

Chenghui Xia

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Formation Mechanism of Colloidal Janus-Type Cu ₂ S/CuInS ₂ Heteronanorods via Seeded Injection. ACS Nano, 2021, 15, 9987-9999.	7.3	11
2	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. ACS Nano, 2021, , .	7.3	10
3	Seeded Growth Combined with Cation Exchange for the Synthesis of Anisotropic Cu ₂ S/ZnS, Cu ₂ S, and CuInS ₂ Nanorods. Chemistry of Materials, 2021, 33, 102-116.	3.2	12
4	First Resonance Energy Transfer between Colloidal CuInS ₂ /ZnS Quantum Dots and Dark Quenchers. Journal of Physical Chemistry C, 2020, 124, 1717-1731.	1.5	18
5	Optoelectronic Properties of Ternary III-VI ₂ Semiconductor Nanocrystals: Bright Prospects with Elusive Origins. Journal of Physical Chemistry Letters, 2019, 10, 1600-1616.	2.1	122
6	Near-Infrared-Emitting CuInS ₂ /ZnS Dot-in-Rod Colloidal Heteronanorods by Seeded Growth. Journal of the American Chemical Society, 2018, 140, 5755-5763.	6.6	45
7	Size-Dependent Band-Gap and Molar Absorption Coefficients of Colloidal CuInS ₂ Quantum Dots. ACS Nano, 2018, 12, 8350-8361.	7.3	122
8	Highly Luminescent Water-Dispersible NIR-Emitting Wurtzite CuInS ₂ /ZnS Core/Shell Colloidal Quantum Dots. Chemistry of Materials, 2017, 29, 4940-4951.	3.2	92
9	A novel ammonia complex-assisted ion-exchange strategy to fabricate heterostructured PdO/TiO ₂ nanorods with enhanced photocatalytic activities. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	6
10	A three-dimensional graphene-TiO ₂ nanotube nanocomposite with exceptional photocatalytic activity for dye degradation. Applied Surface Science, 2015, 351, 303-308.	3.1	56
11	Hierarchical Fe ₃ O ₄ @titanate microspheres with superior removal capability for water treatment: in situ growth and structure tailoring via hydrothermal assisted etching. RSC Advances, 2015, 5, 73126-73132.	1.7	4
12	Silica-coated ZnS quantum dots as fluorescent probes for the sensitive detection of Pb ²⁺ ions. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	29
13	Synthesis and characterization of gadolinium-doped nanotubular titania for enhanced photocatalysis. Journal of Alloys and Compounds, 2014, 617, 756-762.	2.8	17
14	One-step synthesis of near-infrared emitting and size tunable CuInS ₂ semiconductor nanocrystals by adjusting kinetic variables. CrystEngComm, 2014, 16, 7469-7477.	1.3	24
15	ZnS:Mn/SiO ₂ Quantum Dots Modified with PVP as Fluorescent Sensor for Pb ²⁺ Ions in Sea Water. Chinese Journal of Luminescence, 2014, 35, 858-865.	0.2	1
16	Preparation and characterization of water-soluble ZnSe:Cu/ZnS core/shell quantum dots. Applied Surface Science, 2013, 280, 673-678.	3.1	28
17	NIR-Emitting CuInS ₂ /ZnS Dot-in-Rod Colloidal Heteronanorods. , 0, , .		0
18	First Resonance Energy Transfer between Colloidal CuInS ₂ /ZnS Quantum Dots and Dark Quenchers. , 0, , .		0

#	ARTICLE	IF	CITATIONS
19	Compound Copper Chalcogenide-Based Heteronanorods: New Materials for Energy Harvesting. , 0, , .		0
20	NIR-Emitting CuInS ₂ /ZnS Dot-in-Rod Colloidal Heteronanorods. , 0, , .		0