

Yanming Sun

List of Publications by Year in descending order

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131
papers

19,893
citations

20817

60
h-index

12946

131
g-index

133
all docs

133
docs citations

133
times ranked

10132
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-fullerene acceptor pre-aggregates enable high efficiency pseudo-bulk heterojunction organic solar cells. <i>Science China Chemistry</i> , 2022, 65, 373-381.	8.2	20
2	Polymerized Small Molecular Acceptor with Branched Side Chains for All Polymer Solar Cells with Efficiency over 16.7%. <i>Advanced Materials</i> , 2022, 34, e2110155.	21.0	79
3	Benzo[1,2- <i>b</i> :4,5- <i>b'</i>]difuran Based Polymer Donor for High Efficiency (>16%) and Stable Organic Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	37
4	Ternary strategy enabling high-efficiency rigid and flexible organic solar cells with reduced non-radiative voltage loss. <i>Energy and Environmental Science</i> , 2022, 15, 1563-1572.	30.8	83
5	High fill factor organic solar cells with increased dielectric constant and molecular packing density. <i>Joule</i> , 2022, 6, 444-457.	24.0	117
6	Recent Progress of Benzodifuran-Based Polymer Donors for High-Performance Organic Photovoltaics. <i>Small Science</i> , 2022, 2, .	9.9	10
7	Single-junction organic solar cells with over 19% efficiency enabled by a refined double-fibril network morphology. <i>Nature Materials</i> , 2022, 21, 656-663.	27.5	1,214
8	Vertically optimized phase separation with improved exciton diffusion enables efficient organic solar cells with thick active layers. <i>Nature Communications</i> , 2022, 13, 2369.	12.8	122
9	Revisiting Conjugated Polymers with Long-Branched Alkyl Chains: High Molecular Weight, Excellent Mechanical Properties, and Low Voltage Losses. <i>Macromolecules</i> , 2022, 55, 5964-5974.	4.8	13
10	A facile strategy for third-component selection in non-fullerene acceptor-based ternary organic solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 5009-5016.	30.8	119
11	Synergistic effect of the selenophene-containing central core and the regioisomeric monochlorinated terminals on the molecular packing, crystallinity, film morphology, and photovoltaic performance of selenophene-based nonfullerene acceptors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1923-1935.	5.5	21
12	Non-fullerene acceptors with branched side chains and improved molecular packing to exceed 18% efficiency in organic solar cells. <i>Nature Energy</i> , 2021, 6, 605-613.	39.5	1,307
13	A unified description of non-radiative voltage losses in organic solar cells. <i>Nature Energy</i> , 2021, 6, 799-806.	39.5	235
14	High-efficiency organic solar cells with low voltage loss induced by solvent additive strategy. <i>Matter</i> , 2021, 4, 2542-2552.	10.0	118
15	A Well-Mixed Phase Formed by Two Compatible Non-Fullerene Acceptors Enables Ternary Organic Solar Cells with Efficiency over 18.6%. <i>Advanced Materials</i> , 2021, 33, e2101733.	21.0	354
16	Fine-Tuning Aggregation of Nonfullerene Acceptor Enables High-Efficiency Organic Solar Cells. <i>Small Structures</i> , 2021, 2, 2100055.	12.0	7
17	Benzyl side-chain engineering of non-fullerene acceptors for efficient organic solar cells. <i>Dyes and Pigments</i> , 2021, 195, 109706.	3.7	5
18	High-efficiency organic solar cells enabled by an alcohol-washable solid additive. <i>Science China Chemistry</i> , 2021, 64, 2161-2168.	8.2	32

