Weiwei Li

List of Publications by Year
in descending order

180 papers	10,565 citations	43973 48 h-index	37111 96 g-index
184 all docs	184 docs citations	184 times ranked	7870 citing authors

#	Article	IF	Citations
1	Surfactant-Encapsulated Polyoxometalate Complex as a Cathode Interlayer for Nonfullerene Polymer Solar Cells. CCS Chemistry, 2022, 4, 975-986.	4.6	5
2	An Organicâ€“Inorganic Hybrid Material Based on Benzo[ghi]perylenetri-imide and Cyclic Titanium-Oxo Cluster for Efficient Perovskite and Organic Solar Cells. CCS Chemistry, 2022, 4, 880-888.	4.6	32
3	A benzo[ghi]-perylene triimide based double-cable conjugated polymer for single-component organic solar cells. Chinese Chemical Letters, 2022, 33, 466-469.	4.8	23
4	Insulating Polymers as Additives to Bulkâ€Heterojunction Organic Solar Cells: The Effect of Miscibility. ChemPhysChem, 2022, 23, .	1.0	20
5	TiO2 nanoparticles via simple surface modification as cathode interlayer for efficient organic solar cells. Organic Electronics, 2022, 101, 106422.	1.4	8
6	Ultrathin Flexible Transparent Composite Electrode via Semi-embedding Silver Nanowires in a Colorless Polyimide for High-Performance Ultraflexible Organic Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 5699-5708.	4.0	32
7	Enhancing the Performance of Small-Molecule Organic Solar Cells via Fused-Ring Design. ACS Applied Materials & Interfaces, 2022, 14, 7093-7101.	4.0	13
8	Highâ€Performance Indoor Organic Solar Cells Based on a Doubleâ€Cable Conjugated Polymer. Solar Rrl, 2022, 6, .	3.1	12
9	Quantum Efficiency and Voltage Losses in P3HT: Non-fullerene Solar Cells. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2022, .	2.2	18
10	Double-Cable Conjugated Polymers with Rigid Phenyl Linkers for Single-Component Organic Solar Cells. Macromolecules, 2022, 55, 2517-2523.	2.2	11
11	Recent progress in organic solar cells (Part I material science). Science China Chemistry, 2022, 65, 224-268.	4.2	349
12	Unraveling the Chargeâ€Carrier Dynamics from the Femtosecond to the Microsecond Time Scale in Doubleâ€Cable Polymerâ€Based Singleâ€Component Organic Solar Cells. Advanced Energy Materials, 2022, 12, 2103406.	10.2	15
13	Functional Ligand-Decorated ZnO Nanoparticles as Cathode Interlayers for Efficient Organic Solar Cells. ACS Applied Energy Materials, 2022, 5, 1291-1297.	2.5	14
14	Miscibility-Controlled Mechanical and Photovoltaic Properties in Double-Cable Conjugated Polymer/Insulating Polymer Composites. Macromolecules, 2022, 55, 322-330.	2.2	16
15	Naphthobistriazole based non-fused electron acceptors for organic solar cells. Journal of Materials Chemistry C, 2022, 10, 8070-8076.	2.7	7
16	Highly stable photomultiplication-type organic photodetectors with single polymers containing intramolecular traps as the active layer. Journal of Materials Chemistry C, 2022, 10, 7822-7830.	2.7	47
17	Perylene bisimides-based molecular dyads with different alkyl linkers for single-component organic solar cells. Dyes and Pigments, 2022, 203, 110355.	2.0	6
18	Recent progress in organic solar cells (Part II device engineering). Science China Chemistry, 2022, 65, 1457-1497.	4.2	157

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19	Impact of pendent naphthalenedimide content in random double-cable conjugated polymers on their microstructures and photovoltaic performance. Polymer, 2022, 253, 125020.	1.8	2
20	Industrial viability of single-component organic solar cells. Joule, 2022, 6, 1160-1171.	11.7	40
21	Length Effect of Alkyl Linkers on the Crystalline Transition in Naphthalene Diimide-Based Double-Cable Conjugated Polymers. Macromolecules, 2022, 55, 5188-5196.	2.2	7
22	Mechanical-robust and recyclable polyimide substrates coordinated with cyclic Ti-oxo cluster for flexible organic solar cells. Npj Flexible Electronics, 2022, 6, .	5.1	17
