Dan Deng

List of Publications by Year
in descending order

19 papers	1,765 citations	567281 15 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	2193 citing authors

#	Article	IF	Citations
1	Fluorination-enabled optimal morphology leads to over 11% efficiency for inverted small-molecule organic solar cells. Nature Communications, 2016, 7, 13740.	12.8	549
2	All-small-molecule organic solar cells with over 14% efficiency by optimizing hierarchical morphologies. Nature Communications, 2019, 10, 5393.	12.8	273
3	Synergistic Effect of Polymer and Small Molecules for Highâ€Performance Ternary Organic Solar Cells. Advanced Materials, 2015, 27, 1071-1076.	21.0	192
4	Solution-Processable Star-Shaped Molecules with Triphenylamine Core and Dicyanovinyl Endgroups for Organic Solar Cellsâ€. Chemistry of Materials, 2011, 23, 817-822.	6.7	158
5	Acceptor Endâ€Capped Oligomeric Conjugated Molecules with Broadened Absorption and Enhanced Extinction Coefficients for Highâ€Efficiency Organic Solar Cells. Advanced Materials, 2016, 28, 5980-5985.	21.0	87
6	Effects of Shortened Alkyl Chains on Solutionâ€Processable Small Molecules with Oxoâ€Alkylated Nitrile Endâ€Capped Acceptors for Highâ€Performance Organic Solar Cells. Advanced Energy Materials, 2014, 4, 1400538.	19.5	79
7	High Miscibility Compatible with Ordered Molecular Packing Enables an Excellent Efficiency of 16.2% in Allâ€Smallâ€Molecule Organic Solar Cells. Advanced Materials, 2022, 34, e2106316.	21.0	74
8	Enhancing the Photovoltaic Performance via Vertical Phase Distribution Optimization in Small Molecule:PC₇₁BM Blends. Advanced Energy Materials, 2017, 7, 1701548.	19.5	57
9	Spontaneous open-circuit voltage gain of fully fabricated organic solar cells caused by elimination of interfacial energy disorder. Energy and Environmental Science, 2019, 12, 2518-2528.	30.8	57
10	Liquidâ€Crystalline Small Molecules for Nonfullerene Solar Cells with High Fill Factors and Power Conversion Efficiencies. Advanced Energy Materials, 2019, 9, 1803175.	19.5	55
11	Modulation of Donor Alkyl Terminal Chains with the Shifting Branching Point Leads to the Optimized Morphology and Efficient All-Small-Molecule Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 25100-25107.	8.0	40
12	Fluorination-substitution effect on all-small-molecule organic solar cells. Science China Chemistry, 2019, 62, 837-844.	8.2	32
13	Modulation of the Molecular Orientation at the Bulk Heterojunction Interface via Tuning the Small Molecular Donorâ€“Nonfullerene Acceptor Interactions. ACS Applied Materials & Interfaces, 2018, 10, 31526-31534.	8.0	26
14	Effects of end-capped acceptors subject to subtle structural changes on solution-processable small molecules for organic solar cells. Physical Chemistry Chemical Physics, 2015, 17, 8894-8900.	2.8	21
15	Aromatic end-capped acceptor effects on molecular stacking and the photovoltaic performance of solution-processable small molecules. Journal of Materials Chemistry A, 2018, 6, 22077-22085.	10.3	19
16	The post-treatment effects on open circuit voltages and device performances in a high efficiency all-small-molecule organic solar cell. Journal of Materials Chemistry C, 2020, 8, 15385-15392.	5.5	18
17	Polymerized Smallâ€Molecule Acceptor as an Interface Modulator to Increase the Performance of Allâ€Smallâ€Molecule Solar Cells. Advanced Energy Materials, 2022, 12, 2102394.	19.5	15
18	Ideal alloys of two donor isomers with non-covalently conformational locking for ternary organic solar cells. Journal of Materials Chemistry C, 2020, 8, 7519-7526.	5.5	11

#	Article	IF	Citations
19	Efficient charge generation and low open circuit voltage loss enable a PCE of 10.3% in small molecule donor and polymer acceptor organic solar cells. Journal of Materials Chemistry C, 2022, 10, 2639-2647.	5.5	2