Weiwei Li

List of Publications by Year
in descending order

180 papers	10,565 citations	44069 48 h-index	37204 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.	7.8	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.	7.8	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.	9.0	23
4	Insulating Polymers as Additives to Bulkâ€Heterojunction Organic Solar Cells: The Effect of Miscibility. ChemPhysChem, 2022, 23, .	2.1	20
5	TiO2 nanoparticles via simple surface modification as cathode interlayer for efficient organic solar cells. Organic Electronics, 2022, 101, 106422.	2.6	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.	8.0	32
7	Enhancing the Performance of Small-Molecule Organic Solar Cells via Fused-Ring Design. ACS Applied Materials & Interfaces, 2022, 14, 7093-7101.	8.0	13
8	Highâ€Performance Indoor Organic Solar Cells Based on a Doubleâ€Cable Conjugated Polymer. Solar Rrl, 2022, 6, .	5.8	12
9	Quantum Efficiency and Voltage Losses in P3HT: Non-fullerene Solar Cells. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2022, .	4.9	18
10	Double-Cable Conjugated Polymers with Rigid Phenyl Linkers for Single-Component Organic Solar Cells. Macromolecules, 2022, 55, 2517-2523.	4.8	11
11	Recent progress in organic solar cells (Part I material science). Science China Chemistry, 2022, 65, 224-268.	8.2	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.	19.5	15
13	Functional Ligand-Decorated ZnO Nanoparticles as Cathode Interlayers for Efficient Organic Solar Cells. ACS Applied Energy Materials, 2022, 5, 1291-1297.	5.1	14
14	Miscibility-Controlled Mechanical and Photovoltaic Properties in Double-Cable Conjugated Polymer/Insulating Polymer Composites. Macromolecules, 2022, 55, 322-330.	4.8	16
15	Naphthobistriazole based non-fused electron acceptors for organic solar cells. Journal of Materials Chemistry C, 2022, 10, 8070-8076.	5.5	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.	5.5	47
17	Perylene bisimides-based molecular dyads with different alkyl linkers for single-component organic solar cells. Dyes and Pigments, 2022, 203, 110355.	3.7	6
18	Recent progress in organic solar cells (Part II device engineering). Science China Chemistry, 2022, 65, 1457-1497.	8.2	157

#	Article	IF	Citations
19	Impact of pendent naphthalenedimide content in random double-cable conjugated polymers on their microstructures and photovoltaic performance. Polymer, 2022, 253, 125020.	3.8	2
20	Industrial viability of single-component organic solar cells. Joule, 2022, 6, 1160-1171.	24.0	40
21	Length Effect of Alkyl Linkers on the Crystalline Transition in Naphthalene Diimide-Based Double-Cable Conjugated Polymers. Macromolecules, 2022, 55, 5188-5196.	4.8	7
22	Mechanical-robust and recyclable polyimide substrates coordinated with cyclic Ti-oxo cluster for flexible organic solar cells. Npj Flexible Electronics, 2022, 6, .	10.7	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.	4.8	13
24	Doubleâ€Cable Conjugated Polymers with Pendent Nearâ€Infrared Electron Acceptors for Singleâ€Component Organic Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
25	Simple Sn-based coordination complex as cathode interlayer for efficient organic solar cells. Organic Electronics, 2022, 108, 106577.	2.6	1
26	Mn2Cl4 Cluster Based Two-Dimensional Coordination Polymer for Dichromate Sensing Property. Journal of Cluster Science, 2021, 32, 235-241.	3.3	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.	5.5	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.	5.5	6
29	Zinc oxide nanoparticles as electron transporting interlayer in organic solar cells. Journal of Materials Chemistry C, 2021, 9, 14093-14114.	5.5	33
30	An Organicâ€"Inorganic Hybrid Electrolyte as a Cathode Interlayer for Efficient Organic Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8526-8531.	13.8	54
31	An Organicâ€"Inorganic Hybrid Electrolyte as a Cathode Interlayer for Efficient Organic Solar Cells. Angewandte Chemie, 2021, 133, 8607-8612.	2.0	16
32	Double-Cable Conjugated Polymers with Pendant Rylene Diimides for Single-Component Organic Solar Cells. Accounts of Chemical Research, 2021, 54, 2227-2237.	15.6	67
33	Reprogrammable 3D Liquidâ€Crystalline Actuators with Precisely Controllable Stepwise Actuation. Advanced Intelligent Systems, 2021, 3, 2000249.	6.1	18
34	Highly sensitive, sub-microsecond polymer photodetectors for blood oxygen saturation testing. Science China Chemistry, 2021, 64, 1302-1309.	8.2	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.	4.4	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.	8.0	14

