

zheng Jiao

List of Publications by Year in descending order

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63
papers

3,182
citations

257357

24
h-index

149623

56
g-index

64
all docs

64
docs citations

64
times ranked

5616
citing authors

#	ARTICLE	IF	CITATIONS
1	Li Storage Properties of Disordered Graphene Nanosheets. <i>Chemistry of Materials</i> , 2009, 21, 3136-3142.	3.2	970
2	Monolayer graphene/NiO nanosheets with two-dimension structure for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 18792.	6.7	305
3	Self-assembly fabrication of 3D flower-like ZnO hierarchical nanostructures and their gas sensing properties. <i>CrystEngComm</i> , 2012, 14, 1775.	1.3	205
4	Hierarchical self-assembly of microscale leaf-like CuO on graphene sheets for high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 367-373.	5.2	177
5	A facile one-step synthesis of TiO ₂ /graphene composites for photodegradation of methyl orange. <i>Nano Research</i> , 2011, 4, 274-283.	5.8	176
6	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.	5.0	124
7	Three-Dimensional Interconnected Spherical Graphene Framework/SnS Nanocomposite for Anode Material with Superior Lithium Storage Performance: Complete Reversibility of Li ₂ S. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1407-1415.	4.0	101
8	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.	2.9	89
9	Porous TiO ₂ hollow nanospheres: synthesis, characterization and enhanced photocatalytic properties. <i>CrystEngComm</i> , 2012, 14, 3793.	1.3	67
10	Surfactant-free solution phase synthesis of monodispersed SnO ₂ hierarchical nanostructures and gas sensing properties. <i>CrystEngComm</i> , 2012, 14, 3169.	1.3	60
11	Self-assembly and template-free synthesis of ZnO hierarchical nanostructures and their photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 367-373.	5.0	52
12	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, 101-107.	5.0	52
13	miR-486 inhibits PM _{2.5} -induced apoptosis and oxidative stress in human lung alveolar epithelial A549 cells. <i>Annals of Translational Medicine</i> , 2018, 6, 209-209.	0.7	52
14	Nanorod-like Fe ₂ O ₃ /graphene composite as a high-performance anode material for lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 53-60.	1.5	46
15	Dual-templating synthesis of multi-shelled mesoporous silica nanoparticles as catalyst and drug carrier. <i>Microporous and Mesoporous Materials</i> , 2016, 228, 318-328.	2.2	39
16	Investigation on the laser ablation of SiC ceramics using micro-Raman mapping technique. <i>Journal of Advanced Ceramics</i> , 2016, 5, 253-261.	8.9	37
17	Flower-like C@SnO _x @C hollow nanostructures with enhanced electrochemical properties for lithium storage. <i>Nano Research</i> , 2017, 10, 2966-2976.	5.8	37
18	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.	5.8	36

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19	High electrostrictive properties and energy storage performances with excellent thermal stability in Nb-doped Bi _{0.5} Na _{0.5} TiO ₃ -based ceramics. RSC Advances, 2019, 9, 21355-21362.	1.7	36
20	Efficient sulfuric acid-Vitamin C leaching system: Towards enhanced extraction of cobalt from spent lithium-ion batteries. Journal of Material Cycles and Waste Management, 2019, 21, 942-949.	1.6	35
21	Enhanced Interactions between Gold and MnO ₂ Nanowires for Water Oxidation: A Comparison of Different Chemical and Physical Preparation Methods. ACS Sustainable Chemistry and Engineering, 2015, 3, 2049-2057.	3.2	33
22	Circulating microRNAs in Response to Exercise Training in Healthy Adults. Frontiers in Genetics, 2020, 11, 256.	1.1	33
23	One-step synthesis of high conductivity silver nanoparticle-reduced graphene oxide composite films by electron beam irradiation. Applied Surface Science, 2015, 349, 570-575.	3.1	30
24	Surfactant-assisted selective etching strategy for generation of rattle-like mesoporous silica nanoparticles. Journal of Colloid and Interface Science, 2017, 490, 497-504.	5.0	25
25	Formation of mesoporous silica nanoparticles with tunable pore structure as promising nanoreactor and drug delivery vehicle. RSC Advances, 2016, 6, 13303-13311.	1.7	22
26	Three-Dimensional Molybdenum Disulfide Nanoflowers Decorated on Graphene Nanosheets for High-Performance Lithium-Ion Batteries. ChemElectroChem, 2016, 3, 1503-1512.	1.7	20
27	SGK1 inhibits PM2.5-induced apoptosis and oxidative stress in human lung alveolar epithelial A549 cells. Biochemical and Biophysical Research Communications, 2018, 496, 1291-1295.	1.0	20
28	Intergrown SnO ₂ @TiO ₂ @graphene ternary composite as high-performance lithium-ion battery anodes. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	19
29	Synthesis of nanoparticles, nanorods, and mesoporous SnO ₂ as anode materials for lithium-ion batteries. Journal of Materials Research, 2014, 29, 609-616.	1.2	18
30	In situ chemical synthesis of SnO ₂ /reduced graphene oxide nanocomposites as anode materials for lithium-ion batteries. Journal of Materials Research, 2014, 29, 617-624.	1.2	17
31	Update on volatile organic compound (VOC) source profiles and ozone formation potential in synthetic resins industry in China. Environmental Pollution, 2021, 291, 118253.	3.7	17
32	Mineralogy of Inhalable Particulate Matter (PM10) in the Atmosphere of Beijing, China. Water, Air, and Soil Pollution, 2007, 186, 129-137.	1.1	16
33	Rosiglitazone inhibits PM2.5-induced cytotoxicity in human lung epithelial A549 cells. Annals of Translational Medicine, 2018, 6, 152-152.	0.7	16
34	A separation-free and pizza-structure PAM/GCN/PAA composite hydrogel (PCH) in wastewater treatment at visible light or solar light. Science of the Total Environment, 2020, 705, 135821.	3.9	15
35	A novel graphene modified LiMnPO ₄ as a performance-improved cathode material for lithium-ion batteries. Journal of Materials Research, 2013, 28, 2584-2589.	1.2	14
36	Carbon-mediated fabrication of core-shell structured SnO ₂ @TiO ₂ nanocomposites with excellent photocatalytic performance. RSC Advances, 2015, 5, 58439-58448.	1.7	14

