Zhen Fang

List of Publications by Year
in descending order

85 papers	2,931 citations	172207 29 h-index	182168 51 g-index
87 all docs	87 docs citations	87 times ranked	4814 citing authors

#	Article	IF	Citations
1	Magnetic Chitosan Nanocomposites: A Useful Recyclable Tool for Heavy Metal Ion Removal. Langmuir, 2009, 25, 3-8.	1.6	480
2	Epitaxial Growth of CdS Nanoparticle on Bi₂S₃ Nanowire and Photocatalytic Application of the Heterostructure. Journal of Physical Chemistry C, 2011, 115, 13968-13976.	1.5	149
3	In Situ Formation of Co₉S₈/Nâ€C Hollow Nanospheres by Pyrolysis and Sulfurization of ZIFâ€67 for Highâ€Performance Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 9517-9524.	1.7	119
4	Fabrication of a Visible-Light-Driven Plasmonic Photocatalyst of AgVO₃@AgBr@Ag Nanobelt Heterostructures. ACS Applied Materials & Interfaces, 2014, 6, 5061-5068.	4.0	99
5	Aligned ZnO nanorods: A useful film to fabricate amperometric glucose biosensor. Colloids and Surfaces B: Biointerfaces, 2009, 74, 154-158.	2.5	84
6	Ultrasonic-Assisted Synthesis of Colloidal Mn3O4Nanoparticles at Normal Temperature and Pressure. Crystal Growth and Design, 2006, 6, 1757-1760.	1.4	76
7	Preparation of Î±-Mn2O3 and MnO from thermal decomposition of MnCO3 and control of morphology. Materials Letters, 2006, 60, 53-56.	1.3	75
8	Preparation and Characterization of Fe₃O₄/CdS Nanocomposites and Their Use as Recyclable Photocatalysts. Crystal Growth and Design, 2009, 9, 197-202.	1.4	74
9	Biodegradation of wool waste and keratinase production in scale-up fermenter with different strategies by Stenotrophomonas maltophilia BBE11-1. Bioresource Technology, 2013, 140, 286-291.	4.8	73
10	The enhanced photoelectrochemical response of SnSe2 nanosheets. CrystEngComm, 2014, 16, 2404.	1.3	68
11	Self-assembled ZnO 3D flowerlike nanostructures. Materials Letters, 2006, 60, 2530-2533.	1.3	62
12	Carboxyl Enriched Monodisperse Porous Fe₃O₄ Nanoparticles with Extraordinary Sustained-Release Property. Langmuir, 2009, 25, 7244-7248.	1.6	53
13	Copper sulfide nanotubes: facile, large-scale synthesis, and application in photodegradation. Journal of Nanoparticle Research, 2009, 11, 731-736.	0.8	50
14	CTAB-assisted hydrothermal synthesis of Ag/C nanostructures. Nanotechnology, 2006, 17, 3008-3011.	1.3	45
15	Dual function flower-like CoP/C nanosheets: High stability lithium-ion anode and excellent hydrogen evolution reaction catalyst. Electrochimica Acta, 2018, 259, 822-829.	2.6	45
16	Enhancement of the catalytic efficiency and thermostability of <scp>S</scp>tenotrophomonas sp. keratinase <scp>KerSMD</scp> by domain exchange with <scp>KerSMF</scp>. Microbial Biotechnology, 2016, 9, 35-46.	2.0	44
17	Synthesis of MnWO4nanofibres by a surfactant-assisted complexationâ€“precipitation approach and control of morphology. Nanotechnology, 2005, 16, 2407-2411.	1.3	43
18	Cooperative Capture of Uranyl Ions by a Carbonylâ€Bearing Hierarchicalâ€Porous Cuâ€“Organic Framework. Angewandte Chemie - International Edition, 2019, 58, 18808-18812.	7.2	42