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19	Heteroatom substitution-induced asymmetric A ⁺ A type non-fullerene acceptor for efficient organic solar cells. <i>Journal of Energy Chemistry</i> , 2020, 40, 144-150.	12.9	45
20	Non-Fullerene Organic Solar Cells Based on Benzo[1,2-b:4,5-b ²]difuran-Conjugated Polymer with 14% Efficiency. <i>Advanced Functional Materials</i> , 2020, 30, 1906809.	14.9	41
21	Effects of monohalogenated terminal units of non-fullerene acceptors on molecular aggregation and photovoltaic performance. <i>Solar Energy</i> , 2020, 208, 866-872.	6.1	15
22	Unraveling the influence of non-fullerene acceptor molecular packing on photovoltaic performance of organic solar cells. <i>Nature Communications</i> , 2020, 11, 6005.	12.8	112
23	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	2.2	69
24	An Optimized Fibril Network Morphology Enables High-Efficiency and Ambient-Stable Polymer Solar Cells. <i>Advanced Science</i> , 2020, 7, 2001986.	11.2	34
25	High-Efficiency Organic Solar Cells with Wide Tolerance of Active Layer Thickness. <i>Solar Rrl</i> , 2020, 4, 2000476.	5.8	10
26	Ferrocene as a highly volatile solid additive in non-fullerene organic solar cells with enhanced photovoltaic performance. <i>Energy and Environmental Science</i> , 2020, 13, 5117-5125.	30.8	93
27	Effect of the Energy Offset on the Charge Dynamics in Nonfullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43984-43991.	8.0	19
28	Solution-Processed Organic Solar Cells with High Open-Circuit Voltage of 1.3 V and Low Non-Radiative Voltage Loss of 0.16 V. <i>Advanced Materials</i> , 2020, 32, e2002122.	21.0	168
29	Effect of Extended π -Conjugation of Central Cores on Photovoltaic Properties of Asymmetric Wide-Bandgap Nonfullerene Acceptors. <i>Organic Materials</i> , 2020, 02, 173-181.	2.0	2
30	Fibril Network Strategy Enables High-Performance Semitransparent Organic Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2002181.	14.9	113
31	Optimized active layer morphology toward efficient and polymer batch insensitive organic solar cells. <i>Nature Communications</i> , 2020, 11, 2855.	12.8	237
32	Fuller-Rylenes: Paving the Way for Promising Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29513-29519.	8.0	4
33	Organic solar cells based on chlorine functionalized benzo[1,2-b:4,5-b ²]difuran-benzo[1,2-c:4,5-c ²]dithiophene-4,8-dione copolymer with efficiency exceeding 13%. <i>Science China Chemistry</i> , 2020, 63, 483-489.	8.2	8
34	Efficient Fused-Ring Extension of A ⁺ A Type Non-Fullerene Acceptors by a Symmetric Replicating Core Unit Strategy. <i>Chemistry - A European Journal</i> , 2020, 26, 12411-12417.	3.3	13
35	The first application of isoindigo-based polymers in non-fullerene organic solar cells. <i>Science China Chemistry</i> , 2020, 63, 1262-1271.	8.2	20
36	Asymmetrically Alkyl-Substituted Wide-Bandgap Nonfullerene Acceptor for Organic Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000061.	5.8	15

