

Qianqian Zhang

List of Publications by Year in descending order

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31
papers

3,530
citations

346980

22
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511568

30
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docs citations

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times ranked

3859
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalization of Benzotriazole-Based Conjugated Polymers for Solar Cells: Heteroatom vs Substituents. <i>ACS Applied Polymer Materials</i> , 2021, 3, 30-41.	2.0	14
2	Nanostructured Lateral Boryl Substitution Conjugated Donor–Acceptor Oligomers for Visible-Light-Driven Hydrogen Production. <i>Small</i> , 2021, 17, e2100132.	5.2	23
3	Effect of Cyano Substitution on Conjugated Polymers for Bulk Heterojunction Solar Cells. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3313-3322.	2.0	17
4	The impact of fluorination on both donor polymer and non-fullerene acceptor: The more fluorine, the merrier. <i>Nano Research</i> , 2019, 12, 2400-2405.	5.8	28
5	Sequential Deposition of Organic Films with Eco-Compatible Solvents Improves Performance and Enables Over 12% Efficiency Nonfullerene Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1808153.	11.1	132
6	Green-Solvent-Processed Conjugated Polymers for Organic Solar Cells: The Impact of Oligoethylene Glycol Side Chains. <i>ACS Applied Polymer Materials</i> , 2019, 1, 804-814.	2.0	39
7	Revealing the Impact of F4TCNQ as Additive on Morphology and Performance of High-Efficiency Nonfullerene Organic Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1806262.	7.8	55
8	Solar Cells: Surpassing 10% Efficiency Benchmark for Nonfullerene Organic Solar Cells by Scalable Coating in Air from Single Nonhalogenated Solvent (<i>Adv. Mater.</i> 8/2018). <i>Advanced Materials</i> , 2018, 30, 1870054.	11.1	3
9	Balanced Partnership between Donor and Acceptor Components in Nonfullerene Organic Solar Cells with >12% Efficiency. <i>Advanced Materials</i> , 2018, 30, e1706363.	11.1	172
10	Polymer Solar Cells with 90% External Quantum Efficiency Featuring an Ideal Light and Charge Manipulation Layer. <i>Advanced Materials</i> , 2018, 30, e1706083.	11.1	76
11	Surpassing 10% Efficiency Benchmark for Nonfullerene Organic Solar Cells by Scalable Coating in Air from Single Nonhalogenated Solvent. <i>Advanced Materials</i> , 2018, 30, 1705485.	11.1	150
12	Naphthodithiophene-Based Nonfullerene Acceptor for High-Performance Organic Photovoltaics: Effect of Extended Conjugation. <i>Advanced Materials</i> , 2018, 30, 1704713.	11.1	199
13	The finale of a trilogy: comparing terpolymers and ternary blends with structurally similar backbones for use in organic bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19190-19200.	5.2	13
14	Unique Energy Alignments of a Ternary Material System toward High-Performance Organic Photovoltaics. <i>Advanced Materials</i> , 2018, 30, e1801501.	11.1	116
15	Shear-Enhanced Transfer Printing of Conducting Polymer Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31560-31567.	4.0	34
16	Design and Synthesis of Conjugated Polymers for Solar Cells. <i>Materials and Energy</i> , 2018, , 1-30.	2.5	0
17	Fused Nonacyclic Electron Acceptors for Efficient Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 1336-1343.	6.6	813
18	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.	5.2	44

#	ARTICLE	IF	CITATIONS
19	Single-junction Binary Blend Nonfullerene Polymer Solar Cells with 12.1% Efficiency. <i>Advanced Materials</i> , 2017, 29, 1700144.	11.1	629
20	Charge Generation and Mobility-Limited Performance of Bulk Heterojunction Solar Cells with a Higher Adduct Fullerene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10305-10316.	1.5	11
21	Panchromatic Sequentially Cast Ternary Polymer Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1604603.	11.1	87
22	Molecular Engineering of Conjugated Polymers for Solar Cells: An Updated Report. <i>Advanced Materials</i> , 2017, 29, 1601391.	11.1	139
23	Incorporating Fluorine Substitution into Conjugated Polymers for Solar Cells: Three Different Means, Same Results. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2059-2068.	1.5	22
24	Fluorination of Donor-acceptor Copolymer Active Layers Enhances Charge Mobilities in Thin-Film Transistors. <i>ACS Macro Letters</i> , 2017, 6, 1162-1167.	2.3	18
25	Donor polymer fluorination doubles the efficiency in non-fullerene organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22536-22541.	5.2	27
26	The Curious Case of Fluorination of Conjugated Polymers for Solar Cells. <i>Accounts of Chemical Research</i> , 2017, 50, 2401-2409.	7.6	309
27	Enhancing Performance of Nonfullerene Acceptors via Side-chain Conjugation Strategy. <i>Advanced Materials</i> , 2017, 29, 1702125.	11.1	249
28	Enhancing Efficiency and Stability of Organic Solar Cells by UV Absorbent. <i>Solar Rrl</i> , 2017, 1, 1700148.	3.1	21
29	Fluorinated Thiophene Units Improve Photovoltaic Device Performance of Donor-acceptor Copolymers. <i>Chemistry of Materials</i> , 2017, 29, 5990-6002.	3.2	57
30	Comparative Photovoltaic Study of Physical Blending of Two Donor-acceptor Polymers with the Chemical Blending of the Respective Moieties. <i>Macromolecules</i> , 2016, 49, 2533-2540.	2.2	31
31	Direct Optical Observation of Stimulated Emission from Hot Charge Transfer Excitons in Bulk Heterojunction Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19697-19702.	1.5	2