23	Revisiting Conjugated Polymers with Long-Branched Alkyl Chains: High Molecular Weight, Excellent Mechanical Properties, and Low Voltage Losses. Macromolecules, 2022, 55, 5964-5974.	2.2	13
24	Doubleâ€Cable Conjugated Polymers with Pendent Nearâ€Infrared Electron Acceptors for Singleâ€Component Organic Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	28
25	Simple Sn-based coordination complex as cathode interlayer for efficient organic solar cells. Organic Electronics, 2022, 108, 106577.	1.4	1
26	Mn2Cl4 Cluster Based Two-Dimensional Coordination Polymer for Dichromate Sensing Property. Journal of Cluster Science, 2021, 32, 235-241.	1.7	0
27	Highly sensitive all-polymer photodetectors with ultraviolet-visible to near-infrared photo-detection and their application as an optical switch. Journal of Materials Chemistry C, 2021, 9, 5349-5355.	2.7	45
28	Effects of alkyl side chains of double-cable conjugated polymers on the photovoltaic performance of single-component organic solar cells. Journal of Materials Chemistry C, 2021, 9, 16240-16246.	2.7	6
29	Zinc oxide nanoparticles as electron transporting interlayer in organic solar cells. Journal of Materials Chemistry C, 2021, 9, 14093-14114.	2.7	33
30	An Organicâ€“Inorganic Hybrid Electrolyte as a Cathode Interlayer for Efficient Organic Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8526-8531.	7.2	54
31	An Organicâ€“Inorganic Hybrid Electrolyte as a Cathode Interlayer for Efficient Organic Solar Cells. Angewandte Chemie, 2021, 133, 8607-8612.	1.6	16
32	Double-Cable Conjugated Polymers with Pendant Rylene Diimides for Single-Component Organic Solar Cells. Accounts of Chemical Research, 2021, 54, 2227-2237.	7.6	67
33	Reprogrammable 3D Liquidâ€Crystalline Actuators with Precisely Controllable Stepwise Actuation. Advanced Intelligent Systems, 2021, 3, 2000249.	3.3	18
34	Highly sensitive, sub-microsecond polymer photodetectors for blood oxygen saturation testing. Science China Chemistry, 2021, 64, 1302-1309.	4.2	69
35	Benzothiadiazole-Based Double-Cable Conjugated Polymers for Single-Component Organic Solar Cells with Efficiency over 4%. ACS Applied Polymer Materials, 2021, 3, 4645-4650.	2.0	12
36	Ti-Oxo Clusters with Peripheral Alkyl Groups as Cathode Interlayers for Efficient Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 39671-39677.	4.0	14

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37	Mechanical Robust Flexible Singleâ€Component Organic Solar Cells. Small Methods, 2021, 5, e2100481.	4.6	33
38	Revealing the Sideâ€Chainâ€Dependent Ordering Transition of Highly Crystalline Doubleâ€Cable Conjugated Polymers. Angewandte Chemie - International Edition, 2021, 60, 25499-25507.	7.2	31
39	Revealing the Sideâ€Chainâ€Dependent Ordering Transition of Highly Crystalline Doubleâ€Cable Conjugated Polymers. Angewandte Chemie, 2021, 133, 25703-25711.	1.6	3
40	Flexible organic solar cells: Materials, large-area fabrication techniques and potential applications. Nano Energy, 2021, 89, 106399.	8.2	99
41	Fullerene as an additive for increasing the efficiency of organic solar cells to more than 17%. Journal of Colloid and Interface Science, 2021, 601, 70-77.	5.0	15
42	Ultrafast Structure and Vibrational Dynamics of a Cyano-Containing Non-Fullerene Acceptor for Organic Solar Cells Revealed by Two-Dimensional Infrared Spectroscopy. Journal of Physical Chemistry B, 2021, 125, 11987-11995.	1.2	2
43	Nearâ€Infrared Nonfullerene Acceptors Based on 4<i>H</i>â€Cyclopenta[1,2â€<i>b</i>:5,4â€<i>b</i>â€²]dithiophene for Organic Solar Cells and Organic Fieldâ€Effect Transistors. Chemistry - an Asian Journal, 2021, 16, 4171-4178.	1.7	9
