxide in formic acid solution. Journal of Theoretical and Computational Chemistry, 2020, 19, 2050019.	1.8	3
4	Catalytic transfer hydrogenation of furfural into furfuryl alcohol over Niâ€“Feâ€layered double hydroxide catalysts. Journal of the Chinese Chemical Society, 2019, 66, 1610-1618.	1.4	11
5	Porous Organic Zirconium Phosphonate as Efficient Catalysts for the Catalytic Transfer Hydrogenation of Ethyl Levulinate to Î³â€Valerolactone without External Hydrogen. Journal of the Chinese Chemical Society, 2018, 65, 750-759.	1.4	13
6	Benzene expansion Janus GC base analogues: A detailed theoretical study. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 354, 119-126.	3.9	2
7	Conversion of ethyl levulinate to Î³â€valerolactone catalyzed by the new Zrâ€containing organicâ€“inorganic hybrid catalysts. Journal of the Chinese Chemical Society, 2018, 65, 1398-1406.	1.4	3
8	A porous inorganic zirconyl pyrophosphate as an efficient catalyst for the catalytic transfer hydrogenation of ethyl levulinate to Î³â€valerolactone. Journal of the Chinese Chemical Society, 2018, 65, 1370-1378.	1.4	3
9	Catalytic Aerobic Oxidation of Biomassâ€based Furfural into Maleic Acid in Aqueous Phase with Metalloporphyrin Catalysts. Journal of the Chinese Chemical Society, 2017, 64, 786-794.	1.4	23
10	Catalytic transfer hydrogenation of ethyl levulinate to Î³-valerolactone over a novel porous Zirconium trimetaphosphate. Molecular Catalysis, 2017, 442, 107-114.	2.0	35
11	Catalytic transfer hydrogenation of ethyl levulinate to Î³-valerolactone over zirconium (IV) Schiff base complexes on mesoporous silica with isopropanol as hydrogen source. Molecular Catalysis, 2017, 441, 168-178.	2.0	24
12	Optical absorption and emission properties of benzene-expanded Janus AT nucleobase analogues: A DFT study. Structural Chemistry, 2016, 27, 1175-1187.	2.0	4
13	Theoretical study on absorption and emission spectra of pyrrolo-C analogues. Journal of Molecular Structure, 2015, 1079, 321-326.	3.6	5
14	Theoretical study on absorption and emission spectra of size-expanded Janus-type AT nucleobases and effect of base pairing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 670-677.	3.9	12
15	Theoretical study on absorption and emission spectra of adenine analogues. Journal of Molecular Modeling, 2014, 20, 2100.	1.8	8
16	Catalytic conversion of fructose and sucrose to 5-hydroxymethylfurfural using simple ionic liquid/DMF binary reaction media. Catalysis Communications, 2013, 42, 89-92.	3.3	18
17	A DFT study of hydrogen bond interactions between oxidative 2â€²-deoxyadenosine nucleotides and RNA nucleotides. Structural Chemistry, 2013, 24, 559-571.	2.0	4
18	Theoretical study on the interaction of glutathione with group IA (Li+, Na+, K+), IIA (Be2+, Mg2+, Ca2+), and IIIA (Al3+) metal cations. Structural Chemistry, 2013, 24, 251-261.	2.0	26

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19	Efficient process for the direct transformation of cellulose and carbohydrates to 5-(hydroxymenthyl)furfural with dual-core sulfonic acid ionic liquids and co-catalysts. RSC Advances, 2013, 3, 7782.	3.6	36
20	The effect of zinc ion on the absorption and emission spectra of glutathione derivative: Predication by ab initio and DFT methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 307-313.	3.9	3
21	Thermodynamic Properties of Binary Mixtures of the Amino Acid Ionic Liquids [Bmim][Glu] or [Bmim][Gly] with Methanol at T=298.15 to 313.15 K. Journal of Solution Chemistry, 2012, 41, 173-186.	1.2	19
22	A study of aromatic three membered rings. International Journal of Quantum Chemistry, 2011, 111, 1031-1038.	2.0	21
