

Haijiao Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

3,644
citations

29
h-index

59
g-index

83
ext. papers

4,238
ext. citations

7.8
avg, IF

5.53
L-index

#	Paper	IF	Citations
80	Li Storage Properties of Disordered Graphene Nanosheets. <i>Chemistry of Materials</i> , 2009 , 21, 3136-3142	9.6	879
79	Monolayer graphene/NiO nanosheets with two-dimension structure for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18792		277
78	Self-assembly fabrication of 3D flower-like ZnO hierarchical nanostructures and their gas sensing properties. <i>CrystEngComm</i> , 2012 , 14, 1775	3.3	190
77	A facile one-step synthesis of TiO ₂ /graphene composites for photodegradation of methyl orange. <i>Nano Research</i> , 2011 , 4, 274-283	10	165
76	Mesoporous Tungsten Oxides with Crystalline Framework for Highly Sensitive and Selective Detection of Foodborne Pathogens. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10365-10373	16.4	142
75	Controllable growth of SnS ₂ nanostructures on nanocarbon surfaces for lithium-ion and sodium-ion storage with high rate capability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1462-1472	13	97
74	Preparation of flower-like ZnO architectures assembled with nanosheets for enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2016 , 462, 9-18	9.3	95
73	Morphology and electrical properties of carbon coated LiFePO ₄ cathode materials. <i>Journal of Power Sources</i> , 2009 , 189, 462-466	8.9	94
72	Ordered CoO/CMK-3 nanocomposites as the anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 2950-2955	8.9	91
71	TiCT MXene Nanosheets as a Robust and Conductive TIGHT on Si Anodes Significantly Enhance Electrochemical Lithium Storage Performance. <i>ACS Nano</i> , 2020 , 14, 5111-5120	16.7	77
70	A soft-hard template approach towards hollow mesoporous silica nanoparticles with rough surfaces for controlled drug delivery and protein adsorption. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6480-6489	7.3	75
69	A facile two step synthesis of novel chrysanthemum-like mesoporous silica nanoparticles for controlled pyrene release. <i>Chemical Communications</i> , 2010 , 46, 6783-5	5.8	75
68	Ultrathin MoS ₂ nanosheets tightly anchoring onto nitrogen-doped graphene for enhanced lithium storage properties. <i>Chemical Engineering Journal</i> , 2018 , 332, 431-439	14.7	72
67	Strong Coupling of MoS Nanosheets and Nitrogen-Doped Graphene for High-Performance Pseudocapacitance Lithium Storage. <i>Small</i> , 2018 , 14, e1704410	11	72
66	Structure Design and Composition Engineering of Carbon-Based Nanomaterials for Lithium Energy Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 1903030	21.8	71
65	Porous TiO ₂ hollow nanospheres: synthesis, characterization and enhanced photocatalytic properties. <i>CrystEngComm</i> , 2012 , 14, 3793	3.3	61
64	Yolk-shell Si/C composites with multiple Si nanoparticles encapsulated into double carbon shells as lithium-ion battery anodes. <i>Journal of Energy Chemistry</i> , 2019 , 32, 124-130	12	58