44	Increasing donor-acceptor spacing for reduced voltage loss in organic solar cells. Nature Communications, 2021, 12, 6679.	5.8	56
45	Incorporating semiflexible linkers into double-cable conjugated polymers <i>via</i> a click reaction. Polymer Chemistry, 2021, 12, 6865-6872.	1.9	3
46	Ternary organic solar cells based on polymer donor, polymer acceptor and PCBM components. Chinese Chemical Letters, 2020, 31, 865-868.	4.8	38
47	Recent progress of thin-film photovoltaics for indoor application. Chinese Chemical Letters, 2020, 31, 643-653.	4.8	106
48	A CuBr Metalâ€“Organic Framework: From Two Dimensional Net to Quasi-Three Dimensional Frame Through Encapsulated Cu2Br2 Cluster. Journal of Cluster Science, 2020, 31, 1207-1212.	1.7	1
49	End Group Engineering on the Side Chains of Conjugated Polymers toward Efficient Non-Fullerene Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 6151-6158.	4.0	16
50	Lateral Photodetectors Based on Double-Cable Polymer/Two-Dimensional Perovskite Heterojunction. ACS Applied Materials & Interfaces, 2020, 12, 8826-8834.	4.0	27
51	Thieno[3,4-<i>c</i>]pyrrole-4,6-dione-based conjugated polymers for organic solar cells. Chemical Communications, 2020, 56, 10394-10408.	2.2	23
52	A Naphthalenediimide-Based Polymer Acceptor with Multidirectional Orientations via Double-Cable Design. Macromolecules, 2020, 53, 9279-9286.	2.2	2
53	Excited-state photophysical processes in a molecular system containing perylene bisimide and zinc porphyrin chromophores. Physical Chemistry Chemical Physics, 2020, 22, 20891-20900.	1.3	5
54	Miscibilityâ€Controlled Phase Separation in Doubleâ€Cable Conjugated Polymers for Singleâ€Component Organic Solar Cells with Efficiencies over 8â€‰%. Angewandte Chemie - International Edition, 2020, 59, 21683-21692.	7.2	82

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55	Miscibilityâ€Controlled Phase Separation in Doubleâ€Cable Conjugated Polymers for Singleâ€Component Organic Solar Cells with Efficiencies over 8â€‰%. Angewandte Chemie, 2020, 132, 21867-21876.	1.6	18
56	Single-crystal field-effect transistors based on a fused-ring electron acceptor with high ambipolar mobilities. Journal of Materials Chemistry C, 2020, 8, 5370-5374.	2.7	57
57	Non-fullerene organic solar cells based on a BODIPY-polymer as electron donor with high photocurrent. Journal of Materials Chemistry C, 2020, 8, 2232-2237.	2.7	23
58	A selenophene substituted double-cable conjugated polymer enables efficient single-component organic solar cells. Journal of Materials Chemistry C, 2020, 8, 2790-2797.	2.7	29
59	Semitransparent Organic Solar Cells based on Non-Fullerene Electron Acceptors. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	15
60	Realizing lamellar nanophase separation in a double-cable conjugated polymer <i>via</i> a solvent annealing process. Polymer Chemistry, 2019, 10, 4584-4592.	1.9	22
61	Thermal-Driven Phase Separation of Double-Cable Polymers Enables Efficient Single-Component Organic Solar Cells. Joule, 2019, 3, 1765-1781.	11.7	124
62	Crystalline Cooperativity of Donor and Acceptor Segments in Doubleâ€Cable Conjugated Polymers toward Efficient Singleâ€Component Organic Solar Cells. Angewandte Chemie, 2019, 131, 15678-15686.	1.6	11
63	Crystalline Cooperativity of Donor and Acceptor Segments in Doubleâ€Cable Conjugated Polymers toward Efficient Singleâ€Component Organic Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 15532-15540.	7.2	53
64	Small Band gap Boron Dipyrromethene-Based Conjugated Polymers for All-Polymer Solar Cells: The Effect of Methyl Units. Macromolecules, 2019, 52, 8367-8373.	2.2	18
65	Ternary organic solar cells based on two compatible PDI-based acceptors with an enhanced power conversion efficiency. Journal of Materials Chemistry A, 2019, 7, 3552-3557.	5.2	58
