

Youdi Zhang

List of Publications by Year in descending order

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121
papers

7,788
citations

41344

49
h-index

53230

85
g-index

123
all docs

123
docs citations

123
times ranked

4022
citing authors

#	ARTICLE	IF	CITATIONS
1	All-polymer solar cells with over 16% efficiency and enhanced stability enabled by compatible solvent and polymer additives. <i>Aggregate</i> , 2022, 3, e58.	9.9	85
2	Air-Processed Efficient Organic Solar Cells from Aromatic Hydrocarbon Solvent without Solvent Additive or Post-treatment: Insights into Solvent Effect on Morphology. <i>Energy and Environmental Materials</i> , 2022, 5, 977-985.	12.8	59
3	Solution-processable silicon naphthalocyanine tetraimides as near infrared electron acceptors in organic solar cells. <i>Dyes and Pigments</i> , 2022, 197, 109846.	3.7	3
4	Heteroheptacene-based acceptors with thieno[3,2-b]pyrrole yield high-performance polymer solar cells. <i>National Science Review</i> , 2022, 9, .	9.5	67
5	Nonfullerene acceptors based on perylene monoimides. <i>Journal of Semiconductors</i> , 2022, 43, 050203.	3.7	4
6	High-Efficiency Ternary Organic Solar Cells with a Good Figure-of-Merit Enabled by Two Low-Cost Donor Polymers. <i>ACS Energy Letters</i> , 2022, 7, 2547-2556.	17.4	109
7	Recent Progress of Y6-Derived Asymmetric Fused Ring Electron Acceptors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	114
8	High molecular weight polymeric acceptors based on semi-perfluoroalkylated perylene diimides for pseudo-planar heterojunction all-polymer organic solar cells. <i>Polymer</i> , 2022, 255, 125114.	3.8	5
9	A Pyrrole-Fused Asymmetrical Electron Acceptor for Polymer Solar Cells with Approaching 16% Efficiency. <i>Small Structures</i> , 2021, 2, 2000052.	12.0	14
10	Fluorinated End Group Enables High-Performance All-Polymer Solar Cells with Near-Infrared Absorption and Enhanced Device Efficiency over 14%. <i>Advanced Energy Materials</i> , 2021, 11, 2003171.	19.5	89
11	1,2,4-Triazoline-3,5-dione substituted perylene diimides as near infrared acceptors for bulk heterojunction organic solar cells. <i>Dyes and Pigments</i> , 2021, 187, 109108.	3.7	8
12	Fine-tuning of side-chain orientations on nonfullerene acceptors enables organic solar cells with 17.7% efficiency. <i>Energy and Environmental Science</i> , 2021, 14, 3469-3479.	30.8	158
13	Achieving 16.68% efficiency ternary as-cast organic solar cells. <i>Science China Chemistry</i> , 2021, 64, 581-589.	8.2	99
14	Photooxidation Analysis of Two Isomeric Nonfullerene Acceptors: A Systematic Study of Conformational, Morphological, and Environmental Factors. <i>Solar Rrl</i> , 2021, 5, 2000704.	5.8	6
15	Regular Polymer Acceptors Enabled by Determined Fluorination on End Groups for All-Polymer Solar Cells with 15.2% Efficiency. <i>Angewandte Chemie</i> , 2021, 133, 10225-10234.	2.0	13
16	16% efficiency all-polymer organic solar cells enabled by a finely tuned morphology via the design of ternary blend. <i>Joule</i> , 2021, 5, 914-930.	24.0	228
17	Rational Anode Engineering Enables Progresses for Different Types of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2100492.	19.5	108
18	High-performance all-polymer solar cells enabled by a novel low bandgap non-fully conjugated polymer acceptor. <i>Science China Chemistry</i> , 2021, 64, 1380-1388.	8.2	51

