

Xiaoli Zhang

List of Publications by Year in descending order

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35
papers

1,900
citations

394421

19
h-index

395702

33
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36
all docs

36
docs citations

36
times ranked

3279
citing authors

#	ARTICLE	IF	CITATIONS
1	All-inorganic Perovskite Nanocrystals for High-Efficiency Light Emitting Diodes: Dual-Phase CsPbBr ₃ -CsPb ₂ Br ₅ Composites. <i>Advanced Functional Materials</i> , 2016, 26, 4595-4600.	14.9	425
2	Hybrid Perovskite Light-Emitting Diodes Based on Perovskite Nanocrystals with Organic-Inorganic Mixed Cations. <i>Advanced Materials</i> , 2017, 29, 1606405.	21.0	235
3	High-performance piezoelectric nanogenerators composed of formamidinium lead halide perovskite nanoparticles and poly(vinylidene fluoride). <i>Nano Energy</i> , 2017, 37, 126-135.	16.0	164
4	Flexible Piezoelectric Nanocomposite Generators Based on Formamidinium Lead Halide Perovskite Nanoparticles. <i>Advanced Functional Materials</i> , 2016, 26, 7708-7716.	14.9	163
5	Thin film perovskite light-emitting diode based on CsPbBr ₃ powders and interfacial engineering. <i>Nano Energy</i> , 2017, 37, 40-45.	16.0	107
6	Plasmonic Perovskite Light-Emitting Diodes Based on the Ag-CsPbBr ₃ System. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4926-4931.	8.0	91
7	Efficient and Thermally Stable Broad-Band Near-Infrared Emission in a KAlP ₂ O ₇ :Cr ³⁺ Phosphor for Nondestructive Examination. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11663-11671.	8.0	88
8	Advanced three-component ZnO/Ag/CdS nanocomposite photoanode for photocatalytic water splitting. <i>Journal of Power Sources</i> , 2014, 269, 466-472.	7.8	82
9	Efficient light-emitting diodes based on green perovskite nanocrystals with mixed-metal cations. <i>Nano Energy</i> , 2016, 30, 511-516.	16.0	76
10	All-Perovskite Photodetector with Fast Response. <i>Nanoscale Research Letters</i> , 2019, 14, 291.	5.7	48
11	Codoping-Induced, Rhombus-Shaped Co ₃ O ₄ Nanosheets as an Active Electrode Material for Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21745-21750.	8.0	43
12	Achieving an ultra-broadband infrared emission through efficient energy transfer in LiInP ₂ O ₇ : Cr ³⁺ , Yb ³⁺ phosphor. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162386.	5.5	40
13	Organometal Trihalide Perovskites with Intriguing Ferroelectric and Piezoelectric Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1702207.	14.9	37
14	Synergistic effects in biphasic nanostructured electrocatalyst: Crystalline core versus amorphous shell. <i>Nano Energy</i> , 2017, 41, 788-797.	16.0	27
15	4: Flexible Quantum Dot Color Converter Film for Micro-LED Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 30-33.	0.3	27
16	Electric Bias Induced Degradation in Organic-Inorganic Hybrid Perovskite Light-Emitting Diodes. <i>Scientific Reports</i> , 2018, 8, 15799.	3.3	26
17	Unveiling the Critical Role of Oxidants and Additives in Doped Spiro-OMeTAD toward Stable and Efficient Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 3595-3604.	5.1	24
18	Evaporated Undoped Spiro-OMeTAD Enables Stable Perovskite Solar Cells Exceeding 20% Efficiency. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	22

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19	Less-Lead Control toward Highly Efficient Formamidinium-Based Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 24242-24248.	8.0	21
20	Direct and Indirect Recombination and Thermal Kinetics of Excitons in Colloidal All-Inorganic Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 19844-19850.	3.1	21
21	Strong hot-phonon bottleneck effect in all-inorganic perovskite nanocrystals. Applied Physics Letters, 2020, 116, .	3.3	19
22	<i>In situ</i> synthesis of blue-emitting bromide-based perovskite nanoplatelets towards unity quantum efficiency and ultrahigh stability. Journal of Materials Chemistry C, 2021, 9, 5535-5543.	5.5	19
23	Synergistic effects of morphological control and enhanced charge collection enable efficient and stable lead-free CsBi ₃ I ₁₀ thin film solar cells. Journal of Materials Chemistry A, 2022, 10, 9384-9392.	10.3	16
24	Facile Exfoliation of the Perovskite Thin Film for Visualizing the Buried Interfaces in Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 7458-7465.	5.1	15
25	Phonon mode transformation in size-evolved solution-processed inorganic lead halide perovskite. Nanoscale, 2018, 10, 9892-9898.	5.6	14
26	Deep Blue Emission of All-Bromide-Based Cesium Lead Perovskite Nanocrystals. Journal of Physical Chemistry C, 2020, 124, 1617-1622.	3.1	14
27	Exciton-Polariton Properties in Planar Microcavity of Millimeter-Sized Two-Dimensional Perovskite Sheet. ACS Applied Materials & Interfaces, 2020, 12, 5081-5089.	8.0	14
28	Formamidinium-Based Quasi-2D Perovskite Nanoplates With Dimensionally Tuned Optical Properties. IEEE Nanotechnology Magazine, 2018, 17, 1165-1170.	2.0	8
29	Surface modification toward luminescent and stable silica-coated quantum dots color filter. Science China Materials, 2019, 62, 1463-1469.	6.3	5
30	Temperature-Dependent Optical Properties of Perovskite Quantum Dots with Mixed-A-Cations. Micromachines, 2022, 13, 457.	2.9	5
31	Properties of mesoporous hybrid perovskite nanocrystals and its application in light-emitting diodes. Nanotechnology, 2021, 32, 485708.	2.6	2
32	EA-Directing Formamidinium-Based Perovskite Microwires with A-Site Doping. ACS Omega, 2021, 6, 7157-7164.	3.5	1
33	20 th : Mixed-Cation Perovskite Light-Emitting Diodes with High Brightness and High Current Efficiency. Digest of Technical Papers SID International Symposium, 2017, 48, 276-279.	0.3	0
34	7.4: Metal Halide Perovskite Nanophosphors for Micro-LEDs. Digest of Technical Papers SID International Symposium, 2019, 50, 65-68.	0.3	0
35	A Short Review on Surface-Confined Monolayers of π -Conjugated Polymers for Photovoltaics. Solar Rrl, 0, , 2101086.	5.8	0