

# Zhi-guo Zhang

## List of PR Articles by Year in descending order

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226

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citing authors

#	ARTICLE	IF	PR CITATIONS
1	Dimeric Small Molecule Acceptors via Terminal End Connections: Effect of Flexible Linker Length on Photovoltaic Performance. <i>Macromolecular Rapid Communications</i> , 2025, 46, .	4.1	5
2	Tethered Small Molecule Acceptor Refines Hierarchical Morphology in Ternary Polymer Solar Cells: Enhanced Stability and 19% Efficiency. <i>Advanced Materials</i> , 2024, 36, .	24.5	48
3	Effect of Number and Position of Chlorine Atoms on the Photovoltaic Performance of Asymmetric Nonfullerene Acceptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2024, 16, 3755-3763.	8.0	3
4	Tethered Trimeric Small Molecule Acceptors through Aromatic Core Engineering for Highly Efficient and Thermally Stable Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	35
5	Tethered Trimeric Small Molecule Acceptors through Aromatic Core Engineering for Highly Efficient and Thermally Stable Polymer Solar Cells. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	2
6	Dimeric Giant Molecule Acceptors Featuring N-type Linker: Enhancing Intramolecular Coupling for High-Performance Polymer Solar Cells. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	0
7	Dimeric Giant Molecule Acceptors Featuring N-type Linker: Enhancing Intramolecular Coupling for High-Performance Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	29
8	Charge Generation Dynamics in Organic Photovoltaic Blends under One-Sun-Equivalent Illumination Detected by Highly Sensitive Terahertz Spectroscopy. <i>Journal of the American Chemical Society</i> , 2024, 146, 20312-20322.	15.0	17
9	Aromatic side chain manipulation in A <sup>2</sup> DA type acceptors for organic photovoltaics. <i>Materials Chemistry Frontiers</i> , 2024, 8, 3587-3595.	6.1	7
10	The GaCl <sub>3</sub> -Catalyzed Knoevenagel Condensation To Achieve Acceptor Donor Acceptor Small-Molecule Acceptors: A DFT Mechanistic Study. <i>Journal of Organic Chemistry</i> , 2024, 89, 14408-14417.	3.5	2
11	Giant dimeric donors for all-giant-oligomer organic solar cells with efficiency over 16% and superior photostability. <i>Nature Communications</i> , 2024, 15, .	13.9	23
12	Tethered Small Molecule Acceptors Simultaneously Enhance the Efficiency and Stability of Polymer Solar Cells. <i>Advanced Materials</i> , 2023, 35, .	24.5	116
13	Asymmetric nonfullerene acceptors with isomeric trifluorobenzene-substitution for high-performance organic solar cells. <i>Journal of Materials Chemistry A</i> , 2023, 11, 4539-4546.	9.3	17
14	Diffusion-Limited Acceptor Alloy Enables Highly Efficient and Stable Organic Solar Cells. <i>Advanced Functional Materials</i> , 2023, 33, .	17.0	56
15	Heteroatom conjugated-shoulder side-chains-based non-fullerene acceptors for organic solar cells. <i>Cell Reports Physical Science</i> , 2023, 4, 101303.	4.9	12
16	Modular Approach Synthesis of Giant Molecule Acceptors via Lewis Acid-Catalyzed Knoevenagel Condensation for Stable Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	67
17	Modular Approach Synthesis of Giant Molecule Acceptors via Lewis Acid-Catalyzed Knoevenagel Condensation for Stable Polymer Solar Cells. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	0
18	Geometry design of tethered small-molecule acceptor enables highly stable and efficient polymer solar cells. <i>Nature Communications</i> , 2023, 14, .	13.9	133

