

Chengxi Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Smoothing the energy transfer pathway in quasi-2D perovskite films using methanesulfonate leads to highly efficient light-emitting devices. <i>Nature Communications</i> , 2021, 12, 1246.	12.8	274
2	Core/Shell Perovskite Nanocrystals: Synthesis of Highly Efficient and Environmentally Stable FAPbBr ₃ /CsPbBr ₃ for LED Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1910582.	14.9	135
3	Core/Shell Metal Halide Perovskite Nanocrystals for Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2100438.	14.9	67
4	Improving Efficiency and Stability in Quasi-2D Perovskite Light-Emitting Diodes by a Multifunctional LiF Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43018-43023.	8.0	53
5	Metal Halide Perovskite Nanorods: Shape Matters. <i>Advanced Materials</i> , 2020, 32, e2002736.	21.0	48
6	Lattice Distortion in Mixed-Anion Lead Halide Perovskite Nanorods Leads to their High Fluorescence Anisotropy. , 2020, 2, 814-820.		33
7	Hybrid light emitting diodes based on stable, high brightness all-inorganic CsPbI ₃ perovskite nanocrystals and InGaN. <i>Nanoscale</i> , 2019, 11, 13450-13457.	5.6	29
8	High Efficient and Stable Solid Solar Cell: Based on FeS ₂ Nanocrystals and P3HT: PCBM. <i>Energy Procedia</i> , 2015, 75, 2181-2186.	1.8	26
9	High Efficient Planar-heterojunction Perovskite Solar Cell Based on Two-step Deposition Process. <i>Energy Procedia</i> , 2017, 105, 793-798.	1.8	18
10	Enhancement of the photoelectric performance in inverted bulk heterojunction solid solar cell with inorganic nanocrystals. <i>Applied Energy</i> , 2017, 185, 2217-2223.	10.1	17
11	Tenâ€Gramâ€Scale Synthesis of FAPbX ₃ Perovskite Nanocrystals by a Highâ€Power Roomâ€Temperature Ultrasonicâ€Assisted Strategy and Their Electroluminescence. <i>Advanced Materials Technologies</i> , 2020, 5, 1901089.	5.8	16
12	Boosting Efficiency of InP Quantum Dots-Based Light-Emitting Diodes by an In-Doped ZnO Electron Transport Layer. <i>IEEE Electron Device Letters</i> , 2021, 42, 1806-1809.	3.9	15
13	Defect-Assisted High Photoconductive UVâ€Visible Gain in Perovskite-Decorated Graphene Transistors. <i>ACS Applied Electronic Materials</i> , 2020, 2, 147-154.	4.3	13
14	Boosting the efficiency and stability of green InP quantum dot light emitting diodes by interface dipole modulation. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8192-8198.	5.5	12
15	CsPb(Br/I) ₃ Perovskite Nanocrystals for Hybrid GaN-Based High-Bandwidth White Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2021, 4, 8383-8389.	5.0	10
16	Growth of perovskite nanocrystals in poly-tetra fluoroethylene based microsystem: on-line and off-line measurements. <i>Nanotechnology</i> , 2019, 30, 145602.	2.6	9
17	PTFE-based microreactor system for the continuous synthesis of full-visible-spectrum emitting cesium lead halide perovskite nanocrystals. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2521-2529.	2.8	8
18	Halide perovskite based light-emitting diodes: a scaling up perspective. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7532-7538.	5.5	7

#	ARTICLE	IF	CITATIONS
19	Light-Induced Stark Effect and Reversible Photoluminescence Quenching in Inorganic Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2021, 9, 2100104.	7.3	3
20	A high quality and quantity hybrid perovskite quantum dots (CsPbX ₃ , X= Cl, Br and I) powders synthesis via ionic displacement. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 100, 012057.	0.3	2
21	Strong Cube Texture Formation in Heavily Cold-Rolled Ni ₈ W/Ni ₁₂ W/Ni ₈ W Composite Alloy Substrates Used in YBCO Coated Conductors. <i>Metals and Materials International</i> , 2021, 27, 1337-1345.	3.4	2
22	Metal Halide Perovskites: Metal Halide Perovskite Nanorods: Shape Matters (<i>Adv. Mater.</i> 46/2020). <i>Advanced Materials</i> , 2020, 32, 2070348.	21.0	1