Xiangxing Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1981447/publications.pdf

Version: 2024-02-01

33 papers	920 citations	516710 16 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	1589 citing authors

#	Article	IF	Citations
1	Ultrafast Solarâ€Blind Ultraviolet Detection by Inorganic Perovskite CsPbX₃ Quantum Dots Radial Junction Architecture. Advanced Materials, 2017, 29, 1700400.	21.0	129
2	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. Advanced Materials, 2017, 29, 1700150.	21.0	112
3	Heterostructural CsPbX₃-PbS (X = Cl, Br, I) Quantum Dots with Tunable Visâ€“NIR Dual Emission. Journal of the American Chemical Society, 2020, 142, 4464-4471.	13.7	107
4	Polyoxometalate precursors for precisely controlled synthesis of bimetallic sulfide heterostructure through nucleation-doping competition. Nanoscale, 2018, 10, 8404-8412.	5.6	65
5	Polarized Optoelectronics of CsPbX₃ (X = Cl, Br, I) Perovskite Nanoplates with Tunable Size and Thickness. Advanced Functional Materials, 2018, 28, 1800283.	14.9	63
6	Perovskite Nanoâ€Heterojunctions: Synthesis, Structures, Properties, Challenges, and Prospects. Small Structures, 2020, 1, 2000009.	12.0	52
7	Monodisperse F-Substituted Hydroxyapatite Single-Crystal Nanotubes with Amphiphilic Surface Properties. Inorganic Chemistry, 2009, 48, 5614-5616.	4.0	43
8	Allâ€Inorganic Perovskite Quantum Dots/pâ€Si Heterojunction Lightâ€Emitting Diodes under DC and AC Driving Modes. Advanced Optical Materials, 2018, 6, 1700897.	7.3	39
9	Rational Energy Band Alignment and Au Nanoparticles in Surface Plasmon Enhanced Siâ€Based Perovskite Quantum Dot Lightâ€Emitting Diodes. Advanced Optical Materials, 2018, 6, 1800693.	7.3	32
10	Reversible Transformation between CsPbBr₃ Perovskite Nanowires and Nanorods with Polarized Optoelectronic Properties. Advanced Functional Materials, 2021, 31, 2011251.	14.9	29
11	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. ACS Sustainable Chemistry and Engineering, 2018, 6, 12166-12175.	6.7	27
12	Ligand-controlled synthesis of high density and ultra-small Ru nanoparticles with excellent electrocatalytic hydrogen evolution performance. Nano Research, 2022, 15, 1269-1275.	10.4	23
13	Controllable synthesis of ultra-small metalâ€“organic framework nanocrystals composed of copper(<scp>ii</scp>) carboxylates. Nanoscale, 2016, 8, 16725-16732.	5.6	22
14	Colloidal Organometal Halide Perovskite (MAPbBrxI3â^'x, 0â‰¤xâ‰¤3) Quantum Dots: Controllable Synthesis and Tunable Photoluminescence. Scientific Reports, 2016, 6, 35931.	3.3	22
15	Dual-emission of silicon quantum dots modified by 9-ethylanthracene. Journal of Materials Chemistry C, 2014, 2, 1977-1981.	5.5	18
16	Low Power Consumption Red Light-Emitting Diodes Based on Inorganic Perovskite Quantum Dots under an Alternating Current Driving Mode. Nanomaterials, 2018, 8, 974.	4.1	17
17	CsPbX₃â€ITO (X = Cl, Br, I) Nanoâ€Heterojunctions: Voltage Tuned Positive to Negative Photoresponse. Small, 2021, 17, e2101403.	10.0	15
18	Type-II coreâ€“shell Siâ€“CdS nanocrystals: synthesis and spectroscopic and electrical properties. Chemical Communications, 2014, 50, 11922-11925.	4.1	11

#	Article	IF	Citations
19	A postsynthetic ion exchange method for tunable doping of hydroxyapatite nanocrystals. RSC Advances, 2017, 7, 56537-56542.	3.6	11
20	Shape-control of CeF₃ nanocrystals by doping polyoxometalates: syntheses, characterization and tunable photoluminescence. Chemical Communications, 2019, 55, 1619-1622.	4.1	9
21	Continuous preparation of antimony nanocrystals with near infrared photothermal property by pulsed laser ablation in liquids. Scientific Reports, 2020, 10, 15095.	3.3	9
22	Ambipolar Photoresponse of CsPbX₃-ZnO (X = Cl, Br, and I) Heterojunctions. ACS Applied Electronic Materials, 2022, 4, 1525-1532.	4.3	9
23	Sb@Sâ€“Nâ€“C nanocomposite as long-cycle stable anode material for lithium ion batteries. Journal of Alloys and Compounds, 2020, 814, 152161.	5.5	7
24	General Preparation and Shaping of Multifunctional Nanowire Aerogels for Pressure/Gas/Photo-Sensing. Advanced Fiber Materials, 2022, 4, 66-75.	16.1	7
25	Ternary phase diagram of all-inorganic perovskite CsPbClaBrbI3â^'aâ^'b nanocrystals. Nano Research, 2022, 15, 7590-7596.	10.4	7
26	Colloidal Nanocrystals Fluoresced by Surface Coordination Complexes. Scientific Reports, 2014, 4, 5480.	3.3	6
27	Synthesis and spectroscopic properties of silver-fluorescein co-doped phosphotungstate hollow spheres. Dalton Transactions, 2018, 47, 7730-7738.	3.3	6
28	Functionalized silicon quantum dots by N-vinylcarbazole: synthesis and spectroscopic properties. Nanoscale Research Letters, 2014, 9, 384.	5.7	5
29	Synthesis of copper micro-rods with layered nano-structure by thermal decomposition of the coordination complex Cu(BTA)2. Nanoscale Research Letters, 2015, 10, 42.	5.7	5
30	Exciton Coupling of Surface Complexes on a Nanocrystal Surface. ChemPhysChem, 2014, 15, 2536-2541.	2.1	4
31	Noncontact evaluation of full elastic constants of perovskite MAPbBr3 via Photoacoustic eigen-spectrum analysis in one test. Scientific Reports, 2020, 10, 9994.	3.3	4
32	Hybrid Graphene-Perovskite Quantum Dot Photodetectors With Solar-Blind UV and Visible Light Response. IEEE Photonics Technology Letters, 2022, 34, 101-104.	2.5	4
33	Perovskite Quantum Dot Photodetectors. Springer Series in Materials Science, 2020, , 181-218.	0.6	1