

Yun Liu

List of Publications by Year in descending order

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63
papers

3,531
citations

236925

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133252

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docs citations

64
times ranked

6505
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and selective oxidation of furfural into high-value chemicals by cobalt and nitrogen co-doped carbon. <i>Canadian Journal of Chemical Engineering</i> , 2023, 101, 354-367.	1.7	4
2	Dual emissive amphiphilic carbon dots as ratiometric fluorescent probes for the determination of critical micelle concentration of surfactants. <i>Analytical Methods</i> , 2022, 14, 672-677.	2.7	7
3	Nitrogen-doped lignin-derived carbon for catalytic reduction of hexavalent chromium via HCOOH-mediated hydrogenation. <i>RSC Advances</i> , 2022, 12, 4550-4561.	3.6	4
4	Effect of Two-Step Formosolv Fractionation on the Structural Properties and Antioxidant Activity of Lignin. <i>Molecules</i> , 2022, 27, 2905.	3.8	2
5	Adatom Bonding Sites in a Nickel-Fe ₃ O ₄ (001) Single-Atom Model Catalyst and O ₂ Reactivity Unveiled by Surface Action Spectroscopy with Infrared Free-Electron Laser Light. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202202561.	13.8	6
6	One-Step Patterning of Organic Semiconductors on Gold Electrodes via Capillary-Bridge Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32761-32770.	8.0	4
7	Surface Action Spectroscopy: A Review and a Perspective on a New Technique to Study Vibrations at Surfaces. <i>Chemical Record</i> , 2021, 21, 1270-1283.	5.8	11
8	Surface oxygen Vacancies on Reduced Co ₃ O ₄ (100): Superoxide Formation and Ultra-Low Temperature CO Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16514-16520.	13.8	43
9	Surface oxygen Vacancies on Reduced Co ₃ O ₄ (100): Superoxide Formation and Ultra-Low Temperature CO Oxidation. <i>Angewandte Chemie</i> , 2021, 133, 16650-16656.	2.0	12
10	Deep Eutectic Solvent-Mediated Synthesis of Bullet-Shaped Cerium Zinc Oxide and Sheet-Like Cerium Zinc Hydroxide Nitrate: Colorimetric and Fluorometric Detection of Pyrophosphate Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15147-15156.	6.7	16
11	Engineering Lignin Nanoparticles Deposition on Melamine Sponge Skeleton for Absorbent and Flame Retardant Materials. <i>Waste and Biomass Valorization</i> , 2020, 11, 4561-4569.	3.4	14
12	Transcriptomics of Chinese Sapium Sebiferum (L.) Roxb seed to reveal key enzymes involved in oil accumulation. <i>Oil Crop Science</i> , 2020, 5, 107-113.	2.0	0
13	Amphiphilic Carbon Dots with Excitation-Independent Double-Emissions. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000146.	2.3	13
14	Elucidating Surface Structure with Action Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 2665-2671.	13.7	16
15	Reinvestigation of the photostrictive effect in lanthanum-modified lead zirconate titanate ferroelectrics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4074-4082.	3.8	17
16	Formic acid fractionation towards highly efficient cellulose-derived PdAg bimetallic catalyst for H ₂ evolution. <i>Green Energy and Environment</i> , 2020, , .	8.7	14
17	Two characteristic cellulose nanocrystals (CNCs) obtained from oxalic acid and sulfuric acid processing. <i>Cellulose</i> , 2019, 26, 8351-8365.	4.9	40
18	Highly stable zinc-iodine single flow batteries with super high energy density for stationary energy storage. <i>Energy and Environmental Science</i> , 2019, 12, 1834-1839.	30.8	181

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19	Toward biomass-based single-atom catalysts and plastics: Highly active single-atom Co on N-doped carbon for oxidative esterification of primary alcohols. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117767.	20.2	96
20	Luminescence modulation of carbon dots assemblies. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6337-6343.	5.5	8
21	Convergent production of 2,5-furandicarboxylic acid from biomass and CO ₂ . <i>Green Chemistry</i> , 2019, 21, 2923-2927.	9.0	52
22	Aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over Co/Mn-lignin coordination complexes-derived catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 965-973.	20.2	110
23	CO and H ₂ Activation over g-ZnO Layers and w-ZnO(0001). <i>ACS Catalysis</i> , 2019, 9, 1373-1382.	11.2	34
24	Variable selection and chemometric models for discriminating symptomatic gout based on a metabolic target analysis. <i>Journal of Chemometrics</i> , 2018, 32, e2984.	1.3	1
25	Regular Aligned 1D Single-Crystalline Supramolecular Arrays for Photodetectors. <i>Small</i> , 2018, 14, 1701861.	10.0	18
26	Solution Adsorption Formation of a Conjugated Polymer/Graphene Composite for High-Performance Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, 1705377.	21.0	48
27	Surface action spectroscopy with rare gas messenger atoms. <i>Review of Scientific Instruments</i> , 2018, 89, 083107.	1.3	8
28	Physico-chemical oxidative cleavage strategy facilitates the degradation of recalcitrant crystalline cellulose by cellulases hydrolysis. <i>Biotechnology for Biofuels</i> , 2018, 11, 16.	6.2	9
29	Making Sustainable Biofuels and Sunscreen from Corncobs To Introduce Students to Integrated Biorefinery Concepts and Techniques. <i>Journal of Chemical Education</i> , 2018, 95, 1376-1380.	2.3	26
30	Formation and growth mechanism of flake-belt integrative Ag nanocrystals. <i>Micro and Nano Letters</i> , 2018, 13, 882-886.	1.3	0
31	Enhanced oxidation resistance of active nanostructures via dynamic size effect. <i>Nature Communications</i> , 2017, 8, 14459.	12.8	51
32	Crystallographically Aligned Perovskite Structures for High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , 2017, 29, 1605993.	21.0	198
33	Active Phase of FeO _x /Pt Catalysts in Low-Temperature CO Oxidation and Preferential Oxidation of CO Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10398-10405.	3.1	44
34	CO adsorption on a Pt(111) surface partially covered with FeO _x nanostructures. <i>Journal of Energy Chemistry</i> , 2017, 26, 602-607.	12.9	12
35	Towards the atomic-scale characterization of isolated iron sites confined in a nitrogen-doped graphene matrix. <i>Applied Surface Science</i> , 2017, 410, 111-116.	6.1	22
36	Structure and Electronic Properties of Interface-Confined Oxide Nanostructures. <i>ACS Nano</i> , 2017, 11, 11449-11458.	14.6	23

