

Yi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

971
citations

516710

16
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1744
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | High-efficiency perovskite photovoltaic modules achieved via cesium doping. <i>Chemical Engineering Journal</i> , 2022, 431, 133713. | 12.7 | 19 |
| 2 | In Situ Graded Passivation via Porphyrin Derivative with Enhanced Photovoltage and Fill Factor in Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, . | 5.8 | 5 |
| 3 | Greenâ€Chemistryâ€Inspired Synthesis of Cyclobutaneâ€Based Holeâ€Selective Materials for Highly Efficient Perovskite Solar Cells and Modules. <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 4 |
| 4 | Greenâ€Chemistryâ€Inspired Synthesis of Cyclobutaneâ€Based Holeâ€Selective Materials for Highly Efficient Perovskite Solar Cells and Modules. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 23 |
| 5 | Mixed cation 2D perovskite: a novel approach for enhanced perovskite solar cell stability. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2471-2477. | 4.9 | 9 |
| 6 | Ultraviolet Filtration Passivator for Stable High-Efficiency Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19459-19468. | 8.0 | 8 |
| 7 | Area-Scalable Zn ₂ SnO ₄ Electron Transport Layer for Highly Efficient and Stable Perovskite Solar Modules. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23297-23306. | 8.0 | 4 |
| 8 | A Porphyrin-Involved Benzene-1,3,5-Tricarboxamide Dendrimer (Por-BTA) as a Multifunctional Interface Material for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14248-14257. | 8.0 | 23 |
| 9 | Band-bending induced passivation: high performance and stable perovskite solar cells using a perhydropoly(silazane) precursor. <i>Energy and Environmental Science</i> , 2020, 13, 1222-1230. | 30.8 | 114 |
| 10 | An Efficient Approach to Fabricate Airâ€Stable Perovskite Solar Cells via Addition of a Selfâ€Polymerizing Ionic Liquid. <i>Advanced Materials</i> , 2020, 32, e2003801. | 21.0 | 84 |
| 11 | Enhanced stability of Γ -phase FAPbI ₃ perovskite solar cells by insertion of 2D (PEA) ₂ PbI ₄ nanosheets. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8058-8064. | 10.3 | 45 |
| 12 | The Synergism of DMSO and Diethyl Ether for Highly Reproducible and Efficient MA _{0.5} FA _{0.5} PbI ₃ Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2001300. | 19.5 | 33 |
| 13 | Stable and Highâ€Efficiency Methylammoniumâ€Free Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1905502. | 21.0 | 131 |
| 14 | Fusing Nanowires into Thin Films: Fabrication of Gradedâ€Heterojunction Perovskite Solar Cells with Enhanced Performance. <i>Advanced Energy Materials</i> , 2019, 9, 1900243. | 19.5 | 45 |
| 15 | Trash into Treasure: Γ -FAPbI ₃ Polymorph Stabilized MAPbI ₃ Perovskite with Power Conversion Efficiency beyond 21%. <i>Advanced Materials</i> , 2018, 30, e1707143. | 21.0 | 101 |
| 16 | Unsymmetrical and Symmetrical Zn(II) Phthalocyanines as Hole-Transporting Materials for Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 2399-2404. | 5.1 | 16 |
| 17 | Tetrathienoanthracene and Tetrathienylbenzene Derivatives as Holeâ€Transporting Materials for Perovskite Solar Cell. <i>Advanced Energy Materials</i> , 2018, 8, 1800681. | 19.5 | 51 |
| 18 | Hexagonal mesoporous silica islands to enhance photovoltaic performance of planar junction perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1415-1420. | 10.3 | 17 |

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|----|--|------|-----------|
| 19 | Unveiling the Concentration-Dependent Grain Growth of Perovskite Films from One- and Two-Step Deposition Methods: Implications for Photovoltaic Application. ACS Applied Materials & Interfaces, 2017, 9, 25063-25066. | 8.0 | 20 |
| 20 | A Strategy to Produce High Efficiency, High Stability Perovskite Solar Cells Using Functionalized Ionic Liquid Dopants. Advanced Materials, 2017, 29, 1702157. | 21.0 | 115 |
| 21 | Enhanced charge collection with passivation of the tin oxide layer in planar perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 12729-12734. | 10.3 | 103 |