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19	Long-Range Charge Separation Enabled by Intramoiety Delocalized Excitations in Copolymer Donors in Organic Photovoltaic Blends. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 7498-7506.	4.2	14
20	Impact of side-chain deuteration on the molecular stacking and photovoltaic performance of non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2023, 11, 24184-24191.	9.3	4
21	Three-Arm Star-Shaped Acceptor Enables Organic Solar Cell over 18% Efficiency. <i>Macromolecules</i> , 2023, 56, 8623-8631.	5.0	37
22	Recent progress in small-molecule donors for non-fullerene all-small-molecule organic solar cells. <i>Nano Select</i> , 2022, 3, 233-247.	3.5	26
23	Influence of altering chlorine substitution positions on the photovoltaic properties of small molecule donors in all-small-molecule organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2017-2025.	5.1	13
24	16.52% Efficiency All-Polymer Solar Cells with High Tolerance of the Photoactive Layer Thickness. <i>Advanced Materials</i> , 2022, 34, .	24.5	101
25	Perylene-diimide-based cathode interlayer materials for high performance organic solar cells. <i>SusMat</i> , 2022, 2, 243-263.	19.6	85
26	Controllable Disulfide Exchange Polymerization of Polyguanidine for Effective Biomedical Applications by Thiol-Mediated Uptake. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.4	49
27	Controllable Disulfide Exchange Polymerization of Polyguanidine for Effective Biomedical Applications by Thiol-Mediated Uptake. <i>Angewandte Chemie</i> , 2022, 134, .	1.4	5
28	Recent progress in organic solar cells (Part II device engineering). <i>Science China Chemistry</i> , 2022, 65, 1457-1497.	8.3	300
29	Fluorinated Perylene-diimides: Cathode Interlayers Facilitating Carrier Collection for High-Performance Organic Solar Cells. <i>Advanced Materials</i> , 2022, 34, .	24.5	152
30	Low-cost synthesis of small molecule acceptors makes polymer solar cells commercially viable. <i>Nature Communications</i> , 2022, 13, .	13.9	94
31	Intersystem Crossing in Acceptor-Donor-Acceptor Type Organic Photovoltaic Molecules Promoted by Symmetry Breaking in Polar Environments. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 10305-10311.	4.2	3
32	Polymerized Small-Molecule Acceptors for High-Performance All-Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4422-4433.	14.4	444
33	Polymerized Small-Molecule Acceptors for High-Performance All-Polymer Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 4470-4481.	1.4	26
34	All annealing-free solution-processed highly flexible organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5425-5433.	9.3	39
35	Solution-Processed Transparent Conducting Electrodes for Flexible Organic Solar Cells with 16.61% Efficiency. <i>Nano-Micro Letters</i> , 2021, 13, .	30.2	125
36	Nonradiative Triplet Loss Suppressed in Organic Photovoltaic Blends with Fluoridated Nonfullerene Acceptors. <i>Journal of the American Chemical Society</i> , 2021, 143, 4359-4366.	15.0	104

#	ARTICLE	IF	PR CITATIONS
37	90% yield production of polymer nano-memristor for in-memory computing. <i>Nature Communications</i> , 2021, 12, .	13.9	183
38	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19053-19057.	14.4	73
39	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 19201-19205.	1.4	3
40	Effects of the Center Units of Small-Molecule Donors on the Morphology, Photovoltaic Performance, and Device Stability of All-Small-Molecule Organic Solar Cells. <i>Solar Rrl</i> , 2021, 5, .	4.6	13
41	Research Advances on Benzotriazole-based Organic Photovoltaic Materials. <i>Acta Chimica Sinica</i> , 2021, 79, 820.	1.3	15
42	Modulating Crystal Packing, Film Morphology, and Photovoltaic Performance of Selenophene-Containing Acceptors through a Combination of Skeleton Isomeric and Regioisomeric Strategies. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50163-50175.	8.0	17
43	Effects of Alkyl Side Chains of Small Molecule Donors on Morphology and the Photovoltaic Property of All-Small-Molecule Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54237-54245.	8.0	16
44	Ultrafast electron transfer in all-small-molecule photovoltaic blends promoted by intermolecular interactions in cyanided donors. <i>Chinese Journal of Chemical Physics</i> , 2021, 34, 751-760.	1.1	6
45	Perylene-diimide derived organic photovoltaic materials. <i>Science China Chemistry</i> , 2021, 65, 462-485.	8.3	86
46	Recent progress in organic solar cells (Part I material science). <i>Science China Chemistry</i> , 2021, 65, 224-268.	8.3	577
47	Metal oxide-free flexible organic solar cells with 0.1 M perchloric acid sprayed polymeric anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21007-21015.	9.3	49
48	Silicon and oxygen synergistic effects for the discovery of new high-performance nonfullerene acceptors. <i>Nature Communications</i> , 2020, 11, .	13.9	45
49	Cathode engineering with perylene-diimide interlayer enabling over 17% efficiency single-junction organic solar cells. <i>Nature Communications</i> , 2020, 11, .	13.9	733
50	Optimizing the Phase-Separated Domain Size of the Active Layer via Sequential Crystallization in All-Polymer Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2314-2321.	4.2	24
51	Charge Separation from an Intra-Moiety Intermediate State in the High-Performance PM6:Y6 Organic Photovoltaic Blend. <i>Journal of the American Chemical Society</i> , 2020, 142, 12751-12759.	15.0	402
52	Understanding the Morphology of High-Performance Solar Cells Based on a Low-Cost Polymer Donor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9537-9544.	8.0	19
53	Highly Efficient All-Small-Molecule Organic Solar Cells with Appropriate Active Layer Morphology by Side Chain Engineering of Donor Molecules and Thermal Annealing. <i>Advanced Materials</i> , 2020, 32, .	24.5	223
54	Multi-length scale morphology of nonfullerene all-small molecule blends and its relation to device function in organic solar cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 137-144.	6.1	13

