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List of Publications by Year
in descending order

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40 papers	6,354 citations	201385 27 h-index	301761 39 g-index
40 all docs	40 docs citations	40 times ranked	4517 citing authors

#	Article	IF	Citations
1	Efficient Electron Transport Layer Free Smallâ€Molecule Organic Solar Cells with Superior Device Stability. Advanced Materials, 2021, 33, e2008429.	11.1	51
2	Efficient Solar Cells Based on a Polymer Donor with Î²-Branching in Trialkylsilyl Side Chains. Organic Materials, 2021, 03, 134-140.	1.0	0
3	Controlling the Microstructure of Conjugated Polymers in Highâ€Mobility Monolayer Transistors via the Dissolution Temperature. Angewandte Chemie - International Edition, 2020, 59, 846-852.	7.2	61
4	Controlling the Microstructure of Conjugated Polymers in Highâ€Mobility Monolayer Transistors via the Dissolution Temperature. Angewandte Chemie, 2020, 132, 856-862.	1.6	15
5	Precise Control of Phase Separation Enables 12% Efficiency in All Small Molecule Solar Cells. Advanced Energy Materials, 2020, 10, 2001589.	10.2	33
6	Effect of main and side chain chlorination on the photovoltaic properties of benzodithiophene-alt-benzotriazole polymers. Journal of Materials Chemistry C, 2020, 8, 15426-15435.	2.7	10
7	Multi-length scale morphology of nonfullerene all-small molecule blends and its relation to device function in organic solar cells. Materials Chemistry Frontiers, 2019, 3, 137-144.	3.2	12
8	Ultrafast hole transfer mediated by polaron pairs in all-polymer photovoltaic blends. Nature Communications, 2019, 10, 398.	5.8	56
9	Effect of Replacing Thiophene by Selenophene on the Photovoltaic Performance of Wide Bandgap Copolymer Donors. Macromolecules, 2019, 52, 4776-4784.	2.2	26
10	A low cost and high performance polymer donor material for polymer solar cells. Nature Communications, 2018, 9, 743.	5.8	635
11	Fineâ€Tuning of Molecular Packing and Energy Level through Methyl Substitution Enabling Excellent Small Molecule Acceptors for Nonfullerene Polymer Solar Cells with Efficiency up to 12.54%. Advanced Materials, 2018, 30, 1706124.	11.1	253
12	A universal nonfullerene electron acceptor matching with different band-gap polymer donors for high-performance polymer solar cells. Journal of Materials Chemistry A, 2018, 6, 6874-6881.	5.2	37
13	Polymer Doping for Highâ€Efficiency Perovskite Solar Cells with Improved Moisture Stability. Advanced Energy Materials, 2018, 8, 1701757.	10.2	293
14	Effect of Alkylsilyl Sideâ€Chain Structure on Photovoltaic Properties of Conjugated Polymer Donors. Advanced Energy Materials, 2018, 8, 1702324.	10.2	102
15	Simultaneously Achieved High Openâ€Circuit Voltage and Efficient Charge Generation by Fineâ€Tuning Chargeâ€Transfer Driving Force in Nonfullerene Polymer Solar Cells. Advanced Functional Materials, 2018, 28, 1704507.	7.8	180
16	Ternary non-fullerene polymer solar cells with a high crystallinity n-type organic semiconductor as the second acceptor. Journal of Materials Chemistry A, 2018, 6, 24814-24822.	5.2	16
17	Highâ€Efficiency Allâ€Smallâ€Molecule Organic Solar Cells Based on an Organic Molecule Donor with Alkylsilylâ€Thienyl Conjugated Side Chains. Advanced Materials, 2018, 30, e1706361.	11.1	154
18	Short-axis substitution approach on ladder-type benzodithiophene-based electron acceptor toward highly efficient organic solar cells. Science China Chemistry, 2018, 61, 1405-1412.	4.2	16