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37	Simultaneously improving the photovoltaic parameters of organic solar cells via isomerization of benzo[<i>b</i>]benzo[4,5]thieno[2,3- <i>d</i>]thiophene-based octacyclic non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9684-9692.	10.3	28
38	Polymer Donors for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4442-4453.	13.8	361
39	A General Approach for Lab-to-Manufacturing Translation on Flexible Organic Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1903649.	21.0	114
40	Highly Transparent Organic Solar Cells with All-Near-Infrared Photoactive Materials. <i>Small Methods</i> , 2019, 3, 1900424.	8.6	55
41	Asymmetric A-type nonfullerene small molecule acceptors for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19348-19354.	10.3	33
42	Exploring a Fused 2-(Thiophen-2-yl)thieno[3,2- <i>b</i>]thiophene (T-TT) Building Block to Construct n-Type Polymer for High-Performance All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42412-42419.	8.0	13
43	Flexible Solar Cells: A General Approach for Lab-to-Manufacturing Translation on Flexible Organic Solar Cells (<i>Adv. Mater.</i> 41/2019). <i>Advanced Materials</i> , 2019, 31, 1970294.	21.0	5
44	Isomerization of Perylene Diimide Based Acceptors Enabling High-Performance Nonfullerene Organic Solar Cells with Excellent Fill Factor. <i>Advanced Science</i> , 2019, 6, 1802065.	11.2	69
45	Ternary organic solar cells based on two compatible PDI-based acceptors with an enhanced power conversion efficiency. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3552-3557.	10.3	58
46	Changing the π -bridge from thiophene to thieno[3,2- <i>b</i>]thiophene for the A type polymer enables high performance fullerene-free organic solar cells. <i>Chemical Communications</i> , 2019, 55, 6708-6710.	4.1	88
47	Asymmetric Nonfullerene Small Molecule Acceptors for Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1900999.	19.5	190
48	Optimal bulk-heterojunction morphology enabled by fibril network strategy for high-performance organic solar cells. <i>Science China Chemistry</i> , 2019, 62, 662-668.	8.2	118
49	Ternary Organic Solar Cells with Small Nonradiative Recombination Loss. <i>ACS Energy Letters</i> , 2019, 4, 1196-1203.	17.4	101
50	Asymmetric fused-ring electron acceptor with two distinct terminal groups for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8055-8060.	10.3	45
51	Ternary Organic Solar Cells with Efficiency >16.5% Based on Two Compatible Nonfullerene Acceptors. <i>Advanced Materials</i> , 2019, 31, e1905645.	21.0	240
52	Polymer Donors for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie</i> , 2019, 131, 4488-4499.	2.0	36
53	Fluorobenzotriazole (FTAZ)-Based Polymer Donor Enables Organic Solar Cells Exceeding 12% Efficiency. <i>Advanced Functional Materials</i> , 2019, 29, 1808828.	14.9	61
54	Insertion of chlorine atoms onto π -bridges of conjugated polymer enables improved photovoltaic performance. <i>Nano Energy</i> , 2019, 58, 220-226.	16.0	67

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55	Asymmetric selenophene-based non-fullerene acceptors for high-performance organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1435-1441.	10.3	52
56	High-performance Eight-membered Indacenodithiophene-Based Asymmetric A-D-A Type Non-Fullerene Acceptors. <i>Solar Rrl</i> , 2019, 3, 1800246.	5.8	40
57	Efficient Ternary Organic Solar Cells Enabled by the Integration of Nonfullerene and Fullerene Acceptors with a Broad Composition Tolerance. <i>Advanced Functional Materials</i> , 2019, 29, 1807006.	14.9	81
58	Steric Engineering of Alkylthiolation Side Chains to Finely Tune Miscibility in Nonfullerene Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1802686.	19.5	51
59	A nonfullerene acceptor utilizing a novel asymmetric multifused-ring core unit for highly efficient organic solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4873-4877.	5.5	73
60	Facile Fabrication of Highly Dispersed Pd@Ag Core-Shell Nanoparticles Embedded in <i>Spirulina platensis</i> by Electroless Deposition and Their Catalytic Properties. <i>Advanced Functional Materials</i> , 2018, 28, 1707231.	14.9	46
61	Isomeric N-Annulated Perylene Diimide Dimers for Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2018, 13, 918-923.	3.3	27
62	Morphology Characterization of Bulk Heterojunction Solar Cells. <i>Small Methods</i> , 2018, 2, 1700229.	8.6	98
63	Fine-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%. <i>Advanced Materials</i> , 2018, 30, 1706124.	21.0	253
64	Novel π -Conjugated Polymer Based on an Extended Thienoquinoid. <i>Chemistry of Materials</i> , 2018, 30, 319-323.	6.7	17
65	A three-dimensional thiophene-annulated perylene bisimide as a fullerene-free acceptor for a high performance polymer solar cell with the highest PCE of 8.28% and a V_{OC} over 1.0 V. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1136-1142.	5.5	41
66	Benzothiadiazole Versus Thiophene: Influence of the Auxiliary Acceptor on the Photovoltaic Properties of Donor-Acceptor-Based Copolymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700547.	3.9	7
67	Advances in Non-Fullerene Acceptor Based Ternary Organic Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700158.	5.8	98
68	<i>In Situ</i> Characterization of the Triphase Contact Line in a Brush-Coating Process: Toward the Enhanced Efficiency of Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39448-39454.	8.0	25
69	Suppression of Recombination Energy Losses by Decreasing the Energetic Offsets in Perylene Diimide-Based Nonfullerene Organic Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 2729-2735.	17.4	50
70	Asymmetrical vs Symmetrical Selenophene-Annulated Fused Perylenediimide Acceptors for Efficient Non-Fullerene Polymer Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 6577-6585.	5.1	42
71	A tetrameric perylene diimide non-fullerene acceptor <i>via</i> unprecedented direct (hetero)arylation cross-coupling reactions. <i>Chemical Communications</i> , 2018, 54, 11443-11446.	4.1	28
72	Extension of indacenodithiophene backbone conjugation enables efficient asymmetric A-D-A type non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18847-18852.	10.3	80