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55	A decacyclic indacenodithiophene-based non-fullerene electron acceptor with meta-alkyl-phenyl substitutions for polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4063-4071.	9.3	18
56	Simplified synthetic routes for low cost and high photovoltaic performance n-type organic semiconductor acceptors. <i>Nature Communications</i> , 2019, 10, .	13.9	290
57	Ultrafast hole transfer mediated by polaron pairs in all-polymer photovoltaic blends. <i>Nature Communications</i> , 2019, 10, .	13.9	70
58	Ring-perfluorinated non-volatile additives with a high dielectric constant lead to highly efficient and stable organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4716-4724.	5.1	35
59	11.2% Efficiency all-polymer solar cells with high open-circuit voltage. <i>Science China Chemistry</i> , 2019, 62, 845-850.	8.3	147
60	A Simple Approach to Prepare Chlorinated Polymer Donors with Low-Lying HOMO Level for High Performance Polymer Solar Cells. <i>Chemistry of Materials</i> , 2019, 31, 6558-6567.	6.7	54
61	A low cost and high performance polymer donor material for polymer solar cells. <i>Nature Communications</i> , 2018, 9, .	13.9	762
62	Dye-Incorporated Polynaphthalenediimide Acceptor for Additive-Free High-Performance All-Polymer Solar Cells. <i>Angewandte Chemie</i> , 2018, 130, 4670-4674.	1.4	10
63	Dye-Incorporated Polynaphthalenediimide Acceptor for Additive-Free High-Performance All-Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4580-4584.	14.4	120
64	STFTYT: A simple and broadly absorbing small molecule for efficient organic solar cells with a very low energy loss. <i>Organic Electronics</i> , 2018, 57, 45-52.	2.6	7
65	High-efficiency organic solar cells based on a small-molecule donor and a low-bandgap polymer acceptor with strong absorption. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9613-9622.	9.3	28
66	A solution-processed pillar[5]arene-based small molecule cathode buffer layer for efficient planar perovskite solar cells. <i>Nanoscale</i> , 2018, 10, 8088-8098.	5.0	21
67	High performance as-cast semitransparent polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4670-4677.	9.3	49
68	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, .	24.5	266
69	Optimizing the conjugated side chains of quinoxaline based polymers for nonfullerene solar cells with 10.5% efficiency. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3074-3083.	9.3	66
70	A universal nonfullerene electron acceptor matching with different band-gap polymer donors for high-performance polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6874-6881.	9.3	39
71	Synthesis and photovoltaic properties of 2D-conjugated polymers with alkylsilyl-substituted thieno[3,2-b]thiophene conjugated side chains. <i>Organic Electronics</i> , 2018, 57, 255-262.	2.6	15
72	Cyclometalated Pt complex based random terpolymers as electron acceptors for all polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2018, 56, 105-115.	2.3	15

