Fei Huang

List of Publications by Year
in descending order

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396	34,815	2427	4645
papers	citations	97 h-index	170 g-index

396	396	396	16656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dithienobenzothiadiazole-Bridged Nonfullerene Electron Acceptors for Efficient Organic Solar Cells. ACS Applied Polymer Materials, 2023, 5, 2298-2306.	4.4	6
2	N-alkyl chain modification in dithienobenzotriazole unit enabled efficient polymer donor for high-performance non-fullerene solar cells. Journal of Energy Chemistry, 2022, 66, 382-389.	12.9	15
3	Decoupling Complex Multiâ€Lengthâ€Scale Morphology in Nonâ€Fullerene Photovoltaics with Nitrogen Kâ€Edge Resonant Soft Xâ€ray Scattering. Advanced Materials, 2022, 34, e2107316.	21.0	16
4	Synchronously regulating the alkyl side-chain and regioisomer of polymerized small molecule acceptor enabling highly efficient all-polymer solar cells processed with non-halogenated solvent. Chemical Engineering Journal, 2022, 433, 133575.	12.7	22
5	Side-chain engineering on conjugated porous polymer photocatalyst with adenine groups enables high-performance hydrogen evolution from water. Polymer, 2022, 240, 124509.	3.8	11
6	Layer-by-layer processed binary all-polymer solar cells with efficiency over 16% enabled by finely optimized morphology. Nano Energy, 2022, 93, 106858.	16.0	71
7	In-situ self-organized anode interlayer enables organic solar cells with simultaneously simplified processing and greatly improved efficiency to 17.8%. Nano Energy, 2022, 93, 106814.	16.0	42
8	Benzo[1,2â€b:4,5â€bâ€²]difuran Based Polymer Donor for Highâ€Efficiency (>16%) and Stable Organic Solar Cells. Advanced Energy Materials, 2022, 12, .	19.5	37
9	Ternary strategy enabling high-efficiency rigid and flexible organic solar cells with reduced non-radiative voltage loss. Energy and Environmental Science, 2022, 15, 1563-1572.	30.8	83
10	Superior layer-by-layer deposition realizing Pâ€“iâ€“N all-polymer solar cells with efficiency over 16% and fill factor over 77%. Journal of Materials Chemistry A, 2022, 10, 10880-10891.	10.3	18
11	Morphology evolution via solvent optimization enables all-polymer solar cells with improved efficiency and reduced voltage loss. Journal of Materials Chemistry C, 2022, 10, 6710-6716.	5.5	8
12	The Renaissance of Oligothiopheneâ€Based Donorâ€“Acceptor Polymers in Organic Solar Cells. Advanced Energy Materials, 2022, 12, .	19.5	43
13	Polythiophenes for organic solar cells with efficiency surpassing 17%. Joule, 2022, 6, 647-661.	24.0	112
14	Achieving 16% Efficiency for Polythiophene Organic Solar Cells with a Cyanoâ€Substituted Polythiophene. Advanced Functional Materials, 2022, 32, .	14.9	51
15	Layerâ€byâ€Layer Processed PM6:Y6â€Based Stable Ternary Polymer Solar Cells with Improved Efficiency over 18% by Incorporating an Asymmetric Thieno[3,2â€b]indoleâ€Based Acceptor. Advanced Functional Materials, 2022, 32, .	14.9	50
16	Nonâ€Fused Polymerized Small Molecular Acceptors for Efficient Allâ€Polymer Solar Cells. Solar Rrl, 2022, 6, .	5.8	18
17	A Vinyleneâ€Linkerâ€Based Polymer Acceptor Featuring a Coplanar and Rigid Molecular Conformation Enables Highâ€Performance Allâ€Polymer Solar Cells with Over 17% Efficiency. Advanced Materials, 2022, 34, e2200361.	21.0	131
18	Highâ€Efficiency P3HTâ€Based Allâ€Polymer Solar Cells with a Thermodynamically Miscible Polymer Acceptor. Solar Rrl, 2022, 6, .	5.8	15

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19	Design of All-Fused-Ring Nonfullerene Acceptor for Highly Sensitive Self-Powered Near-Infrared Organic Photodetectors. , 2022, 4, 882-890.		27
20	Recent progress in organic solar cells (Part I material science). Science China Chemistry, 2022, 65, 224-268.	8.2	349