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19	High Efficiency (16.93%) Pseudo-Planar Heterojunction Organic Solar Cells Enabled by Binary Additives Strategy. <i>Advanced Functional Materials</i> , 2021, 31, 2102291.	14.9	68
20	Layer-by-Layer Solution-Processed Organic Solar Cells with Perylene Diimides as Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29876-29884.	8.0	14
21	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19053-19057.	13.8	43
22	Boosting Highly Efficient Hydrocarbon Solvent-Processed All-Polymer-Based Organic Solar Cells by Modulating Thin-Film Morphology. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34301-34307.	8.0	20
23	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. <i>Angewandte Chemie</i> , 2021, 133, 19201-19205.	2.0	2
24	Highly crystalline acceptor materials based on benzodithiophene with different amount of fluorine substitution on alkoxyphenyl conjugated side chains for organic photovoltaics. <i>Materials Reports Energy</i> , 2021, 1, 100059.	3.2	2
25	Boosting the Efficiency of Non-fullerene Organic Solar Cells via a Simple Cathode Modification Method. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51078-51085.	8.0	19
26	Subnaphthalocyanine triimides: potential three-dimensional solution processable acceptors for organic solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2186-2195.	5.5	12
27	A Layer-by-Layer Architecture for Printable Organic Solar Cells Overcoming the Scaling Lag of Module Efficiency. <i>Joule</i> , 2020, 4, 407-419.	24.0	272
28	Improving the performance of near infrared binary polymer solar cells by adding a second non-fullerene intermediate band-gap acceptor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 909-915.	5.5	47
29	Chalcogen-Fused Perylene Diimides-Based Nonfullerene Acceptors for High-Performance Organic Solar Cells: Insight into the Effect of O, S, and Se. <i>Solar Rrl</i> , 2020, 4, 1900453.	5.8	21
30	Altering the Positions of Chlorine and Bromine Substitution on the End Group Enables High-Performance Acceptor and Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2002649.	19.5	103
31	An investigation of annealing methods for benzodithiophene terthiophene rhodanine based all small molecule organic solar cells. <i>Organic Electronics</i> , 2020, 87, 105904.	2.6	11
32	A Non-Conjugated Polymer Acceptor for Efficient and Thermally Stable All-Polymer Solar Cells. <i>Angewandte Chemie</i> , 2020, 132, 20007-20012.	2.0	16
33	A Non-Conjugated Polymer Acceptor for Efficient and Thermally Stable All-Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19835-19840.	13.8	105
34	Adding a Third Component with Reduced Miscibility and Higher LUMO Level Enables Efficient Ternary Organic Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 2711-2720.	17.4	188
35	A compatible polymer acceptor enables efficient and stable organic solar cells as a solid additive. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17706-17712.	10.3	51
36	Efficient Organic Ternary Solar Cells Employing Narrow Band Gap Diketopyrrolopyrrole Polymers and Nonfullerene Acceptors. <i>Chemistry of Materials</i> , 2020, 32, 7309-7317.	6.7	22

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37	Precisely Controlling the Position of Bromine on the End Group Enables Well-Ordered Regular Polymer Acceptors for All-Polymer Solar Cells with Efficiencies over 15%. <i>Advanced Materials</i> , 2020, 32, e2005942.	21.0	282
38	Isomerization Strategy of Nonfullerene Small-Molecule Acceptors for Organic Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2004477.	14.9	58
39	Reducing V_{OC} loss via structure compatible and high V_{OC} nonfullerene acceptors for over 17% efficiency ternary organic photovoltaics. <i>EcoMat</i> , 2020, 2, e12061.	11.9	23
40	Concurrent improvement in V_{OC} and V_{SC} in high-efficiency ternary organic solar cells enabled by a red-absorbing small-molecule acceptor with a high LUMO level. <i>Energy and Environmental Science</i> , 2020, 13, 2115-2123.	30.8	164
41	Wide Band-gap Two-dimension Conjugated Polymer Donors with Different Amounts of Chlorine Substitution on Alkoxyphenyl Conjugated Side Chains for Non-fullerene Polymer Solar Cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 797-805.	3.8	15
42	Volatilizable and cost-effective quinone-based solid additives for improving photovoltaic performance and morphological stability in non-fullerene polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13049-13058.	10.3	41
43	Reducing Energy Loss and Morphology Optimization Manipulated by Molecular Geometry Engineering for Heterojunction Organic Solar Cells. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1553-1559.	4.9	19
44	Understanding the Effect of End Group Halogenation in Tuning Miscibility and Morphology of High-Performance Small Molecular Acceptors. <i>Solar Rrl</i> , 2020, 4, 2000250.	5.8	63
45	Improved organic solar cell efficiency based on the regulation of an alkyl chain on chlorinated non-fullerene acceptors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2428-2434.	5.9	27
46	Two-Dimension Conjugated Acceptors Based on Benzodi(cyclopentadithiophene) Core with Thiophene-Fused Ending Group for Efficient Polymer Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000071.	5.8	12
47	Fluorinated pyrazine-based π -A conjugated polymers for efficient non-fullerene polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7083-7089.	10.3	17
48	Over 15% Efficiency Polymer Solar Cells Enabled by Conformation Tuning of Newly Designed Asymmetric Small-Molecule Acceptors. <i>Advanced Functional Materials</i> , 2020, 30, 2000383.	14.9	55
49	Simultaneous enhanced efficiency and thermal stability in organic solar cells from a polymer acceptor additive. <i>Nature Communications</i> , 2020, 11, 1218.	12.8	197
50	Efficient modulation of end groups for the asymmetric small molecule acceptors enabling organic solar cells with over 15% efficiency. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5927-5935.	10.3	39
51	Conformation-Tuning Effect of Asymmetric Small Molecule Acceptors on Molecular Packing, Interaction, and Photovoltaic Performance. <i>Small</i> , 2020, 16, e2001942.	10.0	49
52	Novel Nitrogen-Containing Heterocyclic Non-Fullerene Acceptors for Organic Photovoltaic Cells: Different End-Capping Groups Leading to a Big Difference of Power Conversion Efficiencies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13068-13076.	8.0	21
53	Improving open-circuit voltage by a chlorinated polymer donor endows binary organic solar cells efficiencies over 17%. <i>Science China Chemistry</i> , 2020, 63, 325-330.	8.2	292
54	Altering alkyl-chains branching positions for boosting the performance of small-molecule acceptors for highly efficient nonfullerene organic solar cells. <i>Science China Chemistry</i> , 2020, 63, 361-369.	8.2	128