#	Article	IF	Citations
37	Mechanical Robust Flexible Singleâ€Component Organic Solar Cells. Small Methods, 2021, 5, e2100481.	8.6	33
38	Revealing the Sideâ€Chainâ€Dependent Ordering Transition of Highly Crystalline Doubleâ€Cable Conjugated Polymers. Angewandte Chemie - International Edition, 2021, 60, 25499-25507.	13.8	31
39	Revealing the Sideâ€Chainâ€Dependent Ordering Transition of Highly Crystalline Doubleâ€Cable Conjugated Polymers. Angewandte Chemie, 2021, 133, 25703-25711.	2.0	3
40	Flexible organic solar cells: Materials, large-area fabrication techniques and potential applications. Nano Energy, 2021, 89, 106399.	16.0	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.	9.4	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.	2.6	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.	3.3	9
44	Increasing donor-acceptor spacing for reduced voltage loss in organic solar cells. Nature Communications, 2021, 12, 6679.	12.8	56
45	Incorporating semiflexible linkers into double-cable conjugated polymers <i>via</i> a click reaction. Polymer Chemistry, 2021, 12, 6865-6872.	3.9	3
46	Ternary organic solar cells based on polymer donor, polymer acceptor and PCBM components. Chinese Chemical Letters, 2020, 31, 865-868.	9.0	38
47	Recent progress of thin-film photovoltaics for indoor application. Chinese Chemical Letters, 2020, 31, 643-653.	9.0	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.	3.3	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.	8.0	16
50	Lateral Photodetectors Based on Double-Cable Polymer/Two-Dimensional Perovskite Heterojunction. ACS Applied Materials & Interfaces, 2020, 12, 8826-8834.	8.0	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.	4.1	23
52	A Naphthalenediimide-Based Polymer Acceptor with Multidirectional Orientations via Double-Cable Design. Macromolecules, 2020, 53, 9279-9286.	4.8	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.	2.8	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.	13.8	82

#	Article	IF	Citations
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.	2.0	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.	5.5	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.	5.5	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.	5.5	29
59	Semitransparent Organic Solar Cells based on Non-Fullerene Electron Acceptors. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	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.	3.9	22
61	Thermal-Driven Phase Separation of Double-Cable Polymers Enables Efficient Single-Component Organic Solar Cells. Joule, 2019, 3, 1765-1781.	24.0	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.	2.0	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.	13.8	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.	4.8	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.	10.3	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.	14.9	43
67	Conjugated molecular dyads with diketopyrrolopyrrole-based conjugated backbones for single-component organic solar cells. Materials Chemistry Frontiers, 2019, 3, 1565-1573.	5.9	21
68	Correlating crystallinity to photovoltaic performance in single-component organic solar cells via conjugated backbone engineering. Dyes and Pigments, 2019, 170, 107575.	3.7	14
69	Improving Electron Transport in a Double-Cable Conjugated Polymer via Parallel Perylenetriimide Design. Macromolecules, 2019, 52, 3689-3696.	4.8	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.	2.1	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.	3.9	15
72	Diketopyrrolopyrrole-based conjugated materials for non-fullerene organic solar cells. Journal of Materials Chemistry A, 2019, 7, 10174-10199.	10.3	111

