

# Chen Liu

## List of Publications by Year in descending order

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63  
papers

1,315  
citations

331670

21  
h-index

377865

34  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quercetin-Zirconium: A Green and Highly Efficient Catalyst for the Meerwein-Ponndorf-Verley Reduction of Furfural. <i>Catalysis Letters</i> , 2023, 153, 720-731.	2.6	3
2	Zirconium-Gallic Acid Coordination Polymer: Catalytic Transfer Hydrogenation of Levulinic Acid and Its Esters into $\gamma$ -Valerolactone. <i>Catalysis Letters</i> , 2022, 152, 1286-1297.	2.6	2
3	Preparation and characterization of a water-resistant polyamide-oxidized starch-methyl methacrylate eco-friendly wood adhesive. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 763-769.	7.5	19
4	Novel Sulfonic Acid Polystyrene Microspheres for Alcoholysis of Furfuryl Alcohol to Ethyl Levulinate. <i>Catalysis Letters</i> , 2022, 152, 3158-3167.	2.6	2
5	New insights into the structure and catalytic performance of alizarin-zirconium hybrids for Meerwein-Ponndorf-Verley reductions: first-principles approach. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4069-4079.	4.9	7
6	Zr-DBS with Sulfonic Group: A Green and Highly Efficient Catalyst for Alcoholysis of Furfuryl Alcohol to Ethyl Levulinate. <i>Catalysis Letters</i> , 2021, 151, 2622-2630.	2.6	8
7	Fabrication of a Three-Dimensional Bionic $\text{Si/TiO}_2/\text{MoS}_2$ Photoelectrode for Efficient Solar Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 730-736.	5.1	27
8	Fabrication of a Z-Scheme {001}/{110} Facet Heterojunction in BiOCl to Promote Spatial Charge Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31532-31541.	8.0	67
9	A novel visible-light-driven ternary $\text{Ag@Ag}_2\text{O/BiOCl}$ Z-scheme photocatalyst with enhanced removal efficiency of RhB. <i>New Journal of Chemistry</i> , 2019, 43, 13929-13937.	2.8	25
10	Porous Zirconium Hydroxyphosphonoacetate: Catalyst for Conversion of Furfural into Furfuryl Alcohol. <i>ChemistrySelect</i> , 2019, 4, 8000-8006.	1.5	14
11	Porous Zr-Thiophenedicarboxylate Hybrid for Catalytic Transfer Hydrogenation of Bio-Based Furfural to Furfuryl Alcohol. <i>Catalysis Letters</i> , 2019, 149, 1845-1855.	2.6	41
12	Catalytic transfer hydrogenation of furfural into furfuryl alcohol over Ni-Fe layered double hydroxide catalysts. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1610-1618.	1.4	11
13	Porous Organic Zirconium Phosphonate as Efficient Catalysts for the Catalytic Transfer Hydrogenation of Ethyl Levulinate to $\gamma$ -Valerolactone without External Hydrogen. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 750-759.	1.4	13
14	Zirconium tripolyphosphate as an efficient catalyst for the hydrogenation of ethyl levulinate to $\gamma$ -valerolactone with isopropanol as hydrogen donor. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 125, 71-84.	1.7	4
15	Conversion of ethyl levulinate to $\gamma$ -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
16	A facile approach for the synthesis of Z-scheme photocatalyst $\text{ZIF-8/g-C}_3\text{N}_4$ with highly enhanced photocatalytic activity under simulated sunlight. <i>New Journal of Chemistry</i> , 2018, 42, 12180-12187.	2.8	66
17	A porous inorganic zirconyl pyrophosphate as an efficient catalyst for the catalytic transfer hydrogenation of ethyl levulinate to $\gamma$ -valerolactone. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 1370-1378.	1.4	3
18	Conversion of Xylose into Furfural Catalyzed by Bifunctional Acidic Ionic Liquid Immobilized on the Surface of Magnetic $\gamma$ - $\text{Al}_2\text{O}_3$ . <i>Catalysis Letters</i> , 2017, 147, 953-963.	2.6	20