63	Carbon-based adsorbents for post-combustion capture: a review 2018 , 8, 11-36		56
62	Surfactant-free solution phase synthesis of monodispersed SnO ₂ hierarchical nanostructures and gas sensing properties. <i>CrystEngComm</i> , 2012 , 14, 3169	3.3	56
61	Three-dimensional MoS ₂ /Carbon sandwiched architecture for boosted lithium storage capability. <i>Nano Energy</i> , 2019 , 65, 104061	17.1	51
60	Smart and flexible supercapacitor based on a porous carbon nanotube film and polyaniline hydrogel. <i>RSC Advances</i> , 2016 , 6, 24946-24951	3.7	48
59	A facile route for rapid synthesis of hollow mesoporous silica nanoparticles as pH-responsive delivery carrier. <i>Journal of Colloid and Interface Science</i> , 2015 , 451, 101-7	9.3	44
58	Self-assembly and template-free synthesis of ZnO hierarchical nanostructures and their photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 367-73	9.3	43
57	Eco-friendly synthesis of rutile TiO ₂ nanostructures with controlled morphology for efficient lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2016 , 304, 156-164	14.7	43
56	Template-free synthesis of flower-like SnO ₂ hierarchical nanostructures with improved gas sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 15-23	8.5	40
55	Flower-like C@SnO _x @C hollow nanostructures with enhanced electrochemical properties for lithium storage. <i>Nano Research</i> , 2017 , 10, 2966-2976	10	33
54	Construction of point-line-plane (0-1-2 dimensional) Fe ₂ O ₃ -SnO ₂ /graphene hybrids as the anodes with excellent lithium storage capability. <i>Nano Research</i> , 2017 , 10, 121-133	10	33
53	Engineering two-dimensional metal oxides and chalcogenides for enhanced electro- and photocatalysis. <i>Science Bulletin</i> , 2021 , 66, 1228-1252	10.6	33
52	Dual-templating synthesis of multi-shelled mesoporous silica nanoparticles as catalyst and drug carrier. <i>Microporous and Mesoporous Materials</i> , 2016 , 228, 318-328	5.3	30
51	Functionalization of multi-walled carbon nanotubes via surface unpaired electrons. <i>Nanotechnology</i> , 2010 , 21, 85706	3.4	28
50	Ultralarge interlayer distance and C,N-codoping enable superior sodium storage capabilities of MoS ₂ nanoions. <i>Chemical Engineering Journal</i> , 2019 , 378, 122249	14.7	24
49	Shape-Controlled Hollow Mesoporous Silica Nanoparticles with Multifunctional Capping for In Vitro Cancer Treatment. <i>Chemistry - A European Journal</i> , 2017 , 23, 10878-10885	4.8	23
48	Microscale Silicon-Based Anodes: Fundamental Understanding and Industrial Prospects for Practical High-Energy Lithium-Ion Batteries. <i>ACS Nano</i> , 2021 , 15, 15567-15593	16.7	23
47	Surfactant-assisted selective etching strategy for generation of rattle-like mesoporous silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 497-504	9.3	20
46	Leaf-inspired design of mesoporous Sb ₂ S ₃ /N-doped Ti ₃ C ₂ T _x composite towards fast sodium storage. <i>Science China Chemistry</i> , 2021 , 64, 964-973	7.9	20

