

# Changfeng Han

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhanced Performance of Inverted Polymer Solar Cells by Combining ZnO Nanoparticles and Poly[(9,9-bis(3- <i>N,N</i> -dimethylamino)propyl)-2,7-fluorene]- <i>alt</i> -2,7-(9,9-dioctylfluorene)] as Electron Transport Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3301-3307.	8.0	43
2	Surface polarization and recombination in organic-inorganic hybrid perovskite solar cells based on photo- and electrically induced negative capacitance studies. <i>Organic Electronics</i> , 2018, 62, 203-208.	2.6	28
3	Surface Modification of SnO <sub>2</sub> via MAPbI <sub>3</sub> Nanowires for a Highly Efficient Non-Fullerene Acceptor-Based Organic Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5120-5127.	8.0	28
4	Unraveling surface and bulk trap states in lead halide perovskite solar cells using impedance spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 095501.	2.8	21
5	Effectiveness of Solvent Vapor Annealing on Optoelectronic Properties for Quasi-2D Organic-Inorganic Hybrid Perovskite Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28417-28423.	3.1	21
6	Multiple electron transporting layers and their excellent properties based on organic solar cell. <i>Scientific Reports</i> , 2017, 7, 9571.	3.3	20
7	Effect of Bathocuproine Organic Additive on Optoelectronic Properties of Highly Efficient Methylammonium Lead Bromide Perovskite Light-Emitting Diodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 6992-6998.	5.1	20
8	Introducing optically polarizable molecules into perovskite solar cells by simultaneously enhanced spin-orbital coupling, suppressed non-radiative recombination and improved transport balance towards enhancing photovoltaic actions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6164-6171.	5.5	18
9	Effect of surface recombination in high performance white-light CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystal photodetectors. <i>Optics Express</i> , 2018, 26, 26307.	3.4	10
10	Revisiting the Impact of Interfacial Transport Layers on Organic Bulk Heterojunction Systems. <i>ACS Applied Energy Materials</i> , 2018, 1, 3457-3468.	5.1	7
11	Using Mechanical Stress to Investigate the Rashba Effect in Organic-Inorganic Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5446-5450.	4.6	6
12	Efficient infrared photodetector based on three-dimensional self-assembled PbSe superlattices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6738-6742.	5.5	3
13	Surface polarization and recombination for quasi-2D and 3D methylammonium lead bromide light emitting diodes. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	3