Chen Liu

List of Publications by Year
in descending order

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63	1,315	331670 21	377865 34
papers	citations	h-index	g-index

63	63	63	1798
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism of Lignin Dissolution and Regeneration in Ionic Liquid. Energy & Fuels, 2012, 26, 6393-6403.	5.1	90
2	Metal-Free Three-Component Oxyazidation of Alkenes with Trimethylsilyl Azide and N-Hydroxyphthalimide. Journal of Organic Chemistry, 2015, 80, 290-295.	3.2	83
3	Catalyst-Controlled Dioxygenation of Olefins: An Approach to Peroxides, Alcohols, and Ketones. Journal of Organic Chemistry, 2015, 80, 5572-5580.	3.2	67
4	Fabrication of a Z-Scheme {001}/{110} Facet Heterojunction in BiOCl to Promote Spatial Charge Separation. ACS Applied Materials & Interfaces, 2020, 12, 31532-31541.	8.0	67
5	A facile approach for the synthesis of Z-scheme photocatalyst ZIF-8/g-C₃N₄ with highly enhanced photocatalytic activity under simulated sunlight. New Journal of Chemistry, 2018, 42, 12180-12187.	2.8	66
6	Novel magnetic lignin composite sorbent for chromium(<scp>vi</scp>) adsorption. RSC Advances, 2015, 5, 13028-13035.	3.6	65
7	Silver-Catalyzed Decarboxylative Addition/Cyclization of Activated Alkenes with Aliphatic Carboxylic Acids. Journal of Organic Chemistry, 2016, 81, 1277-1284.	3.2	60
8	Densities, Viscosities, and Refractive Properties of the Binary Mixtures of the Amino Acid Ionic Liquid [bmim][Ala] with Methanol or Benzylalcohol at T = (298.15 to 313.15) K. Journal of Chemical & Engineering Data, 2011, 56, 2877-2883.	1.9	49
9	Porous Zrâ€“Thiophenedicarboxylate Hybrid for Catalytic Transfer Hydrogenation of Bio-Based Furfural to Furfuryl Alcohol. Catalysis Letters, 2019, 149, 1845-1855.	2.6	41
10	Conversion of glucose into 5-hydroxymethylfurfural catalyzed by chromium(<scp>iii</scp>) Schiff base complexes and acidic ionic liquids immobilized on mesoporous silica. RSC Advances, 2015, 5, 60736-60744.	3.6	40
11	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
12	Catalytic transfer hydrogenation of ethyl levulinate to Î³-valerolactone over a novel porous Zirconium trimetaphosphate. Molecular Catalysis, 2017, 442, 107-114.	2.0	35
13	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
14	Copper-catalyzed Câ€“H alkylation of 8-aminoquinolines via 8-amide chelation assistance. RSC Advances, 2015, 5, 28892-28895.	3.6	28
15	Fabrication of a Three-Dimensional Bionic Si/TiO₂/MoS₂ Photoelectrode for Efficient Solar Water Splitting. ACS Applied Energy Materials, 2021, 4, 730-736.	5.1	27
16	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
17	Palladium-catalyzed radical cascade difluoroalkylation/cyclization of acrylamide with ethyl difluorobromoacetate. RSC Advances, 2016, 6, 51703-51709.	3.6	26
18	A novel visible-light-driven ternary Ag@Ag₂O/BiOCl Z-scheme photocatalyst with enhanced removal efficiency of RhB. New Journal of Chemistry, 2019, 43, 13929-13937.	2.8	25

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19	Simultaneous determination of ascorbic acid, dopamine, and uric acid based on double-walled carbon nanotubes/choline-modified electrode. Analytical Methods, 2013, 5, 2335.	2.7	23
20	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
21	A facile solvothermal approach for the synthesis of novel W-doped TiO₂ nanoparticles/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. New Journal of Chemistry, 2017, 41, 13382-13390.	2.8	22
22	Densities, Excess Molar Volumes, and Refractive Properties of the Binary Mixtures of the Amino Acid Ionic Liquid [bmim][Gly] with 1-Butanol or Isopropanol at T = (298.15 to 313.15) K. Journal of Chemical & Engineering Data, 2011, 56, 4295-4300.	1.9	21
23	Production of 5-Hydroxymethylfurfural from Mono- and Disaccharides in the Presence of Ionic Liquids. Catalysis Letters, 2014, 144, 252-260.	2.6	20
24	Effect of organic solvent and BrÃ¸nsted acid on 5-hydroxymethylfurfural preparation from glucose over CrCl₃. RSC Advances, 2015, 5, 27805-27813.	3.6	20
25	Conversion of Xylose into Furfural Catalyzed by Bifunctional Acidic Ionic Liquid Immobilized on the Surface of Magnetic Î³-Al2O3. Catalysis Letters, 2017, 147, 953-963.	2.6	20
26	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
27	Preparation and characterization of a water-resistant polyamide-oxidized starch-methyl methacrylate eco-friendly wood adhesive. International Journal of Biological Macromolecules, 2022, 194, 763-769.	7.5	19
28	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
29	The effect of methylation on the hydrogen-bonding and stacking interaction of nucleic acid bases. Structural Chemistry, 2013, 24, 55-65.	2.0	17
30	Polyethylene Glycol-400-Functionalized Dicationic Acidic Ionic Liquids for Highly Efficient Conversion of Fructose into 5-Hydroxymethylfurfural. Catalysis Letters, 2015, 145, 1080-1088.	2.6	15
31	The theoretical study of aromaticity in N-heteroatom compounds. Structural Chemistry, 2007, 18, 593-597.	2.0	14
32	Porous Zirconium Hydroxyphosphonoacetate: Catalyst for Conversion of Furfural into Furfuryl Alcohol. ChemistrySelect, 2019, 4, 8000-8006.	1.5	14
33	Catalytic dehydration of fructose to 5-hydroxymethylfurfural over a mesoscopically assembled sulfated zirconia nanoparticle catalyst inÂorganic solvent. RSC Advances, 2014, 4, 57164-57172.	3.6	13
34	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
35	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
36	Effect of Different Ionic Liquids on 5â€Hydroxymethylfurfural Preparation from Glucose in DMA over AlCl₃: Experimental and Theoretical Study. Chinese Journal of Chemistry, 2015, 33, 583-588.	4.9	11

