

# Hsin-Hsiang Huang

## List of Publications by Year in descending order

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14  
papers

586  
citations

759233

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1058476

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docs citations

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times ranked

748  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 19980-19991.	13.7	145
2	Bright and stable light-emitting diodes made with perovskite nanocrystals stabilized in metal-organic frameworks. <i>Nature Photonics</i> , 2021, 15, 843-849.	31.4	117
3	A simple one-step method with wide processing window for high-quality perovskite mini-module fabrication. <i>Joule</i> , 2021, 5, 958-974.	24.0	55
4	Boosting the ultra-stable unencapsulated perovskite solar cells by using montmorillonite/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanocomposite as photoactive layer. <i>Energy and Environmental Science</i> , 2019, 12, 1265-1273.	30.8	53
5	Facile Fabrication of Self-Assembly Functionalized Polythiophene Hole Transporting Layer for High Performance Perovskite Solar Cells. <i>Advanced Science</i> , 2021, 8, 2002718.	11.2	46
6	An asymmetrical A-type acceptor simultaneously enhances voltage and current for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9670-9676.	10.3	27
7	Robust Unencapsulated Perovskite Solar Cells Protected by a Fluorinated Fullerene Electron Transporting Layer. <i>ACS Energy Letters</i> , 2021, 6, 3376-3385.	17.4	27
8	Enhancing Long-Term Thermal Stability of Non-Fullerene Organic Solar Cells Using Self-Assembly Amphiphilic Dendritic Block Copolymer Interlayers. <i>Advanced Functional Materials</i> , 2021, 31, 2005753.	14.9	25
9	Cesium Lead Halide Perovskite Nanocrystals Assembled in Metal-Organic Frameworks for Stable Blue Light Emitting Diodes. <i>Advanced Science</i> , 2022, 9, e2105850.	11.2	23
10	Enhanced Photovoltaic Performance by Synergistic Effect of Chlorination and Selenophene $\pi$ -Bridge. <i>Macromolecules</i> , 2020, 53, 2893-2901.	4.8	22
11	Synergistic Effect of Alkyl Chain and Chlorination Engineering on High-Performance Nonfullerene Acceptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28329-28336.	8.0	19
12	Effects of Halogenated End Groups on the Performance of Nonfullerene Acceptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 6147-6155.	8.0	18
13	Mild water intake orients crystal formation imparting high tolerance on unencapsulated halide perovskite solar cells. <i>Cell Reports Physical Science</i> , 2021, 2, 100395.	5.6	8
14	Interface engineering of cross-linkable ruthenium complex dye to chelate cations for enhancing the performance of solid-state dye sensitized solar cell. <i>Materials Chemistry and Physics</i> , 2018, 215, 62-68.	4.0	1