#	Article	IF	Citations
73	Evidencing Excellent Thermalâ€and Photostability for Singleâ€Component Organic Solar Cells with Inherently Builtâ€In Microstructure. Advanced Energy Materials, 2019, 9, 1900409.	19.5	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.	3.7	14
75	A diketopyrrolopyrrole-based macrocyclic conjugated molecule for organic electronics. Journal of Materials Chemistry C, 2019, 7, 3802-3810.	5.5	21
76	Boosting the Performance of Non-Fullerene Organic Solar Cells via Cross-Linked Donor Polymers Design. Macromolecules, 2019, 52, 2214-2221.	4.8	26
77	Crystalline Conjugated Polymers for Organic Solar Cells: From Donor, Acceptor to Singleâ€Component. Chemical Record, 2019, 19, 962-972.	5.8	36
78	Simple non-fullerene electron acceptors with unfused core for organic solar cells. Chinese Chemical Letters, 2019, 30, 222-224.	9.0	31
79	Vertical Stratification Engineering for Organic Bulk-Heterojunction Devices. ACS Nano, 2018, 12, 4440-4452.	14.6	77
80	An Isoindigoâ€Based â€œDoubleâ€Cableâ€Conjugated Polymer for Singleâ€Component Polymer Solar Cells. Chinese Journal of Chemistry, 2018, 36, 515-518.	4.9	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.	5.8	13
82	Hybrid Organic/PbS Quantum Dot Bilayer Photodetector with Low Dark Current and High Detectivity. Advanced Functional Materials, 2018, 28, 1706690.	14.9	143
83	Small bandgap porphyrin-based polymer acceptors for non-fullerene organic solar cells. Journal of Materials Chemistry C, 2018, 6, 717-721.	5.5	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.	8.2	34
85	Ethynyl-linked perylene bisimide based electron acceptors for non-fullerene organic solar cells. Chinese Chemical Letters, 2018, 29, 325-327.	9.0	22
86	Multifunctional Diketopyrrolopyrroleâ€Based Conjugated Polymers with Perylene Bisimide Side Chains. Macromolecular Rapid Communications, 2018, 39, e1700611.	3.9	24
87	Highly Efficient Synthesis of a Ladderâ€Type BNâ€Heteroacene and Polyheteroacene. Asian Journal of Organic Chemistry, 2018, 7, 465-470.	2.7	8
88	A near-infrared porphyrin-based electron acceptor for non-fullerene organic solar cells. Chinese Chemical Letters, 2018, 29, 371-373.	9.0	26
89	Bilayerâ€“Ternary Polymer Solar Cells Fabricated Using Spontaneous Spreading on Water. Advanced Energy Materials, 2018, 8, 1802197.	19.5	26
90	A Simple, Smallâ€Bandgap Porphyrinâ€Based Conjugated Polymer for Application in Organic Electronics. Macromolecular Rapid Communications, 2018, 39, e1800546.	3.9	7

#	Article	IF	Citations
91	Effect of Side Groups on the Photovoltaic Performance Based on Porphyrinâ€"Perylene Bisimide Electron Acceptors. ACS Applied Materials & Interfaces, 2018, 10, 32454-32461.	8.0	21
92	The Impact of Device Polarity on the Performance of Polymerâ€"Fullerene Solar Cells. Advanced Energy Materials, 2018, 8, 1800550.	19.5	25
93	Morphology Control Enables Efficient Ternary Organic Solar Cells. Advanced Materials, 2018, 30, e1803045.	21.0	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.	10.3	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.	4.9	19
96	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells. Angewandte Chemie - International Edition, 2017, 56, 2694-2698.	13.8	232
97	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells. Angewandte Chemie, 2017, 129, 2738-2742.	2.0	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.	2.8	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.	2.0	0
100	Halogenated conjugated molecules for ambipolar field-effect transistors and non-fullerene organic solar cells. Materials Chemistry Frontiers, 2017, 1, 1389-1395.	5.9	173
101	Efficient Top-Illuminated Organic-Quantum Dots Hybrid Tandem Solar Cells with Complementary Absorption. ACS Photonics, 2017, 4, 1172-1177.	6.6	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.	19.5	54
103	Enhancing the performance of non-fullerene solar cells with polymer acceptors containing large-sized aromatic units. Organic Electronics, 2017, 47, 133-138.	2.6	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.	3.9	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.	2.3	14
106	Diketopyrrolopyrroleâ€Porphyrin Based Conjugated Polymers for Ambipolar Fieldâ€Effect Transistors. Chemistry - an Asian Journal, 2017, 12, 1861-1864.	3.3	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.	12.2	127
108	Polymer:Fullerene Bimolecular Crystals for Nearâ€Infrared Spectroscopic Photodetectors. Advanced Materials, 2017, 29, 1702184.	21.0	150

#	Article	IF	Citations
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.	2.8	29
110	Diketopyrrolopyrrole-Based Conjugated Polymers with Perylene Bisimide Side Chains for Single-Component Organic Solar Cells. Chemistry of Materials, 2017, 29, 7073-7077.	6.7	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.	13.7	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.	8.0	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.	21.0	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.	3.6	22
115	A systematical investigation of non-fullerene solar cells based on diketopyrrolopyrrole polymers as electron donor. Organic Electronics, 2016, 35, 112-117.	2.6	16
116	A perylene bisimide derivative with a LUMO level of â"’4.56 eV for non-fullerene solar cells. Journal of Materials Chemistry C, 2016, 4, 4134-4137.	5.5	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.	10.3	31
118	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. Macromolecules, 2016, 49, 6431-6438.	4.8	71
119	Enhancing the photovoltaic performance of binary acceptor-based conjugated polymers incorporating methyl units. RSC Advances, 2016, 6, 98071-98079.	3.6	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.	4.8	76
121	Methylated conjugated polymers based on diketopyrrolopyrrole and dithienothiophene for high performance field-effect transistors. Organic Electronics, 2016, 37, 366-370.	2.6	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.	8.0	26
123	Highly Efficient Hybrid Polymer and Amorphous Silicon Multijunction Solar Cells with Effective Optical Management. Advanced Materials, 2016, 28, 2170-2177.	21.0	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.	10.3	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.	2.3	19
126	Double-side responsive polymer near-infrared photodetectors with transfer-printed electrode. Journal of Materials Chemistry C, 2016, 4, 1414-1419.	5.5	43

