

# Hongwei Zhang

## List of Publications by Year in descending order

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43  
papers

2,969  
citations

185998

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docs citations

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times ranked

4809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surfactant-Free Assembly of Mesoporous Carbon Hollow Spheres with Large Tunable Pore Sizes. ACS Nano, 2016, 10, 4579-4586.	7.3	374
2	Silica Nanopollens Enhance Adhesion for Long-Term Bacterial Inhibition. Journal of the American Chemical Society, 2016, 138, 6455-6462.	6.6	219
3	Tailoring the Void Size of Iron Oxide@Carbon Yolk@Shell Structure for Optimized Lithium Storage. Advanced Functional Materials, 2014, 24, 4337-4342.	7.8	212
4	Tailored Yolk@Shell Sn@C Nanoboxes for High-Performance Lithium Storage. Advanced Functional Materials, 2017, 27, 1606023.	7.8	173
5	Core@Cone Structured Monodispersed Mesoporous Silica Nanoparticles with Ultra-Large Cavity for Protein Delivery. Small, 2015, 11, 5949-5955.	5.2	140
6	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis. Journal of the American Chemical Society, 2022, 144, 2171-2178.	6.6	140
7	Nanoengineering of Core@Shell Magnetic Mesoporous Microspheres with Tunable Surface Roughness. Journal of the American Chemical Society, 2017, 139, 4954-4961.	6.6	135
8	Synthesis of Magnesium Oxide Hierarchical Microspheres: A Dual-Functional Material for Water Remediation. ACS Applied Materials & Interfaces, 2015, 7, 21278-21286.	4.0	124
9	High-Content, Well-Dispersed $\text{Fe}_2\text{O}_3$ Nanoparticles Encapsulated in Macroporous Silica with Superior Arsenic Removal Performance. Advanced Functional Materials, 2014, 24, 1354-1363.	7.8	118
10	Polypyrrole-Coated Zinc Ferrite Hollow Spheres with Improved Cycling Stability for Lithium-Ion Batteries. Small, 2016, 12, 3732-3737.	5.2	102
11	Nitrogen-doped ordered mesoporous carbon single crystals: aqueous organic@organic self-assembly and superior supercapacitor performance. Journal of Materials Chemistry A, 2015, 3, 24041-24048.	5.2	96
12	Biphasic Synthesis of Large-Pore and Well-Dispersed Benzene Bridged Mesoporous Organosilica Nanoparticles for Intracellular Protein Delivery. Small, 2015, 11, 2743-2749.	5.2	82
13	Encapsulation of $\text{Fe}_2\text{O}_3$ nanoparticles in graphitic carbon microspheres as high-performance anode materials for lithium-ion batteries. Nanoscale, 2015, 7, 3270-3275.	2.8	82
14	In situ Stober templating: facile synthesis of hollow mesoporous carbon spheres from silica@polymer composites for ultra-high level in-cavity adsorption. Journal of Materials Chemistry A, 2016, 4, 9063-9071.	5.2	73
15	A Vesicle Supra-Assembly Approach to Synthesize Amine-Functionalized Hollow Dendritic Mesoporous Silica Nanospheres for Protein Delivery. Small, 2016, 12, 5169-5177.	5.2	72
16	Mesoporous Magnesium Oxide Hollow Spheres as Superior Arsenite Adsorbent: Synthesis and Adsorption Behavior. ACS Applied Materials & Interfaces, 2016, 8, 25306-25312.	4.0	69
17	Free-standing monolithic nanoporous graphene foam as a high performance aluminum-ion battery cathode. Journal of Materials Chemistry A, 2017, 5, 19416-19421.	5.2	68
18	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. ACS Central Science, 2015, 1, 328-334.	5.3	65

