

Hongwei Zhang

List of Publications by Year in descending order

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43
papers

2,969
citations

185998

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253896

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44
all docs

44
docs citations

44
times ranked

4809
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the properties of Ni-based catalyst via La incorporation for efficient hydrogenation of petroleum resin. Chinese Journal of Chemical Engineering, 2022, 45, 41-50.	1.7	8
2	Controllable synthesis of N-doped hollow mesoporous carbon with tunable structures for enhanced toluene adsorption. Separation and Purification Technology, 2022, 283, 120171.	3.9	18
3	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis. Journal of the American Chemical Society, 2022, 144, 2171-2178.	6.6	140
4	Hierarchical Flower-Like NiCu/SiO ₂ Bimetallic Catalysts with Enhanced Catalytic Activity and Stability for Petroleum Resin Hydrogenation. Industrial & Engineering Chemistry Research, 2021, 60, 5432-5442.	1.8	17
5	Highly Elastic Binders Incorporated with Helical Molecules to Improve the Electrochemical Stability of Black Phosphorous Anodes for Sodium-Ion Batteries. Batteries and Supercaps, 2020, 3, 101-107.	2.4	8
6	Adjusting surface acidity of hollow mesoporous carbon nanospheres for enhanced adsorptive denitrogenation of fuels. Chemical Engineering Science, 2020, 228, 115963.	1.9	12
7	Highly Stretchable Polymer Binder Engineered with Polysaccharides for Silicon Microparticles as High-Performance Anodes. ChemSusChem, 2020, 13, 3887-3892.	3.6	18
8	Effect of support morphology on the activity and reusability of Pd/SiO ₂ for NBR hydrogenation. Journal of Materials Science, 2020, 55, 12876-12883.	1.7	8
9	Unraveling the Formation of Amorphous MoS ₂ Nanograins during the Electrochemical Delithiation Process. Advanced Functional Materials, 2019, 29, 1904843.	7.8	38
10	Interfacial Lattice-Strain-Driven Generation of Oxygen Vacancies in an Aerobic-Annealed TiO ₂ (B) Electrode. Advanced Materials, 2019, 31, e1906156.	11.1	53
11	Electrode Materials: Interfacial Lattice-Strain-Driven Generation of Oxygen Vacancies in an Aerobic-Annealed TiO ₂ (B) Electrode (Adv. Mater. 52/2019). Advanced Materials, 2019, 31, 1970367.	11.1	9
12	Approaching the Lithiation Limit of MoS ₂ While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. Angewandte Chemie - International Edition, 2019, 58, 3521-3526.	7.2	62
13	Approaching the Lithiation Limit of MoS ₂ While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. Angewandte Chemie, 2019, 131, 3559-3564.	1.6	18
14	Pristine mesoporous carbon hollow spheres as safe adjuvants induce excellent Th2-biased immune response. Nano Research, 2018, 11, 370-382.	5.8	14
15	Tailored Yolk-Shell Sn@C Nanoboxes for High-Performance Lithium Storage. Advanced Functional Materials, 2017, 27, 1606023.	7.8	173
16	Nanoengineering of Core-Shell Magnetic Mesoporous Microspheres with Tunable Surface Roughness. Journal of the American Chemical Society, 2017, 139, 4954-4961.	6.6	135
17	Flower-like C@SnO _x @C hollow nanostructures with enhanced electrochemical properties for lithium storage. Nano Research, 2017, 10, 2966-2976.	5.8	37
18	Single-Layered Mesoporous Carbon Sandwiched Graphene Nanosheets for High Performance Ionic Liquid Supercapacitors. Journal of Physical Chemistry C, 2017, 121, 23947-23954.	1.5	12