66	Efficient DPP Donor and Nonfullerene Acceptor Organic Solar Cells with High Photonâ€toâ€Current Ratio and Low Energetic Loss. Advanced Functional Materials, 2019, 29, 1902441.	7.8	43
67	Conjugated molecular dyads with diketopyrrolopyrrole-based conjugated backbones for single-component organic solar cells. Materials Chemistry Frontiers, 2019, 3, 1565-1573.	3.2	21
68	Correlating crystallinity to photovoltaic performance in single-component organic solar cells via conjugated backbone engineering. Dyes and Pigments, 2019, 170, 107575.	2.0	14
69	Improving Electron Transport in a Double-Cable Conjugated Polymer via Parallel Perylenetriimide Design. Macromolecules, 2019, 52, 3689-3696.	2.2	32
70	Benzodithiopheneâ€Fused Perylene Bisimides as Electron Acceptors for Nonâ€Fullerene Organic Solar Cells with High Openâ€Circuit Voltage. ChemPhysChem, 2019, 20, 2696-2701.	1.0	5
71	A Wideâ€Bandgap Conjugated Polymer Based on Quinoxalino[6,5â€<i>f</i>â€‰â€‰]quinoxaline for Fullerene and Nonâ€Fullerene Polymer Solar Cells. Macromolecular Rapid Communications, 2019, 40, e1900120.	2.0	15
72	Diketopyrrolopyrrole-based conjugated materials for non-fullerene organic solar cells. Journal of Materials Chemistry A, 2019, 7, 10174-10199.	5.2	111

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73	Evidencing Excellent Thermalâ€•and Photostability for Singleâ€Component Organic Solar Cells with Inherently Builtâ€In Microstructure. Advanced Energy Materials, 2019, 9, 1900409.	10.2	99
74	A conjugated polymer based on alkylthio-substituted benzo[1,2-c:4,5-câ€™]dithiophene-4,8-dione acceptor for polymer solar cells. Dyes and Pigments, 2019, 165, 335-340.	2.0	14
75	A diketopyrrolopyrrole-based macrocyclic conjugated molecule for organic electronics. Journal of Materials Chemistry C, 2019, 7, 3802-3810.	2.7	21
76	Boosting the Performance of Non-Fullerene Organic Solar Cells via Cross-Linked Donor Polymers Design. Macromolecules, 2019, 52, 2214-2221.	2.2	26
77	Crystalline Conjugated Polymers for Organic Solar Cells: From Donor, Acceptor to Singleâ€Component. Chemical Record, 2019, 19, 962-972.	2.9	36
78	Simple non-fullerene electron acceptors with unfused core for organic solar cells. Chinese Chemical Letters, 2019, 30, 222-224.	4.8	31
79	Vertical Stratification Engineering for Organic Bulk-Heterojunction Devices. ACS Nano, 2018, 12, 4440-4452.	7.3	77
80	An Isoindigoâ€Based â€œDoubleâ€Cableâ€•Conjugated Polymer for Singleâ€•Component Polymer Solar Cells. Chinese Journal of Chemistry, 2018, 36, 515-518.	2.6	26
81	A Universal Route to Fabricate <i>nâ€iâ€p</i> Multiâ€Junction Polymer Solar Cells via Solution Processing. Solar Rrl, 2018, 2, 1800018.	3.1	13
82	Hybrid Organic/PbS Quantum Dot Bilayer Photodetector with Low Dark Current and High Detectivity. Advanced Functional Materials, 2018, 28, 1706690.	7.8	143
83	Small bandgap porphyrin-based polymer acceptors for non-fullerene organic solar cells. Journal of Materials Chemistry C, 2018, 6, 717-721.	2.7	22
84	A new strategy for designing polymer electron acceptors: electronrich conjugated backbone with electron-deficient side units. Science China Chemistry, 2018, 61, 824-829.	4.2	34
85	Ethynyl-linked perylene bisimide based electron acceptors for non-fullerene organic solar cells. Chinese Chemical Letters, 2018, 29, 325-327.	4.8	22
86	Multifunctional Diketopyrrolopyrroleâ€Based Conjugated Polymers with Perylene Bisimide Side Chains. Macromolecular Rapid Communications, 2018, 39, e1700611.	2.0	24
87	Highly Efficient Synthesis of a Ladderâ€Type BNâ€Heteroacene and Polyheteroacene. Asian Journal of Organic Chemistry, 2018, 7, 465-470.	1.3	8