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73	Polymer Doping for High-Efficiency Perovskite Solar Cells with Improved Moisture Stability. <i>Advanced Energy Materials</i> , 2018, 8, .	22.6	358
74	Effect of Alkylsilyl Side-Chain Structure on Photovoltaic Properties of Conjugated Polymer Donors. <i>Advanced Energy Materials</i> , 2018, 8, .	22.6	119
75	Simultaneously Achieved High Open-Circuit Voltage and Efficient Charge Generation by Fine-Tuning Charge-Transfer Driving Force in Nonfullerene Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, .	17.0	194
76	Feasible D1-A-D2-A Random Copolymers for Simultaneous High-Performance Fullerene and Nonfullerene Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, .	22.6	67
77	Achieving efficient thick active layer and large area ternary polymer solar cells by incorporating a new fused heptacyclic non-fullerene acceptor. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20313-20326.	9.3	36
78	Nonhalogenated Solvent-Processed All-Polymer Solar Cells over 7.4% Efficiency from Quinoxaline-Based Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41318-41325.	8.0	33
79	Effects of Alkoxy and Fluorine Atom Substitution of Donor Molecules on the Morphology and Photovoltaic Performance of All Small Molecule Organic Solar Cells. <i>Frontiers in Chemistry</i> , 2018, 6, .	3.6	24
80	High-Efficiency All-Small-Molecule Organic Solar Cells Based on an Organic Molecule Donor with Alkylsilyl-Thienyl Conjugated Side Chains. <i>Advanced Materials</i> , 2018, 30, .	24.5	170
81	High-Efficiency All Polymer Solar Cell with a Low Voltage Loss of 0.56 V. <i>ACS Applied Energy Materials</i> , 2018, 1, 2350-2357.	5.4	10
82	Short-axis substitution approach on ladder-type benzodithiophene-based electron acceptor toward highly efficient organic solar cells. <i>Science China Chemistry</i> , 2018, 61, 1405-1412.	8.3	19
83	Ultrafast Channel II process induced by a 3-D texture with enhanced acceptor order ranges for high-performance non-fullerene polymer solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 2569-2580.	30.9	82
84	Effect of Side-Chain Engineering of Bithienylbenzodithiophene- <i>alt</i> -fluorobenzotriazole-Based Copolymers on the Thermal Stability and Photovoltaic Performance of Polymer Solar Cells. <i>Macromolecules</i> , 2018, 51, 6028-6036.	5.0	54
85	<i>De novo</i> design of small molecule acceptors <i>via</i> fullerene/non-fullerene hybrids for polymer solar cells. <i>Chemical Communications</i> , 2018, 54, 9801-9804.	3.4	14
86	Effects of fused-ring regiochemistry on the properties and photovoltaic performance of n-type organic semiconductor acceptors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15933-15941.	9.3	25
87	All-small molecule solar cells based on donor molecule optimization with highly enhanced efficiency and stability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15675-15683.	9.3	58
88	Ternary polymer solar cells based-on two polymer donors with similar HOMO levels and an organic acceptor with absorption extending to 850-nm. <i>Organic Electronics</i> , 2018, 62, 89-94.	2.6	12
89	Asymmetric thieno[2,3-b]thiophene-based electron acceptor featuring a seven fused-ring electron donor unit as core for nonfullerene organic photovoltaics. <i>Organic Electronics</i> , 2018, 62, 82-88.	2.6	23
90	Highly Flexible and Efficient All-Polymer Solar Cells with High-Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. <i>Angewandte Chemie</i> , 2018, 130, 13461-13466.	1.4	140

