

Jingbo Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2942462/publications.pdf>

Version: 2024-02-01

29
papers

11,861
citations

218677

26
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

7729
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2019, 9, 1802293.	19.5	35
2	Quantitative relations between interaction parameter, miscibility and function in organic solar cells. <i>Nature Materials</i> , 2018, 17, 253-260.	27.5	556
3	Miscibility–Function Relations in Organic Solar Cells: Significance of Optimal Miscibility in Relation to Percolation. <i>Advanced Energy Materials</i> , 2018, 8, 1703058.	19.5	223
4	Integrated circuits based on conjugated polymer monolayer. <i>Nature Communications</i> , 2018, 9, 451.	12.8	69
5	Nonfullerene Acceptor Molecules for Bulk Heterojunction Organic Solar Cells. <i>Chemical Reviews</i> , 2018, 118, 3447-3507.	47.7	1,371
6	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> , 2018, 8, 1701895.	19.5	62
7	Efficient Nonfullerene Organic Solar Cells with Small Driving Forces for Both Hole and Electron Transfer. <i>Advanced Materials</i> , 2018, 30, e1804215.	21.0	161
8	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> , 2018, 28, 1802324.	14.9	116
9	Comparing non-fullerene acceptors with fullerene in polymer solar cells: a case study with FTAZ and PycNTAZ. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4886-4893.	10.3	44
10	Improved Performance of All-Polymer Solar Cells Enabled by Naphthodiperylenetetraimide-Based Polymer Acceptor. <i>Advanced Materials</i> , 2017, 29, 1700309.	21.0	306
11	A Vinylene-Bridged Perylenediimide-Based Polymeric Acceptor Enabling Efficient All-Polymer Solar Cells Processed under Ambient Conditions. <i>Advanced Materials</i> , 2016, 28, 8483-8489.	21.0	222
12	Fast charge separation in a non-fullerene organic solar cell with a small driving force. <i>Nature Energy</i> , 2016, 1, .	39.5	1,167
13	Donor polymer design enables efficient non-fullerene organic solar cells. <i>Nature Communications</i> , 2016, 7, 13094.	12.8	328
14	Efficient organic solar cells processed from hydrocarbon solvents. <i>Nature Energy</i> , 2016, 1, .	39.5	2,129
15	A Difluorobenzoxadiazole Building Block for Efficient Polymer Solar Cells. <i>Advanced Materials</i> , 2016, 28, 1868-1873.	21.0	125
16	Organic Solar Cells: Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of High-Performance PffBT4T-2OD:PC ₇₁ BM Organic Solar Cells (Adv. Energy Mater.)	19.5	166
17	Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of High-Performance PffBT4T-2OD:PC ₇₁ BM Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1501400.	19.5	166
18	High-Performance Non-Fullerene Polymer Solar Cells Based on a Pair of Donor–Acceptor Materials with Complementary Absorption Properties. <i>Advanced Materials</i> , 2015, 27, 7299-7304.	21.0	230

#	ARTICLE	IF	CITATIONS
19	Efficient Low-Bandgap Polymer Solar Cells with High Open-Circuit Voltage and Good Stability. <i>Advanced Energy Materials</i> , 2015, 5, 1501282.	19.5	76
20	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> , 2015, 3, 13632-13636.	10.3	100
21	Dramatic performance enhancement for large bandgap thick-film polymer solar cells introduced by a difluorinated donor unit. <i>Nano Energy</i> , 2015, 15, 607-615.	16.0	93
22	Organic Solar Cells: A Tetraphenylethylene Core-Based 3D Structure Small Molecular Acceptor Enabling Efficient Non-Fullerene Organic Solar Cells (<i>Adv. Mater.</i> 6/2015). <i>Advanced Materials</i> , 2015, 27, 1014-1014.	21.0	9
23	Terthiophene-Based A Polymer with an Asymmetric Arrangement of Alkyl Chains That Enables Efficient Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 14149-14157.	13.7	386
24	The influence of spacer units on molecular properties and solar cell performance of non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20108-20112.	10.3	41
25	Isobenzofulvene-fullerene mono-adducts for organic photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 977-980.	5.5	11
26	A Tetraphenylethylene Core-Based 3D Structure Small Molecular Acceptor Enabling Efficient Non-Fullerene Organic Solar Cells. <i>Advanced Materials</i> , 2015, 27, 1015-1020.	21.0	362
27	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> , 2015, 8, 520-525.	30.8	379
28	High-Efficiency All-Polymer Solar Cells Based on a Pair of Crystalline Low-Bandgap Polymers. <i>Advanced Materials</i> , 2014, 26, 7224-7230.	21.0	228
29	Aggregation and morphology control enables multiple cases of high-efficiency polymer solar cells. <i>Nature Communications</i> , 2014, 5, 5293.	12.8	2,854