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55	Asymmetric Acceptors with Fluorine and Chlorine Substitution for Organic Solar Cells toward 16.83% Efficiency. <i>Advanced Functional Materials</i> , 2020, 30, 2000456.	14.9	164
56	Organic-inorganic hybrid heterostructures towards long-wavelength photodetectors based on InGaZnO-Polymer. <i>Organic Electronics</i> , 2020, 83, 105778.	2.6	16
57	Achieving Eco-compatible Organic Solar Cells with Efficiency >16.5% Based on an Iridium Complex-incorporated Polymer Donor. <i>Solar Rrl</i> , 2020, 4, 2000156.	5.8	43
58	10.13% Efficiency All-polymer Solar Cells Enabled by Improving the Optical Absorption of Polymer Acceptors. <i>Solar Rrl</i> , 2020, 4, 2000142.	5.8	45
59	Double-Acceptor-Type Random Conjugated Terpolymer Donors for Additive-Free Non-Fullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20741-20749.	8.0	15
60	High-efficiency all-small-molecule organic solar cells based on an organic molecule donor with an asymmetric thieno[2,3-f] benzofuran unit. <i>Science China Chemistry</i> , 2020, 63, 1246-1255.	8.2	55
61	Guest-oriented non-fullerene acceptors for ternary organic solar cells with over 16.0% and 22.7% efficiencies under one-sun and indoor light. <i>Nano Energy</i> , 2020, 75, 104896.	16.0	72
62	Thioether Bond Modification Enables Boosted Photovoltaic Performance of Nonfullerene Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32218-32224.	8.0	16
63	Sulfur-annulated perylenediimide as an interfacial material enabling inverted perovskite solar cells with over 20% efficiency and high fill factors exceeding 83%. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21176-21181.	10.3	15
64	Significantly improving the performance of polymer solar cells by the isomeric ending-group based small molecular acceptors: Insight into the isomerization. <i>Nano Energy</i> , 2019, 66, 104146.	16.0	47
65	Seleno twisted benzodiperylenediimides: facile synthesis and excellent electron acceptors for additive-free organic solar cells. <i>Chemical Communications</i> , 2019, 55, 703-706.	4.1	12
66	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
67	Morphological optimization by rational matching of the donor and acceptor boosts the efficiency of alkylsilyl fused ring-based polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4847-4854.	10.3	10
68	Achieving Balanced Charge Transport and Favorable Blend Morphology in Non-Fullerene Solar Cells via Acceptor End Group Modification. <i>Chemistry of Materials</i> , 2019, 31, 1752-1760.	6.7	48
69	A universal layer-by-layer solution-processing approach for efficient non-fullerene organic solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 384-395.	30.8	193
70	Fused Ring Core Engineering for Small Molecule Acceptors Enable High-performance Nonfullerene Polymer Solar Cells. <i>Small Methods</i> , 2019, 3, 1900280.	8.6	17
71	A nonfullerene acceptor with a 1000 nm absorption edge enables ternary organic solar cells with improved optical and morphological properties and efficiencies over 15%. <i>Energy and Environmental Science</i> , 2019, 12, 2529-2536.	30.8	213
72	Designing a Perylene Diimide/Fullerene Hybrid as Effective Electron Transporting Material in Inverted Perovskite Solar Cells with Enhanced Efficiency and Stability. <i>Angewandte Chemie</i> , 2019, 131, 8608.	2.0	14