21	Fineâ€Tuning Batch Factors of Polymer Acceptors Enables a Binary Allâ€Polymer Solar Cell with High Efficiency of 16.11%. Advanced Energy Materials, 2022, 12, .	19.5	52
22	Semitransparent Organic Solar Cells with Efficiency Surpassing 15%. Advanced Energy Materials, 2022, 12, .	19.5	63
23	Tandem organic solar cells with 18.67% efficiency via careful subcell design and selection. Journal of Materials Chemistry A, 2022, 10, 11238-11245.	10.3	18
24	Donorâ€“Acceptor Copolymers with Rationally Regulated Side Chain Orientation for Polymer Solar Cells Processed by Non-Halogenated Solvent. Organic Materials, 2022, 4, 18-27.	2.0	3
25	Electrospun Donor/Acceptor Nanofibers for Efficient Photocatalytic Hydrogen Evolution. Nanomaterials, 2022, 12, 1535.	4.1	0
26	Doping Compensation Enables Highâ€Detectivity Infrared Organic Photodiodes for Image Sensing. Advanced Materials, 2022, 34, e2201827.	21.0	45
27	Solution-processed green and blue quantum-dot light-emitting diodes with eliminated charge leakage. Nature Photonics, 2022, 16, 505-511.	31.4	152
28	Recent progress in organic solar cells (Part II device engineering). Science China Chemistry, 2022, 65, 1457-1497.	8.2	157
29	Noncovalent Interactions Induced by Fluorination of the Central Core Improve the Photovoltaic Performance of A-D-Aâ€²-D-A-Type Nonfused Ring Acceptors. ACS Applied Energy Materials, 2022, 5, 7710-7718.	5.1	25
30	Effects of Oxygen Position in the Alkoxy Substituents on the Photovoltaic Performance of A-DAâ€²D-A Type Pentacyclic Small Molecule Acceptors. ACS Energy Letters, 2022, 7, 2373-2381.	17.4	19
31	An electron acceptor featuring a Bâ€“N covalent bond and small singletâ€“triplet gap for organic solar cells. Chemical Communications, 2022, 58, 8686-8689.	4.1	18
32	Targeted Adjusting Molecular Arrangement in Organic Solar Cells via a Universal Solid Additive. Advanced Functional Materials, 2022, 32, .	14.9	11
33	A Near-infrared Non-fullerene Acceptor with Thienopyrrole-expanded Benzo[1,2-b:4,5-bâ€²]dithiophene Core for Polymer Solar Cells. Chinese Journal of Polymer Science (English Edition), 2021, 39, 35-42.	3.8	15
34	Asymmetric Alkoxy and Alkyl Substitution on Nonfullerene Acceptors Enabling Highâ€Performance Organic Solar Cells. Advanced Energy Materials, 2021, 11, 2003141.	19.5	144
35	Morphology evolution with polymer chain propagation and its impacts on device performance and stability of non-fullerene solar cells. Journal of Materials Chemistry A, 2021, 9, 556-565.	10.3	19
36	Realizing high hydrogen evolution activity under visible light using narrow band gap organic photocatalysts. Chemical Science, 2021, 12, 1796-1802.	7.4	77

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37	Constructing a new polymer acceptor enabled non-halogenated solvent-processed all-polymer solar cell with an efficiency of 13.8%. Chemical Communications, 2021, 57, 935-938.	4.1	36
38	Copper Thiocyanate as an Anode Interfacial Layer for Efficient Near-Infrared Organic Photodetector. ACS Applied Materials & Interfaces, 2021, 13, 1027-1034.	8.0	31
39	Aldol Condensationâ€Polymerized nâ€Doped Conjugated Polyelectrolytes for Highâ€Performance Nonfullerene Polymer Solar Cells. Solar Rrl, 2021, 5, .	5.8	12
40	15.4% Efficiency all-polymer solar cells. Science China Chemistry, 2021, 64, 408-412.	8.2	83
41	A pyridinium-pended conjugated polyelectrolyte for efficient photocatalytic hydrogen evolution and organic solar cells. Polymer Chemistry, 2021, 12, 1498-1506.	3.9	12
42	Induced crystallization of solâ€“gel-derived zinc oxide for efficient non-fullerene polymer solar cells. Journal of Materials Chemistry A, 2021, 9, 9616-9623.	10.3	9
43	A facile strategy for third-component selection in non-fullerene acceptor-based ternary organic solar cells. Energy and Environmental Science, 2021, 14, 5009-5016.	30.8	119
