

Yue-Min Xie

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

704
citations

15
h-index

26
g-index

26
ext. papers

933
ext. citations

11.8
avg, IF

4.15
L-index

#	Paper	IF	Citations
23	Spacer Engineering of Diammonium-Based 2D Perovskites toward Efficient and Stable 2D/3D Heterostructure Perovskite Solar Cells (Adv. Energy Mater. 2/2022). <i>Advanced Energy Materials</i> , 2022 , 12, 2270004	21.8	0
22	Metal-Halide Perovskite Crystallization Kinetics: A Review of Experimental and Theoretical Studies. <i>Advanced Energy Materials</i> , 2021 , 11, 2100784	21.8	10
21	Suppressing Ion Migration across Perovskite Grain Boundaries by Polymer Additives. <i>Advanced Functional Materials</i> , 2021 , 31, 2006802	15.6	33
20	D-A-FA-D-type Dopant-free Hole Transport Material for Low-Cost, Efficient, and Stable Perovskite Solar Cells. <i>Joule</i> , 2021 , 5, 249-269	27.8	70
19	Monolithic perovskite/organic tandem solar cells: Developments, prospects, and challenges. <i>Nano Select</i> , 2021 , 2, 1266-1276	3.1	7
18	FA-Assistant Iodide Coordination in Organic-Inorganic Wide-Bandgap Perovskite with Mixed Halides. <i>Small</i> , 2020 , 16, e1907226	11	22
17	Improving the conductivity of sol-gel derived NiOx with a mixed oxide composite to realize over 80% fill factor in inverted planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9578-9586	13	31
16	Porous and Intercrossed PbI-CsI Nanorod Scaffold for Inverted Planar FA-Cs Mixed-Cation Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6126-6135	9.5	20
15	Impact of surface dipole in NiOx on the crystallization and photovoltaic performance of organometal halide perovskite solar cells. <i>Nano Energy</i> , 2019 , 61, 496-504	17.1	60
14	The Role of Diammonium Cation on the Structural and Optoelectronic Properties in 3D Cesium Formamidinium Mixed-Cation Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900140	7.1	11
13	Charge transfer-induced photoluminescence in ZnO nanoparticles. <i>Nanoscale</i> , 2019 , 11, 8736-8743	7.7	26
12	Revealing the crystallization process and realizing uniform 1.8 eV MA-based wide-bandgap mixed-halide perovskites via solution engineering. <i>Nano Research</i> , 2019 , 12, 1033-1039	10	26
11	Synergistic Effect of Pseudo-Halide Thiocyanate Anion and Cesium Cation on Realizing High-Performance Pinhole-Free MA-Based Wide-Band Gap Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25909-25916	9.5	14
10	Direct observation of cation-exchange in liquid-to-solid phase transformation in FA1-xMAxPbI3 based perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9081-9088	13	29
9	Solution processable small molecule based organic light-emitting devices prepared by dip-coating method. <i>Organic Electronics</i> , 2018 , 55, 1-5	3.5	8
8	Air-processed mixed-cation Cs0.15FA0.85PbI3 planar perovskite solar cells derived from a PbI2CsI-FAI intermediate complex. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7731-7740	13	57
7	Porphyryin-based thick-film bulk-heterojunction solar cells for indoor light harvesting. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9111-9118	7.1	55

6	Ultraviolet-ozone surface modification for non-wetting hole transport materials based inverted planar perovskite solar cells with efficiency exceeding 18%. <i>Journal of Power Sources</i> , 2017 , 360, 157-165	8.9	86
5	18% High-Efficiency Air-Processed Perovskite Solar Cells Made in a Humid Atmosphere of 70% RH. <i>Solar Rrl</i> , 2017 , 1, 1700097	7.1	75
4	High efficiency and low driving voltage blue/white electrophosphorescence enabled by the synergistic combination of singlet and triplet energy of bicarbazole derivatives. <i>Organic Electronics</i> , 2015 , 26, 25-29	3.5	8
3	Efficient blue/white phosphorescent organic light-emitting diodes based on a silicon-based host material via a direct carbon-nitrogen bond. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5347-5353	7.1	15
2	Homogeneous Grain Boundary Passivation in Wide-Bandgap Perovskite Films Enables Fabrication of Monolithic Perovskite/Organic Tandem Solar Cells with over 21% Efficiency. <i>Advanced Functional Materials</i> , 2112126	15.6	8
1	Spacer Engineering of Diammonium-Based 2D Perovskites toward Efficient and Stable 2D/3D Heterostructure Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2102973	21.8	18