

Zengyan Wei

List of Publications by Year in descending order

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27
papers

1,188
citations

516710

16
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501196

28
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28
all docs

28
docs citations

28
times ranked

2269
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocompatible PEG@Chitosan@Carbon Dots Hybrid Nanogels for Two-Photon Fluorescence Imaging, Near-Infrared Light/pH Dual-Responsive Drug Carrier, and Synergistic Therapy. <i>Advanced Functional Materials</i> , 2015, 25, 5537-5547.	14.9	201
2	O-, N-Coordinated single Mn atoms accelerating polysulfides transformation in lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2021, 35, 12-18.	18.0	157
3	Magnetic iron oxide@fluorescent carbon dots integrated nanoparticles for dual-modal imaging, near-infrared light-responsive drug carrier and photothermal therapy. <i>Biomaterials Science</i> , 2014, 2, 915-923.	5.4	134
4	Responsive polymer@fluorescent carbon nanoparticle hybrid nanogels for optical temperature sensing, near-infrared light-responsive drug release, and tumor cell imaging. <i>Nanoscale</i> , 2014, 6, 7443-7452.	5.6	97
5	Fe ₃ O ₄ /carbon quantum dots hybrid nanoflowers for highly active and recyclable visible-light driven photocatalyst. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15740-15745.	10.3	92
6	Near-Infrared- and Visible-Light-Enhanced Metal-Free Catalytic Degradation of Organic Pollutants over Carbon-Dot-Based Carbocatalysts Synthesized from Biomass. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27703-27712.	8.0	70
7	Porous Carbon Protected Magnetite and Silver Hybrid Nanoparticles: Morphological Control, Recyclable Catalysts, and Multicolor Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9446-9453.	8.0	54
8	The Effect of Cage Shape on Nanoparticle-Based Drug Carriers: Anticancer Drug Release and Efficacy via Receptor Blockade Using Dextran-Coated Iron Oxide Nanocages. <i>Nano Letters</i> , 2016, 16, 7357-7363.	9.1	51
9	Scanning Electrochemical Microscopy Study of Permeability of a Thiolated Aryl Multilayer and Imaging of Single Nanocubes Anchored to It. <i>Langmuir</i> , 2016, 32, 2500-2508.	3.5	44
10	Rational strategy for shaped nanomaterial synthesis in reverse micelle reactors. <i>Nature Communications</i> , 2014, 5, 3870.	12.8	43
11	Mn ₃ O ₄ tetragonal bipyramid laden nitrogen doped and hierarchically porous carbon composite as positive electrode for high-performance asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2020, 451, 227775.	7.8	34
12	Ultrafine SnO ₂ anchored in ordered mesoporous carbon framework for lithium storage with high capacity and rate capability. <i>Chemical Engineering Journal</i> , 2021, 406, 126710.	12.7	27
13	Ultrafine SnO ₂ nanoparticles on delaminated MXene nanosheets as an anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 907, 164428.	5.5	25
14	Discovery of Catalytic Peptides for Inorganic Nanocrystal Synthesis by a Combinatorial Phage Display Approach. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10585-10588.	13.8	22
15	Solvents adjusted pure phase CoCO ₃ as anodes for high cycle stability. <i>Journal of Advanced Ceramics</i> , 2021, 10, 509-519.	17.4	22
16	Microstructure evolution and grain growth mechanisms of h-BN ceramics during hot-pressing. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2268-2278.	5.7	21
17	Seed-mediated growth of ultra-thin triangular magnetite nanoplates. <i>Chemical Communications</i> , 2017, 53, 11052-11055.	4.1	17
18	Biomimetic Assembly of Proteins into Microcapsules on Oil-in-Water Droplets with Structural Reinforcement via Biomolecular Recognition-Based Cross-Linking of Surface Peptides. <i>Small</i> , 2012, 8, 1341-1344.	10.0	11

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19	The shape effect of manganese(II,III) oxide nanoparticles on the performance of electrochemical capacitors. <i>Electrochimica Acta</i> , 2018, 284, 408-417.	5.2	11
20	SnO ₂ nanoparticles anchored on chlorinated graphene formed directly on Cu foil as binder-free anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , 2020, 519, 146190.	6.1	11
21	Effect of ball milling treatment on the microstructures and properties of Cr ₂ AlC powders and hot pressed bulk ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 5140-5148.	5.7	9
22	Biomimetic fabrication of genetically engineered collagen peptide-assembled freestanding films reinforced by quantum dot joints. <i>Soft Matter</i> , 2012, 8, 6871.	2.7	7
23	Enzyme-mimicking Peptides to Catalytically Grow ZnO Nanocrystals in Non-aqueous Environments. <i>ChemNanoMat</i> , 2015, 1, 319-323.	2.8	7
24	Synthesis of Air-stable PbSe Quantum Dots Using PbCl ₂ -oleylamine System. <i>Materials Today: Proceedings</i> , 2015, 2, 281-286.	1.8	5
25	One-pot crystalline ZnO nanorod growth in mineralizing peptide gels. <i>RSC Advances</i> , 2012, 2, 5516.	3.6	4
26	Screening of Oligopeptides that Recognize Inorganic Crystalline Facets of Metal Nanoparticles. <i>Israel Journal of Chemistry</i> , 2015, 55, 749-755.	2.3	3
27	Biomimetic Crystallization of MnFe ₂ O ₄ Mediated by Peptide-catalyzed Esterification at Low Temperature. <i>ChemNanoMat</i> , 2016, 2, 419-422.	2.8	2