44	Cu(<scp>ii</scp>)-Porphyrin based near-infrared molecules: synthesis, characterization and photovoltaic application. New Journal of Chemistry, 2021, 45, 1601-1608.	2.8	4
45	A donor polymer based on 3-cyanothiophene with superior batch-to-batch reproducibility for high-efficiency organic solar cells. Energy and Environmental Science, 2021, 14, 5530-5540.	30.8	66
46	Truxene-based covalent organic polyhedrons constructed through alkyne metathesis. Organic Chemistry Frontiers, 2021, 8, 4723-4729.	4.5	8
47	Ternary copolymers containing 3,4-dicyanothiophene for efficient organic solar cells with reduced energy loss. Journal of Materials Chemistry A, 2021, 9, 13522-13530.	10.3	23
48	Direct arylation polycondensation towards water/alcohol-soluble conjugated polymers as the electron transporting layers for organic solar cells. Chemical Communications, 2021, 57, 5798-5801.	4.1	2
49	Non-fullerene electron acceptors with benzotrithiophene with Ï€-extension terminal groups for the development of high-efficiency organic solar cells. Journal of Materials Chemistry C, 2021, 9, 13896-13903.	5.5	15
50	All-polymer solar cells with efficiency approaching 16% enabled using a dithieno[3â€²,2â€²:3,4;2â€²â€²,3â€²â€²:5,6]benzo[1,2-c][1,2,5]thiadiazole (fDTBT)-based polymer donor. Journal of Materials Chemistry A, 2021, 9, 8975-8983.	10.3	54
51	Shorter alkyl chain in thieno[3,4-c]pyrrole-4,6-dione (TPD)-based large bandgap polymer donors â€“ Yield efficient non-fullerene polymer solar cells. Journal of Energy Chemistry, 2021, 53, 69-76.	12.9	10
52	A Facile Synthesized Polymer Featuring Bâ€N Covalent Bond and Small Singletâ€Triplet Gap for Highâ€Performance Organic Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8813-8817.	13.8	97
53	Recent progress in thickâ€film organic photovoltaic devices: Materials, devices, and processing. SusMat, 2021, 1, 4-23.	14.9	59
54	A Facile Synthesized Polymer Featuring Bâ€N Covalent Bond and Small Singletâ€Triplet Gap for Highâ€Performance Organic Solar Cells. Angewandte Chemie, 2021, 133, 8895-8899.	2.0	25

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55	Regioâ€Regular Polymer Acceptors Enabled by Determined Fluorination on End Groups for Allâ€Polymer Solar Cells with 15.2â€‰% Efficiency. Angewandte Chemie, 2021, 133, 10225-10234.	2.0	13
56	Regioâ€Regular Polymer Acceptors Enabled by Determined Fluorination on End Groups for Allâ€Polymer Solar Cells with 15.2â€‰% Efficiency. Angewandte Chemie - International Edition, 2021, 60, 10137-10146.	13.8	145
57	16% efficiency all-polymer organic solar cells enabled by a finely tuned morphology via the design of ternary blend. Joule, 2021, 5, 914-930.	24.0	228
58	Ternary organic photodiodes with spectral response from 300 to 1200 nm for spectrometer application. Science China Materials, 2021, 64, 2430-2438.	6.3	28
59	Heterometallic Seedâ€Mediated Zinc Deposition on Inkjet Printed Silver Nanoparticles Toward Foldable and Heatâ€Resistant Zinc Batteries. Advanced Functional Materials, 2021, 31, 2101607.	14.9	109
60	Nonhalogenatedâ€Solventâ€Processed Highâ€Performance Allâ€Polymer Solar Cell with Efficiency over 14%. Solar Rrl, 2021, 5, 2100076.	5.8	24
61	Porphyrin-Based Conjugated Polyelectrolytes for Efficient Photocatalytic Hydrogen Evolution. Macromolecules, 2021, 54, 4902-4909.	4.8	19
62	Dualâ€“Functionalâ€Polymer Dopantâ€“Passivant Boosted Electron Transport Layer for Highâ€Performance Inverted Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100236.	5.8	5
63	High-performance polymer solar cells with efficiency over 18% enabled by asymmetric side chain engineering of non-fullerene acceptors. Science China Chemistry, 2021, 64, 1192-1199.	8.2	181
