

# Jingbo Zhao

## List of Publications by Citations

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29  
papers

10,269  
citations

26  
h-index

30  
g-index

30  
ext. papers

11,115  
ext. citations

24.6  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
29	Aggregation and morphology control enables multiple cases of high-efficiency polymer solar cells. <i>Nature Communications</i> , <b>2014</b> , 5, 5293	17.4	2609
28	Efficient organic solar cells processed from hydrocarbon solvents. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	1876
27	Nonfullerene Acceptor Molecules for Bulk Heterojunction Organic Solar Cells. <i>Chemical Reviews</i> , <b>2018</b> , 118, 3447-3507	68.1	1051
26	Fast charge separation in a non-fullerene organic solar cell with a small driving force. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	967
25	Quantitative relations between interaction parameter, miscibility and function in organic solar cells. <i>Nature Materials</i> , <b>2018</b> , 17, 253-260	27	409
24	Terthiophene-based D-A polymer with an asymmetric arrangement of alkyl chains that enables efficient polymer solar cells. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14149-57	16.4	358
23	High-efficiency non-fullerene organic solar cells enabled by a difluorobenzothiadiazole-based donor polymer combined with a properly matched small molecule acceptor. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 520-525	35.4	350
22	A tetraphenylethylene core-based 3D structure small molecular acceptor enabling efficient non-fullerene organic solar cells. <i>Advanced Materials</i> , <b>2015</b> , 27, 1015-20	24	334
21	Donor polymer design enables efficient non-fullerene organic solar cells. <i>Nature Communications</i> , <b>2016</b> , 7, 13094	17.4	298
20	Improved Performance of All-Polymer Solar Cells Enabled by Naphthodiperylenetetraimide-Based Polymer Acceptor. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700309	24	245
19	High-Performance Non-Fullerene Polymer Solar Cells Based on a Pair of Donor-Acceptor Materials with Complementary Absorption Properties. <i>Advanced Materials</i> , <b>2015</b> , 27, 7299-304	24	219
18	High-efficiency all-polymer solar cells based on a pair of crystalline low-bandgap polymers. <i>Advanced Materials</i> , <b>2014</b> , 26, 7224-30	24	218
17	A Vinylene-Bridged Perylenediimide-Based Polymeric Acceptor Enabling Efficient All-Polymer Solar Cells Processed under Ambient Conditions. <i>Advanced Materials</i> , <b>2016</b> , 28, 8483-8489	24	190
16	MiscibilityFunction Relations in Organic Solar Cells: Significance of Optimal Miscibility in Relation to Percolation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703058	21.8	175
15	Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of High-Performance PffBT4T-2OD:PC71BM Organic Solar Cells. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501400	21.8	149
14	A Difluorobenzoxadiazole Building Block for Efficient Polymer Solar Cells. <i>Advanced Materials</i> , <b>2016</b> , 28, 1868-73	24	118
13	Efficient Nonfullerene Organic Solar Cells with Small Driving Forces for Both Hole and Electron Transfer. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804215	24	116

12	An Electron Acceptor with Broad Visible-NIR Absorption and Unique Solid State Packing for As-Cast High Performance Binary Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802324	15.6	99
11	Efficient non-fullerene polymer solar cells enabled by tetrahedron-shaped core based 3D-structure small-molecular electron acceptors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13632-13636	13	92
10	Dramatic performance enhancement for large bandgap thick-film polymer solar cells introduced by a difluorinated donor unit. <i>Nano Energy</i> , <b>2015</b> , 15, 607-615	17.1	89
9	Efficient Low-Bandgap Polymer Solar Cells with High Open-Circuit Voltage and Good Stability. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501282	21.8	73
8	A Facile Method to Fine-Tune Polymer Aggregation Properties and Blend Morphology of Polymer Solar Cells Using Donor Polymers with Randomly Distributed Alkyl Chains. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701895	21.8	52
7	Integrated circuits based on conjugated polymer monolayer. <i>Nature Communications</i> , <b>2018</b> , 9, 451	17.4	50
6	Comparing non-fullerene acceptors with fullerene in polymer solar cells: a case study with FTAZ and PyCNTAZ. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4886-4893	13	41
5	The influence of spacer units on molecular properties and solar cell performance of non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20108-20112	13	36
4	The Critical Impact of Material and Process Compatibility on the Active Layer Morphology and Performance of Organic Ternary Solar Cells. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802293	21.8	28
3	Isobenzofulvene-fullerene mono-adducts for organic photovoltaic applications. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 977-980	7.1	10
2	Organic Solar Cells: A Tetraphenylethylene Core-Based 3D Structure Small Molecular Acceptor Enabling Efficient Non-Fullerene Organic Solar Cells (Adv. Mater. 6/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 1014-1014	24	8
1	Organic Solar Cells: Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of High-Performance PffBT4T-2OD:PC71BM Organic Solar Cells (Adv. Energy Mater. 23/2015). <i>Advanced Energy Materials</i> , <b>2015</b> , 5, n/a-n/a	21.8	3