88	A near-infrared porphyrin-based electron acceptor for non-fullerene organic solar cells. Chinese Chemical Letters, 2018, 29, 371-373.	4.8	26
89	Bilayerâ€"Ternary Polymer Solar Cells Fabricated Using Spontaneous Spreading on Water. Advanced Energy Materials, 2018, 8, 1802197.	10.2	26
90	A Simple, Smallâ€Bandgap Porphyrinâ€Based Conjugated Polymer for Application in Organic Electronics. Macromolecular Rapid Communications, 2018, 39, e1800546.	2.0	7

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91	Effect of Side Groups on the Photovoltaic Performance Based on Porphyrinâ€“Perylene Bisimide Electron Acceptors. ACS Applied Materials & Interfaces, 2018, 10, 32454-32461.	4.0	21
92	The Impact of Device Polarity on the Performance of Polymerâ€“Fullerene Solar Cells. Advanced Energy Materials, 2018, 8, 1800550.	10.2	25
93	Morphology Control Enables Efficient Ternary Organic Solar Cells. Advanced Materials, 2018, 30, e1803045.	11.1	243
94	Relating open-circuit voltage losses to the active layer morphology and contact selectivity in organic solar cells. Journal of Materials Chemistry A, 2018, 6, 12574-12581.	5.2	65
95	Star-Shaped Electron Acceptor based on Naphthalenediimide-Porphyrin for Non-Fullerene Organic Solar Cells. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 344-347.	2.2	19
96	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells. Angewandte Chemie - International Edition, 2017, 56, 2694-2698.	7.2	232
97	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells. Angewandte Chemie, 2017, 129, 2738-2742.	1.6	28
98	Non-fullerene organic solar cells based on diketopyrrolopyrrole polymers as electron donors and ITIC as an electron acceptor. Physical Chemistry Chemical Physics, 2017, 19, 8069-8075.	1.3	31
99	RÃ¼cktitelbild: An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells (Angew. Chem. 10/2017). Angewandte Chemie, 2017, 129, 2850-2850.	1.6	0
100	Halogenated conjugated molecules for ambipolar field-effect transistors and non-fullerene organic solar cells. Materials Chemistry Frontiers, 2017, 1, 1389-1395.	3.2	173
101	Efficient Top-Illuminated Organic-Quantum Dots Hybrid Tandem Solar Cells with Complementary Absorption. ACS Photonics, 2017, 4, 1172-1177.	3.2	17
102	From Binary to Ternary: Improving the External Quantum Efficiency of Smallâ€Molecule Acceptorâ€Based Polymer Solar Cells with a Minute Amount of Fullerene Sensitization. Advanced Energy Materials, 2017, 7, 1700328.	10.2	54
103	Enhancing the performance of non-fullerene solar cells with polymer acceptors containing large-sized aromatic units. Organic Electronics, 2017, 47, 133-138.	1.4	14
104	Conjugated polymer acceptors based on fused perylene bisimides with a twisted backbone for non-fullerene solar cells. Polymer Chemistry, 2017, 8, 3300-3306.	1.9	45
105	Diazaisoindigo bithiophene and terthiophene copolymers for application in fieldâ€effect transistors and solar cells. Journal of Polymer Science Part A, 2017, 55, 2691-2699.	2.5	14
106	Diketopyrrolopyrroleâ€Porphyrin Based Conjugated Polymers for Ambipolar Fieldâ€Effect Transistors. Chemistry - an Asian Journal, 2017, 12, 1861-1864.	1.7	11
107	Integration of perovskite and polymer photoactive layers to produce ultrafast response, ultraviolet-to-near-infrared, sensitive photodetectors. Materials Horizons, 2017, 4, 242-248.	6.4	127
108	Polymer:Fullerene Bimolecular Crystals for Nearâ€Infrared Spectroscopic Photodetectors. Advanced Materials, 2017, 29, 1702184.	11.1	150

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109	Performance limitations in thieno[3,4-c]pyrrole-4,6-dione-based polymer:ITIC solar cells. Physical Chemistry Chemical Physics, 2017, 19, 23990-23998.	1.3	29
110	Diketopyrrolopyrrole-Based Conjugated Polymers with Perylene Bisimide Side Chains for Single-Component Organic Solar Cells. Chemistry of Materials, 2017, 29, 7073-7077.	3.2	93