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91	Highly Flexible and Efficient All-Polymer Solar Cells with High-Viscosity Processing Polymer Additive toward Potential of Stretchable Devices. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13277-13282.	14.4	196
92	Improvement of Photovoltaic Performance of Polymer Solar Cells by Rational Molecular Optimization of Organic Molecule Acceptors. <i>Advanced Energy Materials</i> , 2018, 8, .	22.6	36
93	Side-Chain Impact on Molecular Orientation of Organic Semiconductor Acceptors: High Performance Nonfullerene Polymer Solar Cells with Thick Active Layer over 400 nm. <i>Advanced Energy Materials</i> , 2018, 8, .	22.6	130
94	Two new medium bandgap asymmetric copolymers based on thieno[2,3-f]benzofuran for efficient organic solar cells. <i>Dyes and Pigments</i> , 2017, 140, 337-345.	4.0	14
95	Development of Spiro[cyclopenta[1,2- <i>b</i> :5,4- <i>b'</i> : $\hat{a}$ ] <sup>2</sup> dithiophene-4,9- <i>di</i> -fluorene]-Based A-D-A Small Molecules with Different Acceptor Units for Efficient Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4614-4625.	8.0	56
96	Design of a thiophene-fused benzotriazole unit as an electron acceptor to build D-A copolymers for polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2951-2957.	5.1	25
97	High Efficiency Ternary Nonfullerene Polymer Solar Cells with Two Polymer Donors and an Organic Semiconductor Acceptor. <i>Advanced Energy Materials</i> , 2017, 7, .	22.6	96
98	Synthesis and characterization of arylenevinylenearylene-naphthalene diimide copolymers as acceptor in all-polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1757-1764.	2.3	20
99	Effect of furan $\hat{c}$ -bridge on the photovoltaic performance of D-A copolymers based on bi(alkylthio-thienyl)benzodithiophene and fluorobenzotriazole. <i>Science China Chemistry</i> , 2017, 60, 537-544.	8.3	30
100	Asymmetric medium bandgap copolymers and narrow bandgap small-molecule acceptor with over 7% efficiency. <i>Organic Electronics</i> , 2017, 45, 42-48.	2.6	13
101	An asymmetrical thieno[2,3-f]benzofuran (TBF)-based conjugated polymer for organic solar cells with high fill factor. <i>Polymer</i> , 2017, 114, 348-354.	4.2	15
102	Naphthodifuran-based zigzag-type polycyclic arene with conjugated side chains for efficient photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14289-14295.	2.7	7
103	Achieving over 10% efficiency in a new acceptor ITTC and its blends with hexafluoroquinoxaline based polymers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11286-11293.	9.3	105
104	Incorporation of High-Mobility and Room-Temperature-Deposited Cu <sub>x</sub> S as a Hole Transport Layer for Efficient and Stable Organo-Lead Halide Perovskite Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700038.	4.6	64
105	Exploring High-Performance n-Type Thermoelectric Composites Using Amino-Substituted Rylene Dimides and Carbon Nanotubes. <i>ACS Nano</i> , 2017, 11, 5746-5752.	15.3	154
106	Hexafluoroquinoxaline Based Polymer for Nonfullerene Solar Cells Reaching 9.4% Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18816-18825.	8.0	52
107	A near-infrared non-fullerene electron acceptor for high performance polymer solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 1610-1620.	30.9	283
108	Effects of alkoxy substitution on molecular structure, physicochemical and photovoltaic properties of 2D-conjugated polymers based on benzo[1,2- <i>b</i> :4,5- <i>b':<math>\hat{a}</math>]<sup>2</sup>dithiophene and fluorinated benzothiadiazole. <i>Chemical Physics Letters</i>, 2017, 672, 63-69.</i>	2.8	8