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73	Optimized Fibril Network Morphology by Precise Side-Chain Engineering to Achieve High-Performance Bulk-Heterojunction Organic Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1707353.	21.0	271
74	High-Performance Semitransparent Ternary Organic Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1800627.	14.9	109
75	Novel Nonconjugated Polymer as Cathode Buffer Layer for Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24082-24089.	8.0	20
76	A novel bifunctional A-D-A type small molecule for efficient organic solar cells. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1626-1630.	5.9	12
77	Controlling Molecular Weight to Achieve High-Efficient Polymer Solar Cells With Unprecedented Fill Factor of 79% Based on Non-Fullerene Small Molecule Acceptor. <i>Solar Rrl</i> , 2018, 2, 1800129.	5.8	16
78	Synergistic Effects of Fluorination and Alkylthiolation on the Photovoltaic Performance of the Poly(benzodithiophene-benzothiadiazole) Copolymers. <i>ACS Applied Energy Materials</i> , 2018, 1, 4686-4694.	5.1	9
79	Subtle Side-Chain Engineering of Random Terpolymers for High-Performance Organic Solar Cells. <i>Chemistry of Materials</i> , 2018, 30, 3294-3300.	6.7	64
80	Morphology Control Enables Efficient Ternary Organic Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1803045.	21.0	243
81	Enhanced open-circuit voltage in methoxyl substituted benzodithiophene-based polymer solar cells. <i>Science China Chemistry</i> , 2017, 60, 243-250.	8.2	15
82	Organic Solar Cells Based on WO ₂ .72 Nanowire Anode Buffer Layer with Enhanced Power Conversion Efficiency and Ambient Stability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12629-12636.	8.0	33
83	Highly Efficient Parallel-Like Ternary Organic Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 2914-2920.	6.7	152
84	Rigid Nonfullerene Acceptors Based on Triptycene-Perylene Dye for Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1286-1290.	3.3	22
85	A Novel Thiophene-Fused Ending Group Enabling an Excellent Small Molecule Acceptor for High-Performance Fullerene-Free Polymer Solar Cells with 11.8% Efficiency. <i>Solar Rrl</i> , 2017, 1, 1700044.	5.8	198
86	Alkyl Side-Chain Engineering in Wide-Bandgap Copolymers Leading to Power Conversion Efficiencies over 10%. <i>Advanced Materials</i> , 2017, 29, 1604251.	21.0	213
87	Influence of 2,2-bithiophene and thieno[3,2-b] thiophene units on the photovoltaic performance of benzodithiophene-based wide-bandgap polymers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4471-4479.	5.5	12
88	Recent Advances in Wide-Bandgap Photovoltaic Polymers. <i>Advanced Materials</i> , 2017, 29, 1605437.	21.0	276
89	Design, synthesis, and structural characterization of the first dithienocyclopentacarbazole-based n-type organic semiconductor and its application in non-fullerene polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7451-7461.	10.3	68
90	Influence of alkyl chains on photovoltaic properties of 3D rylene propeller electron acceptors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3475-3482.	10.3	51

