Yue-Min Xie

List of Publications by Citations

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	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	8.9	86
22	18% High-Efficiency Air-Processed Perovskite Solar Cells Made in a Humid Atmosphere of 70% RH. *Solar Rrl*, **2017**, 1, 1700097	7.1	75
21	D-A-□A-D-type Dopant-free Hole Transport Material for Low-Cost, Efficient, and Stable Perovskite Solar Cells. *Joule*, **2021**, 5, 249-269	27.8	70
20	Impact of surface dipole in NiOx on the crystallization and photovoltaic performance of organometal halide perovskite solar cells. *Nano Energy*, **2019**, 61, 496-504	17.1	60
19	Air-processed mixed-cation Cs0.15FA0.85PbI3 planar perovskite solar cells derived from a PbI2□CsI□FAI intermediate complex. *Journal of Materials Chemistry A*, **2018**, 6, 7731-7740	13	57
18	Porphyrin-based thick-film bulk-heterojunction solar cells for indoor light harvesting. *Journal of Materials Chemistry C*, **2018**, 6, 9111-9118	7.1	55
17	Suppressing Ion Migration across Perovskite Grain Boundaries by Polymer Additives. *Advanced Functional Materials*, **2021**, 31, 2006802	15.6	33
16	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. *Journal of Materials Chemistry A*, **2019**, 7, 9578-9586	13	31
15	Direct observation of cation-exchange in liquid-to-solid phase transformation in FA1□MAxPbI3 based perovskite solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 9081-9088	13	29
14	Charge transfer-induced photoluminescence in ZnO nanoparticles. *Nanoscale*, **2019**, 11, 8736-8743	7.7	26
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	10	26
12	FA-Assistant Iodide Coordination in Organic-Inorganic Wide-Bandgap Perovskite with Mixed Halides. *Small*, **2020**, 16, e1907226	11	22
11	Porous and Intercrossed PbI-CsI Nanorod Scaffold for Inverted Planar FA-Cs Mixed-Cation Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 6126-6135	9.5	20
10	Spacer Engineering of Diammonium-Based 2D Perovskites toward Efficient and Stable 2D/3D Heterostructure Perovskite Solar Cells. *Advanced Energy Materials*,2102973	21.8	18
9	Efficient blue/white phosphorescent organic light-emitting diodes based on a silicon-based host material via a direct carbon□itrogen bond. *Journal of Materials Chemistry C*, **2015**, 3, 5347-5353	7.1	15
8	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	9.5	14
7	The Role of Diammonium Cation on the Structural and Optoelectronic Properties in 3D Cesium□ormamidinium Mixed-Cation Perovskite Solar Cells. *Solar Rrl*, **2019**, 3, 1900140	7.1	11

6	Metal-Halide Perovskite Crystallization Kinetics: A Review of Experimental and Theoretical Studies. *Advanced Energy Materials*, **2021**, 11, 2100784	21.8	10
5	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	3.5	8
4	Solution processable small molecule based organic light-emitting devices prepared by dip-coating method. *Organic Electronics*, **2018**, 55, 1-5	3.5	8
3	Homogeneous Grain Boundary Passivation in Wide-Bandgap Perovskite Films Enables Fabrication of Monolithic Perovskite/Organic Tandem Solar Cells with over 21% Efficiency. *Advanced Functional Materials*,2112126	15.6	8
2	Monolithic perovskite/organic tandem solar cells: Developments, prospects, and challenges. *Nano Select*, **2021**, 2, 1266-1276	3.1	7
1	Spacer Engineering of Diammonium-Based 2D Perovskites toward Efficient and Stable 2D/3D Heterostructure Perovskite Solar Cells (Adv. Energy Mater. 2/2022). *Advanced Energy Materials*, **2022**, 12, 2270004	21.8	0