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19	Heterostructure CoS/NC@MoS₂ Hollow Spheres for Highâ€Performance Hydrogen Evolution Reactions and Lithiumâ€ION Batteries. ChemElectroChem, 2018, 5, 3953-3960.	1.7	41
20	An enzymatic glucose biosensor based on a glassy carbon electrode modified with manganese dioxide nanowires. Mikrochimica Acta, 2013, 180, 627-633.	2.5	40
21	CoTe nanorods/rGO composites as a potential anode material for sodium-ion storage. Electrochimica Acta, 2019, 313, 331-340.	2.6	40
22	Excellent lithium ion storage property of porous MnCo₂O₄ nanorods. RSC Advances, 2016, 6, 23074-23084.	1.7	38
23	Generalized and Facile Synthesis of Fe3O4/MS (M = Zn, Cd, Hg, Pb, Co, and Ni) Nanocomposites. Journal of Physical Chemistry C, 2008, 112, 12728-12735.	1.5	37
24	Mechanical Properties, Electronic Structures, and Potential Applications in Lithium Ion Batteries: A First-Principles Study toward SnSe₂ Nanotubes. Journal of Physical Chemistry C, 2014, 118, 28291-28298.	1.5	37
25	Enhancement of Electrochemical Performance by the Oxygen Vacancies in Hematite as Anode Material for Lithium-Ion Batteries. Nanoscale Research Letters, 2017, 12, 13.	3.1	37
26	Amorphous Ge/C Composite Sponges: Synthesis and Application in a High-Rate Anode for Lithium Ion Batteries. Langmuir, 2017, 33, 2141-2147.	1.6	35
27	The synthesis of ZnS@MoS₂ hollow polyhedrons for enhanced lithium storage performance. CrystEngComm, 2018, 20, 7266-7274.	1.3	34
28	Spindle-shaped FeS2 enwrapped with N/S Co-doped carbon for high-rate sodium storage. Journal of Power Sources, 2020, 450, 227688.	4.0	33
29	Metal organic framework derived magnetically separable 3-dimensional hierarchical Ni@C nanocomposites: Synthesis and adsorption properties. Applied Surface Science, 2015, 359, 834-840.	3.1	32
30	Efficient electrocatalytic water splitting by bimetallic cobalt iron boride nanoparticles with controlled electronic structure. Journal of Colloid and Interface Science, 2021, 604, 650-659.	5.0	32
31	Controllable synthesis and photoreduction performance towards Cr(<scp>vi</scp>) of BiOCl microrods with exposed (110) crystal facets. New Journal of Chemistry, 2018, 42, 16911-16918.	1.4	29
32	One-pot facile synthesis of reusable tremella-like M₁@M₂@M₁(OH)₂(M₁= Co, Ni,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 catalysts. Nanoscale, 2014, 6, 9791.	2.8	28
33	Ultrafine Co_{1â€“x}S Attached to Porous Interconnected Carbon Skeleton for Sodium-Ion Batteries. Langmuir, 2019, 35, 16487-16495.	1.6	28
34	Preparation of manganese molybdate rods and hollow olive-like spheres. Journal of Materials Science, 2006, 41, 4737-4743.	1.7	27
35	Insight into the substrate specificity of keratinase KerSMD from Stenotrophomonas maltophilia by site-directed mutagenesis studies in the S1 pocket. RSC Advances, 2015, 5, 74953-74960.	1.7	27
36	Improved catalytic efficiency, thermophilicity, anti-salt and detergent tolerance of keratinase KerSMD by partially truncation of PPC domain. Scientific Reports, 2016, 6, 27953.	1.6	25