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91	Non-planar perylene diimide acceptors with different geometrical linker units for efficient non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1713-1723.	10.3	54
92	Pyrene-Fused Perylene Diimides: New Building Blocks to Construct Non-Fullerene Acceptors With Extremely High Open-Circuit Voltages up to 1.26 V. <i>Solar Rrl</i> , 2017, 1, 1700123.	5.8	24
93	Rational design of two-dimensional PDI-based small molecular acceptor from extended indacenodithiazole core for organic solar cells. <i>Dyes and Pigments</i> , 2017, 147, 31-39.	3.7	14
94	Capillary-Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. <i>Advanced Functional Materials</i> , 2017, 27, 1701347.	14.9	53
95	Rational design of perylene diimide-based polymer acceptor for efficient all-polymer solar cells. <i>Organic Electronics</i> , 2017, 50, 376-383.	2.6	14
96	Regioregular Bis-Pyridal[2,1,3]thiadiazole-Based Semiconducting Polymer for High-Performance Ambipolar Transistors. <i>Journal of the American Chemical Society</i> , 2017, 139, 17735-17738.	13.7	115
97	Unraveling the Characteristic Shape for Magnetic Field Effects in Polymer-Fullerene Solar Cells. <i>ACS Omega</i> , 2017, 2, 7777-7783.	3.5	4
98	High-performance wide-bandgap copolymers based on indacenodithiophene and indacenodithieno[3,2-b]thiophene units. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7777-7783.	5.5	22
99	Thienobenzene-fused perylene bisimide as a non-fullerene acceptor for organic solar cells with a high open-circuit voltage and power conversion efficiency. <i>Materials Chemistry Frontiers</i> , 2017, 1, 749-756.	5.9	44
100	Mapping Polymer Donors toward High-Efficiency Fullerene Free Organic Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1604155.	21.0	360
101	Triphenylamine-cored star-shape compounds as non-fullerene acceptor for high-efficiency organic solar cells: Tuning the optoelectronic properties by S/Se-annulated perylene diimide. <i>Organic Electronics</i> , 2017, 41, 166-172.	2.6	51
102	Alloy Acceptor: Superior Alternative to PCBM toward Efficient and Stable Organic Solar Cells. <i>Advanced Materials</i> , 2016, 28, 8021-8028.	21.0	207
103	Ternary Organic Solar Cells Based on Two Highly Efficient Polymer Donors with Enhanced Power Conversion Efficiency. <i>Advanced Energy Materials</i> , 2016, 6, 1502109.	19.5	147
104	Influence of aromatic heterocycle of conjugated side chains on photovoltaic performance of benzodithiophene-based wide-bandgap polymers. <i>Polymer Chemistry</i> , 2016, 7, 4036-4045.	3.9	26
105	Effects of a heteroatomic benzothienothiophenedione acceptor on the properties of a series of wide-bandgap photovoltaic polymers. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9052-9059.	5.5	10
106	Ternary Organic Solar Cells Based on Two Compatible Nonfullerene Acceptors with Power Conversion Efficiency >10%. <i>Advanced Materials</i> , 2016, 28, 10008-10015.	21.0	254
107	Wide bandgap copolymers with vertical benzodithiophene dicarboxylate for high-performance polymer solar cells with an efficiency up to 7.49%. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18792-18803.	10.3	30
108	Top-Pinning Controlled Dewetting for Fabrication of Large-Scaled Polymer Microwires and Applications in OFETs. <i>Advanced Electronic Materials</i> , 2016, 2, 1600111.	5.1	12