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73	Designing a Perylene Diimide/Fullerene Hybrid as Effective Electron Transporting Material in Inverted Perovskite Solar Cells with Enhanced Efficiency and Stability. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8520-8525.	13.8	73
74	Additive-free non-fullerene organic solar cells with random copolymers as donors over 9% power conversion efficiency. <i>Chinese Chemical Letters</i> , 2019, 30, 1161-1167.	9.0	19
75	Subphthalocyanine Triimides: Solution Processable Bowl-Shaped Acceptors for Bulk Heterojunction Solar Cells. <i>Organic Letters</i> , 2019, 21, 3382-3386.	4.6	38
76	Fluorene-fused ladder-type non-fullerene small molecule acceptors for high-performance polymer solar cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 709-715.	5.9	11
77	Reduced Energy Loss Enabled by a Chlorinated Thiophene-Fused Ending-Group Small Molecular Acceptor for Efficient Nonfullerene Organic Solar Cells with 13.6% Efficiency. <i>Advanced Energy Materials</i> , 2019, 9, 1900041.	19.5	144
78	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	50
79	Regulating exciton bonding energy and bulk heterojunction morphology in organic solar cells via methyl-functionalized non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6809-6817.	10.3	26
80	Introducing an identical benzodithiophene donor unit for polymer donors and small-molecule acceptors to unveil the relationship between the molecular structure and photovoltaic performance of non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26351-26357.	10.3	18
81	Non-halogenated-solvent-processed highly efficient organic solar cells with a record open circuit voltage enabled by noncovalently locked novel polymer donors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27394-27402.	10.3	20
82	Functionalizing tetraphenylpyrazine with perylene diimides (PDIs) as high-performance nonfullerene acceptors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14563-14570.	5.5	9
83	Suppressing photo-oxidation of non-fullerene acceptors and their blends in organic solar cells by exploring material design and employing friendly stabilizers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25088-25101.	10.3	107
84	Single-strand and ladder-type polymeric acceptors based on regioisomerically-pure perylene diimides towards all-polymer solar cells. <i>Polymer</i> , 2019, 162, 108-115.	3.8	13
85	Vertical Stratification Engineering for Organic Bulk-Heterojunction Devices. <i>ACS Nano</i> , 2018, 12, 4440-4452.	14.6	77
86	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.	10.3	25
87	9,9-Bifluorenylidene-Core Perylene Diimide Acceptors for Cast Non-Fullerene Organic Solar Cells: The Isomeric Effect on Optoelectronic Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 4149-4156.	3.3	31
88	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
89	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
90	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.	10.3	37

