Yue-Min Xie

List of Publications by Year
in descending order

25	1,231	471061 17	580395 25
papers	citations	h-index	g-index

26	26	26	1771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	D-A-Ï€-A-D-type Dopant-free Hole Transport Material for Low-Cost, Efficient, and Stable Perovskite Solar Cells. Joule, 2021, 5, 249-269.	11.7	203
2	Ultraviolet-ozone surface modification for non-wetting hole transport materials based inverted planar perovskite solar cells with efficiency exceeding 18%. Journal of Power Sources, 2017, 360, 157-165.	4.0	106
3	18% High-Efficiency Air-Processed Perovskite Solar Cells Made in a Humid Atmosphere of 70% RH. Solar Rrl, 2017, 1, 1700097.	3.1	97
4	Impact of surface dipole in NiOx on the crystallization and photovoltaic performance of organometal halide perovskite solar cells. Nano Energy, 2019, 61, 496-504.	8.2	92
5	Air-processed mixed-cation Cs_{0.15}FA_{0.85}PbI₃ planar perovskite solar cells derived from a PbI₂â€“CsIâ€“FAI intermediate complex. Journal of Materials Chemistry A, 2018, 6, 7731-7740.	5.2	75
6	Porphyrin-based thick-film bulk-heterojunction solar cells for indoor light harvesting. Journal of Materials Chemistry C, 2018, 6, 9111-9118.	2.7	67
7	Suppressing Ion Migration across Perovskite Grain Boundaries by Polymer Additives. Advanced Functional Materials, 2021, 31, 2006802.	7.8	66
8	Spacer Engineering of Diammoniumâ€Based 2D Perovskites toward Efficient and Stable 2D/3D Heterostructure Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, 2102973.	10.2	63
9	Charge transfer-induced photoluminescence in ZnO nanoparticles. Nanoscale, 2019, 11, 8736-8743.	2.8	48
10	Improving the conductivity of solâ€“gel derived NiO_x with a mixed oxide composite to realize over 80% fill factor in inverted planar perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 9578-9586.	5.2	47
11	Homogeneous Grain Boundary Passivation in Wideâ€Bandgap Perovskite Films Enables Fabrication of Monolithic Perovskite/Organic Tandem Solar Cells with over 21% Efficiency. Advanced Functional Materials, 2022, 32, .	7.8	42
12	FAâ€Assistant Iodide Coordination in Organicâ€“Inorganic Wideâ€Bandgap Perovskite with Mixed Halides. Small, 2020, 16, e1907226.	5.2	38
13	Revealing the crystallization process and realizing uniform 1.8 eV MA-based wide-bandgap mixed-halide perovskites via solution engineering. Nano Research, 2019, 12, 1033-1039.	5.8	37
14	Direct observation of cation-exchange in liquid-to-solid phase transformation in FA_{1â^'x}MA_xPbI₃ based perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 9081-9088.	5.2	35
15	Metalâ€Halide Perovskite Crystallization Kinetics: A Review of Experimental and Theoretical Studies. Advanced Energy Materials, 2021, 11, 2100784.	10.2	35
16	Subtle side chain modification of triphenylamineâ€based polymer holeâ€transport layer materials produces efficient and stable inverted perovskite solar cells. , 2022, 1, 281-293.		34
17	Porous and Intercrossed PbI₂â€“CsI Nanorod Scaffold for Inverted Planar FAâ€“Cs Mixed-Cation Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 6126-6135.	4.0	32
18	Synergistic Effect of Pseudo-Halide Thiocyanate Anion and Cesium Cation on Realizing High-Performance Pinhole-Free MA-Based Wide-Band Gap Perovskites. ACS Applied Materials & Interfaces, 2019, 11, 25909-25916.	4.0	23

#	Article	IF	Citations
19	Monolithic perovskite/organic tandem solar cells: Developments, prospects, and challenges. Nano Select, 2021, 2, 1266-1276.	1.9	18
20	The Role of Diammonium Cation on the Structural and Optoelectronic Properties in 3D Cesiumâ€“Formamidinium Mixedâ€Cation Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900140.	3.1	16
21	Efficient blue/white phosphorescent organic light-emitting diodes based on a silicon-based host material via a direct carbonâ€“nitrogen bond. Journal of Materials Chemistry C, 2015, 3, 5347-5353.	2.7	15
22	Solution processable small molecule based organic light-emitting devices prepared by dip-coating method. Organic Electronics, 2018, 55, 1-5.	1.4	12
23	Understanding the role of interconnecting layer on determining monolithic perovskite/organic tandem device carrier recombination properties. Journal of Energy Chemistry, 2022, 71, 12-19.	7.1	12
24	High efficiency and low driving voltage blue/white electrophosphorescence enabled by the synergistic combination of singlet and triplet energy of bicarbazole derivatives. Organic Electronics, 2015, 26, 25-29.	1.4	9
25	Spacer Engineering of Diammoniumâ€Based 2D Perovskites toward Efficient and Stable 2D/3D Heterostructure Perovskite Solar Cells (Adv. Energy Mater. 2/2022). Advanced Energy Materials, 2022, 12, 2270004.	10.2	1