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37	Size-controlled synthesis and electrochemical performance of porous Fe₂O₃/SnO₂nanocubes as an anode material for lithium ion batteries. CrystEngComm, 2017, 19, 708-715.	1.3	25
38	Mo-doped Na3V2(PO4)3@C composites for high stable sodium ion battery cathode. Frontiers of Materials Science, 2018, 12, 53-63.	1.1	25
39	Cu2Oâ€“Au nanocomposites for enzyme-free glucose sensing with enhanced performances. Colloids and Surfaces B: Biointerfaces, 2012, 95, 279-283.	2.5	24
40	Mesocrystal precursor transformation strategy for synthesizing ordered hierarchical hollow TiO2 nanobricks with enhanced photocatalytic property. CrystEngComm, 2014, 16, 2061.	1.3	24
41	Morphology Evolution of Double Fold Hexagonal Dendrites of Copper(I) Sulfide with D6h Symmetry. Crystal Growth and Design, 2010, 10, 469-474.	1.4	23
42	Ge@C coreâ€“shell nanostructures for improved anode rate performance in lithium-ion batteries. RSC Advances, 2015, 5, 17070-17075.	1.7	23
43	Chemical and biological insights into uranium-induced apoptosis of rat hepatic cell line. Radiation and Environmental Biophysics, 2015, 54, 207-216.	0.6	22
44	Ultrathin Nanosheets Assembled Hierarchical Co/NiS_x@C Hollow Spheres for Reversible Lithium Storage. ACS Applied Nano Materials, 2018, 1, 3435-3445.	2.4	21
45	Unambiguous Discrimination of Multiple Protein Biomarkers by Nanopore Sensing with Double-Stranded DNA-Based Probes. Analytical Chemistry, 2020, 92, 1730-1737.	3.2	21
46	Fixing Cu7S4 nanocrystals on flexible carbon nanotube film for distinguished sodium storage performance. Chemical Engineering Journal, 2021, 418, 129489.	6.6	21
47	A Self-Sacrificing Template Route to Spinel MIIIn2S4 (MII = Mn, Zn, Cd, Fe, Co, Ni) and MIIn5S8 (MI = Cu,) Tj ETQq1 1 0.784314 rgBT /O	1.0	19
48	Facile and large-scale synthesis of single-crystalline manganese oxyhydroxide/oxide nanostructures. Materials Research Bulletin, 2007, 42, 1761-1768.	2.7	19
49	In Situ Growth of Ni-Based Metalâ€“Organic Framework Nanosheets on Carbon Nanotube Films for Efficient Oxygen Evolution Reaction. Inorganic Chemistry, 2021, 60, 3439-3446.	1.9	19
50	Rational nanostructured FeSe2 wrapped in nitrogen-doped carbon shell for high-rate capability and long cycling sodium-ion storage. Journal of Colloid and Interface Science, 2022, 622, 840-848.	5.0	19
51	3D hollow framework of GeOx with ultrathin shell for improved anode performance in lithium-ion batteries. Electrochimica Acta, 2015, 151, 453-458.	2.6	18
52	Direct Fabrication of Tellurium/Carbon Nanocables through a Facile Solution Route. Crystal Growth and Design, 2009, 9, 2117-2123.	1.4	17
53	Dynamic isomers engaged fabrication of copper sulfide rattle-type structures and their optoelectronic properties. CrystEngComm, 2011, 13, 5653.	1.3	17
54	Size-controllable synthesis of amorphous GeO_x hollow spheres and their lithium-storage electrochemical properties. RSC Advances, 2016, 6, 15952-15959.	1.7	17