45	Growth of MoS ₂ Nanoflowers with Expanded Interlayer Distance onto N-Doped Graphene for Reversible Lithium Storage. <i>ChemElectroChem</i> , 2018 , 5, 2263-2270	4.3	20
44	Three-Dimensional Molybdenum Disulfide Nanoflowers Decorated on Graphene Nanosheets for High-Performance Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2016 , 3, 1503-1512	4.3	18
43	Formation of mesoporous silica nanoparticles with tunable pore structure as promising nanoreactor and drug delivery vehicle. <i>RSC Advances</i> , 2016 , 6, 13303-13311	3.7	17
42	In situ twisting for stabilizing and toughening conductive graphene yarns. <i>Nanoscale</i> , 2017 , 9, 11523-11529	5.7	17
41	Integrating SnS ₂ Quantum Dots with Nitrogen-Doped Ti ₃ C ₂ T _x MXene Nanosheets for Robust Sodium Storage Performance. <i>ACS Applied Energy Materials</i> , 2021 , 4, 846-854	6.1	17
40	Synthesis of nanoparticles, nanorods, and mesoporous SnO ₂ as anode materials for lithium-ion batteries. <i>Journal of Materials Research</i> , 2014 , 29, 609-616	2.5	16
39	Interfacial engineering of 0D/2D SnS heterostructure onto nitrogen-doped graphene for boosted lithium storage capability. <i>Journal of Colloid and Interface Science</i> , 2019 , 538, 116-124	9.3	16
38	Boosting sodium storage of mesoporous TiO ₂ nanostructure regulated by carbon quantum dots. <i>Chinese Chemical Letters</i> , 2020 , 31, 897-902	8.1	16
37	In situ chemical synthesis of SnO ₂ /reduced graphene oxide nanocomposites as anode materials for lithium-ion batteries. <i>Journal of Materials Research</i> , 2014 , 29, 617-624	2.5	15
36	Interface-mediated fabrication of bowl-like and deflated balloon-like hollow carbon nanospheres. <i>Journal of Colloid and Interface Science</i> , 2015 , 452, 141-147	9.3	14
35	Intergrown SnO ₂ /TiO ₂ @graphene ternary composite as high-performance lithium-ion battery anodes. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	14
34	Controllable synthesis of rod-like SnO ₂ nanoparticles with tunable length anchored onto graphene nanosheets for improved lithium storage capability. <i>RSC Advances</i> , 2016 , 6, 4116-4127	3.7	13
33	Ultras-small SnO ₂ nanocrystals sandwiched into polypyrrole and Ti ₃ C ₂ T _x MXene for highly effective sodium storage. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 825-833	7.8	13
32	Carbon-mediated fabrication of core-shell structured SnO ₂ @TiO ₂ nanocomposites with excellent photocatalytic performance. <i>RSC Advances</i> , 2015 , 5, 58439-58448	3.7	12
31	A room temperature approach for the fabrication of aligned TiO ₂ nanotube arrays on transparent conductive substrates. <i>Chemical Communications</i> , 2016 , 52, 4045-8	5.8	12
30	Sn-based nanomaterials: From composition and structural design to their electrochemical performances for Li- and Na-ion batteries. <i>Energy Storage Materials</i> , 2021 , 43, 430-462	19.4	12
29	Template-free fabrication of rattle-type TiO ₂ hollow microspheres with superior photocatalytic performance. <i>RSC Advances</i> , 2014 , 4, 37311	3.7	11
28	Facile assembly of mesoporous silica nanoparticles with hierarchical pore structure for CO ₂ capture. <i>Chinese Chemical Letters</i> , 2019 , 30, 2347-2350	8.1	10

