

# Zhi Liu

## List of Publications by Year in descending order

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41  
papers

1,134  
citations

304743

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395702

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41  
docs citations

41  
times ranked

1459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercalation Effect of Attapulgite in g-C <sub>3</sub> N <sub>4</sub> Modified with Fe <sub>3</sub> O <sub>4</sub> Quantum Dots To Enhance Photocatalytic Activity for Removing 2-Mercaptobenzothiazole under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10614-10623.	6.7	109
2	Synthesis Ce-doped biomass carbon-based g-C <sub>3</sub> N <sub>4</sub> via plant growing guide and temperature-programmed technique for degrading 2-Mercaptobenzothiazole. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118432.	20.2	92
3	Ultrathin magnetic Mg-Al LDH photocatalyst for enhanced CO <sub>2</sub> reduction: Fabrication and mechanism. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 1-10.	9.4	76
4	Easy synthesis of phosphorus-incorporated three-dimensionally ordered macroporous carbons with hierarchical pores and their use as electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2014, 115, 206-215.	5.2	52
5	Improving methane selectivity of photo-induced CO <sub>2</sub> reduction on carbon dots through modification of nitrogen-containing groups and graphitization. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 86-92.	20.2	48
6	Renewable biomass-derived carbon-supported g-C <sub>3</sub> N <sub>4</sub> doped with Ag for enhanced photocatalytic reduction of CO <sub>2</sub> . <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1311-1321.	9.4	45
7	Waste Biomass Based Activated Carbons Derived from Soybean Pods as Electrode Materials for High Performance Supercapacitors. <i>ChemistrySelect</i> , 2018, 3, 5726-5732.	1.5	44
8	Synthesis of three-dimensionally ordered macroporous manganese dioxide-carbon nanocomposites for supercapacitors. <i>Journal of Power Sources</i> , 2014, 267, 812-820.	7.8	37
9	Synthesis of copper-containing ordered mesoporous carbons for selective hydrogenation of cinnamaldehyde. <i>Catalysis Communications</i> , 2012, 21, 58-62.	3.3	34
10	Highly Durable and Efficient Ni-FeO <sub>x</sub> /FeNi <sub>3</sub> Electrocatalysts Synthesized by a Facile In Situ Combustion-Based Method for Overall Water Splitting with Large Current Densities. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27842-27853.	8.0	34
11	Attapulgite-interpenetrated g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> quantum-dots Z-scheme heterojunction for 2-mercaptobenzothiazole degradation with mechanism insight. <i>Chemical Engineering Journal</i> , 2022, 435, 134918.	12.7	31
12	A facile synthesis of a uniform constitution of three-dimensionally ordered macroporous TiO <sub>2</sub> -carbon nanocomposites with hierarchical pores for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6862-6872.	10.3	29
13	Easy synthesis of bimetal PtFe-containing ordered mesoporous carbons and their use as catalysts for selective cinnamaldehyde hydrogenation. <i>New Journal of Chemistry</i> , 2013, 37, 1350.	2.8	26
14	Interconnected three-dimensionally hierarchical heterostructures with homogeneously-dispersed V <sub>2</sub> O <sub>5</sub> nanocrystals and carbon for high performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2017, 229, 155-165.	5.2	26
15	Three-Dimensionally Hierarchical Pt/C Nanocomposite with Ultra-High Dispersion of Pt Nanoparticles as a Highly Efficient Catalyst for Chemoselective Cinnamaldehyde Hydrogenation. <i>ChemCatChem</i> , 2018, 10, 779-788.	3.7	25
16	Fabrication of CoFe <sub>2</sub> O <sub>4</sub> -modified and HNTs-supported g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalysts for enhancing MBT degradation activity under visible light. <i>Journal of Materials Science</i> , 2020, 55, 4358-4371.	3.7	25
17	Flower-like CoAl layered double hydroxides modified with CeO <sub>2</sub> and RGO as efficient photocatalyst towards CO <sub>2</sub> reduction. <i>Journal of Alloys and Compounds</i> , 2021, 881, 160650.	5.5	25
18	Construction of a ZnIn <sub>2</sub> S <sub>4</sub> /Au/CdS Tandem Heterojunction for Highly Efficient CO <sub>2</sub> Photoreduction. <i>Inorganic Chemistry</i> , 2022, 61, 11207-11217.	4.0	24