23	Ab Initio Theoretical Study of the Interactions Between CFCl3 and SO2. Bulletin of Environmental Contamination and Toxicology, 2010, 84, 170-174.	2.7	6
24	MP2 Study on the Stacking Interactions Between 2-Hydroxyadenine and Four DNA Bases. Journal of Solution Chemistry, 2010, 39, 770-777.	1.2	3
25	DFT Calculations on Hydrogen-Bonded Complexes Formed Between Guanine and Acrylamide. Journal of Solution Chemistry, 2010, 39, 1341-1349.	1.2	9
26	MP2 study on the hydrogen-bonding interactions between 4-thiouracil and four RNA bases. Structural Chemistry, 2010, 21, 99-105.	2.0	9
27	The effect of oxidation on the stability of G:C base pair: a MP2 study. Structural Chemistry, 2010, 21, 931-937.	2.0	10
28	Densities and volumetric properties of binary mixtures of amino acid ionic liquid [bmim][Glu] or [bmim][Gly] with benzylalcohol at T=(298.15 to 313.15)K. Journal of Chemical Thermodynamics, 2010, 42, 640-645.	2.0	23
29	Thermodynamic Properties of the Binary Mixtures of 1,2-Dichloroethane with Chlorobenzene and Bromobenzene from (298.15 to 313.15) K. Journal of Chemical & Engineering Data, 2010, 55, 4541-4545.	1.9	17
30	Hydrogen-bonding interaction of 5,6-dihydrouracil with RNA bases: DFT and MP2 studies. Computational and Theoretical Chemistry, 2009, 915, 33-37.	1.5	1
31	Hydrogen-Bonding Interaction in a Complex of Amino Acid with N,N-Dimethylformamide Studied by DFT Calculations. Journal of Solution Chemistry, 2009, 38, 303-313.	1.2	12
32	Density Functional Theory Study of the Ionic Liquid [emim]OH and Complexes [emim]OH(H2O) n Â(n=1,2). Journal of Solution Chemistry, 2009, 38, 1139-1154.	1.2	34
33	The nitrogen position effect on the selectivity of diazacrown ethers to metal ion. Computational and Theoretical Chemistry, 2009, 910, 163-168.	1.5	4
34	Volumetric properties of dichloromethane with aniline or nitrobenzene at different temperatures: A theoretical and experimental study. Journal of Chemical Thermodynamics, 2009, 41, 315-322.	2.0	40
35	Densities and volumetric properties of binary mixtures of the ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate with benzaldehyde at T=(298.15 to 313.15)K. Journal of Chemical Thermodynamics, 2009, 41, 888-892.	2.0	50
36	Volumetric properties of binary liquid mixtures: Application of the Prigogineâ€“Floryâ€“Patterson theory to excess molar volumes of dichloromethane with benzene or toluene. Journal of Chemical Thermodynamics, 2009, 41, 1154-1161.	2.0	13

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37	Ab initio and DFT theory studies of interaction of thymine with formaldehyde. Structural Chemistry, 2008, 19, 843-847.	2.0	8
38	Self-assembly of DMF with chloromethane and their structures: a theoretical study. Structural Chemistry, 2008, 19, 949-957.	2.0	5
39	DFT and MP2 investigations on the interaction of furan homologues C4H4Y (Y=O, S) with BX3 (X=H, F,) Tj ETQq1 1 0.784314 rgBT /Ov	1.5	2
40	Planar mono-, di- aza- and phospha-naphthalene: Structure and aromaticity. International Journal of Quantum Chemistry, 2007, 107, 1846-1855.	2.0	9
41	The theoretical study of aromaticity in N-heteroatom compounds. Structural Chemistry, 2007, 18, 593-597.	2.0	14
42	A Theoretical Study of the Interaction Between Cytosine and BX3 (X = F, Cl) Systems. Journal of Solution Chemistry, 2007, 36, 549-561.	1.2	2
43	A study of densities and volumetric properties of binary mixtures containing nitrobenzene at T=(293.15) Tj ETQq1 1 0.784314 rgBT /Ov	2.0	18
44	Volumetric properties of ternary pseudo-binary mixtures at the temperature 298.15 K. II. {(Benzene+) Tj ETQq0 0 0 rgBT /Overlock 10 T Journal of Chemical Thermodynamics, 2000, 32, 963-972.	2.0	11