Xiaobin Xie

List of Publications by Year
in descending order

18	669	933264 10	839398 18
papers	citations	h-index	g-index

18	18	18	1397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient and Stable Luminescence from Mn²⁺ in Core and Coreâ€“Isocrystalline Shell CsPbCl₃ Perovskite Nanocrystals. Chemistry of Materials, 2017, 29, 4265-4272.	3.2	154
2	Size-Dependent Band-Gap and Molar Absorption Coefficients of Colloidal CuInS₂ Quantum Dots. ACS Nano, 2018, 12, 8350-8361.	7.3	122
3	Thermal enhancement and quenching of upconversion emission in nanocrystals. Nanoscale, 2019, 11, 12188-12197.	2.8	72
4	Tandem catalysis with double-shelled hollow spheres. Nature Materials, 2022, 21, 572-579.	13.3	65
5	Large-Scale Synthesis of Palladium Concave Nanocubes with High-Index Facets for Sustainable Enhanced Catalytic Performance. Scientific Reports, 2015, 5, 8515.	1.6	51
6	Siteâ€Selective Trimetallic Heterogeneous Nanostructures for Enhanced Electrocatalytic Performance. Advanced Materials, 2015, 27, 5573-5577.	11.1	50
7	Quantitative 3D Characterization of Elemental Diffusion Dynamics in Individual Ag@Au Nanoparticles with Different Shapes. ACS Nano, 2019, 13, 13421-13429.	7.3	37
8	Iron oxide nanoparticle layer templated by polydopamine spheres: a novel scaffold toward hollowâ€“mesoporous magnetic nanoreactors. Nanoscale, 2015, 7, 806-813.	2.8	22
9	Toward edges-rich MoS₂ layers via chemical liquid exfoliation triggering distinctive magnetism. Materials Research Letters, 2017, 5, 267-275.	4.1	19
10	Enhanced Performance of Lithiumâ€Ion Batteries with Copper Oxide Microspheres @ Graphene Oxide Micro/Nanocomposite Electrodes. Energy Technology, 2015, 3, 488-495.	1.8	17
11	Symmetric and asymmetric epitaxial growth of metals (Ag, Pd, and Pt) onto Au nanotriangles: effects of reductants and plasmonic properties. Nanoscale, 2021, 13, 2902-2913.	2.8	10
12	Toward hybrid Au nanorods @ M (Au, Ag, Pd and Pt) coreâ€“shell heterostructures for ultrasensitive SERS probes. Nanotechnology, 2017, 28, 245602.	1.3	9
13	Smectic Liquid Crystalline Titanium Dioxide Nanorods: Reducing Attractions by Optimizing Ligand Density. Advanced Functional Materials, 2020, 30, 2005491.	7.8	9
14	Synthesis of surfactant-free Cuâ€“Pt dendritic heterostructures with highly electrocatalytic performance for methanol oxidation reaction. Materials Research Letters, 2016, 4, 212-218.	4.1	8
15	Bio-Inspired Growth of Silver Nanoparticles on 2D Materialâ€™s Scaffolds as Heterostructures with Their Enhanced Antibacterial Property. Journal of Nanoscience and Nanotechnology, 2018, 18, 3893-3900.	0.9	8
16	Single-step coating of mesoporous SiO₂ onto nanoparticles: growth of yolkâ€“shell structures from coreâ€“shell structures. Nanoscale, 2021, 13, 10925-10932.	2.8	7
17	Germanium Quantum Dot GrÃ¤tzelâ€Type Solar Cell. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800570.	0.8	5
18	Toward heterostructured transition metal hybrids with highly promoted electrochemical hydrogen evolution. RSC Advances, 2019, 9, 19924-19929.	1.7	4