Shengfan Wu

List of Publications by Year
in descending order

17 papers	1,593 citations	516710 16 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	1959 citing authors

#	Article	IF	Citations
1	Modulation of Defects and Interfaces through Alkylammonium Interlayer for Efficient Inverted Perovskite Solar Cells. Joule, 2020, 4, 1248-1262.	24.0	260
2	2D metalâ€“organic framework for stable perovskite solar cells with minimized lead leakage. Nature Nanotechnology, 2020, 15, 934-940.	31.5	258
3	Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length. Nature Communications, 2021, 12, 468.	12.8	137
4	Water-resistant perovskite nanodots enable robust two-photon lasing in aqueous environment. Nature Communications, 2020, 11, 1192.	12.8	123
5	Efficient large guanidinium mixed perovskite solar cells with enhanced photovoltage and low energy losses. Chemical Communications, 2019, 55, 4315-4318.	4.1	121
6	Boosting Photovoltaic Performance for Lead Halide Perovskites Solar Cells with BF₄^{â^'} Anion Substitutions. Advanced Functional Materials, 2019, 29, 1808833.	14.9	104
7	Allâ€Inorganic CsPbI₃ Quantum Dot Solar Cells with Efficiency over 16% by Defect Control. Advanced Functional Materials, 2021, 31, 2005930.	14.9	101
8	Lowâ€Bandgap Organic Bulkâ€Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. Advanced Materials, 2021, 33, e2105539.	21.0	89
9	Hybrid Perovskiteâ€Organic Flexible Tandem Solar Cell Enabling Highly Efficient Electrocatalysis Overall Water Splitting. Advanced Energy Materials, 2020, 10, 2000361.	19.5	79
10	Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics. Nano Energy, 2020, 78, 105377.	16.0	68
11	Coâ€assembled Monolayers as Holeâ€Selective Contact for Highâ€Performance Inverted Perovskite Solar Cells with Optimized Recombination Loss and Longâ€Term Stability. Angewandte Chemie - International Edition, 2022, 61, .	13.8	66
12	Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer. Journal of Materials Chemistry A, 2021, 9, 19778-19787.	10.3	50
13	An effective and economical encapsulation method for trapping lead leakage in rigid and flexible perovskite photovoltaics. Nano Energy, 2022, 93, 106853.	16.0	49
14	Improving Photovoltaic Performance Using Perovskite/Surfaceâ€Modified Graphitic Carbon Nitride Heterojunction. Solar Rrl, 2020, 4, 1900413.	5.8	38
15	Enhanced Nearâ€Infrared Photoresponse of Inverted Perovskite Solar Cells Through Rational Design of Bulkâ€Heterojunction Electronâ€Transporting Layers. Advanced Science, 2019, 6, 1901714.	11.2	23
16	Lowâ€Temperature Processed Carbon Electrodeâ€Based Inorganic Perovskite Solar Cells with Enhanced Photovoltaic Performance and Stability. Energy and Environmental Materials, 2021, 4, 95-102.	12.8	23
17	Coâ€assembled Monolayers as Holeâ€Selective Contact for Highâ€Performance Inverted Perovskite Solar Cells with Optimized Recombination Loss and Longâ€Term Stability. Angewandte Chemie, 2022, 134, .	2.0	4