

Haijun Wang

List of Publications by Year in descending order

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44
papers

585
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623734

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677142

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44
times ranked

741
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 888-892. | 2.0 | 50 |
| 2 | Volumetric properties of dichloromethane with aniline or nitrobenzene at different temperatures: A theoretical and experimental study. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 315-322. | 2.0 | 40 |
| 3 | Efficient process for the direct transformation of cellulose and carbohydrates to 5-(hydroxymethyl)furfural with dual-core sulfonic acid ionic liquids and co-catalysts. <i>RSC Advances</i> , 2013, 3, 7782. | 3.6 | 36 |
| 4 | Catalytic transfer hydrogenation of ethyl levulinate to γ -valerolactone over a novel porous Zirconium trimetaphosphate. <i>Molecular Catalysis</i> , 2017, 442, 107-114. | 2.0 | 35 |
| 5 | Density Functional Theory Study of the Ionic Liquid [emim]OH and Complexes [emim]OH(H ₂ O) _n (n=1,2). <i>Journal of Solution Chemistry</i> , 2009, 38, 1139-1154. | 1.2 | 34 |
| 6 | Theoretical study on the interaction of glutathione with group IA (Li ⁺ , Na ⁺ , K ⁺), IIA (Be ²⁺ , Mg ²⁺ , Ca ²⁺), and IIIA (Al ³⁺) metal cations. <i>Structural Chemistry</i> , 2013, 24, 251-261. | 2.0 | 26 |
| 7 | Catalytic transfer hydrogenation of ethyl levulinate to γ -valerolactone over zirconium (IV) Schiff base complexes on mesoporous silica with isopropanol as hydrogen source. <i>Molecular Catalysis</i> , 2017, 441, 168-178. | 2.0 | 24 |
| 8 | 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. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 640-645. | 2.0 | 23 |
| 9 | Catalytic Aerobic Oxidation of Biomass-based Furfural into Maleic Acid in Aqueous Phase with Metalloporphyrin Catalysts. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 786-794. | 1.4 | 23 |
| 10 | A study of aromatic three membered rings. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1031-1038. | 2.0 | 21 |
| 11 | 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. <i>Journal of Solution Chemistry</i> , 2012, 41, 173-186. | 1.2 | 19 |
| 12 | A study of densities and volumetric properties of binary mixtures containing nitrobenzene at T=(293.15) K. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 1031-1038. | 2.0 | 18 |
| 13 | Catalytic conversion of fructose and sucrose to 5-hydroxymethylfurfural using simple ionic liquid/DMF binary reaction media. <i>Catalysis Communications</i> , 2013, 42, 89-92. | 3.3 | 18 |
| 14 | Thermodynamic Properties of the Binary Mixtures of 1,2-Dichloroethane with Chlorobenzene and Bromobenzene from (298.15 to 313.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4541-4545. | 1.9 | 17 |
| 15 | The theoretical study of aromaticity in N-heteroatom compounds. <i>Structural Chemistry</i> , 2007, 18, 593-597. | 2.0 | 14 |
| 16 | Volumetric properties of binary liquid mixtures: Application of the Prigogine-Flory-Patterson theory to excess molar volumes of dichloromethane with benzene or toluene. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 1154-1161. | 2.0 | 13 |
| 17 | Porous Organic Zirconium Phosphonate as Efficient Catalysts for the Catalytic Transfer Hydrogenation of Ethyl Levulinate to γ -Valerolactone without External Hydrogen. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 750-759. | 1.4 | 13 |
| 18 | Hydrogen-Bonding Interaction in a Complex of Amino Acid with N,N-Dimethylformamide Studied by DFT Calculations. <i>Journal of Solution Chemistry</i> , 2009, 38, 303-313. | 1.2 | 12 |