111	â€œDouble-Cableâ€•Conjugated Polymers with Linear Backbone toward High Quantum Efficiencies in Single-Component Polymer Solar Cells. Journal of the American Chemical Society, 2017, 139, 18647-18656.	6.6	119
112	Gas-Flow Tailoring Fabrication of Graphene-like Coâ€“N<i>x</i>â€“C Nanosheet Supported Sub-10 nm PtCo Nanoalloys as Synergistic Catalyst for Air-Cathode Microbial Fuel Cells. ACS Applied Materials & Interfaces, 2017, 9, 22465-22475.	4.0	30
113	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Fieldâ€Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. Advanced Materials, 2016, 28, 943-950.	11.1	155
114	All polymer solar cells with diketopyrrolopyrrole-polymers as electron donor and a naphthalenediimide-polymer as electron acceptor. RSC Advances, 2016, 6, 35677-35683.	1.7	22
115	A systematical investigation of non-fullerene solar cells based on diketopyrrolopyrrole polymers as electron donor. Organic Electronics, 2016, 35, 112-117.	1.4	16
116	A perylene bisimide derivative with a LUMO level of âˆ’4.56 eV for non-fullerene solar cells. Journal of Materials Chemistry C, 2016, 4, 4134-4137.	2.7	24
117	Perfluoroalkyl-substituted conjugated polymers as electron acceptors for all-polymer solar cells: the effect of diiodoperfluoroalkane additives. Journal of Materials Chemistry A, 2016, 4, 7736-7745.	5.2	31
118	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. Macromolecules, 2016, 49, 6431-6438.	2.2	71
119	Enhancing the photovoltaic performance of binary acceptor-based conjugated polymers incorporating methyl units. RSC Advances, 2016, 6, 98071-98079.	1.7	5
120	Effect of Alkyl Side Chains of Conjugated Polymer Donors on the Device Performance of Non-Fullerene Solar Cells. Macromolecules, 2016, 49, 6445-6454.	2.2	76
121	Methylated conjugated polymers based on diketopyrrolopyrrole and dithienothiophene for high performance field-effect transistors. Organic Electronics, 2016, 37, 366-370.	1.4	21
122	Diketopyrrolopyrrole Polymers with Thienyl and Thiazolyl Linkers for Application in Field-Effect Transistors and Polymer Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 30328-30335.	4.0	26
123	Highly Efficient Hybrid Polymer and Amorphous Silicon Multijunction Solar Cells with Effective Optical Management. Advanced Materials, 2016, 28, 2170-2177.	11.1	36
124	All-small-molecule organic solar cells based on an electron donor incorporating binary electron-deficient units. Journal of Materials Chemistry A, 2016, 4, 6056-6063.	5.2	49
125	Conjugated polymer with ternary electronâ€deficient units for ambipolar nanowire fieldâ€effect transistors. Journal of Polymer Science Part A, 2016, 54, 34-38.	2.5	19
126	Double-side responsive polymer near-infrared photodetectors with transfer-printed electrode. Journal of Materials Chemistry C, 2016, 4, 1414-1419.	2.7	43

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127	Reversible redox activity of ferrocene functionalized hydroxypropyl cellulose and its application to detect H 2 O 2. Carbohydrate Polymers, 2016, 140, 35-42.	5.1	21
128	Diketopyrrolopyrrole Polymers for Organic Solar Cells. Accounts of Chemical Research, 2016, 49, 78-85.	7.6	435
129	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents. Polymer Chemistry, 2016, 7, 164-170.	1.9	18
130	High Performance Polymer Nanowire Fieldâ€Effect Transistors with Distinct Molecular Orientations. Advanced Materials, 2015, 27, 4963-4968.	11.1	79
131	Synthesis, selfâ€assembly and redoxâ€responsive properties of wellâ€defined hydroxypropylcelluloseâ€<i>graft</i>â€poly(2â€acryloyloxyethyl ferrocenecarboxylate) copolymers. Polymer International, 2015, 64, 1015-1022.	1.6	15