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37	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
38	The effect of oxidation on the stability of G:C base pair: a MP2 study. Structural Chemistry, 2010, 21, 931-937.	2.0	10
39	Planar mono-, di- aza- and phospha-naphthalene: Structure and aromaticity. International Journal of Quantum Chemistry, 2007, 107, 1846-1855.	2.0	9
40	DFT Calculations on Hydrogen-Bonded Complexes Formed Between Guanine and Acrylamide. Journal of Solution Chemistry, 2010, 39, 1341-1349.	1.2	9
41	MP2 study on the hydrogen-bonding interactions between 4-thiouracil and four RNA bases. Structural Chemistry, 2010, 21, 99-105.	2.0	9
42	Ab initio and DFT theory studies of interaction of thymine with formaldehyde. Structural Chemistry, 2008, 19, 843-847.	2.0	8
43	Zr-DBS with Sulfonic Group: A Green and Highly Efficient Catalyst for Alcoholysis of Furfuryl Alcohol to Ethyl Levulinate. Catalysis Letters, 2021, 151, 2622-2630.	2.6	8
44	<scp>MCM</scp>â€41 Immobilized Acidic Functional Ionic Liquid and Chromium(<scp>III</scp>) Complexes Catalyzed Conversion of Hexose into 5â€Hydroxymethylfurfural. Chinese Journal of Chemistry, 2017, 35, 1739-1748.	4.9	7
45	New insights into the structure and catalytic performance of alizarinâ€“zirconium hybrids for Meerweinâ€“Ponndorfâ€“Verley reductions: first-principles approach. Sustainable Energy and Fuels, 2021, 5, 4069-4079.	4.9	7
46	Investigation of adsorption of surfactant at the air-water interface with quantum chemistry method. Science Bulletin, 2007, 52, 1451-1455.	1.7	6
47	Molecular simulation of model sulfated polysaccharides of low molecular weight from Ganoderma lucidum and their interaction with human serum albumin. Structural Chemistry, 2014, 25, 1423-1435.	2.0	6
48	Liquid Solution Densities of Ternary-Pseudobinary Mixtures of (Benzene + Cyclohexane) in the Presence of Tetrachloromethane or n-Hexane. Journal of Solution Chemistry, 2005, 34, 823-837.	1.2	5
49	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
50	Optical absorption and emission properties of benzene-expanded Janus AT nucleobase analogues: A DFT study. Structural Chemistry, 2016, 27, 1175-1187.	2.0	4
51	Zirconium tripolyphosphate as an efficient catalyst for the hydrogenation of ethyl levulinate to Î³-valerolactone with isopropanol as hydrogen donor. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 71-84.	1.7	4
52	Densities and Excess Molar Volumes of (Benzene + Propionitrile) in the Presence of Chloroform or Carbon Tetrachloride at the Temperature 298.15 K. Journal of Solution Chemistry, 2004, 33, 1295-1304.	1.2	3
53	Effects of the Presence of Cyclohexane or Methylcyclohexane on the Densities and Volumetric Properties of the Mixture (Benzene + Propionitrile). Journal of Solution Chemistry, 2005, 34, 375-385.	1.2	3
54	Volumetric Properties of Ternary-Pseudobinary Mixtures Containing Benzene and Cyclohexane. Journal of Solution Chemistry, 2005, 34, 1067-1080.	1.2	3

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55	MP2 Study on the Stacking Interactions Between 2-Hydroxyadenine and Four DNA Bases. Journal of Solution Chemistry, 2010, 39, 770-777.	1.2	3
56	Entangled Cu Complex Over Fe3O4@SiO2 as Supported Catalyst for Synthesis of Alkenyl Nitriles with Aromatic Aldehydes and Acetonitrile. Catalysis Letters, 2015, 145, 2046-2054.	2.6	3
57	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
58	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
59	Quercetin-Zirconium: A Green and Highly Efficient Catalyst for the Meerweinâ€“Ponndorfâ€“Verley Reduction of Furfural. Catalysis Letters, 2023, 153, 720-731.	2.6	3
60	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
61	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
62	Novel Sulfonic Acid Polystyrene Microspheres for Alcoholysis of Furfuryl Alcohol to Ethyl Levulinate. Catalysis Letters, 2022, 152, 3158-3167.	2.6	2
63	Polyamide-formaldehyde resin as a low-toxic adhesive for wood bonding. Journal of Adhesion Science and Technology, 0, , 1-14.	2.6	0