Chenghui Xia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/42066/publications.pdf

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20	597	840585 11	940416 16
papers	citations	h-index	g-index

20	20	20	943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Size-Dependent Band-Gap and Molar Absorption Coefficients of Colloidal CuInS₂ Quantum Dots. ACS Nano, 2018, 12, 8350-8361.	7.3	122
2	Optoelectronic Properties of Ternary Iâ€“IIIâ€“VI₂ Semiconductor Nanocrystals: Bright Prospects with Elusive Origins. Journal of Physical Chemistry Letters, 2019, 10, 1600-1616.	2.1	122
3	Highly Luminescent Water-Dispersible NIR-Emitting Wurtzite CuInS₂/ZnS Core/Shell Colloidal Quantum Dots. Chemistry of Materials, 2017, 29, 4940-4951.	3.2	92
4	A three-dimensional graphene-TiO2 nanotube nanocomposite with exceptional photocatalytic activity for dye degradation. Applied Surface Science, 2015, 351, 303-308.	3.1	56
5	Near-Infrared-Emitting CuInS₂/ZnS Dot-in-Rod Colloidal Heteronanorods by Seeded Growth. Journal of the American Chemical Society, 2018, 140, 5755-5763.	6.6	45
6	Silica-coated ZnS quantum dots as fluorescent probes for the sensitive detection of Pb2+ ions. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	29
7	Preparation and characterization of water-soluble ZnSe:Cu/ZnS core/shell quantum dots. Applied Surface Science, 2013, 280, 673-678.	3.1	28
8	One-step synthesis of near-infrared emitting and size tunable CuInS₂ semiconductor nanocrystals by adjusting kinetic variables. CrystEngComm, 2014, 16, 7469-7477.	1.3	24
9	FÃ¶rster Resonance Energy Transfer between Colloidal CuInS₂/ZnS Quantum Dots and Dark Quenchers. Journal of Physical Chemistry C, 2020, 124, 1717-1731.	1.5	18
10	Synthesis and characterization of gadolinium-doped nanotubular titania for enhanced photocatalysis. Journal of Alloys and Compounds, 2014, 617, 756-762.	2.8	17
11	Seeded Growth Combined with Cation Exchange for the Synthesis of Anisotropic Cu_{2â€“x}S/ZnS, Cu_{2â€“x}S, and CuInS₂ Nanorods. Chemistry of Materials, 2021, 33, 102-116.	3.2	12
12	Synthesis and Formation Mechanism of Colloidal Janus-Type Cu2â€“xS/CuInS2 Heteronanorods via Seeded Injection. ACS Nano, 2021, 15, 9987-9999.	7.3	11
13	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. ACS Nano, 2021, , .	7.3	10
14	A novel ammonia complex-assisted ion-exchange strategy to fabricate heterostructured PdO/TiO2 nanorods with enhanced photocatalytic activities. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	6
15	Hierarchical Fe₃O₄@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
16	ZnSâˆ¶Mn/SiO2Quantum Dots Modified with PVP as Fluorescent Sensor for Pb2+Ions in Sea Water. Chinese Journal of Luminescence, 2014, 35, 858-865.	0.2	1
17	NIR-Emitting CuInS2/ZnS Dot-in-Rod Colloidal Heteronanorods. , 0, , .		0
18	FÃ¶rster Resonance Energy Transfer between Colloidal CuInS2/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 CuInS2/ZnS Dot-in-Rod Colloidal Heteronanorods. , 0, , .		0