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19	Glucose-Responsive Nanosystem Mimicking the Physiological Insulin Secretion via an Enzyme-Polymer Layer-by-Layer Coating Strategy. <i>Chemistry of Materials</i> , 2017, 29, 7725-7732.	3.2	46
20	Free-standing monolithic nanoporous graphene foam as a high performance aluminum-ion battery cathode. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19416-19421.	5.2	68
21	Facile Synthesis of Large-Pore Bicontinuous Cubic Mesoporous Silica Nanoparticles for Intracellular Gene Delivery. <i>ChemNanoMat</i> , 2016, 2, 220-225.	1.5	24
22	Engineering Iron Oxide Hollow Nanospheres to Enhance Antimicrobial Property: Understanding the Cytotoxic Origin in Organic Rich Environment. <i>Advanced Functional Materials</i> , 2016, 26, 5408-5418.	7.8	46
23	Polypyrrole-Coated Zinc Ferrite Hollow Spheres with Improved Cycling Stability for Lithium-Ion Batteries. <i>Small</i> , 2016, 12, 3732-3737.	5.2	102
24	In situ Stober templating: facile synthesis of hollow mesoporous carbon spheres from silica-polymer composites for ultra-high level in-cavity adsorption. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9063-9071.	5.2	73
25	Surfactant-Free Assembly of Mesoporous Carbon Hollow Spheres with Large Tunable Pore Sizes. <i>ACS Nano</i> , 2016, 10, 4579-4586.	7.3	374
26	Silica Nanopollens Enhance Adhesion for Long-Term Bacterial Inhibition. <i>Journal of the American Chemical Society</i> , 2016, 138, 6455-6462.	6.6	219
27	Mesoporous Magnesium Oxide Hollow Spheres as Superior Arsenite Adsorbent: Synthesis and Adsorption Behavior. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25306-25312.	4.0	69
28	Kinetically Controlled Assembly of Nitrogen-Doped Invaginated Carbon Nanospheres with Tunable Mesopores. <i>Chemistry - A European Journal</i> , 2016, 22, 14962-14967.	1.7	21
29	Encapsulation of selenium sulfide in double-layered hollow carbon spheres as advanced electrode material for lithium storage. <i>Nano Research</i> , 2016, 9, 3725-3734.	5.8	45
30	A Vesicle Supra-Assembly Approach to Synthesize Amine-Functionalized Hollow Dendritic Mesoporous Silica Nanospheres for Protein Delivery. <i>Small</i> , 2016, 12, 5169-5177.	5.2	72
31	Hollow Nanospheres: Engineering Iron Oxide Hollow Nanospheres to Enhance Antimicrobial Property: Understanding the Cytotoxic Origin in Organic Rich Environment (<i>Adv. Funct. Mater.</i> 30/2016). <i>Advanced Functional Materials</i> , 2016, 26, 5579-5579.	7.8	0
32	Size-dependent gene delivery of amine-modified silica nanoparticles. <i>Nano Research</i> , 2016, 9, 291-305.	5.8	30
33	Core-Cone Structured Monodispersed Mesoporous Silica Nanoparticles with Ultra-Large Cavity for Protein Delivery. <i>Small</i> , 2015, 11, 5949-5955.	5.2	140
34	Biphasic Synthesis of Large-Pore and Well-Dispersed Benzene Bridged Mesoporous Organosilica Nanoparticles for Intracellular Protein Delivery. <i>Small</i> , 2015, 11, 2743-2749.	5.2	82
35	Encapsulation of Fe_2O_3 nanoparticles in graphitic carbon microspheres as high-performance anode materials for lithium-ion batteries. <i>Nanoscale</i> , 2015, 7, 3270-3275.	2.8	82
36	A systematic study on the synthesis of Fe_2O_3 multi-shelled hollow spheres. <i>RSC Advances</i> , 2015, 5, 10304-10309.	1.7	41

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37	Nitrogen-doped ordered mesoporous carbon single crystals: aqueous organic-organic self-assembly and superior supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24041-24048.	5.2	96
38	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. <i>ACS Central Science</i> , 2015, 1, 328-334.	5.3	65
39	Synthesis of Magnesium Oxide Hierarchical Microspheres: A Dual-Functional Material for Water Remediation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21278-21286.	4.0	124
40	High-Content, Well-Dispersed Fe_2O_3 Nanoparticles Encapsulated in Macroporous Silica with Superior Arsenic Removal Performance. <i>Advanced Functional Materials</i> , 2014, 24, 1354-1363.	7.8	118
41	Tailoring the Void Size of Iron Oxide@Carbon Yolk-Shell Structure for Optimized Lithium Storage. <i>Advanced Functional Materials</i> , 2014, 24, 4337-4342.	7.8	212
42	Highly crystallized Fe_2O_3 nanocrystals on graphene: a lithium ion battery anode material with enhanced cycling. <i>RSC Advances</i> , 2014, 4, 495-499.	1.7	37
43	Nanoparticles: Nanoparticles Mimicking Viral Surface Topography for Enhanced Cellular Delivery (<i>Adv. Mater.</i> 43/2013). <i>Advanced Materials</i> , 2013, 25, 6232-6232.	11.1	1