#	Article	IF	Citations
127	Reversible redox activity of ferrocene functionalized hydroxypropyl cellulose and its application to detect H 2 O 2. Carbohydrate Polymers, 2016, 140, 35-42.	10.2	21
128	Diketopyrrolopyrrole Polymers for Organic Solar Cells. Accounts of Chemical Research, 2016, 49, 78-85.	15.6	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.	3.9	18
130	High Performance Polymer Nanowire Fieldâ€Effect Transistors with Distinct Molecular Orientations. Advanced Materials, 2015, 27, 4963-4968.	21.0	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.	3.1	15
132	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. Polymer Chemistry, 2015, 6, 4775-4783.	3.9	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.	13.7	365
134	A real-time study of the benefits of co-solvents in polymer solar cell processing. Nature Communications, 2015, 6, 6229.	12.8	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.	4.1	48
136	Polymerâ€“polymer solar cells with a near-infrared spectral response. Journal of Materials Chemistry A, 2015, 3, 6756-6760.	10.3	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.	5.5	23
138	Performance Enhancement of Polymer Solar Cells by Using Two Polymer Donors with Complementary Absorption Spectra. Macromolecular Rapid Communications, 2015, 36, 1348-1353.	3.9	12
139	Photoelectrochemical water splitting in an organic artificial leaf. Journal of Materials Chemistry A, 2015, 3, 23936-23945.	10.3	61
140	Polymer Solar Cells: Solubility Controls Fiber Network Formation. Journal of the American Chemical Society, 2015, 137, 11783-11794.	13.7	133
141	Wool graft polyacrylamidoxime as the adsorbent for both cationic and anionic toxic ions from aqueous solutions. RSC Advances, 2014, 4, 60609-60616.	3.6	21
142	Charge transfer state energy in ternary bulk-heterojunction polymerâ€“fullerene solar cells. Journal of Photonics for Energy, 2014, 5, 057203.	1.3	30
143	Superheated high-temperature size-exclusion chromatography with chloroform as the mobile phase for Ï€-conjugated polymers. Polymer Chemistry, 2014, 5, 558-561.	3.9	8
144	Controlled release of liposome-encapsulated Naproxen from core-sheath electrospun nanofibers. Carbohydrate Polymers, 2014, 111, 18-24.	10.2	41

#	Article	IF	Citations
145	Polymer Solar Cells with Diketopyrrolopyrrole Conjugated Polymers as the Electron Donor and Electron Acceptor. Advanced Materials, 2014, 26, 3304-3309.	21.0	245
146	Wide band gap diketopyrrolopyrrole-based conjugated polymers incorporating biphenyl units applied in polymer solar cells. Chemical Communications, 2014, 50, 679-681.	4.1	70
147	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. Journal of Materials Chemistry C, 2014, 2, 5116-5123.	5.5	27
148	Contactless charge carrier mobility measurement in organic field-effect transistors. Organic Electronics, 2014, 15, 2855-2861.	2.6	2
149	Small-Bandgap Semiconducting Polymers with High Near-Infrared Photoresponse. Journal of the American Chemical Society, 2014, 136, 12130-12136.	13.7	259
150	Homocoupling Defects in Diketopyrrolopyrrole-Based Copolymers and Their Effect on Photovoltaic Performance. Journal of the American Chemical Society, 2014, 136, 11128-11133.	13.7	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.	21.0	207
152	Effect of structure on the solubility and photovoltaic properties of bis-diketopyrrolopyrrole molecules. Journal of Materials Chemistry A, 2013, 1, 15150.	10.3	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.	13.7	305
154	Synthesis of thiophene-containing conjugated polymers from 2,5-thiophenebis(boronic ester)s by Suzuki polycondensation. Polymer Chemistry, 2013, 4, 895.	3.9	18
155	Ethynyleneâ€containing donorâ€"acceptor alternating conjugated polymers: Synthesis and photovoltaic properties. Journal of Polymer Science Part A, 2013, 51, 383-393.	2.3	16
156	Conjugated polymers with 2,7-linked 3,6-difluorocarbazole as donor unit for high efficiency polymer solar cells. Polymer Chemistry, 2013, 4, 2773.	3.9	31
157	Efficient Small Bandgap Polymer Solar Cells with High Fill Factors for 300 nm Thick Films. Advanced Materials, 2013, 25, 3182-3186.	21.0	295
158	Efficient Tandem and Triple-Junction Polymer Solar Cells. Journal of the American Chemical Society, 2013, 135, 5529-5532.	13.7	498
159	Band Gap Control in Diketopyrrolopyrroleâ€Based Polymer Solar Cells Using Electron Donating Side Chains. Advanced Energy Materials, 2013, 3, 674-679.	19.5	33
160	Self-assembly of carboxylated polythiophene nanowires for improved bulk heterojunction morphology in polymer solar cells. Journal of Materials Chemistry, 2012, 22, 11354.	6.7	28
161	Enhancing the Photocurrent in Diketopyrrolopyrrole-Based Polymer Solar Cells via Energy Level Control. Journal of the American Chemical Society, 2012, 134, 13787-13795.	13.7	258
162	Dibenzothiophene-Based Planar Conjugated Polymers for High Efficiency Polymer Solar Cells. Macromolecules, 2012, 45, 7843-7854.	4.8	45