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37	Controllable synthesis of rod-like SnO ₂ nanoparticles with tunable length anchored onto graphene nanosheets for improved lithium storage capability. RSC Advances, 2016, 6, 4116-4127.	1.7	13
38	A Citric Acid/Na ₂ S ₂ O ₃ System for the Efficient Leaching of Valuable Metals from Spent Lithium-Ion Batteries. Jom, 2019, 71, 3673-3681.	0.9	13
39	Template-free fabrication of rattle-type TiO ₂ hollow microspheres with superior photocatalytic performance. RSC Advances, 2014, 4, 37311.	1.7	12
40	Regulable Electron Transfer on ZnS/CoS ₂ /CC Prepared by an MOF-on-MOF Strategy for Robust LIB Performance. ACS Applied Energy Materials, 2022, 5, 5159-5169.	2.5	12
41	Efficient one-pot synthesis of peapod-like hollow carbon nanomaterials for ultrahigh drug loading capacity. Journal of Colloid and Interface Science, 2015, 437, 90-96.	5.0	10
42	Two physical strategies to reinforce a nonmetallic photocatalyst, g-C ₃ N ₄ : vacuum heating and electron beam irradiation. RSC Advances, 2016, 6, 14002-14008.	1.7	10
43	Preparation of PbSe nanoparticles by electron beam irradiation method. Bulletin of Materials Science, 2008, 31, 825-829.	0.8	9
44	Chemical lithiation route to size-controllable LiFePO ₄ /C nanocomposite. Journal of Applied Electrochemistry, 2013, 43, 611-617.	1.5	9
45	The Transformation of Hybrid Silica Nanoparticles from Solid to Hollow or Yolk-Shell Nanostructures. Chemistry - A European Journal, 2017, 23, 8066-8072.	1.7	9
46	Synthesis of porous Li ₂ MnO ₃ -LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ nanoplates via colloidal crystal template. Journal of Materials Research, 2013, 28, 1505-1511.	1.2	8
47	A novel Fe ₂ O ₃ rhombohedra/graphene composite as a high stability electrode for lithium-ion batteries. Journal of Materials Research, 2015, 30, 761-769.	1.2	7
48	AFM fabrication and characterization of nanoscale Al ₂ O ₃ patterns. Journal of Materials Science: Materials in Electronics, 2009, 20, 177-180.	1.1	6
49	Geodesics on Point Clouds. Mathematical Problems in Engineering, 2014, 2014, 1-12.	0.6	6
50	Glucosamine-induced growth of highly distributed TiO ₂ nanoparticles on graphene nanosheets as high-performance photocatalysts. RSC Advances, 2016, 6, 67039-67048.	1.7	6
51	Photodegradation of Organic Pollutants Via Carbon Nitride/Graphene-Oxide Nanocomposite Loaded on Polyacrylic Acid Hydrogel with Free Separation. Catalysis Surveys From Asia, 2021, 25, 159-167.	1.0	6
52	Radiolysis and photolysis studies on active transient species of berberine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 670-676.	2.0	5
53	Vacuum-Treated Mo,S-Doped TiO ₂ :Gd Mesoporous Nanospheres: An Improved Visible-Light Photocatalyst. European Journal of Inorganic Chemistry, 2015, 2015, 2895-2900.	1.0	4
54	A simple, rapid, one-step approach for preparation of Ag@TiO ₂ nanospheres with multiple cores as effective catalyst. RSC Advances, 2016, 6, 99878-99884.	1.7	3

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55	Self-assembly of novel core/shell structured blue fluorescent silica nanoparticles. Journal of Controlled Release, 2011, 152, e262-e263.	4.8	2
56	Human Serum-derived Extracellular Vesicles Protect A549 from PM _{2.5} -induced Cell Apoptosis. Biomedical and Environmental Sciences, 2021, 34, 40-49.	0.2	2
57	A mineralogical study of the inhalable particulate matter (PM ₁₀) in Beijing urban air. Diqiu Huaxue, 2006, 25, 2-2.	0.5	1
58	Degradation characteristic of 4-bromodiphenyl ether in mixed solutions by electron beam irradiation. Journal of Shanghai University, 2010, 14, 89-93.	0.1	1
59	Photocatalytic Degradation of 4-Bromodiphenyl Ether Using TiO ₂ /MWCNTs Composites. , 2012, , .		1
60	Fractal Germanium Patterns: Annealing Strategies and Perspectives of Metal-Induced Crystallization. Critical Reviews in Solid State and Materials Sciences, 2014, 39, 368-390.	6.8	1
61	Porous aromatic frameworks of co-cured diethynylbenzene (DEB) and vinyltrimethoxysilane (VTMS) with good thermo-oxidative stability. Iranian Polymer Journal (English Edition), 2017, 26, 413-421.	1.3	1
62	Noise-induced cooperative dynamics and its control in coupled electrochemical models. Journal of Shanghai University, 2010, 14, 241-245.	0.1	0
63	Surface hydroxyl groups: the key to a CrO ₃ /TiO ₂ catalyst for efficient catalytic oxidation of 2,2'-hydrazine diisobutyronitrile. Reaction Chemistry and Engineering, 0, , .	1.9	0