Xiaoshan Zhu

List of Publications by Citations

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	Magnetic bead based assay for C-reactive protein using quantum-dot fluorescence labeling and immunoaffinity separation. *Analyst, The*, **2010**, 135, 381-9	5	43
24	Micro/nanoporous membrane based gas/water separation in microchannel. *Microsystem Technologies*, **2009**, 15, 1459-1465	1.7	18
23	Thermal Decomposition Based Synthesis of Ag-In-S/ZnS Quantum Dots and Their Chlorotoxin-Modified Micelles for Brain Tumor Cell Targeting. *RSC Advances*, **2015**, 74, 60612-60620	3.7	16
22	Preparation of Photoluminescence Tunable Cu-doped AgInS and AgInS/ZnS Nanocrystals and Their Application as Cellular Imaging Probes. *RSC Advances*, **2016**, 6, 51161-51170	3.7	16
21	Heat-up Synthesis of Ag-In-S and Ag-In-S/ZnS Nanocrystals: Effect of Indium Precursors on Their Optical Properties. *Journal of Alloys and Compounds*, **2016**, 665, 137-143	5.7	15
20	Zwitterionic amphiphile coated magnetofluorescent nanoparticles - synthesis, characterization and tumor cell targeting. *Journal of Materials Chemistry B*, **2015**, 3, 8328-8336	7.3	14
19	Mn Doped AIZS/ZnS Nanocrystals: Synthesis and Optical Properties. *Journal of Alloys and Compounds*, **2017**, 725, 1077-1083	5.7	14
18	Cadmium and Zinc Alloyed Cu-In-S Nanocrystals and Their Optical Properties. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	13
17	Sensitive detection of cardiac biomarker using ZnS nanoparticles as novel signal transducers. *Biosensors and Bioelectronics*, **2011**, 30, 342-6	11.8	13
16	Fabrication of MnFeO-CuInS/ZnS Magnetofluorescent Nanocomposites and Their Characterization. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2015**, 464, 134-142	5.1	12
15	A polymer encapsulation approach to prepare zwitterion-like, biocompatible quantum dots with wide pH and ionic stability. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	12
14	Mn Doped AZIS/ZnS Nanocrystals (NCs): Effects of Ag and Mn Levels on NC Optical Properties. *Journal of Alloys and Compounds*, **2018**, 765, 236-244	5.7	9
13	Compatibility of quantum dots with immunobuffers, and its effect on signal/background of quantum dot-based immunoassay. *Analytical and Bioanalytical Chemistry*, **2010**, 396, 1345-53	4.4	9
12	Fluorescence signal transduction mechanism for immunoassay based on zinc ion release from ZnS nanocrystals. *Analyst, The*, **2011**, 136, 2975-80	5	8
11	Facilitated preparation of bioconjugatable zwitterionic quantum dots using dual-lipid encapsulation. *Journal of Colloid and Interface Science*, **2015**, 437, 140-146	9.3	6
10	On-Chip Sensing of Thermoelectric Thin Films: Merit. *Sensors*, **2015**, 15, 17232-40	3.8	3
9	A compact time-gated instrument for QDs with low excitation energy and millisecond fluorescence lifetime as signal reporters, and its detection application. *Review of Scientific Instruments*, **2019**, 90, 104701	1.7	2

List of Publications

8	MicroRNA detection using magnetic separation and zinc-based nanolabels as signal transducers. *Analytical Methods*, **2013**, 5, 801-804	3.2	2
7	Bead-Based Optical Immunoassay Using Quantum-Dot Labeling and Immunocomplex Dissociation for Detection of Escherichia coli O157:H7. *Analytical Letters*, **2011**, 44, 874-884	2.2	2
6	Mn-Doped AgZnInS/ZnS Nanocrystals (NCs): Effects of Zn Etching on the NC Optical Properties.. *Optical Materials*, **2022**, 123,	3.3	2
5	Mn-doped Cu-Zn-In-S/ZnS nanocrystals: optical properties and their use as time-gated fluorescence probes. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	2
4	Phase-Selective Solution Synthesis of Cd-Based Perovskite Derivatives and Their Structure/Emission Modulation.. *Journal of Physical Chemistry Letters*, **2022**, 3682-3690	6.4	2
3	Immunoassay using dendritic Au-Pt nanoparticles as signal labels for detection of the biomarker of Burkholderia pseudomallei. *Journal of Nanoparticle Research*, **2020**, 22, 1	2.3	1
2	Solvothermal synthesis of transition metal (iron/copper) and nitrogen co□doped carbon nanomaterials: comparing their peroxidase□like properties. *Journal of Nanoparticle Research*, **2022**, 24, 1	2.3	1
1	Using fluorescence measurement of zinc ions liberated from ZnS nanoparticle labels in bioassay for Escherichia coli O157:H7. *Journal of Nanoparticle Research*, **2011**, 13, 5407-5413	2.3	