64	Low-bandgap conjugated polymers based on benzodipyrrolidone with reliable unipolar electron mobility exceeding 1 cm2 Vâ^'1 sâ^'1. Science China Chemistry, 2021, 64, 1219-1227.	8.2	19
65	Dodecacyclicâ€Fused Electron Acceptors with Multiple Electronâ€Deficient Units for Efficient Organic Solar Cells. ChemSusChem, 2021, 14, 3544-3552.	6.8	15
66	Tandem Organic Solar Cells with 18.7% Efficiency Enabled by Suppressing the Charge Recombination in Front Subâ€Cell. Advanced Functional Materials, 2021, 31, 2103283.	14.9	84
67	Surpassing 13% Efficiency for Polythiophene Organic Solar Cells Processed from Nonhalogenated Solvent. Advanced Materials, 2021, 33, e2008158.	21.0	90
68	High-Performance All-Polymer Solar Cells and Photodetectors Enabled by a High-Mobility n-Type Polymer and Optimized Bulk-Heterojunction Morphology. Chemistry of Materials, 2021, 33, 3746-3756.	6.7	17
69	Rational Anode Engineering Enables Progresses for Different Types of Organic Solar Cells. Advanced Energy Materials, 2021, 11, 2100492.	19.5	108
70	Truxene Functionalized Star-Shaped Non-fullerene Acceptor With Selenium-Annulated Perylene Diimides for Efficient Organic Solar Cells. Frontiers in Chemistry, 2021, 9, 681994.	3.6	2
71	Recent advances of interface engineering for non-fullerene organic solar cells. Organic Electronics, 2021, 93, 106141.	2.6	27
72	Organic diradicals enabled N-type self-doped conjugated polyelectrolyte with high transparency and enhanced conductivity. Giant, 2021, 6, 100053.	5.1	30

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73	A Wellâ€Mixed Phase Formed by Two Compatible Nonâ€Fullerene Acceptors Enables Ternary Organic Solar Cells with Efficiency over 18.6%. Advanced Materials, 2021, 33, e2101733.	21.0	354
74	Overcoming incompatibility of donors and acceptors by constructing planar heterojunction organic solar cells. Nano Energy, 2021, 85, 105957.	16.0	29
75	Fine Tuning Miscibility of Donor/Acceptor through Solid Additives Enables Allâ€Polymer Solar Cells with 15.6% Efficiency. Solar Rrl, 2021, 5, 2100549.	5.8	23
76	Nâ€Type Quinoidal Polymers Based on Dipyrrolopyrazinedione for Application in Allâ€Polymer Solar Cells. Chemistry - A European Journal, 2021, 27, 13527-13533.	3.3	8
77	Improving photovoltaic parameters of all-polymer solar cells through integrating two polymeric donors. Science China Chemistry, 2021, 64, 2010-2016.	8.2	30
78	Formation of Vitrified Solid Solution Enables Simultaneously Efficient and Stable Organic Solar Cells. ACS Energy Letters, 2021, 6, 3522-3529.	17.4	27
79	Selfâ€Powered Organic Photodetectors with High Detectivity for Near Infrared Light Detection Enabled by Dark Current Reduction. Advanced Functional Materials, 2021, 31, 2106326.	14.9	70
80	Optimized active layer morphology via side-chain atomic substituents to achieve efficient and stable all-polymer solar cells. Journal of Materials Chemistry C, 2021, 9, 9515-9523.	5.5	4
81	An accurate, high-speed, portable bifunctional electrical detector for COVID-19. Science China Materials, 2021, 64, 739-747.	6.3	29
82	Enabling High Efficiency of Hydrocarbonâ€Solvent Processed Organic Solar Cells through Balanced Charge Generation and Nonâ€Radiative Loss. Advanced Energy Materials, 2021, 11, 2101768.	19.5	61
83	Evolution of the electronic structure in open-shell donor-acceptor organic semiconductors. Nature Communications, 2021, 12, 5889.	12.8	47
84	Manipulating Grain Boundary Defects in Ï€â€Conjugated Covalent Organic Frameworks Enabling Intrinsic Radical Generation for Photothermal Conversion. Solar Rrl, 2021, 5, 2100762.	5.8	13
85	Stretchable transparent electrodes for conformable wearable organic photovoltaic devices. Npj Flexible Electronics, 2021, 5, .	10.7	45