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19	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
20	Catalytic transfer hydrogenation of ethyl levulinate to $\gamma$ -valerolactone over a novel porous Zirconium trimetaphosphate. <i>Molecular Catalysis</i> , 2017, 442, 107-114.	2.0	35
21	A facile solvothermal approach for the synthesis of novel W-doped TiO <sub>2</sub> nanoparticles/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. <i>New Journal of Chemistry</i> , 2017, 41, 13382-13390.	2.8	22
22	MCM-41 Immobilized Acidic Functional Ionic Liquid and Chromium(III) Complexes Catalyzed Conversion of Hexose into 5-Hydroxymethylfurfural. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1739-1748.	4.9	7
23	Palladium-catalyzed radical cascade difluoroalkylation/cyclization of acrylamide with ethyl difluorobromoacetate. <i>RSC Advances</i> , 2016, 6, 51703-51709.	3.6	26
24	Silver-Catalyzed Decarboxylative Addition/Cyclization of Activated Alkenes with Aliphatic Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2016, 81, 1277-1284.	3.2	60
25	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
26	Effect of Different Ionic Liquids on 5-Hydroxymethylfurfural Preparation from Glucose in DMA over AlCl <sub>3</sub> : Experimental and Theoretical Study. <i>Chinese Journal of Chemistry</i> , 2015, 33, 583-588.	4.9	11
27	Polyethylene Glycol-400-Functionalized Dicationic Acidic Ionic Liquids for Highly Efficient Conversion of Fructose into 5-Hydroxymethylfurfural. <i>Catalysis Letters</i> , 2015, 145, 1080-1088.	2.6	15
28	Novel magnetic lignin composite sorbent for chromium(VI) adsorption. <i>RSC Advances</i> , 2015, 5, 13028-13035.	3.6	65
29	Effect of organic solvent and Brønsted acid on 5-hydroxymethylfurfural preparation from glucose over CrCl <sub>3</sub> . <i>RSC Advances</i> , 2015, 5, 27805-27813.	3.6	20
30	Conversion of glucose into 5-hydroxymethylfurfural catalyzed by chromium(III) Schiff base complexes and acidic ionic liquids immobilized on mesoporous silica. <i>RSC Advances</i> , 2015, 5, 60736-60744.	3.6	40
31	Catalyst-Controlled Dioxygenation of Olefins: An Approach to Peroxides, Alcohols, and Ketones. <i>Journal of Organic Chemistry</i> , 2015, 80, 5572-5580.	3.2	67
32	Copper-catalyzed C-H alkylation of 8-aminoquinolines via 8-amide chelation assistance. <i>RSC Advances</i> , 2015, 5, 28892-28895.	3.6	28
33	Entangled Cu Complex Over Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> as Supported Catalyst for Synthesis of Alkenyl Nitriles with Aromatic Aldehydes and Acetonitrile. <i>Catalysis Letters</i> , 2015, 145, 2046-2054.	2.6	3
34	Metal-Free Three-Component Oxyazidation of Alkenes with Trimethylsilyl Azide and <i>N</i> -Hydroxyphthalimide. <i>Journal of Organic Chemistry</i> , 2015, 80, 290-295.	3.2	83
35	Catalytic dehydration of fructose to 5-hydroxymethylfurfural over a mesoscopically assembled sulfated zirconia nanoparticle catalyst in organic solvent. <i>RSC Advances</i> , 2014, 4, 57164-57172.	3.6	13
36	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

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37	Production of 5-Hydroxymethylfurfural from Mono- and Disaccharides in the Presence of Ionic Liquids. <i>Catalysis Letters</i> , 2014, 144, 252-260.	2.6	20
38	Molecular simulation of model sulfated polysaccharides of low molecular weight from <i>Ganoderma lucidum</i> and their interaction with human serum albumin. <i>Structural Chemistry</i> , 2014, 25, 1423-1435.	2.0	6
39	Simultaneous determination of ascorbic acid, dopamine, and uric acid based on double-walled carbon nanotubes/choline-modified electrode. <i>Analytical Methods</i> , 2013, 5, 2335.	2.7	23
40	A DFT study of hydrogen bond interactions between oxidative 2'-deoxyadenosine nucleotides and RNA nucleotides. <i>Structural Chemistry</i> , 2013, 24, 559-571.	2.0	4
41	Theoretical study on the interaction of glutathione with group IA (Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> ), IIA (Be <sup>2+</sup> , Mg <sup>2+</sup> , Ca <sup>2+</sup> ), and IIIA (Al <sup>3+</sup> ) metal cations. <i>Structural Chemistry</i> , 2013, 24, 251-261.	2.0	26
42	The effect of methylation on the hydrogen-bonding and stacking interaction of nucleic acid bases. <i>Structural Chemistry</i> , 2013, 24, 55-65.	2.0	17
43	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
44	Mechanism of Lignin Dissolution and Regeneration in Ionic Liquid. <i>Energy &amp; Fuels</i> , 2012, 26, 6393-6403.	5.1	90
45	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
46	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 $T = (298.15 \text{ to } 313.15) \text{ K}$ . <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4295-4300.	1.9	21
47	Densities, Viscosities, and Refractive Properties of the Binary Mixtures of the Amino Acid Ionic Liquid [bmim][Ala] with Methanol or Benzylalcohol at $T = (298.15 \text{ to } 313.15) \text{ K}$ . <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 2877-2883.	1.9	49
48	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
49	DFT Calculations on Hydrogen-Bonded Complexes Formed Between Guanine and Acrylamide. <i>Journal of Solution Chemistry</i> , 2010, 39, 1341-1349.	1.2	9
50	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
51	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
52	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 &amp; Engineering Data</i> , 2010, 55, 4541-4545.	1.9	17
53	Density Functional Theory Study of the Ionic Liquid [emim]OH and Complexes [emim]OH(H <sub>2</sub> O) <sub>n</sub> (n=1,2). <i>Journal of Solution Chemistry</i> , 2009, 38, 1139-1154.	1.2	34
54	Ab initio and DFT theory studies of interaction of thymine with formaldehyde. <i>Structural Chemistry</i> , 2008, 19, 843-847.	2.0	8

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55	Planar mono-, di-aza- and phospho-naphthalene: Structure and aromaticity. International Journal of Quantum Chemistry, 2007, 107, 1846-1855.	2.0	9
56	The theoretical study of aromaticity in N-heteroatom compounds. Structural Chemistry, 2007, 18, 593-597.	2.0	14
57	A Theoretical Study of the Interaction Between Cytosine and BX <sub>3</sub> (X = F, Cl) Systems. Journal of Solution Chemistry, 2007, 36, 549-561.	1.2	2
58	Investigation of adsorption of surfactant at the air-water interface with quantum chemistry method. Science Bulletin, 2007, 52, 1451-1455.	1.7	6
59	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
60	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
61	Volumetric Properties of Ternary-Pseudobinary Mixtures Containing Benzene and Cyclohexane. Journal of Solution Chemistry, 2005, 34, 1067-1080.	1.2	3
62	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
63	Polyamide-formaldehyde resin as a low-toxic adhesive for wood bonding. Journal of Adhesion Science and Technology, 0, , 1-14.	2.6	0