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19	Dual-templating fabrication of three-dimensionally ordered macroporous ceria with hierarchical pores and its use as a support for enhanced catalytic performance of preferential CO oxidation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4445-4455.	7.1	23
20	One-pot synthesis of Fe, Co and Ni-doped carbon xerogels and their magnetic properties. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1275-1280.	4.0	23
21	Self-Template Synthesis of Multiheteroatom Codoped Porous Carbon with Rational Mesoporosity from Traditional Chinese Medicine Dregs for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11667-11681.	6.7	23
22	Highly dispersed MnO <sub>x</sub> nanoparticles supported on three-dimensionally ordered macroporous carbon: a novel nanocomposite for catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> at low temperature. <i>RSC Advances</i> , 2015, 5, 29577-29588.	3.6	22
23	A two step hydrothermal process to prepare carbon spheres from bamboo for construction of core-shell non-metallic photocatalysts. <i>New Journal of Chemistry</i> , 2018, 42, 6515-6524.	2.8	22
24	Photocatalytic removal using g-C <sub>3</sub> N <sub>4</sub> quantum dots/Bi <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> composites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 19-27.	3.9	22
25	Fabrication of magnetic g-C <sub>3</sub> N <sub>4</sub> for effectively enhanced tetracycline degradation with RGO as mediator. <i>New Journal of Chemistry</i> , 2018, 42, 15974-15984.	2.8	21
26	Fabrication of a Z-scheme MoS <sub>2</sub> /CuO heterojunction for enhanced 2-mercaptobenzothiazole degradation activity and mechanism insight. <i>New Journal of Chemistry</i> , 2020, 44, 18264-18273.	2.8	21
27	Construction of spindle structured CeO <sub>2</sub> modified with rod-like attapulgite as a high-performance photocatalyst for CO <sub>2</sub> reduction. <i>Catalysis Science and Technology</i> , 2019, 9, 3788-3799.	4.1	20
28	Ir <sup>3+</sup> xerogels synthesized by sol-gel method for NO reduction. <i>Catalysis Today</i> , 2008, 137, 162-166.	4.4	18
29	Biomass-Assisted Synthesis of CeO <sub>2</sub> Nanorods for CO <sub>2</sub> Photoreduction under Visible Light. <i>ACS Applied Nano Materials</i> , 2021, 4, 4226-4237.	5.0	15
30	Bridging between NiAl-LDH and g-C <sub>3</sub> N <sub>4</sub> by using carbon quantum dots for highly enhanced photoreduction of CO <sub>2</sub> into CO. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 21-30.	9.4	15
31	Interpenetrating Framework with Three-Dimensionally Ordered Macroporous Carbon Substrates and Well-Dispersed Co <sub>3</sub> O <sub>4</sub> Nanocrystals for Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2016, 163, A417-A426.	2.9	14
32	Reduction of NO by Cu <sup>0</sup> -carbon and Co <sup>0</sup> -carbon xerogels. <i>Carbon</i> , 2006, 44, 2345-2347.	10.3	13
33	Constructing Schottky junctions via Pd nanosheets on DUT-67 surfaces to accelerate charge transfer. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 3022-3029.	9.4	13
34	Synthesis, structure, spectroscopy of four novel supramolecular complexes and cytotoxicity study by application of multiple parallel perfused microbioreactors. <i>New Journal of Chemistry</i> , 2014, 38, 3258-3268.	2.8	12
35	Construction of a CsPbBr <sub>3</sub> modified porous g-C <sub>3</sub> N <sub>4</sub> photocatalyst for effective reduction of CO <sub>2</sub> and mechanism exploration. <i>New Journal of Chemistry</i> , 2021, 45, 1082-1091.	2.8	12
36	Fast synthesis of mesoporous $\gamma$ -alumina assisted by a room temperature ionic liquid and its use as a support for the promotional catalytic performance of dibenzothiophene hydrodesulfurization. <i>RSC Advances</i> , 2014, 4, 10221.	3.6	11

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37	Sucrose-assisted synthesis of three-dimensionally ordered macroporous CeO <sub>2</sub> and its use as a support for promotional catalytic performance of CO oxidation. <i>Applied Surface Science</i> , 2013, 283, 290-296.	6.1	10
38	Synthesis, characterization and electrochemical properties of three-dimensionally ordered macroporous Ir-Fe <sub>2</sub> O <sub>3</sub> . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 1612-1617.	3.5	7
39	Three-dimensional graphene aerogel supported Ir nanocomposite as a highly efficient catalyst for chemoselective cinnamaldehyde hydrogenation. <i>Diamond and Related Materials</i> , 2019, 91, 272-282.	3.9	7
40	Synthesis, characterization and magnetic performance of Co-incorporated ordered mesoporous carbons. <i>Materials Research Bulletin</i> , 2012, 47, 274-278.	5.2	6
41	Morphological transformation of calcium phenylphosphonate microspheres induced by micellization of Ir <sup>3+</sup> -polyglutamic acid. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 33-46.	9.4	2