

# Shengfan Wu

## List of Publications by Year in descending order

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17  
papers

1,593  
citations

516215

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887659

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1959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of Defects and Interfaces through Alkylammonium Interlayer for Efficient Inverted Perovskite Solar Cells. <i>Joule</i> , 2020, 4, 1248-1262.	11.7	260
2	2D metal-organic framework for stable perovskite solar cells with minimized lead leakage. <i>Nature Nanotechnology</i> , 2020, 15, 934-940.	15.6	258
3	Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length. <i>Nature Communications</i> , 2021, 12, 468.	5.8	137
4	Water-resistant perovskite nanodots enable robust two-photon lasing in aqueous environment. <i>Nature Communications</i> , 2020, 11, 1192.	5.8	123
5	Efficient large guanidinium mixed perovskite solar cells with enhanced photovoltage and low energy losses. <i>Chemical Communications</i> , 2019, 55, 4315-4318.	2.2	121
6	Boosting Photovoltaic Performance for Lead Halide Perovskites Solar Cells with BF <sub>4</sub> <sup>-</sup> Anion Substitutions. <i>Advanced Functional Materials</i> , 2019, 29, 1808833.	7.8	104
7	All-inorganic CsPbI <sub>3</sub> Quantum Dot Solar Cells with Efficiency over 16% by Defect Control. <i>Advanced Functional Materials</i> , 2021, 31, 2005930.	7.8	101
8	Low-bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2105539.	11.1	89
9	Hybrid Perovskite-Organic Flexible Tandem Solar Cell Enabling Highly Efficient Electrocatalysis Overall Water Splitting. <i>Advanced Energy Materials</i> , 2020, 10, 2000361.	10.2	79
10	Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics. <i>Nano Energy</i> , 2020, 78, 105377.	8.2	68
11	Co-assembled Monolayers as Hole-Selective Contact for High-Performance Inverted Perovskite Solar Cells with Optimized Recombination Loss and Long-Term Stability. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	66
12	Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19778-19787.	5.2	50
13	An effective and economical encapsulation method for trapping lead leakage in rigid and flexible perovskite photovoltaics. <i>Nano Energy</i> , 2022, 93, 106853.	8.2	49
14	Improving Photovoltaic Performance Using Perovskite/Surface-Modified Graphitic Carbon Nitride Heterojunction. <i>Solar Rrl</i> , 2020, 4, 1900413.	3.1	38
15	Enhanced Near-Infrared Photoresponse of Inverted Perovskite Solar Cells Through Rational Design of Bulk-Heterojunction Electron-Transporting Layers. <i>Advanced Science</i> , 2019, 6, 1901714.	5.6	23
16	Low-Temperature Processed Carbon Electrode-Based Inorganic Perovskite Solar Cells with Enhanced Photovoltaic Performance and Stability. <i>Energy and Environmental Materials</i> , 2021, 4, 95-102.	7.3	23
17	Co-assembled Monolayers as Hole-Selective Contact for High-Performance Inverted Perovskite Solar Cells with Optimized Recombination Loss and Long-Term Stability. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4