Zhongmin

List of Publications by Year
in descending order

24 papers	2,129 citations	516561 16 h-index	610775 24 g-index
24 all docs	24 docs citations	24 times ranked	3541 citing authors

#	Article	IF	Citations
1	Thermally Stable MAPbI₃ Perovskite Solar Cells with Efficiency of 19.19% and Area over 1 cm² achieved by Additive Engineering. Advanced Materials, 2017, 29, 1701073.	11.1	541
2	Methylamineâ€Gasâ€Induced Defectâ€Healing Behavior of CH₃NH₃PbI₃ Thin Films for Perovskite Solar Cells. Angewandte Chemie - International Edition, 2015, 54, 9705-9709.	7.2	377
3	The Main Progress of Perovskite Solar Cells in 2020â€“2021. Nano-Micro Letters, 2021, 13, 152.	14.4	250
4	Interface engineering for high-performance perovskite hybrid solar cells. Journal of Materials Chemistry A, 2015, 3, 19205-19217.	5.2	145
5	Stable Inverted Planar Perovskite Solar Cells with Lowâ€Temperatureâ€Processed Holeâ€Transport Bilayer. Advanced Energy Materials, 2017, 7, 1700763.	10.2	115
6	Lewisâ€Adduct Mediated Grainâ€Boundary Functionalization for Efficient Idealâ€Bandgap Perovskite Solar Cells with Superior Stability. Advanced Energy Materials, 2018, 8, 1800997.	10.2	93
7	Disodium Benzodipyrrole Sulfonate as Neutral Hole-Transporting Materials for Perovskite Solar Cells. Journal of the American Chemical Society, 2018, 140, 5018-5022.	6.6	91
8	The fabrication of formamidinium lead iodide perovskite thin films via organic cation exchange. Chemical Communications, 2016, 52, 3828-3831.	2.2	79
9	Reliable Measurement of Perovskite Solar Cells. Advanced Materials, 2019, 31, e1803231.	11.1	62
10	Ligandâ€Free, Highly Dispersed NiO_x Nanocrystal for Efficient, Stable, Lowâ€Temperature Processable Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800004.	3.1	58
11	Reducing Defects Density and Enhancing Hole Extraction for Efficient Perovskite Solar Cells Enabled by Ï€â€Pb²⁺ Interactions. Angewandte Chemie - International Edition, 2021, 60, 17356-17361.	7.2	51
12	Highly efficient inverted hole-transport-layer-free perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 503-512.	5.2	43
13	Organic/Inorganic Hybrid p-Type Semiconductor Doping Affords Hole Transporting Layer Free Thin-Film Perovskite Solar Cells with High Stability. ACS Applied Materials & Interfaces, 2019, 11, 22603-22611.	4.0	40
14	Hydrogen-Bonded Dopant-Free Hole Transport Material Enables Efficient and Stable Inverted Perovskite Solar Cells. CCS Chemistry, 2022, 4, 3084-3094.	4.6	37
15	Interaction engineering in organicâ€“inorganic hybrid perovskite solar cells. Materials Horizons, 2020, 7, 2208-2236.	6.4	35
16	Reducing Energy Disorder for Efficient and Stable Snâˆ’Pb Alloyed Perovskite Solar Cells.. Angewandte Chemie - International Edition, 2022, 61, .	7.2	32
17	Sulfonyl passivation through synergistic hydrogen bonding and coordination interactions for efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2022, 10, 13048-13054.	5.2	18
18	Harnessing chemical functions of ionic liquids for perovskite solar cells. Journal of Energy Chemistry, 2022, 68, 797-810.	7.1	17

#	Article	IF	Citations
19	Recent progress toward highly efficient tinâ€based perovskite (ASnX3) solar cells. Nano Select, 2021, 2, 1023-1054.	1.9	11
20	Effective Surface Passivation via Intermolecular Interactions for Highâ€Performance Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	10
21	Fused Furanâ€Based Organic Small Molecules as Dopantâ€Free Hole Transporting Material for Inverted Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000536.	3.1	8
22	A temperature gradient-induced directional growth of a perovskite film. Journal of Materials Chemistry A, 2020, 8, 17019-17024.	5.2	7
23	Reducing Defects Density and Enhancing Hole Extraction for Efficient Perovskite Solar Cells Enabled by Ï€â€Pb 2+ Interactions. Angewandte Chemie, 2021, 133, 17496-17501.	1.6	6
24	Reducing Energy Disorder for Efficient and Stable Snâ^'Pb Alloyed Perovskite Solar Cells.. Angewandte Chemie, 2022, 134, .	1.6	3