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19	Effect of Side-Chain Engineering of Bithienylbenzodithiophene-alt-fluorobenzotriazole-Based Copolymers on the Thermal Stability and Photovoltaic Performance of Polymer Solar Cells. Macromolecules, 2018, 51, 6028-6036.	2.2	47
20	All-small molecule solar cells based on donor molecule optimization with highly enhanced efficiency and stability. Journal of Materials Chemistry A, 2018, 6, 15675-15683.	5.2	55
21	Development of Spiro[cyclopenta[1,2-b:5,4-bâ€²]dithiophene-4,9â€²-fluorene]-Based A-Ï€-D-Ï€-A Small Molecules with Different Acceptor Units for Efficient Organic Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 4614-4625.	4.0	49
22	High Efficiency Ternary Nonfullerene Polymer Solar Cells with Two Polymer Donors and an Organic Semiconductor Acceptor. Advanced Energy Materials, 2017, 7, 1602215.	10.2	92
23	Synthesis and characterization of arylenevinylenearyleneâ€“naphthalene diimide copolymers as acceptor in allâ€“polymer solar cells. Journal of Polymer Science Part A, 2017, 55, 1757-1764.	2.5	19
24	Effect of furan Ï€-bridge on the photovoltaic performance of D-A copolymers based on bi(alkylthio-thienyl)benzodithiophene and fluorobenzotriazole. Science China Chemistry, 2017, 60, 537-544.	4.2	27
25	9.73% Efficiency Nonfullerene All Organic Small Molecule Solar Cells with Absorption-Complementary Donor and Acceptor. Journal of the American Chemical Society, 2017, 139, 5085-5094.	6.6	303
26	Insertion of double bond Ï€-bridges of Aâ€“Dâ€“A acceptors for high performance near-infrared polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 22588-22597.	5.2	61
27	Cellular Architectureâ€Based Allâ€Polymer Flexible Thinâ€Film Photodetectors with High Performance and Stability in Harsh Environment. Advanced Materials Technologies, 2017, 2, 1700185.	3.0	7
28	Side Chain Engineering on Medium Bandgap Copolymers to Suppress Triplet Formation for Highâ€Efficiency Polymer Solar Cells. Advanced Materials, 2017, 29, 1703344.	11.1	209
29	Medium Bandgap Polymer Donor Based on Bi(trialkylsilylthienylâ€benzo[1,2â€b:4,5â€bâ€²]â€difuran) for High Performance Nonfullerene Polymer Solar Cells. Advanced Energy Materials, 2017, 7, 1700746.	10.2	72
30	All-Small-Molecule Nonfullerene Organic Solar Cells with High Fill Factor and High Efficiency over 10%. Chemistry of Materials, 2017, 29, 7543-7553.	3.2	184
31	Mapping Polymer Donors toward Highâ€Efficiency Fullerene Free Organic Solar Cells. Advanced Materials, 2017, 29, 1604155.	11.1	360
32	Naphthalenediimideâ€altâ€Fused Thiophene Dâ€“A Copolymers for the Application as Acceptor in Allâ€Polymer Solar Cells. Chemistry - an Asian Journal, 2016, 11, 2785-2791.	1.7	18
33	11.4% Efficiency non-fullerene polymer solar cells with trialkylsilyl substituted 2D-conjugated polymer as donor. Nature Communications, 2016, 7, 13651.	5.8	917
34	Alkoxy substituted benzodithiophene-alt-fluorobenzotriazole copolymer as donor in non-fullerene polymer solar cells. Science China Chemistry, 2016, 59, 1317-1322.	4.2	26
35	Highâ€Efficiency Nonfullerene Polymer Solar Cells with Medium Bandgap Polymer Donor and Narrow Bandgap Organic Semiconductor Acceptor. Advanced Materials, 2016, 28, 8288-8295.	11.1	247
36	Side-Chain Isomerization on an n-type Organic Semiconductor ITIC Acceptor Makes 11.77% High Efficiency Polymer Solar Cells. Journal of the American Chemical Society, 2016, 138, 15011-15018.	6.6	826

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37	Non-Fullerene Polymer Solar Cells Based on Alkylthio and Fluorine Substituted 2D-Conjugated Polymers Reach 9.5% Efficiency. Journal of the American Chemical Society, 2016, 138, 4657-4664.	6.6	743
38	Indacenodithienothiopheneâ€“naphthalene diimide copolymer as an acceptor for all-polymer solar cells. Journal of Materials Chemistry A, 2016, 4, 5810-5816.	5.2	66
39	Synthesis and optoelectronic properties of new Dâ€“A copolymers based on fluorinated benzothiadiazole and benzoselenadiazole. Polymer Chemistry, 2014, 5, 567-577.	1.9	48
40	Effects of donor unit and Ïâ€bridge on photovoltaic properties of Dâ€“A copolymers based on benzo[1,2â€b:4,5â€c']â€dithiopheneâ€4,8â€dione acceptor unit. Journal of Polymer Science Part A, 2014, 52, 1929-1940.	2.5	28