

# Dan Deng

## List of Publications by Year in descending order

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19  
papers

1,765  
citations

567281

15  
h-index

794594

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g-index

19  
all docs

19  
docs citations

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times ranked

2193  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Miscibility Compatible with Ordered Molecular Packing Enables an Excellent Efficiency of 16.2% in All-Small-Molecule Organic Solar Cells. <i>Advanced Materials</i> , 2022, 34, e2106316.	21.0	74
2	Polymerized Small-Molecule Acceptor as an Interface Modulator to Increase the Performance of All-Small-Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, 2102394.	19.5	15
3	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. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2639-2647.	5.5	2
4	The post-treatment effects on open circuit voltages and device performances in a high efficiency all-small-molecule organic solar cell. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15385-15392.	5.5	18
5	Modulation of Donor Alkyl Terminal Chains with the Shifting Branching Point Leads to the Optimized Morphology and Efficient All-Small-Molecule Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25100-25107.	8.0	40
6	Ideal alloys of two donor isomers with non-covalently conformational locking for ternary organic solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7519-7526.	5.5	11
7	Spontaneous open-circuit voltage gain of fully fabricated organic solar cells caused by elimination of interfacial energy disorder. <i>Energy and Environmental Science</i> , 2019, 12, 2518-2528.	30.8	57
8	Fluorination-substitution effect on all-small-molecule organic solar cells. <i>Science China Chemistry</i> , 2019, 62, 837-844.	8.2	32
9	All-small-molecule organic solar cells with over 14% efficiency by optimizing hierarchical morphologies. <i>Nature Communications</i> , 2019, 10, 5393.	12.8	273
10	Liquid-Crystalline Small Molecules for Nonfullerene Solar Cells with High Fill Factors and Power Conversion Efficiencies. <i>Advanced Energy Materials</i> , 2019, 9, 1803175.	19.5	55
11	Modulation of the Molecular Orientation at the Bulk Heterojunction Interface via Tuning the Small Molecular Donor-Nonfullerene Acceptor Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31526-31534.	8.0	26
12	Aromatic end-capped acceptor effects on molecular stacking and the photovoltaic performance of solution-processable small molecules. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22077-22085.	10.3	19
13	Enhancing the Photovoltaic Performance via Vertical Phase Distribution Optimization in Small Molecule:PC <sub>71</sub> BM Blends. <i>Advanced Energy Materials</i> , 2017, 7, 1701548.	19.5	57
14	Fluorination-enabled optimal morphology leads to over 11% efficiency for inverted small-molecule organic solar cells. <i>Nature Communications</i> , 2016, 7, 13740.	12.8	549
15	Acceptor End-Capped Oligomeric Conjugated Molecules with Broadened Absorption and Enhanced Extinction Coefficients for High-Efficiency Organic Solar Cells. <i>Advanced Materials</i> , 2016, 28, 5980-5985.	21.0	87
16	Effects of end-capped acceptors subject to subtle structural changes on solution-processable small molecules for organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8894-8900.	2.8	21
17	Synergistic Effect of Polymer and Small Molecules for High-Performance Ternary Organic Solar Cells. <i>Advanced Materials</i> , 2015, 27, 1071-1076.	21.0	192
18	Effects of Shortened Alkyl Chains on Solution-Processable Small Molecules with Oxo-Alkylated Nitrile End-Capped Acceptors for High-Performance Organic Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400538.	19.5	79

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19	Solution-Processable Star-Shaped Molecules with Triphenylamine Core and Dicyanovinyl Endgroups for Organic Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 817-822.	6.7	158