Jing Wang

List of Publications by Year
in descending order

20 papers	1,894 citations	623734 14 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	2260 citing authors

#	Article	IF	Citations
1	Efficient Organic Solar Cell with 16.88% Efficiency Enabled by Refined Acceptor Crystallization and Morphology with Improved Charge Transfer and Transport Properties. Advanced Energy Materials, 2020, 10, 1904234.	19.5	402
2	Highly efficient all-inorganic perovskite solar cells with suppressed non-radiative recombination by a Lewis base. Nature Communications, 2020, 11, 177.	12.8	360
3	Simplified synthetic routes for low cost and high photovoltaic performance n-type organic semiconductor acceptors. Nature Communications, 2019, 10, 519.	12.8	231
4	A Fully Nonâ€fused Ring Acceptor with Planar Backbone and Nearâ€IR Absorption for High Performance Polymer Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 22714-22720.	13.8	184
5	Enhancing the Performance of a Fused-Ring Electron Acceptor by Unidirectional Extension. Journal of the American Chemical Society, 2019, 141, 19023-19031.	13.7	136
6	Thermal-Driven Phase Separation of Double-Cable Polymers Enables Efficient Single-Component Organic Solar Cells. Joule, 2019, 3, 1765-1781.	24.0	124
7	Efficient Organic Solar Cells with Extremely High Openâ€Circuit Voltages and Low Voltage Losses by Suppressing Nonradiative Recombination Losses. Advanced Energy Materials, 2018, 8, 1801699.	19.5	117
8	Relating open-circuit voltage losses to the active layer morphology and contact selectivity in organic solar cells. Journal of Materials Chemistry A, 2018, 6, 12574-12581.	10.3	65
9	Increasing donor-acceptor spacing for reduced voltage loss in organic solar cells. Nature Communications, 2021, 12, 6679.	12.8	56
10	Highâ€Efficiency Perovskite Quantum Dot Hybrid Nonfullerene Organic Solar Cells with Nearâ€Zero Driving Force. Advanced Materials, 2020, 32, e2002066.	21.0	46
11	Enhancing the Performance of Organic Solar Cells by Prolonging the Lifetime of Photogenerated Excitons. Advanced Materials, 2020, 32, e2003164.	21.0	42
12	Doubleâ€Cable Conjugated Polymers with Pendent Nearâ€Infrared Electron Acceptors for Singleâ€Component Organic Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
13	Organic Cavity Photodetectors Based on Nanometer-Thick Active Layers for Tunable Monochromatic Spectral Response. ACS Photonics, 2019, 6, 1393-1399.	6.6	27
14	Hybrid Nonfused-Ring Electron Acceptors with Fullerene Pendant for High-Efficiency Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 1603-1611.	8.0	19
15	Fullerene as an additive for increasing the efficiency of organic solar cells to more than 17%. Journal of Colloid and Interface Science, 2021, 601, 70-77.	9.4	15
16	Improving the performance of organic solar cells by side chain engineering of fused ring electron acceptors. Journal of Materials Chemistry C, 2021, 9, 6937-6943.	5.5	13
17	Revisiting Conjugated Polymers with Long-Branched Alkyl Chains: High Molecular Weight, Excellent Mechanical Properties, and Low Voltage Losses. Macromolecules, 2022, 55, 5964-5974.	4.8	13
18	Double-Cable Conjugated Polymers with Rigid Phenyl Linkers for Single-Component Organic Solar Cells. Macromolecules, 2022, 55, 2517-2523.	4.8	11

#	Article	IF	Citations
19	New roles of fused-ring electron acceptors in organic solar cells. Journal of Materials Chemistry A, 2019, 7, 4766-4770.	10.3	5
20	Doubleâ€Cable Conjugated Polymers with Pendent Nearâ€Infrared Electron Acceptors for Singleâ€Component Organic Solar Cells. Angewandte Chemie, 0, , .	2.0	0