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	Nitrogen-Doped Graphene as Efficient Metal-Free Electrocatalyst for Oxygen Reduction in Fuel Cells. ACS Nano, 2010, 4, 1321-1326.	14.6	3,658
2	Effective and Reversible Capture of NH₃ by Ethylamine Hydrochloride Plus Glycerol Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 10552-10560.	6.7	80
3	Rational Design of Azole-Based Deep Eutectic Solvents for Highly Efficient and Reversible Capture of Ammonia. ACS Sustainable Chemistry and Engineering, 2019, 7, 14170-14179.	6.7	62
4	Synthesis of honeycomb-like mesoporous nitrogen-doped carbon nanospheres as Pt catalyst supports for methanol oxidation in alkaline media. Applied Surface Science, 2017, 407, 64-71.	6.1	61
5	Soybean straw biomass-derived Feâ€“N co-doped porous carbon as an efficient electrocatalyst for oxygen reduction in both alkaline and acidic media. RSC Advances, 2020, 10, 6763-6771.	3.6	46
6	Synthesis of Highly Uniform N-Doped Porous Carbon Spheres Derived from Their Phenolic-Resin-Based Analogues for High Performance Supercapacitors. Industrial & Engineering Chemistry Research, 2019, 58, 2933-2944.	3.7	45
7	Highly Efficient CO₂ Capture by Polyethylenimine Plus 1-Ethyl-3-Methylimidazolium Acetate Mixed Absorbents. ACS Sustainable Chemistry and Engineering, 2019, 7, 9369-9377.	6.7	40
8	Preparation of three-dimensional Feâ€“N co-doped open-porous carbon networks as an efficient ORR electrocatalyst in both alkaline and acidic media. International Journal of Hydrogen Energy, 2021, 46, 18364-18375.	7.1	37
9	Kinetic study of the direct hydration of turpentine. Chemical Engineering Journal, 2011, 168, 351-358.	12.7	36
10	Solvent-free self-assembly synthesis of N-doped ordered mesoporous carbons as effective and bifunctional materials for CO2 capture and oxygen reduction reaction. Chemical Engineering Journal, 2022, 427, 130878.	12.7	31
11	Feâ€“N Co-doped Porous Carbon Derived from Ionic Liquids as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. Industrial & Engineering Chemistry Research, 2018, 57, 15638-15646.	3.7	28
12	Tuning Ion-Pair Interaction in Cuprous-Based Protic Ionic Liquids for Significantly Improved CO Capture. ACS Sustainable Chemistry and Engineering, 2019, 7, 11894-11900.	6.7	27
13	Design of nitrogen-doped graphitized 2D hierarchical porous carbons as efficient solid base catalysts for transesterification to biodiesel. Green Chemistry, 2020, 22, 903-912.	9.0	26
14	Efficient Hydrolysis of Cyclohexyl Acetate to Cyclohexanol Catalyzed by Dual-SO₃H-Functionalized Heteropolyacid-Based Solid Acids. Industrial & Engineering Chemistry Research, 2018, 57, 5207-5214.	3.7	23
15	Pt nanoparticles supported on monodisperse carbon spheres for methanol oxidation in alkaline media. Materials Letters, 2013, 106, 287-289.	2.6	22
16	Development of g-C3N4 activated hollow carbon spheres with good performance for oxygen reduction and selective capture of acid gases. Electrochimica Acta, 2019, 324, 134869.	5.2	22
17	An electrochemical aptasensor for lead ion detection based on catalytic hairpin assembly and porous carbon supported platinum as signal amplification. RSC Advances, 2020, 10, 6647-6653.	3.6	19
18	Nitrogen-doped porous carbons supported Pt nanoparticles for methanol oxidation in alkaline medium. Materials Letters, 2016, 166, 16-18.	2.6	18

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19	Developing BrÃ¸nstedâ€“Lewis acids bifunctionalized ionic liquids based heteropolyacid hybrid as high-efficient solid acids in esterification and biomass conversion. Journal of Industrial and Engineering Chemistry, 2020, 92, 200-209.	5.8	18
