

# Yanfeng Liu

## List of Publications by Year in descending order

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13  
papers

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citations

759233

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1125743

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Solution-processed solar-charging power units made of organic photovoltaic modules and asymmetric super-capacitors. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	8
2	In Situ Optical Studies on Morphology Formation in Organic Photovoltaic Blends. <i>Small Methods</i> , 2021, 5, e2100585.	8.6	21
3	Solution-Processed Highly Efficient Semitransparent Organic Solar Cells with Low Donor Contents. <i>ACS Applied Energy Materials</i> , 2021, 4, 14335-14341.	5.1	19
4	Mo <sub>1.33</sub> C MXene-Assisted PEDOT:PSS Hole Transport Layer for High-Performance Bulk-Heterojunction Polymer Solar Cells. <i>ACS Applied Electronic Materials</i> , 2020, 2, 163-169.	4.3	25
5	Suppressing Co-Crystallization of Halogenated Non-Fullerene Acceptors for Thermally Stable Ternary Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2005462.	14.9	44
6	Near infrared electron acceptors with a photoresponse beyond 1000 nm for highly efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18154-18161.	10.3	49
7	Electric Field Facilitating Hole Transfer in Non-Fullerene Organic Solar Cells with a Negative HOMO Offset. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15132-15139.	3.1	26
8	Molecular and Energetic Order Dominate the Photocurrent Generation Process in Organic Solar Cells with Small Energetic Offsets. <i>ACS Energy Letters</i> , 2020, 5, 589-596.	17.4	36
9	Revealing the Critical Role of the HOMO Alignment on Maximizing Current Extraction and Suppressing Energy Loss in Organic Solar Cells. <i>IScience</i> , 2019, 19, 883-893.	4.1	68
10	Molecular Orientation of Polymer Acceptor Dominates Open-Circuit Voltage Losses in All-Polymer Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 1057-1064.	17.4	45
11	Limitations and Perspectives on Triplet-Material-Based Organic Photovoltaic Devices. <i>Advanced Materials</i> , 2019, 31, e1900690.	21.0	50
12	Effect of Side Groups on the Photovoltaic Performance Based on Porphyrin-Perylene Bisimide Electron Acceptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32454-32461.	8.0	21
13	Laminated Free Standing PEDOT:PSS Electrode for Solution Processed Integrated Photocapacitors via Hydrogen-Bond Interaction. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700704.	3.7	26