

# Shengfan Wu

## List of Publications by Citations

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15  
papers

754  
citations

13  
h-index

17  
g-index

17  
ext. papers

1,156  
ext. citations

15.9  
avg, IF

4.51  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 15 | Modulation of Defects and Interfaces through Alkylammonium Interlayer for Efficient Inverted Perovskite Solar Cells. <i>Joule</i> , <b>2020</b> , 4, 1248-1262  | 27.8 | 143       |
| 14 | 2D metal-organic framework for stable perovskite solar cells with minimized lead leakage. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 934-940  | 28.7 | 119       |
| 13 | Efficient large guanidinium mixed perovskite solar cells with enhanced photovoltage and low energy losses. <i>Chemical Communications</i> , <b>2019</b> , 55, 4315-4318                                     | 5.8  | 85        |
| 12 | Water-resistant perovskite nanodots enable robust two-photon lasing in aqueous environment. <i>Nature Communications</i> , <b>2020</b> , 11, 1192   | 17.4 | 65        |
| 11 | Boosting Photovoltaic Performance for Lead Halide Perovskites Solar Cells with BF <sub>4</sub> <sup>-</sup> Anion Substitutions. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808833           | 15.6 | 62        |
| 10 | Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length. <i>Nature Communications</i> , <b>2021</b> , 12, 468                                       | 17.4 | 61        |
| 9  | All-Inorganic CsPbI <sub>3</sub> Quantum Dot Solar Cells with Efficiency over 16% by Defect Control. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2005930                                       | 15.6 | 42        |
| 8  | Hybrid Perovskite-Organic Flexible Tandem Solar Cell Enabling Highly Efficient Electrocatalysis Overall Water Splitting. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000361                       | 21.8 | 37        |
| 7  | Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics. <i>Nano Energy</i> , <b>2020</b> , 78, 105377   | 17.1 | 32        |
| 6  | Low-Bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2021</b> , 33, e2105539   | 24   | 27        |
| 5  | Improving Photovoltaic Performance Using Perovskite/Surface-Modified Graphitic Carbon Nitride Heterojunction. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900413   | 7.1  | 22        |
| 4  | Enhanced Near-Infrared Photoresponse of Inverted Perovskite Solar Cells Through Rational Design of Bulk-Heterojunction Electron-Transporting Layers. <i>Advanced Science</i> , <b>2019</b> , 6, 1901714     | 13.6 | 16        |
| 3  | An effective and economical encapsulation method for trapping lead leakage in rigid and flexible perovskite photovoltaics. <i>Nano Energy</i> , <b>2022</b> , 93, 106853                                    | 17.1 | 15        |
| 2  | Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 19778-19787                   | 13   | 13        |
| 1  | Low-Temperature Processed Carbon Electrode-Based Inorganic Perovskite Solar Cells with Enhanced Photovoltaic Performance and Stability. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 95-102 | 13   | 10        |