27	Self-etching preparation of yolk-shell Ag@carbon nanostructures for highly effective reduction of 4-nitrophenol. <i>Catalysis Communications</i> , 2017 , 102, 114-117	3.2	10
26	Synthesis of novel mesoporous silica nanoparticles for loading and release of ibuprofen. <i>Journal of Controlled Release</i> , 2011 , 152 Suppl 1, e38-9	11.7	10
25	Raspberry-like monodispersity ZnO microspheres for photodegradation of rhodamine B. <i>Materials Research Bulletin</i> , 2018 , 99, 37-44	5.1	9
24	Efficient one-pot synthesis of peapod-like hollow carbon nanomaterials for ultrahigh drug loading capacity. <i>Journal of Colloid and Interface Science</i> , 2015 , 437, 90-96	9.3	8
23	Dendritic mesoporous silica/titania nanospheres with enhanced photocatalytic activities. <i>New Journal of Chemistry</i> , 2017 , 41, 8754-8760	3.6	8
22	Synthesis of porous Li ₂ MnO ₃ -LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ nanoplates via colloidal crystal template. <i>Journal of Materials Research</i> , 2013 , 28, 1505-1511	2.5	8
21	Preparation of SnO ₂ nanowires by solvent-free method using mesoporous silica template and their gas sensitive properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 11114-8	1.3	8
20	The Transformation of Hybrid Silica Nanoparticles from Solid to Hollow or Yolk-Shell Nanostructures. <i>Chemistry - A European Journal</i> , 2017 , 23, 8066-8072	4.8	7
19	A facile in-situ etching route to hollow C@SnO ₂ nanocomposites and their gas-sensing properties. <i>Materials Research Bulletin</i> , 2018 , 103, 319-325	5.1	7
18	Two physical strategies to reinforce a nonmetallic photocatalyst, g-C ₃ N ₄ : vacuum heating and electron beam irradiation. <i>RSC Advances</i> , 2016 , 6, 14002-14008	3.7	7
17	Adina Rubella-Like Microsized SiO@N-Doped Carbon Grafted with N-Doped Carbon Nanotubes as Anodes for High-Performance Lithium Storage. <i>Small Science</i> , 2100105		7
16	Glucosamine-induced growth of highly distributed TiO ₂ nanoparticles on graphene nanosheets as high-performance photocatalysts. <i>RSC Advances</i> , 2016 , 6, 67039-67048	3.7	6
15	Carbon-incorporated, nitrogen-doped branch-like TiO ₂ nanostructure towards superior lithium storage performance. <i>Journal of Alloys and Compounds</i> , 2019 , 787, 944-951	5.7	6
14	Sn ²⁺ -Regulated Synthesis of a Bone-like Fe ₃ O ₄ @N-Doped Carbon Composite as the Anode for High-Performance Lithium Storage. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3785-3793	6.1	5
13	B-incorporated, N-doped hierarchically porous carbon nanosheets as anodes for boosted potassium storage capability. <i>Chinese Chemical Letters</i> , 2021 , 33, 480-480	8.1	4
12	Coupling Fe ₃ O ₄ /Fe _{1-x} S@Carbon with carbon-coated MoS ₂ nanosheets as a superior anode for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022 , 427, 131652	14.7	4
11	Carbon-coated MoS ₂ nanosheets@CNTs-Ti ₃ C ₂ MXene quaternary composite with the superior rate performance for sodium-ion batteries. <i>Journal of Materials Science and Technology</i> , 2022 , 100, 101-109	9.1	4
10	A simple, rapid, one-step approach for preparation of Ag@TiO ₂ nanospheres with multiple cores as effective catalyst. <i>RSC Advances</i> , 2016 , 6, 99878-99884	3.7	3

9	One-Step Hydrothermal Synthesis of Small TiO ₂ Porous Nanoparticles for Efficient Degradation of Organic Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3185-3191	1.3	3
8	Preparation of SnO ₂ nanoparticles by hard template method for high selectivity gas sensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 11023-7	1.3	3
7	Regulating the interfacial behavior of carbon nanotubes for fast lithium storage. <i>Electrochimica Acta</i> , 2021 , 388, 138591	6.7	3
6	In-situ conversion growth of carbon-coated MoS ₂ /N-doped carbon nanotubes as anodes with superior capacity retention for sodium-ion batteries. <i>Journal of Materials Science and Technology</i> , 2022 , 102, 8-15	9.1	3
5	Alkali-etching growth of nest-like Ag@mTiO hierarchical nanostructures and their potential applications. <i>Materials Science and Engineering C</i> , 2017 , 75, 1006-1013	8.3	2
4	Vacuum-Treated Mo,S-Doped TiO ₂ :Gd Mesoporous Nanospheres: An Improved Visible-Light Photocatalyst. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2895-2900	2.3	2
3	Recent Progress on Asymmetric Carbon- and Silica-Based Nanomaterials: From Synthetic Strategies to Their Applications.. <i>Nano-Micro Letters</i> , 2022 , 14, 45	19.5	2
2	Co Nanoparticles Encapsulated in N-Doped Carbon Nanotubes Grafted CNTs as Electrocatalysts for Enhanced Oxygen Reduction Reaction. <i>Advanced Materials Interfaces</i> , 2101877	4.6	2
1	K-Functionalized Carbon Quantum Dots-Induced Interface Assembly of Carbon Nanocages for Ultrastable Potassium Storage Performance.. <i>Small Methods</i> , 2022 , e2101627	12.8	0