

# Chengxi Zhang

## List of Publications by Year in descending order

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14  
papers

626  
citations

840776

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h-index

1125743

13  
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docs citations

14  
times ranked

1010  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | A review on morphology engineering for highly efficient and stable hybrid perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 12842-12875.   | 10.3 | 168       |
| 2  | Constructing an n/n <sup>+</sup> homojunction in a monolithic perovskite film for boosting charge collection in inverted perovskite photovoltaics. Energy and Environmental Science, 2021, 14, 4048-4058.                   | 30.8 | 87        |
| 3  | A Review of Diverse Halide Perovskite Morphologies for Efficient Optoelectronic Applications. Small Methods, 2020, 4, 1900662.  | 8.6  | 69        |
| 4  | Interfacial Linkage and Carbon Encapsulation Enable Full Solution-Printed Perovskite Photovoltaics with Prolonged Lifespan. Angewandte Chemie - International Edition, 2021, 60, 23735-23742.                               | 13.8 | 56        |
| 5  | Correlating alkyl chain length with defect passivation efficacy in perovskite solar cells. Chemical Communications, 2020, 56, 5006-5009.  | 4.1  | 51        |
| 6  | Recent progress of minimal voltage losses for high-performance perovskite photovoltaics. Nano Energy, 2021, 81, 105634.   | 16.0 | 48        |
| 7  | Spontaneous surface/interface ligand-anchored functionalization for extremely high fill factor over 86% in perovskite solar cells. Nano Energy, 2020, 75, 104929.   | 16.0 | 47        |
| 8  | Perovskite crystals redissolution strategy for affordable, reproducible, efficient and stable perovskite photovoltaics. Materials Today, 2021, 50, 199-223.   | 14.2 | 43        |
| 9  | Ultra-stable 2D layered methylammonium cadmium trihalide perovskite photoelectrodes. Journal of Materials Chemistry C, 2018, 6, 11552-11560.  | 5.5  | 20        |
| 10 | Substrate Temperature Effect on Charge Transport Performance of ZnO Electron Transport Layer Prepared by a Facile Ultrasonic Spray Pyrolysis in Polymer Solar Cells. International Journal of Photoenergy, 2015, 2015, 1-8. | 2.5  | 14        |
| 11 | Low-temperature preparation of ZnO thin film by atmospheric mist chemistry vapor deposition for flexible organic solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 7004-7009.                  | 2.2  | 13        |
| 12 | Interfacial Linkage and Carbon Encapsulation Enable Full Solution-Printed Perovskite Photovoltaics with Prolonged Lifespan. Angewandte Chemie, 2021, 133, 23928.  | 2.0  | 7         |
| 13 | Investigation of Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) Hole Transport Layer for Solution-Processed Polymer Solar Cells. International Journal of Photoenergy, 2015, 2015, 1-7.                            | 2.5  | 3         |
| 14 | Facile solution processed MoO <sub>3</sub> thin film as hole transportation layer for polymer solar cells. Proceedings of SPIE, 2016, , .   | 0.8  | 0         |