#	Article	IF	Citations
163	9-Alkylidene-9<i>H</i>-Fluorene-Containing Polymer for High-Efficiency Polymer Solar Cells. Macromolecules, 2011, 44, 7617-7624.	4.8	99
164	The Effect of additive on performance and shelf-stability of HSX-1/PCBM photovoltaic devices. Organic Electronics, 2011, 12, 1544-1551.	2.6	58
165	Polythiophenes with Carbazole Side Chains: Design, Synthesis and Their Application in Organic Solar Cells. Macromolecular Chemistry and Physics, 2010, 211, 948-955.	2.2	13
166	Tailoring side chains of low band gap polymers for high efficiency polymer solar cells. Polymer, 2010, 51, 3031-3038.	3.8	90
167	Conjugated polymers with broad absorption: Synthesis and application in polymer solar cells. Journal of Polymer Science Part A, 2010, 48, 2571-2578.	2.3	46
168	New Methanofullerenes Containing Amide as Electron Acceptor for Construction Photovoltaic Devices. Journal of Physical Chemistry C, 2009, 113, 21970-21975.	3.1	35
169	Tailoring Nanowire Network Morphology and Charge Carrier Mobility of Poly(3-hexylthiophene)/C₆₀ Films. Journal of Physical Chemistry C, 2009, 113, 11385-11389.	3.1	17
170	A Planar Copolymer for High Efficiency Polymer Solar Cells. Journal of the American Chemical Society, 2009, 131, 14612-14613.	13.7	407
171	Benzothiadiazole-Based Linear and Star Molecules: Design, Synthesis, and Their Application in Bulk Heterojunction Organic Solar Cells. Chemistry of Materials, 2009, 21, 5327-5334.	6.7	137
172	Tris[tri(2â€thienyl)phosphine]palladium as the catalyst precursor for thiopheneâ€based Suzukiâ€Miyaura crosscoupling and polycondensation. Journal of Polymer Science Part A, 2008, 46, 4556-4563.	2.3	29
173	Porphyrinâ^'Dithienothiophene Ï€-Conjugated Copolymers: Synthesis and Their Applications in Field-Effect Transistors and Solar Cells. Macromolecules, 2008, 41, 6895-6902.	4.8	144
174	Thermo-induced formation of physical â€œcross-linking pointsâ€•of PNIPAM-g-PEO in semidilute aqueous solutions. Journal of Colloid and Interface Science, 2006, 298, 991-995.	9.4	28
175	Ultra-stable single component organic solar cells under thermal and/or illumination pressure: the next superior organic photovoltaics?. , 0, , .		0
176	Quantitative Analysis of Charge Dissociation by Selectively Characterizing Exciton Splitting Efficiencies in Single Component Materials. Israel Journal of Chemistry, 0, , .	2.3	0
177	Ultrastable Single-component Material Devices: the Next Frontier for Organic Solar Cells. , 0, , .		0
178	Unraveling the Charge Carrier Dynamics from the Femtosecond to the Microsecond Timescale in Double-cable Polymer-based Single-component Organic Solar Cells. , 0, , .		0
179	Ultrastable single-component organic solar cells: the next frontier towards industrial viability. , 0, , .		0
180	Doubleâ€Cable Conjugated Polymers with Pendent Nearâ€Infrared Electron Acceptors for Singleâ€Component Organic Solar Cells. Angewandte Chemie, 0, , .	2.0	0