

Xiaoshan Zhu

List of Publications by Year in Descending Order

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Version: 2024-04-11

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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.

25 papers	238 citations	11 h-index	14 g-index
29 ext. papers	288 ext. citations	4.2 avg, IF	3.11 L-index

#	Paper	IF	Citations
25	Mn-Doped AgZnInS/ZnS Nanocrystals (NCs): Effects of Zn Etching on the NC Optical Properties.. <i>Optical Materials</i> , 2022 , 123,	3.3	2
24	Solvothermal synthesis of transition metal (iron/copper) and nitrogen co-doped carbon nanomaterials: comparing their peroxidase-like properties. <i>Journal of Nanoparticle Research</i> , 2022 , 24, 1	2.3	1
23	Phase-Selective Solution Synthesis of Cd-Based Perovskite Derivatives and Their Structure/Emission Modulation.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 3682-3690	6.4	2
22	Immunoassay using dendritic Au-Pt nanoparticles as signal labels for detection of the biomarker of Burkholderia pseudomallei. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	1
21	A compact time-gated instrument for QDs with low excitation energy and millisecond fluorescence lifetime as signal reporters, and its detection application. <i>Review of Scientific Instruments</i> , 2019 , 90, 104701	1.7	2
20	Mn-doped Cu-Zn-In-S/ZnS nanocrystals: optical properties and their use as time-gated fluorescence probes. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	2
19	Mn Doped AZIS/ZnS Nanocrystals (NCs): Effects of Ag and Mn Levels on NC Optical Properties. <i>Journal of Alloys and Compounds</i> , 2018 , 765, 236-244	5.7	9
18	Mn Doped AlZS/ZnS Nanocrystals: Synthesis and Optical Properties. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 1077-1083	5.7	14
17	Heat-up Synthesis of Ag-In-S and Ag-In-S/ZnS Nanocrystals: Effect of Indium Precursors on Their Optical Properties. <i>Journal of Alloys and Compounds</i> , 2016 , 665, 137-143	5.7	15
16	Preparation of Photoluminescence Tunable Cu-doped AgInS and AgInS/ZnS Nanocrystals and Their Application as Cellular Imaging Probes. <i>RSC Advances</i> , 2016 , 6, 51161-51170	3.7	16
15	Thermal Decomposition Based Synthesis of Ag-In-S/ZnS Quantum Dots and Their Chlorotoxin-Modified Micelles for Brain Tumor Cell Targeting. <i>RSC Advances</i> , 2015 , 74, 60612-60620	3.7	16
14	Zwitterionic amphiphile coated magnetofluorescent nanoparticles - synthesis, characterization and tumor cell targeting. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8328-8336	7.3	14
13	Facilitated preparation of bioconjugatable zwitterionic quantum dots using dual-lipid encapsulation. <i>Journal of Colloid and Interface Science</i> , 2015 , 437, 140-146	9.3	6
12	Fabrication of MnFeO-CuInS/ZnS Magnetofluorescent Nanocomposites and Their Characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 464, 134-142	5.1	12
11	On-Chip Sensing of Thermoelectric Thin Films Merit. <i>Sensors</i> , 2015 , 15, 17232-40	3.8	3
10	A polymer encapsulation approach to prepare zwitterion-like, biocompatible quantum dots with wide pH and ionic stability. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	12
9	Cadmium and Zinc Alloyed Cu-In-S Nanocrystals and Their Optical Properties. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	13

8	MicroRNA detection using magnetic separation and zinc-based nanolabels as signal transducers. <i>Analytical Methods</i> , 2013 , 5, 801-804	3.2	2
7	Sensitive detection of cardiac biomarker using ZnS nanoparticles as novel signal transducers. <i>Biosensors and Bioelectronics</i> , 2011 , 30, 342-6	11.8	13
6	Using fluorescence measurement of zinc ions liberated from ZnS nanoparticle labels in bioassay for Escherichia coli O157:H7. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5407-5413	2.3	
5	Fluorescence signal transduction mechanism for immunoassay based on zinc ion release from ZnS nanocrystals. <i>Analyst, The</i> , 2011 , 136, 2975-80	5	8
4	Bead-Based Optical Immunoassay Using Quantum-Dot Labeling and Immunocomplex Dissociation for Detection of Escherichia coli O157:H7. <i>Analytical Letters</i> , 2011 , 44, 874-884	2.2	2
3	Magnetic bead based assay for C-reactive protein using quantum-dot fluorescence labeling and immunoaffinity separation. <i>Analyst, The</i> , 2010 , 135, 381-9	5	43
2	Compatibility of quantum dots with immunobuffers, and its effect on signal/background of quantum dot-based immunoassay. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 1345-53	4.4	9
1	Micro/nanoporous membrane based gas/water separation in microchannel. <i>Microsystem Technologies</i> , 2009 , 15, 1459-1465	1.7	18