132	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. Polymer Chemistry, 2015, 6, 4775-4783.	1.9	34
133	High Quantum Efficiencies in Polymer Solar Cells at Energy Losses below 0.6 eV. Journal of the American Chemical Society, 2015, 137, 2231-2234.	6.6	365
134	A real-time study of the benefits of co-solvents in polymer solar cell processing. Nature Communications, 2015, 6, 6229.	5.8	287
135	A regioregular terpolymer comprising two electron-deficient and one electron-rich unit for ultra small band gap solar cells. Chemical Communications, 2015, 51, 4290-4293.	2.2	48
136	Polymerâ€"polymer solar cells with a near-infrared spectral response. Journal of Materials Chemistry A, 2015, 3, 6756-6760.	5.2	41
137	Conjugated polymers with deep LUMO levels for field-effect transistors and polymerâ€"polymer solar cells. Journal of Materials Chemistry C, 2015, 3, 8255-8261.	2.7	23
138	Performance Enhancement of Polymer Solar Cells by Using Two Polymer Donors with Complementary Absorption Spectra. Macromolecular Rapid Communications, 2015, 36, 1348-1353.	2.0	12
139	Photoelectrochemical water splitting in an organic artificial leaf. Journal of Materials Chemistry A, 2015, 3, 23936-23945.	5.2	61
140	Polymer Solar Cells: Solubility Controls Fiber Network Formation. Journal of the American Chemical Society, 2015, 137, 11783-11794.	6.6	133
141	Wool graft polyacrylamidoxime as the adsorbent for both cationic and anionic toxic ions from aqueous solutions. RSC Advances, 2014, 4, 60609-60616.	1.7	21
142	Charge transfer state energy in ternary bulk-heterojunction polymerâ€"fullerene solar cells. Journal of Photonics for Energy, 2014, 5, 057203.	0.8	30
143	Superheated high-temperature size-exclusion chromatography with chloroform as the mobile phase for Ï€-conjugated polymers. Polymer Chemistry, 2014, 5, 558-561.	1.9	8
144	Controlled release of liposome-encapsulated Naproxen from core-sheath electrospun nanofibers. Carbohydrate Polymers, 2014, 111, 18-24.	5.1	41

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145	Polymer Solar Cells with Diketopyrrolopyrrole Conjugated Polymers as the Electron Donor and Electron Acceptor. Advanced Materials, 2014, 26, 3304-3309.	11.1	245
146	Wide band gap diketopyrrolopyrrole-based conjugated polymers incorporating biphenyl units applied in polymer solar cells. Chemical Communications, 2014, 50, 679-681.	2.2	70
147	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. Journal of Materials Chemistry C, 2014, 2, 5116-5123.	2.7	27
148	Contactless charge carrier mobility measurement in organic field-effect transistors. Organic Electronics, 2014, 15, 2855-2861.	1.4	2
149	Small-Bandgap Semiconducting Polymers with High Near-Infrared Photoresponse. Journal of the American Chemical Society, 2014, 136, 12130-12136.	6.6	259
150	Homocoupling Defects in Diketopyrrolopyrrole-Based Copolymers and Their Effect on Photovoltaic Performance. Journal of the American Chemical Society, 2014, 136, 11128-11133.	6.6	174
151	Effect of the Fibrillar Microstructure on the Efficiency of High Molecular Weight Diketopyrrolopyrroleâ€Based Polymer Solar Cells. Advanced Materials, 2014, 26, 1565-1570.	11.1	207
152	Effect of structure on the solubility and photovoltaic properties of bis-diketopyrrolopyrrole molecules. Journal of Materials Chemistry A, 2013, 1, 15150.	5.2	35
153	Universal Correlation between Fibril Width and Quantum Efficiency in Diketopyrrolopyrrole-Based Polymer Solar Cells. Journal of the American Chemical Society, 2013, 135, 18942-18948.	6.6	305
154	Synthesis of thiophene-containing conjugated polymers from 2,5-thiophenebis(boronic ester)s by Suzuki polycondensation. Polymer Chemistry, 2013, 4, 895.	1.9	18
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