

# Shizhong Yue

## List of Publications by Year in descending order

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18  
papers

621  
citations

687363

13  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1145  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Efficacious engineering on charge extraction for realizing highly efficient perovskite solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 2570-2578.  | 30.8 | 155       |
| 2  | Turning a disadvantage into an advantage: synthesizing high-quality organometallic halide perovskite nanosheet arrays for humidity sensors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2504-2508. | 5.5  | 74        |
| 3  | Metal halide perovskites for photocatalysis applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 407-429.  | 10.3 | 61        |
| 4  | Highly efficient solar cells based on Cl incorporated tri-cation perovskite materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13725-13734.  | 10.3 | 43        |
| 5  | Insights into the Influence of Work Functions of Cathodes on Efficiencies of Perovskite Solar Cells. <i>Small</i> , 2017, 13, 1700007.  | 10.0 | 36        |
| 6  | Insights into Charge Separation and Transport in Ternary Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 3299-3307.  | 8.0  | 35        |
| 7  | Dual Coordination of Ti and Pb Using Bifunctional Ligands Improves Perovskite Solar Cell Performance and Stability. <i>Advanced Functional Materials</i> , 2020, 30, 2005155.                             | 14.9 | 33        |
| 8  | Observation of Unusual Optical Band Structure of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Single Crystal. <i>ACS Photonics</i> , 2018, 5, 1583-1590.   | 6.6  | 32        |
| 9  | Realization of Perovskite Nanowire-Based Plasmonic Lasers Capable of Mode Modulation. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800306.   | 8.7  | 32        |
| 10 | Constructing bulk heterojunction with componential gradient for enhancing the efficiency of polymer solar cells. <i>Journal of Power Sources</i> , 2015, 300, 238-244.                                    | 7.8  | 23        |
| 11 | Ultra-thin ZnO film as an electron transport layer for realizing the high efficiency of organic solar cells. <i>RSC Advances</i> , 2017, 7, 14694-14700.  | 3.6  | 17        |
| 12 | Optical bandgap energy of $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite studied by photoconductivity and reflectance spectroscopy. <i>Science China Technological Sciences</i> , 2018, 61, 886-892.     | 4.0  | 17        |
| 13 | The Positive Function of Incorporation of Small Molecules into Perovskite Materials for High-Efficient Stable Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800327.   | 5.8  | 16        |
| 14 | Collection optimization of photo-generated charge carriers for efficient organic solar cells. <i>Journal of Power Sources</i> , 2019, 412, 465-471.   | 7.8  | 14        |
| 15 | Insights on the correlation of precursor solution, morphology of the active layer and performance of the perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2018, 731, 375-380.             | 5.5  | 12        |
| 16 | Realization of Moisture-Resistive Perovskite Films for Highly Efficient Solar Cells Using Molecule Incorporation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39063-39073.                  | 8.0  | 11        |
| 17 | Hybrid silicon nanowire-based polymer solar cells based on a transparent top electrode. <i>RSC Advances</i> , 2015, 5, 42341-42345.   | 3.6  | 9         |
| 18 | The Positive Function of Incorporation of Small Molecules into Perovskite Materials for High-Efficient Stable Solar Cells ( <i>Solar RRL</i> 3(2019)). <i>Solar Rrl</i> , 2019, 3, 1970034.               | 5.8  | 1         |