

Yong Liu

List of Publications by Year in descending order

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37
papers

4,476
citations

471509

17
h-index

330143

37
g-index

37
all docs

37
docs citations

37
times ranked

7589
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics Study of the Esterification Reaction of Cyclohexene to Cyclohexyl Acetate Catalyzed by Novel Brønsted-Lewis Acids Bifunctionalized Heteropolyacid Based Ionic Liquids Hybrid Solid Acid Catalysts. <i>Catalysis Letters</i> , 2022, 152, 75-86.	2.6	10
2	Solvent-free self-assembly synthesis of N-doped ordered mesoporous carbons as effective and bifunctional materials for CO ₂ capture and oxygen reduction reaction. <i>Chemical Engineering Journal</i> , 2022, 427, 130878.	12.7	31
3	An improved Stober method towards iron and nitrogen co-doped porous carbon spheres for oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 3771-3780.	7.1	7
4	In Situ Synthesis of Fe-N Co-doped Porous Carbon Nanospheres by Extended Stober Method for Oxygen Reduction in Both Alkaline and Acidic Media. <i>ChemElectroChem</i> , 2022, 9, .	3.4	2
5	Poly(ionic liquids) derived N, S co-doped carbon nanorod from in situ and template-free method as an efficient metal-free bifunctional electrocatalysts for direct methanol fuel cells. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165261.	5.5	12
6	Preparation of three-dimensional Fe-N co-doped open-porous carbon networks as an efficient ORR electrocatalyst in both alkaline and acidic media. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18364-18375.	7.1	37
7	Developing Brønsted-Lewis acids bifunctionalized ionic liquids based heteropolyacid hybrid as high-efficient solid acids in esterification and biomass conversion. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 92, 200-209.	5.8	18
8	An electrochemical aptasensor for lead ion detection based on catalytic hairpin assembly and porous carbon supported platinum as signal amplification. <i>RSC Advances</i> , 2020, 10, 6647-6653.	3.6	19
9	Reversible Chemical Absorption of CO ₂ in Polyethylenimine Supported by Low-Viscous Tetrabutylphosphonium 2-Fluorophenolate. <i>Energy & Fuels</i> , 2020, 34, 3493-3500.	5.1	7
10	Design of Highly Nitrogen-Doped, Two-Dimensional Hierarchical Porous Carbons with Superior Performance for Selective Capture of CO ₂ and SO ₂ . <i>Energy & Fuels</i> , 2020, 34, 3557-3565.	5.1	10
11	Soybean straw biomass-derived Fe-N co-doped porous carbon as an efficient electrocatalyst for oxygen reduction in both alkaline and acidic media. <i>RSC Advances</i> , 2020, 10, 6763-6771.	3.6	46
12	Design of nitrogen-doped graphitized 2D hierarchical porous carbons as efficient solid base catalysts for transesterification to biodiesel. <i>Green Chemistry</i> , 2020, 22, 903-912.	9.0	26
13	A novel honeycomb Fe-N-C composition derived from wheat flour as an efficiency catalyst for the oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1105-1112.	2.5	9
14	Enhanced Biosorption of Nickel Ions on Immobilized Surface-Engineered Yeast Using Nickel-Binding Peptides. <i>Frontiers in Microbiology</i> , 2019, 10, 1254.	3.5	14
15	Rational Design of Azole-Based Deep Eutectic Solvents for Highly Efficient and Reversible Capture of Ammonia. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14170-14179.	6.7	62
16	Effective Capture of Carbon Dioxide by Tetraethylenepentamine Assisted with 1-Ethyl-3-methylimidazolium Acetate: Experimental and Thermodynamic Analysis. <i>Energy & Fuels</i> , 2019, 33, 11399-11407.	5.1	3
17	Development of g-C ₃ N ₄ activated hollow carbon spheres with good performance for oxygen reduction and selective capture of acid gases. <i>Electrochimica Acta</i> , 2019, 324, 134869.	5.2	22
18	Synthesis of Highly Uniform N-Doped Porous Carbon Spheres Derived from Their Phenolic-Resin-Based Analogues for High Performance Supercapacitors. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2933-2944.	3.7	45

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19	Tuning Ion-Pair Interaction in Cuprous-Based Protic Ionic Liquids for Significantly Improved CO Capture. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11894-11900.	6.7	27
20	Effective and Reversible Capture of NH ₃ by Ethylamine Hydrochloride Plus Glycerol Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10552-10560.	6.7	80
21	Highly Efficient CO ₂ Capture by Polyethylenimine Plus 1-Ethyl-3-Methylimidazolium Acetate Mixed Absorbents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9369-9377.	6.7	40
22	Integrated Use of Maize Bran Residue for One-Step Phosphate Bio-Fertilizer Production. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1475-1487.	2.9	12
23	Efficient Hydrolysis of Cyclohexyl Acetate to Cyclohexanol Catalyzed by Dual-SO ₃ H-Functionalized Heteropolyacid-Based Solid Acids. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5207-5214.	3.7	23
24	Kinetics Study of the Transesterification Reaction of Methyl Acetate with Isooctyl Alcohol Catalyzed by Dicationic Heteropolyanion-Based Ionic Liquids. <i>Catalysis Letters</i> , 2018, 148, 144-153.	2.6	12
25	Electrocatalytic oxidation of methanol on Pt-Pd nanoparticles supported on honeycomb-like porous carbons in alkaline media. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 817-824.	2.5	16
26	Nitrogen-doped porous carbon sphere supported Pt nanoparticles for methanol and ethanol electro-oxidation in alkaline media. <i>RSC Advances</i> , 2018, 8, 36353-36359.	3.6	13
27	Scalable Preparation of Micro-Meso-Macroporous Polymeric Solid Acids Spheres From Controllable Sulfonation of Commercial XAD-4 Resin. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14080-14087.	3.7	7
28	Fe-N Co-doped Porous Carbon Derived from Ionic Liquids as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 15638-15646.	3.7	28
29	Synthesis of honeycomb-like mesoporous nitrogen-doped carbon nanospheres as Pt catalyst supports for methanol oxidation in alkaline media. <i>Applied Surface Science</i> , 2017, 407, 64-71.	6.1	61
30	Nitrogen-doped porous carbons supported Pt nanoparticles for methanol oxidation in alkaline medium. <i>Materials Letters</i> , 2016, 166, 16-18.	2.6	18
31	Carbon Aerogels Supported Pt Nanoparticles as Electrocatalysts for Methanol Oxidation in Alkaline Media. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 404-408.	1.4	6
32	Kinetics Study of the Esterification Reaction of Diethylene Glycol Monobutyl Ether with Acetic Acid Catalyzed by Heteropolyanion-Based Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14633-14640.	3.7	13
33	Pt nanoparticles supported on monodisperse carbon spheres for methanol oxidation in alkaline media. <i>Materials Letters</i> , 2013, 106, 287-289.	2.6	22
34	Kinetics of transesterification of methyl acetate and n-octanol catalyzed by cation exchange resins. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1039-1042.	2.7	7
35	Kinetic study of the direct hydration of turpentine. <i>Chemical Engineering Journal</i> , 2011, 168, 351-358.	12.7	36
36	Kinetics Study of Direct Hydration of Dihydromyrcene in a Jet Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3170-3175.	3.7	17

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37	Nitrogen-Doped Graphene as Efficient Metal-Free Electrocatalyst for Oxygen Reduction in Fuel Cells. ACS Nano, 2010, 4, 1321-1326.	14.6	3,658