#	ARTICLE	IF	CITATIONS
19	Approaching the Lithiation Limit of MoS <sub>2</sub> While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3521-3526.	7.2	62
20	Interfacial Lattice-Strain-Driven Generation of Oxygen Vacancies in an Aerobic-Annealed TiO <sub>2</sub> (B) Electrode. <i>Advanced Materials</i> , 2019, 31, e1906156.	11.1	53
21	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
22	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
23	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
24	A systematic study on the synthesis of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> multi-shelled hollow spheres. <i>RSC Advances</i> , 2015, 5, 10304-10309.	1.7	41
25	Unraveling the Formation of Amorphous MoS <sub>2</sub> Nanograins during the Electrochemical Delithiation Process. <i>Advanced Functional Materials</i> , 2019, 29, 1904843.	7.8	38
26	Highly crystallized Fe <sub>2</sub> O <sub>3</sub> nanocrystals on graphene: a lithium ion battery anode material with enhanced cycling. <i>RSC Advances</i> , 2014, 4, 495-499.	1.7	37
27	Flower-like C@SnO <sub>2</sub> @C hollow nanostructures with enhanced electrochemical properties for lithium storage. <i>Nano Research</i> , 2017, 10, 2966-2976.	5.8	37
28	Size-dependent gene delivery of amine-modified silica nanoparticles. <i>Nano Research</i> , 2016, 9, 291-305.	5.8	30
29	Facile Synthesis of Large-Pore Bicontinuous Cubic Mesoporous Silica Nanoparticles for Intracellular Gene Delivery. <i>ChemNanoMat</i> , 2016, 2, 220-225.	1.5	24
30	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
31	Approaching the Lithiation Limit of MoS <sub>2</sub> While Maintaining Its Layered Crystalline Structure to Improve Lithium Storage. <i>Angewandte Chemie</i> , 2019, 131, 3559-3564.	1.6	18
32	Highly Stretchable Polymer Binder Engineered with Polysaccharides for Silicon Microparticles as High-Performance Anodes. <i>ChemSusChem</i> , 2020, 13, 3887-3892.	3.6	18
33	Controllable synthesis of N-doped hollow mesoporous carbon with tunable structures for enhanced toluene adsorption. <i>Separation and Purification Technology</i> , 2022, 283, 120171.	3.9	18
34	Hierarchical Flower-Like NiCu/SiO <sub>2</sub> Bimetallic Catalysts with Enhanced Catalytic Activity and Stability for Petroleum Resin Hydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 5432-5442.	1.8	17
35	Pristine mesoporous carbon hollow spheres as safe adjuvants induce excellent Th <sub>2</sub> -biased immune response. <i>Nano Research</i> , 2018, 11, 370-382.	5.8	14
36	Single-Layered Mesoporous Carbon Sandwiched Graphene Nanosheets for High Performance Ionic Liquid Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23947-23954.	1.5	12

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37	Adjusting surface acidity of hollow mesoporous carbon nanospheres for enhanced adsorptive denitrogenation of fuels. <i>Chemical Engineering Science</i> , 2020, 228, 115963.	1.9	12
38	Electrode Materials: Interfacial Lattice Strain-Driven Generation of Oxygen Vacancies in an Aerobic Annealed TiO <sub>2</sub> (B) Electrode ( <i>Adv. Mater.</i> 52/2019). <i>Advanced Materials</i> , 2019, 31, 1970367.	11.1	9
39	Highly Elastic Binders Incorporated with Helical Molecules to Improve the Electrochemical Stability of Black Phosphorous Anodes for Sodium-Ion Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 101-107.	2.4	8
40	Effect of support morphology on the activity and reusability of Pd/SiO <sub>2</sub> for NBR hydrogenation. <i>Journal of Materials Science</i> , 2020, 55, 12876-12883.	1.7	8
41	Tuning the properties of Ni-based catalyst via La incorporation for efficient hydrogenation of petroleum resin. <i>Chinese Journal of Chemical Engineering</i> , 2022, 45, 41-50.	1.7	8
42	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
43	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