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109	A new fluoropyrido[3,4-b]pyrazine based polymer for efficient photovoltaics. <i>Polymer Chemistry</i> , 2017, 8, 2227-2234.	3.9	4
110	9.73% Efficiency Nonfullerene All Organic Small Molecule Solar Cells with Absorption-Complementary Donor and Acceptor. <i>Journal of the American Chemical Society</i> , 2017, 139, 5085-5094.	15.0	322
111	A simple and dopant-free hole-transporting material based on (2-ethylhexyl)-9 <i>H</i> -carbazole for efficient planar perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12752-12757.	5.1	41
112	Insertion of double bond $\pi$ -bridges of "D" acceptors for high performance near-infrared polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22588-22597.	9.3	70
113	Thieno[3,2- <i>b</i> ]pyrrolo-Fused Pentacyclic Benzotriazole-Based Acceptor for Efficient Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31985-31992.	8.0	200
114	Cellular Architecture-Based All-Polymer Flexible Thin-Film Photodetectors with High Performance and Stability in Harsh Environment. <i>Advanced Materials Technologies</i> , 2017, 2, .	5.9	7
115	Constructing a Strongly Absorbing Low-Bandgap Polymer Acceptor for High-Performance All-Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13503-13507.	14.4	572
116	Side Chain Engineering on Medium Bandgap Copolymers to Suppress Triplet Formation for High-Efficiency Polymer Solar Cells. <i>Advanced Materials</i> , 2017, 29, .	24.5	226
117	Constructing a Strongly Absorbing Low-Bandgap Polymer Acceptor for High-Performance All-Polymer Solar Cells. <i>Angewandte Chemie</i> , 2017, 129, 13688-13692.	1.4	67
118	Isomeric Effects of Solution Processed Ladder-Type Non-Fullerene Electron Acceptors. <i>Solar Rrl</i> , 2017, 1, .	4.6	45
119	Side-Chain Effects on Energy-Level Modulation and Device Performance of Organic Semiconductor Acceptors in Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34146-34152.	8.0	44
120	Crystalline Medium-Bandgap Light-Harvesting Donor Material Based on $\beta$ -Naphthalene Asymmetric-Modified Benzodithiophene Moiety toward Efficient Polymer Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 8249-8257.	6.7	37
121	Modulating the Molecular Packing and Nanophase Blending via a Random Terpolymerization Strategy toward 11% Efficiency Nonfullerene Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, .	22.6	105
122	Medium Bandgap Polymer Donor Based on Bi(trialkylsilyl)thienylbenzo[1,2- <i>b</i> :4,5- <i>b'</i> ]difuran) for High Performance Nonfullerene Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, .	22.6	78
123	A New Electron Acceptor with <i>meta</i> -Alkoxyphenyl Side Chain for Fullerene-Free Polymer Solar Cells with 9.3% Efficiency. <i>Advanced Science</i> , 2017, 4, .	12.7	41
124	All-Small-Molecule Nonfullerene Organic Solar Cells with High Fill Factor and High Efficiency over 10%. <i>Chemistry of Materials</i> , 2017, 29, 7543-7553.	6.7	189
125	Synthesis and Photovoltaic Properties of a Series of Narrow Bandgap Organic Semiconductor Acceptors with Their Absorption Edge Reaching 900 nm. <i>Chemistry of Materials</i> , 2017, 29, 10130-10138.	6.7	108
126	Cyclometalated Pt complex-based random terpolymers for efficient polymer solar cells. <i>Polymer Chemistry</i> , 2017, 8, 4729-4737.	3.9	23

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127	3D Structural Model of High-Performance Non-Fullerene Polymer Solar Cells as Revealed by High-Resolution AFM. ACS Applied Materials & Interfaces, 2017, 9, 24451-24455.	8.0	3
128	New m-alkoxy-p-fluorophenyl difluoroquinoxaline based polymers in efficient fullerene solar cells with high fill factor. Organic Electronics, 2017, 50, 7-15.	2.6	18
129	Mapping Polymer Donors toward High-Efficiency Fullerene Free Organic Solar Cells. Advanced Materials, 2017, 29, .	24.5	374
130	A Synergetic Effect of Molecular Weight and Fluorine in All-Polymer Solar Cells with Enhanced Performance. Advanced Functional Materials, 2017, 27, .	17.0	98
131	Efficient Inverted Organic Solar Cells Based on a Fullerene Derivative-Modified Transparent Cathode. Materials, 2017, 10, 1064.	2.9	13
132	Side-chain fluorination on the pyrido[3,4-b]pyrazine unit towards efficient photovoltaic polymers. Science China Chemistry, 2017, 61, 206-214.	8.3	13
133	Overcoming the Interface Losses in Planar Heterojunction Perovskite-Based Solar Cells. Advanced Materials, 2016, 28, 5112-5120.	24.5	202
134	Naphthalenediimide-Fused Thiophene D-A Copolymers for the Application as Acceptor in All-Polymer Solar Cells. Chemistry - an Asian Journal, 2016, 11, 2785-2791.	3.0	21
135	Fully Solution-Processed Small Molecule Semitransparent Solar Cells: Optimization of Transparent Cathode Architecture and Four Absorbing Layers. Advanced Functional Materials, 2016, 26, 4543-4550.	17.0	83
136	11.4% Efficiency non-fullerene polymer solar cells with trialkylsilyl substituted 2D-conjugated polymer as donor. Nature Communications, 2016, 7, .	13.9	965
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