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91	Conjugated polymers based on 1,8-naphthalene monoimide with high electron mobility. <i>Journal of Polymer Science Part A</i> , 2018, 56, 276-281.	2.3	9
92	Semi-perfluoroalkylated perylene diimides for conjugated polymers with high molecular weight and high electron mobility. <i>Journal of Polymer Science Part A</i> , 2018, 56, 116-124.	2.3	12
93	Pyran-annulated perylene diimide derivatives as non-fullerene acceptors for high performance organic solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11111-11117.	5.5	16
94	Use of two structurally similar small molecular acceptors enabling ternary organic solar cells with high efficiencies and fill factors. <i>Energy and Environmental Science</i> , 2018, 11, 3275-3282.	30.8	261
95	Asymmetrical Ladder-Type Donor-Induced Polar Small Molecule Acceptor to Promote Fill Factors Approaching 77% for High-Performance Nonfullerene Polymer Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1800052.	21.0	252
96	<i>De novo</i> design of small molecule acceptors via fullerene/non-fullerene hybrids for polymer solar cells. <i>Chemical Communications</i> , 2018, 54, 9801-9804.	4.1	13
97	Designing an asymmetrical isomer to promote the LUMO energy level and molecular packing of a non-fullerene acceptor for polymer solar cells with 12.6% efficiency. <i>Chemical Science</i> , 2018, 9, 8142-8149.	7.4	67
98	Near-Infrared Small Molecule Acceptor Enabled High-Performance Nonfullerene Polymer Solar Cells with Over 13% Efficiency. <i>Advanced Functional Materials</i> , 2018, 28, 1803128.	14.9	78
99	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, 1800856.	19.5	118
100	Nonfullerene Polymer Solar Cells based on a Perylene Monoimide Acceptor with a High Open-Circuit Voltage of 1.3 V. <i>Advanced Functional Materials</i> , 2017, 27, 1603892.	14.9	67
101	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
102	Facile Approach to Perylenemonoimide with Short Side Chains for Nonfullerene Solar Cells. <i>Journal of Organic Chemistry</i> , 2017, 82, 5926-5931.	3.2	19
103	Effect of substituents of twisted benzodiperylenediimides on non-fullerene solar cells. <i>Organic Electronics</i> , 2017, 47, 72-78.	2.6	9
104	Perylene diimide-benzodithiophene D-A copolymers as acceptor in all-polymer solar cells. <i>Organic Electronics</i> , 2017, 41, 49-55.	2.6	25
105	Side-Chain Effects on Energy-Level Modulation and Device Performance of Organic Semiconductor Acceptors in Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34146-34152.	8.0	42
106	Side Group Engineering of Small Molecular Acceptors for High-Performance Fullerene-Free Polymer Solar Cells: Thiophene Being Superior to Selenophene. <i>Advanced Functional Materials</i> , 2017, 27, 1702194.	14.9	88
107	A facile <i>in situ</i> approach to ion gel based polymer electrolytes for flexible lithium batteries. <i>RSC Advances</i> , 2017, 7, 54391-54398.	3.6	23
108	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

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109	Boosting reverse intersystem crossing by increasing donors in triarylboron/phenoxazine hybrids: TADF emitters for high-performance solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4402-4407.	5.5	136
110	Efficient ternary blend all-polymer solar cells with a polythiophene derivative as a hole-cascade material. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14752-14760.	10.3	91
111	A New Polythiophene Derivative for High Efficiency Polymer Solar Cells with PCE over 9%. <i>Advanced Energy Materials</i> , 2016, 6, 1600430.	19.5	84
112	Synthesis and photovoltaic properties of an n-type two-dimension-conjugated polymer based on perylene diimide and benzodithiophene with thiophene conjugated side chains. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18442-18449.	10.3	73
113	Fluorene-centered perylene monoimides as potential non-fullerene acceptor in organic solar cells. <i>Organic Electronics</i> , 2015, 21, 184-191.	2.6	39
114	Star-shaped carbazole-based BODIPY derivatives with improved hole transportation and near-infrared absorption for small-molecule organic solar cells with high open-circuit voltages. <i>RSC Advances</i> , 2015, 5, 32283-32289.	3.6	30
115	A Soluble Ladder-Conjugated Star-Shaped Oligomer Composed of Four Perylene Diimide Branches and a Fluorene Core: Synthesis and Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 10170-10178.	3.3	30
116	Liquid Crystalline Perylene Diimide Outperforming Nonliquid Crystalline Counterpart: Higher Power Conversion Efficiencies (PCEs) in Bulk Heterojunction (BHJ) Cells and Higher Electron Mobility in Space Charge Limited Current (SCLC) Devices. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11093-11100.	8.0	26
117	Fusion of perylene bisimides and hexaazatriphenylene into a star-shaped ladder conjugated n-type semiconductor. <i>RSC Advances</i> , 2013, 3, 21373.	3.6	9
118	Regioselective Photocyclization To Prepare Multifunctional Blocks for Ladder-Conjugated Materials. <i>Journal of Organic Chemistry</i> , 2013, 78, 5544-5549.	3.2	16
119	N-type organic semiconductor bisazacoronene diimides efficiently synthesized by a new type of photocyclization involving a Schiff base. <i>RSC Advances</i> , 2012, 2, 12644.	3.6	23
120	Fusing three perylenebisimide branches and a truxene core into a star-shaped chromophore with strong two-photon excited fluorescence and high photostability. <i>Chemical Communications</i> , 2012, 48, 4338.	4.1	52
121	Fused perylenebisimide-carbazole: new ladder chromophores with enhanced third-order nonlinear optical activities. <i>Chemical Communications</i> , 2011, 47, 10749.	4.1	42