

Xiaodan Huang

List of Publications by Year in descending order

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34
papers

3,444
citations

257101

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all docs

34
docs citations

34
times ranked

5846
citing authors

#	ARTICLE	IF	CITATIONS
1	Large scale synthesis of self-assembled shuttlecock-shaped silica nanoparticles with minimized drag as advanced catalytic nanomotors. <i>Chemical Engineering Journal</i> , 2021, 417, 127971.	6.6	9
2	Calcium-Doped Silica Nanoparticles Mixed with Phosphate-Doped Silica Nanoparticles for Rapid and Stable Occlusion of Dentin Tubules. <i>ACS Applied Nano Materials</i> , 2021, 4, 8761-8769.	2.4	4
3	A General Approach to Direct Growth of Oriented Metal-Organic Framework Nanosheets on Reduced Graphene Oxides. <i>Advanced Science</i> , 2020, 7, 1901480.	5.6	25
4	Nitrogen-Doped Mesoporous Carbon Microspheres by Spray Drying-Vapor Deposition for High-Performance Supercapacitor. <i>Frontiers in Chemistry</i> , 2020, 8, 592904.	1.8	6
5	Modulating the Void Space of Nitrogen-Doped Hollow Mesoporous Carbon Spheres for Lithium-Sulfur Batteries. <i>ChemNanoMat</i> , 2020, 6, 925-929.	1.5	7
6	Modulating Ion Diffusivity and Electrode Conductivity of Carbon Nanotube@Mesoporous Carbon Fibers for High Performance Aluminum-Selenium Batteries. <i>Small</i> , 2019, 15, e1904310.	5.2	33
7	Designed synthesis of organosilica nanoparticles for enzymatic biodiesel production. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1334-1342.	3.2	31
8	Hollow Mesoporous Carbon Nanocubes: Rigid-Interface-Induced Outward Contraction of Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2018, 28, 1705253.	7.8	100
9	Tailored Yolk-Shell Sn@C Nanoboxes for High-Performance Lithium Storage. <i>Advanced Functional Materials</i> , 2017, 27, 1606023.	7.8	173
10	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
11	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
12	Mg(OH) ₂ @MgO@reduced graphene oxide nanocomposites: the roles of composition and nanostructure in arsenite sorption. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24484-24492.	5.2	26
13	Tailoring mesoporous-silica nanoparticles for robust immobilization of lipase and biocatalysis. <i>Nano Research</i> , 2017, 10, 605-617.	5.8	63
14	Rattle-type magnetic mesoporous hollow carbon as a high-performance and reusable adsorbent for water treatment. <i>Chemosphere</i> , 2017, 166, 109-117.	4.2	24
15	Surfactant-Free Assembly of Mesoporous Carbon Hollow Spheres with Large Tunable Pore Sizes. <i>ACS Nano</i> , 2016, 10, 4579-4586.	7.3	374
16	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
17	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
18	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

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19	Core-Cone Structured Monodispersed Mesoporous Silica Nanoparticles with Ultra-Large Cavity for Protein Delivery. <i>Small</i> , 2015, 11, 5949-5955.	5.2	140
20	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
21	Multi-chambered micro/mesoporous carbon nanocubes as new polysulfides reservoirs for lithium-sulfur batteries with long cycle life. <i>Nano Energy</i> , 2015, 16, 268-280.	8.2	132
22	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
23	Self-Assembling Synthesis of Free-Standing Nanoporous Graphene-Transition Metal Oxide Flexible Electrodes for High-Performance Lithium-Ion Batteries and Supercapacitors. <i>Chemistry - an Asian Journal</i> , 2014, 9, 206-211.	1.7	62
24	3D Hyperbranched Hollow Carbon Nanorod Architectures for High-Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1301761.	10.2	154
25	Porous Graphene Nanoarchitectures: An Efficient Catalyst for Low Charge-Overpotential, Long Life, and High Capacity Lithium-Oxygen Batteries. <i>Nano Letters</i> , 2014, 14, 3145-3152.	4.5	329
26	Hierarchical 3D mesoporous silicon@graphene nanoarchitectures for lithium ion batteries with superior performance. <i>Nano Research</i> , 2014, 7, 85-94.	5.8	163
27	Soft-template synthesis of 3D porous graphene foams with tunable architectures for lithium-O ₂ batteries and oil adsorption applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7973-7979.	5.2	108
28	Multi-shelled hollow carbon nanospheres for lithium-sulfur batteries with superior performances. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16199-16207.	5.2	116
29	Micelle-Template Synthesis of Nitrogen-Doped Mesoporous Graphene as an Efficient Metal-Free Electrocatalyst for Hydrogen Production. <i>Scientific Reports</i> , 2014, 4, 7557.	1.6	93
30	Mesoporous graphene paper immobilised sulfur as a flexible electrode for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13484.	5.2	103
31	Self-assembly of monodispersed silica nano-spheres with a closed-pore mesostructure. <i>Journal of Materials Chemistry</i> , 2012, 22, 11523.	6.7	18
32	Functional Nanoporous Graphene Foams with Controlled Pore Sizes. <i>Advanced Materials</i> , 2012, 24, 4419-4423.	11.1	350
33	A graphene modified anode to improve the performance of microbial fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 5402-5407.	4.0	335
34	Graphene Nanosheets Modified Glassy Carbon Electrode as a Highly Sensitive and Selective Voltammetric Sensor for Rutin. <i>Electroanalysis</i> , 2010, 22, 2399-2406.	1.5	45