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109	High-performance conjugated terpolymer-based organic bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13930-13937.	10.3	29
110	High-Performance Non-Fullerene Organic Solar Cells Based on a Selenium-Containing Polymer Donor and a Twisted Perylene Bisimide Acceptor. <i>Advanced Science</i> , 2016, 3, 1600117.	11.2	76
111	Structure Evolution of Oligomer Fused-Ring Electron Acceptors toward High Efficiency of As-Cast Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600854.	19.5	152
112	Three-Bladed Rylene Propellers with Three-Dimensional Network Assembly for Organic Electronics. <i>Journal of the American Chemical Society</i> , 2016, 138, 10184-10190.	13.7	449
113	Perylene Bisimides as efficient electron transport layers in planar heterojunction perovskite solar cells. <i>Science China Chemistry</i> , 2016, 59, 1658-1662.	8.2	9
114	Dithieno[3,2-b:2',3'-d]pyridin-5(4H)-one based D-A type copolymers with wide bandgaps of up to 2.05 eV to achieve solar cell efficiencies of up to 7.33%. <i>Chemical Science</i> , 2016, 7, 6167-6175.	7.4	43
115	A twisted monomeric perylene diimide electron acceptor for efficient organic solar cells. <i>Science China Materials</i> , 2016, 59, 427-434.	6.3	13
116	High-Performance Solution-Processed Non-Fullerene Organic Solar Cells Based on Selenophene-Containing Perylene Bisimide Acceptor. <i>Journal of the American Chemical Society</i> , 2016, 138, 375-380.	13.7	643
117	High-Performance Electron Acceptor with Thienyl Side Chains for Organic Photovoltaics. <i>Journal of the American Chemical Society</i> , 2016, 138, 4955-4961.	13.7	915
118	Bis(peryene diimide) with DACH bridge as non-fullerene electron acceptor for organic solar cells. <i>RSC Advances</i> , 2016, 6, 14027-14033.	3.6	19
119	A Facile Planar Fused-Ring Electron Acceptor for As-Cast Polymer Solar Cells with 8.71% Efficiency. <i>Journal of the American Chemical Society</i> , 2016, 138, 2973-2976.	13.7	885
120	Organic Solar Cells Based on a 2D Benzo[1,2-a:4,5-b']difuran-Conjugated Polymer with High Power Conversion Efficiency. <i>Advanced Materials</i> , 2015, 27, 6969-6975.	21.0	151
121	Measurement of the Charge Carrier Mobility Distribution in Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4989-4996.	21.0	27
122	Enhanced efficiency of planar-heterojunction perovskite solar cells through a thermal gradient annealing process. <i>RSC Advances</i> , 2015, 5, 58041-58045.	3.6	11
123	Single-Junction Organic Solar Cells Based on a Novel Wide-Bandgap Polymer with Efficiency of 9.7%. <i>Advanced Materials</i> , 2015, 27, 2938-2944.	21.0	487
124	High Performance Organic Solar Cells Based on a Twisted Bay-Substituted Tetraphenyl Functionalized Perylene diimide Electron Acceptor. <i>Advanced Energy Materials</i> , 2015, 5, 1500032.	19.5	93
125	Non-Fullerene-Acceptor-Based Bulk-Heterojunction Organic Solar Cells with Efficiency over 7%. <i>Journal of the American Chemical Society</i> , 2015, 137, 11156-11162.	13.7	490
126	High mobility emissive organic semiconductor. <i>Nature Communications</i> , 2015, 6, 10032.	12.8	420

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127	High-Performance Solution-Processed Small-Molecule Solar Cells Based on a Dithienogermole-Containing Molecular Donor. <i>Advanced Energy Materials</i> , 2015, 5, 1400987.	19.5	45
128	Solution-processed small-molecule solar cells with 6.7% efficiency. <i>Nature Materials</i> , 2012, 11, 44-48.	27.5	1,437
129	Improved High-Efficiency Organic Solar Cells via Incorporation of a Conjugated Polyelectrolyte Interlayer. <i>Journal of the American Chemical Society</i> , 2011, 133, 8416-8419.	13.7	540
130	Inverted Polymer Solar Cells Integrated with a Low-Temperature-Annealed Sol-Gel-Derived ZnO Film as an Electron Transport Layer. <i>Advanced Materials</i> , 2011, 23, 1679-1683.	21.0	1,445
131	Efficient, Air-Stable Bulk Heterojunction Polymer Solar Cells Using MoO _x as the Anode Interfacial Layer. <i>Advanced Materials</i> , 2011, 23, 2226-2230.	21.0	587