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55	Preparation of manganese indium sulfide urchins in aqueous solution-immiscible organic solvent. Materials Research Bulletin, 2006, 41, 2325-2333.	2.7	16
56	One-pot synthesis of PbSO4-sheathed PbS butterfly-like microstructures with high luminescence property. Journal of Alloys and Compounds, 2010, 493, L25-L28.	2.8	15
57	Facile synthesis of size-tunable Cu39S28 micro/nano-crystals and small-sized configuration enhanced visible-light photocatalytic activity. CrystEngComm, 2013, 15, 5792.	1.3	15
58	Uniform hierarchical SnS microspheres: Solvothermal synthesis and lithium ion storage performance. Materials Research Bulletin, 2013, 48, 4935-4941.	2.7	15
59	Phase Evolution of Cuï£¿S System in Ethylene Glycol Solution: the Effect of Anion and PVP on the Transformation of Thiourea. Chinese Journal of Chemistry, 2013, 31, 1015-1021.	2.6	15
60	Low cost visible light driven plasmonic Agâ€“AgBr/BiVO₄ system: fabrication and application as an efficient photocatalyst. RSC Advances, 2015, 5, 39651-39656.	1.7	15
61	Photochemical synthesis and photocatalysis application of ZnS/amorphous carbon nanotubes composites. Frontiers of Optoelectronics in China, 2011, 4, 121-127.	0.2	14
62	Wogonin Prevents Rat Dorsal Root Ganglion Neurons Death via Inhibiting Tunicamycin-Induced ER Stress In Vitro. Cellular and Molecular Neurobiology, 2015, 35, 389-398.	1.7	14
63	Width- and edge-dependent magnetic properties, electronic structures, and stability of SnSe2 nanoribbons. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 59, 102-106.	1.3	13
64	Fabrication of hierarchical CdS microspheres assembled by nanowires: solid state electro-chemiluminescence in H2O2 solution. Journal of Materials Science, 2010, 45, 6805-6811.	1.7	12
65	Ethylenediamine inducing growth of {100} facets exposed PbS nanosheets. Crystal Research and Technology, 2012, 47, 635-642.	0.6	12
66	CoP nanoparticles enwrapped in N-doped carbon nanotubes for high performance lithium-ion battery anodes. Frontiers of Materials Science, 2018, 12, 214-224.	1.1	12
67	One-step synthesis of colloidal Mn3O4 and Î³-Fe2O3 nanoparticles at room temperature. Journal of Nanoparticle Research, 2007, 9, 833-840.	0.8	11
68	Oriented attachment growth of LaMn2O5+Î´ nanorods. Materials Letters, 2006, 60, 1347-1349.	1.3	10
69	Layered iron orthovanadate microrods as cathode for lithium ion batteries with enhanced cycle performance. Materials Research Bulletin, 2013, 48, 1737-1740.	2.7	10
70	Ammonia cation-assisted bubble template for synthesizing hollow TiO2 nanospheres and their application in lithium ion storage. RSC Advances, 2015, 5, 12224-12229.	1.7	10
71	Self-assembled multifunctional Fe3O4 hierarchical microspheres: high-efficiency lithium-ion battery materials and hydrogenation catalysts. Science China Materials, 2021, 64, 1058-1070.	3.5	9
72	One-step synthesis of Î±-Fe₂O_{3â€“Î´} as promising anode materials for high performance lithium-ion batteries. Materials Research Express, 2018, 5, 025502.	0.8	8

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73	Carbon Wrapped Monodispersed FeP Nanoparticles for Lithium Storage with long Cycle Life. Energy Technology, 2018, 6, 2312-2318.	1.8	8
74	Coâ€“Salen Complex-Derived CoP Nanoparticles Confined in N-Doped Carbon Microspheres for Stable Sodium Storage. Inorganic Chemistry, 2021, 60, 17151-17160.	1.9	8
75	Epitaxy of Single-Crystalline Zigzag Tin Dioxide Nanobelts. Crystal Growth and Design, 2007, 7, 2254-2257.	1.4	7
76	Cooperative Capture of Uranyl Ions by a Carbonylâ€Bearing Hierarchicalâ€Porous Cuâ€“Organic Framework. Angewandte Chemie, 2019, 131, 18984-18988.	1.6	6
77	MoS₂encapsulated in three-dimensional hollow carbon frameworks for stable anode of sodium ion batteries. CrystEngComm, 2021, 23, 5214-5225.	1.3	5
78	Synthesis and characterization of nickel chains assembled by microspheres via a polymer-free hydrothermal method. Journal of Crystal Growth, 2010, 312, 863-868.	0.7	4
79	One-pot protocol for the synthesis of PbSâ€“Au heterodimers consisting of Au nanoparticle on PbS nanooctahedrons. Micro and Nano Letters, 2012, 7, 101.	0.6	3
80	In Situ Formation of Co₉S₈/Nâ€C Hollow Nanospheres by Pyrolysis and Sulfurization of ZIFâ€67 for Highâ€Performance Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 9438-9438.	1.7	3
81	Thicknessâ€dependent photoelectrochemical property of tin disulphide nanosheets. Micro and Nano Letters, 2017, 12, 344-346.	0.6	3
82	Synthesis of Copper Oxide Hierarchical Nanostructures. Chinese Journal of Chemistry, 2010, 28, 2377-2382.	2.6	1
83	Free-radical reaction synthesis of carbon using nitrogenous organic molecules and CCl₄. New Journal of Chemistry, 2018, 42, 17407-17411.	1.4	1
84	Growth of Tin Dioxide Nanobelts Via Au-Catalytic VLS Process. Journal of Nanoscience and Nanotechnology, 2007, 7, 4567-4570.	0.9	0
85	Morphology Evolution and Luminescence Properties of YF₃: Sm Nano-/Microcrystals. Advanced Materials Research, 0, 463-464, 112-118.	0.3	0