

# Xiangxing Xu

## List of Publications by Year in descending order

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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	General Preparation and Shaping of Multifunctional Nanowire Aerogels for Pressure/Gas/Photo-Sensing. <i>Advanced Fiber Materials</i> , 2022, 4, 66-75.	16.1	7
2	Ligand-controlled synthesis of high density and ultra-small Ru nanoparticles with excellent electrocatalytic hydrogen evolution performance. <i>Nano Research</i> , 2022, 15, 1269-1275.	10.4	23
3	Hybrid Graphene-Perovskite Quantum Dot Photodetectors With Solar-Blind UV and Visible Light Response. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 101-104.	2.5	4
4	Ambipolar Photoresponse of CsPbX <sub>3</sub> -ZnO (X = Cl, Br, and I) Heterojunctions. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1525-1532.	4.3	9
5	Ternary phase diagram of all-inorganic perovskite CsPbCl <sub>3</sub> Br <sub>3</sub> nanocrystals. <i>Nano Research</i> , 2022, 15, 7590-7596.	10.4	7
6	Reversible Transformation between CsPbBr <sub>3</sub> Perovskite Nanowires and Nanorods with Polarized Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2021, 31, 2011251.	14.9	29
7	CsPbX <sub>3</sub> ∕ITO (X = Cl, Br, I) Nano-Heterojunctions: Voltage Tuned Positive to Negative Photoresponse. <i>Small</i> , 2021, 17, e2101403.	10.0	15
8	Sb@S <sub>2</sub> N <sub>4</sub> C nanocomposite as long-cycle stable anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152161.	5.5	7
9	Perovskite Nano-Heterojunctions: Synthesis, Structures, Properties, Challenges, and Prospects. <i>Small Structures</i> , 2020, 1, 2000009.	12.0	52
10	Continuous preparation of antimony nanocrystals with near infrared photothermal property by pulsed laser ablation in liquids. <i>Scientific Reports</i> , 2020, 10, 15095.	3.3	9
11	Noncontact evaluation of full elastic constants of perovskite MAPbBr <sub>3</sub> via Photoacoustic eigen-spectrum analysis in one test. <i>Scientific Reports</i> , 2020, 10, 9994.	3.3	4
12	Heterostructural CsPbX <sub>3</sub> -PbS (X = Cl, Br, I) Quantum Dots with Tunable Vis-NIR Dual Emission. <i>Journal of the American Chemical Society</i> , 2020, 142, 4464-4471.	13.7	107
13	Perovskite Quantum Dot Photodetectors. <i>Springer Series in Materials Science</i> , 2020, , 181-218.	0.6	1
14	Shape-control of CeF <sub>3</sub> nanocrystals by doping polyoxometalates: syntheses, characterization and tunable photoluminescence. <i>Chemical Communications</i> , 2019, 55, 1619-1622.	4.1	9
15	Polyoxometalate precursors for precisely controlled synthesis of bimetallic sulfide heterostructure through nucleation-doping competition. <i>Nanoscale</i> , 2018, 10, 8404-8412.	5.6	65
16	Polarized Optoelectronics of CsPbX <sub>3</sub> (X = Cl, Br, I) Perovskite Nanoplates with Tunable Size and Thickness. <i>Advanced Functional Materials</i> , 2018, 28, 1800283.	14.9	63
17	All-Inorganic Perovskite Quantum Dots/p-Si Heterojunction Light-Emitting Diodes under DC and AC Driving Modes. <i>Advanced Optical Materials</i> , 2018, 6, 1700897.	7.3	39
18	Low Power Consumption Red Light-Emitting Diodes Based on Inorganic Perovskite Quantum Dots under an Alternating Current Driving Mode. <i>Nanomaterials</i> , 2018, 8, 974.	4.1	17

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19	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12166-12175.	6.7	27
20	Rational Energy Band Alignment and Au Nanoparticles in Surface Plasmon Enhanced Si-Based Perovskite Quantum Dot Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800693.	7.3	32
21	Synthesis and spectroscopic properties of silver-fluorescein co-doped phosphotungstate hollow spheres. <i>Dalton Transactions</i> , 2018, 47, 7730-7738.	3.3	6
22	Ultrafast Solar-Blind Ultraviolet Detection by Inorganic Perovskite CsPbX <sub>3</sub> Quantum Dots Radial Junction Architecture. <i>Advanced Materials</i> , 2017, 29, 1700400.	21.0	129
23	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. <i>Advanced Materials</i> , 2017, 29, 1700150.	21.0	112
24	A postsynthetic ion exchange method for tunable doping of hydroxyapatite nanocrystals. <i>RSC Advances</i> , 2017, 7, 56537-56542.	3.6	11
25	Controllable synthesis of ultra-small metal-organic framework nanocrystals composed of copper( <i>scp</i> ) carboxylates. <i>Nanoscale</i> , 2016, 8, 16725-16732.	5.6	22
26	Colloidal Organometal Halide Perovskite (MAPbBr <sub>3</sub> ) Quantum Dots: Controllable Synthesis and Tunable Photoluminescence. <i>Scientific Reports</i> , 2016, 6, 35931.	3.3	22
27	Synthesis of copper micro-rods with layered nano-structure by thermal decomposition of the coordination complex Cu(BTA) <sub>2</sub> . <i>Nanoscale Research Letters</i> , 2015, 10, 42.	5.7	5
28	Type-II core-shell CdS nanocrystals: synthesis and spectroscopic and electrical properties. <i>Chemical Communications</i> , 2014, 50, 11922-11925.	4.1	11
29	Dual-emission of silicon quantum dots modified by 9-ethylanthracene. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1977-1981.	5.5	18
30	Functionalized silicon quantum dots by N-vinylcarbazole: synthesis and spectroscopic properties. <i>Nanoscale Research Letters</i> , 2014, 9, 384.	5.7	5
31	Exciton Coupling of Surface Complexes on a Nanocrystal Surface. <i>ChemPhysChem</i> , 2014, 15, 2536-2541.	2.1	4
32	Colloidal Nanocrystals Fluoresced by Surface Coordination Complexes. <i>Scientific Reports</i> , 2014, 4, 5480.	3.3	6
33	Monodisperse F-Substituted Hydroxyapatite Single-Crystal Nanotubes with Amphiphilic Surface Properties. <i>Inorganic Chemistry</i> , 2009, 48, 5614-5616.	4.0	43