20	Kinetics Study of Direct Hydration of Dihydromyrcene in a Jet Reactor. Industrial & Engineering Chemistry Research, 2010, 49, 3170-3175.	3.7	17
21	Electrocatalytic oxidation of methanol on Pt-Pd nanoparticles supported on honeycomb-like porous carbons in alkaline media. Journal of Solid State Electrochemistry, 2018, 22, 817-824.	2.5	16
22	Enhanced Biosorption of Nickel Ions on Immobilized Surface-Engineered Yeast Using Nickel-Binding Peptides. Frontiers in Microbiology, 2019, 10, 1254.	3.5	14
23	Kinetics Study of the Esterification Reaction of Diethylene Glycol Monobutyl Ether with Acetic Acid Catalyzed by Heteropolyanion-Based Ionic Liquids. Industrial & Engineering Chemistry Research, 2014, 53, 14633-14640.	3.7	13
24	Nitrogen-doped porous carbon sphere supported Pt nanoparticles for methanol and ethanol electro-oxidation in alkaline media. RSC Advances, 2018, 8, 36353-36359.	3.6	13
25	Kinetics Study of the Transesterification Reaction of Methyl Acetate with Isooctyl Alcohol Catalyzed by Dicationic Heteropolyanion-Based Ionic Liquids. Catalysis Letters, 2018, 148, 144-153.	2.6	12
26	Integrated Use of Maize Bran Residue for One-Step Phosphate Bio-Fertilizer Production. Applied Biochemistry and Biotechnology, 2019, 187, 1475-1487.	2.9	12
27	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. Journal of Alloys and Compounds, 2022, 912, 165261.	5.5	12
28	Design of Highly Nitrogen-Doped, Two-Dimensional Hierarchical Porous Carbons with Superior Performance for Selective Capture of CO₂ and SO₂. Energy & Fuels, 2020, 34, 3557-3565.	5.1	10
29	Kinetics Study of the Esterification Reaction of Cyclohexene to Cyclohexyl Acetate Catalyzed by Novel BrÃ¸nstedâ€“Lewis Acids Bifunctionalized Heteropolyacid Based Ionic Liquids Hybrid Solid Acid Catalysts. Catalysis Letters, 2022, 152, 75-86.	2.6	10
30	A novel honeycomb Fe-N-C composition derived from wheat flour as an efficiency catalyst for the oxygen reduction reaction. Journal of Solid State Electrochemistry, 2020, 24, 1105-1112.	2.5	9
31	Kinetics of transesterification of methyl acetate and n-octanol catalyzed by cation exchange resins. Korean Journal of Chemical Engineering, 2013, 30, 1039-1042.	2.7	7
32	Scalable Preparation of Micro-Meso-Macroporous Polymeric Solid Acids Spheres From Controllable Sulfonation of Commercial XAD-4 Resin. Industrial & Engineering Chemistry Research, 2018, 57, 14080-14087.	3.7	7
33	Reversible Chemical Absorption of CO₂ in Polyethylenimine Supported by Low-Viscous Tetrabutylphosphonium 2-Fluorophenolate. Energy & Fuels, 2020, 34, 3493-3500.	5.1	7
34	An improved StÓ§ber method towards iron and nitrogen co-doped porous carbon spheres for oxygen reduction reaction in alkaline media. International Journal of Hydrogen Energy, 2022, 47, 3771-3780.	7.1	7
35	Carbon Aerogels Supported Pt Nanoparticles as Electrocatalysts for Methanol Oxidation in Alkaline Media. Journal of the Chinese Chemical Society, 2014, 61, 404-408.	1.4	6
36	Effective Capture of Carbon Dioxide by Tetraethylenepentamine Assisted with 1-Ethyl-3-methylimidazolium Acetate: Experimental and Thermodynamic Analysis. Energy & Fuels, 2019, 33, 11399-11407.	5.1	3

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37	In Situ Synthesis of Feâˆ'N Coâ€doped Porous Carbon Nanospheres by Extended StÃ¶ber Method for Oxygen Reduction in Both Alkaline and Acidic Media. ChemElectroChem, 2022, 9, .	3.4	2