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|----|--|-----|-----------|
| 19 | Theoretical study on absorption and emission spectra of size-expanded Janus-type AT nucleobases and effect of base pairing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 670-677. | 3.9 | 12 |
| 20 | 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 |
| 21 | Catalytic transfer hydrogenation of furfural into furfuryl alcohol over Ni ²⁺ /Fe ³⁺ -layered double hydroxide catalysts. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1610-1618. | 1.4 | 11 |
| 22 | The effect of oxidation on the stability of G:C base pair: a MP2 study. <i>Structural Chemistry</i> , 2010, 21, 931-937. | 2.0 | 10 |
| 23 | A novel synthesis of zirconium tannate with high stability: new insight into the structure of the catalyst for hydrogenation. <i>Applied Catalysis A: General</i> , 2020, 602, 117666. | 4.3 | 10 |
| 24 | Planar mono-, di- aza- and phospho-naphthalene: Structure and aromaticity. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 1846-1855. | 2.0 | 9 |
| 25 | DFT Calculations on Hydrogen-Bonded Complexes Formed Between Guanine and Acrylamide. <i>Journal of Solution Chemistry</i> , 2010, 39, 1341-1349. | 1.2 | 9 |
| 26 | MP2 study on the hydrogen-bonding interactions between 4-thiouracil and four RNA bases. <i>Structural Chemistry</i> , 2010, 21, 99-105. | 2.0 | 9 |
| 27 | Ab initio and DFT theory studies of interaction of thymine with formaldehyde. <i>Structural Chemistry</i> , 2008, 19, 843-847. | 2.0 | 8 |
| 28 | Theoretical study on absorption and emission spectra of adenine analogues. <i>Journal of Molecular Modeling</i> , 2014, 20, 2100. | 1.8 | 8 |
| 29 | Ab Initio Theoretical Study of the Interactions Between CFCl ₃ and SO ₂ . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010, 84, 170-174. | 2.7 | 6 |
| 30 | Self-assembly of DMF with chloromethane and their structures: a theoretical study. <i>Structural Chemistry</i> , 2008, 19, 949-957. | 2.0 | 5 |
| 31 | Theoretical study on absorption and emission spectra of pyrrolo-C analogues. <i>Journal of Molecular Structure</i> , 2015, 1079, 321-326. | 3.6 | 5 |
| 32 | The nitrogen position effect on the selectivity of diazacrown ethers to metal ion. <i>Computational and Theoretical Chemistry</i> , 2009, 910, 163-168. | 1.5 | 4 |
| 33 | A DFT study of hydrogen bond interactions between oxidative 2 ^{deoxy} -deoxyadenosine nucleotides and RNA nucleotides. <i>Structural Chemistry</i> , 2013, 24, 559-571. | 2.0 | 4 |
| 34 | Optical absorption and emission properties of benzene-expanded Janus AT nucleobase analogues: A DFT study. <i>Structural Chemistry</i> , 2016, 27, 1175-1187. | 2.0 | 4 |
| 35 | MP2 Study on the Stacking Interactions Between 2-Hydroxyadenine and Four DNA Bases. <i>Journal of Solution Chemistry</i> , 2010, 39, 770-777. | 1.2 | 3 |
| 36 | The effect of zinc ion on the absorption and emission spectra of glutathione derivative: Predication by ab initio and DFT methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 307-313. | 3.9 | 3 |

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|----|--|-----|-----------|
| 37 | Conversion of ethyl levulinate to β -valerolactone catalyzed by the new Zr-containing organic-inorganic hybrid catalysts. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 1398-1406. | 1.4 | 3 |
| 38 | A porous inorganic zirconyl pyrophosphate as an efficient catalyst for the catalytic transfer hydrogenation of ethyl levulinate to β -valerolactone. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 1370-1378. | 1.4 | 3 |
| 39 | Study on the mechanism of furfural to maleic acid oxidized by hydrogen peroxide in formic acid solution. <i>Journal of Theoretical and Computational Chemistry</i> , 2020, 19, 2050019. | 1.8 | 3 |
| 40 | DFT and MP2 investigations on the interaction of furan homologues C ₄ H ₄ Y (Y=O, S) with BX ₃ (X=H, F, Cl). <i>Journal of Theoretical and Computational Chemistry</i> , 2015, 14, 1000010. | 1.5 | 2 |
| 41 | A Theoretical Study of the Interaction Between Cytosine and BX ₃ (X = F, Cl) Systems. <i>Journal of Solution Chemistry</i> , 2007, 36, 549-561. | 1.2 | 2 |
| 42 | Benzene expansion Janus GC base analogues: A detailed theoretical study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 354, 119-126. | 3.9 | 2 |
| 43 | Zirconium-Gallic Acid Coordination Polymer: Catalytic Transfer Hydrogenation of Levulinic Acid and Its Esters into β -Valerolactone. <i>Catalysis Letters</i> , 2022, 152, 1286-1297. | 2.6 | 2 |
| 44 | Hydrogen-bonding interaction of 5,6-dihydrouracil with RNA bases: DFT and MP2 studies. <i>Computational and Theoretical Chemistry</i> , 2009, 915, 33-37. | 1.5 | 1 |