Yanfeng Liu

List of Publications by Year
in descending order

13	438	759233 12	1125743 13
papers	citations	h-index	g-index

14	14	14	730
all docs	docs citations	times ranked	citing authors

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