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37	Doliroside A from <i>Dolichos falcata</i> Klein suppressing amyloid β -protein 42 fibrillogenesis: An insight at molecular level. <i>PLoS ONE</i> , 2017, 12, e0186590.	2.5	3
38	The effective removal of Cr(VI) ions by carbon dot-silica hybrids driven by visible light. <i>RSC Advances</i> , 2016, 6, 68530-68537.	3.6	15
39	Improving <i>Saccharomyces cerevisiae</i> growth against lignocellulose-derived inhibitors as well as maximizing ethanol production by a combination proposal of ^{13}C -irradiation pretreatment with in situ detoxification. <i>Chemical Engineering Journal</i> , 2016, 287, 302-312.	12.7	30
40	Nitric acid-mediated shape-controlled synthesis and catalytic activity of silver hierarchical microcrystals. <i>RSC Advances</i> , 2016, 6, 21511-21516.	3.6	13
41	Multi-component in situ and in-step formation of visible-light response C-dots composite TiO_2 mesocrystals. <i>RSC Advances</i> , 2016, 6, 14306-14313.	3.6	14
42	A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. <i>Science Advances</i> , 2015, 1, e1500462.	10.3	719
43	Facile oxygen intercalation between full layer graphene and Ru(0001) under ambient conditions. <i>Surface Science</i> , 2015, 634, 37-43.	1.9	37
44	Plasmon-enhanced photoluminescence of carbon dot-silica hybrid mesoporous spheres. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2881-2885.	5.5	35
45	Preliminary investigations on a polygalacturonase from <i>Aspergillus fumigatus</i> in Chinese Pu-erh tea fermentation. <i>Bioresources and Bioprocessing</i> , 2015, 2, .	4.2	4
46	CO Oxidation on Gold-Supported Iron Oxides: New Insights into Strong Oxide-Metal Interactions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16614-16622.	3.1	62
47	Copper inks formed using short carbon chain organic Cu-precursors. <i>RSC Advances</i> , 2014, 4, 60144-60147.	3.6	29
48	Preparation and characterisation of multifunctional magnetic-fluorescent Fe_3O_4 /carbon dots/silica composites. <i>Micro and Nano Letters</i> , 2013, 8, 302-304.	1.3	8
49	Graphitized carbon dots emitting strong green photoluminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4902.	5.5	69
50	Preparation and conductive mechanism of copper nanoparticles ink. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 5175-5182.	2.2	17
51	Paper-based nanosilver conductive ink. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 628-634.	2.2	26
52	One step synthesis of uniform organic silver ink drawing directly on paper substrates. <i>Journal of Materials Chemistry</i> , 2012, 22, 23012.	6.7	63
53	Metabolite target analysis of human urine combined with pattern recognition techniques for the study of symptomatic gout. <i>Molecular BioSystems</i> , 2012, 8, 2956.	2.9	16
54	Au/graphene hydrogel: synthesis, characterization and its use for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Chemistry</i> , 2012, 22, 8426.	6.7	817

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55	Evaluation of polydopamine supported nano-polytetrafluoroethylene as a novel material for solid phase extraction. <i>New Journal of Chemistry</i> , 2012, 36, 2376.	2.8	8
56	A metabolic profiling analysis of symptomatic gout in human serum and urine using high performance liquid chromatography-diode array detector technique. <i>Clinica Chimica Acta</i> , 2011, 412, 2132-2140.	1.1	38
57	Chemometric analysis of metabolism disorders in blood plasma of S180 and H22 tumor-bearing mice by high performance liquid chromatography-diode array detection. <i>Journal of Chemometrics</i> , 2011, 25, 430-440.	1.3	1
58	A Novel One-Step Approach to Synthesize Fluorescent Carbon Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4411-4414.	2.0	221
59	Fabrication of Micrometer-Scale Anatase-Phase TiO ₂ Congeries Assembled with Hollow Spheres. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2067-2070.	3.8	10
60	EDTA-Directed Synthesis of Highly Active Porous Titania with Bicrystalline Framework. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 4339-4345.	0.9	1
61	Solvothermal synthesis of ultralong single-crystalline TiO ₂ nanowires. <i>New Journal of Chemistry</i> , 2005, 29, 969.	2.8	76
62	Adsorption of cations onto the surfaces of silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2003, 257, 188-194.	9.4	30
63	Atom Bonding Sites in a Nickel-Fe ₃ O ₄ (001) Single-Atom Model Catalyst and O ₂ Reactivity Unveiled by Surface Action Spectroscopy with Infrared Free-Electron Laser Light. <i>Angewandte Chemie</i> , 0, , .	2.0	2