86	Ï€â€Extended Conjugated Polymer Acceptor Containing Thienyleneâ€“Vinyleneâ€“Thienylene Unit for Highâ€Performance Thickâ€Film Allâ€Polymer Solar Cells with Superior Longâ€Term Stability. Advanced Energy Materials, 2021, 11, 2102559.	19.5	83
87	Evidence That Sharp Interfaces Suppress Recombination in Thick Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 56394-56403.	8.0	3
88	Sequentially Deposited Active Layer with Bulk-Heterojunction-like Morphology for Efficient Conventional and Inverted All-Polymer Solar Cells. ACS Applied Energy Materials, 2021, 4, 13307-13315.	5.1	10
89	Tetraphenylbenzosilole: An AIE Building Block for Deep-Blue Emitters with High Performance in Nondoped Spin-Coating OLEDs. Journal of Organic Chemistry, 2020, 85, 158-167.	3.2	26
90	Polymer Preâ€Aggregation Enables Optimal Morphology and High Performance in Allâ€Polymer Solar Cells. Solar Rrl, 2020, 4, 1900385.	5.8	39

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91	Chlorinated Fused Nonacyclic Non-Fullerene Acceptor Enables Efficient Large-Area Polymer Solar Cells with High Scalability. Chemistry of Materials, 2020, 32, 1022-1030.	6.7	27
92	A Layer-by-Layer Architecture for Printable Organic Solar Cells Overcoming the Scaling Lag of Module Efficiency. Joule, 2020, 4, 407-419.	24.0	272
93	Optimization of processing solvent and film morphology to achieve efficient non-fullerene polymer solar cells processed in air. Journal of Materials Chemistry C, 2020, 8, 270-275.	5.5	12
94	Recent developments in carbon nitride based films for photoelectrochemical water splitting. Sustainable Energy and Fuels, 2020, 4, 485-503.	4.9	68
95	Reduced Energy Loss in Non-Fullerene Organic Solar Cells with Isomeric Donor Polymers Containing Thiazole Ï€-Spacers. ACS Applied Materials & Interfaces, 2020, 12, 753-762.	8.0	34
96	Electrical and spin switches in singleâ€molecule junctions. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 92-112.	17.3	47
97	Nearâ€infrared organic photoelectric materials for lightâ€harvesting systems: Organic photovoltaics and organic photodiodes. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 57-91.	17.3	78
98	Waterâ€“Alcohol-Soluble Hyperbranched Polyelectrolytes and Their Application in Polymer Solar Cells and Photocatalysis. ACS Applied Polymer Materials, 2020, 2, 12-18.	4.4	34
99	Achieving Efficient Thick Film All-polymer Solar Cells Using a Green Solvent Additive. Chinese Journal of Polymer Science (English Edition), 2020, 38, 323-331.	3.8	35
100	Bithieno[3,4-c]pyrrole-4,6-dione-Mediated Crystallinity in Large-Bandgap Polymer Donors Directs Charge Transportation and Recombination in Efficient Nonfullerene Polymer Solar Cells. ACS Energy Letters, 2020, 5, 367-375.	17.4	33
101	Reducing Voltage Losses in the A-DAâ€²D-A Acceptor-Based Organic Solar Cells. CheM, 2020, 6, 2147-2161.	11.7	150
102	Tailoring the side chain of imide-functional benzotriazole based polymers to achieve internal quantum efficiency approaching 100%. Journal of Materials Chemistry A, 2020, 8, 23519-23525.	10.3	9
103	Selective Hole and Electron Transport in Efficient Quaternary Blend Organic Solar Cells. Joule, 2020, 4, 1790-1805.	24.0	110
104	Photoelectrochemical Performance Enhancement of ZnSe Nanorods versus Dots: Combined Experimental and Computational Insights. Journal of Physical Chemistry Letters, 2020, 11, 10414-10420.	4.6	5
105	A Universal Fluorinated Polymer Acceptor Enables All-Polymer Solar Cells with >15% Efficiency. ACS Energy Letters, 2020, 5, 3702-3707.	17.4	152
106	A Truxenoneâ€based Covalent Organic Framework as an Allâ€Solidâ€State Lithiumâ€Ion Battery Cathode with High Capacity. Angewandte Chemie, 2020, 132, 20565-20569.	2.0	5
107	A Truxenoneâ€based Covalent Organic Framework as an Allâ€Solidâ€State Lithiumâ€Ion Battery Cathode with High Capacity. Angewandte Chemie - International Edition, 2020, 59, 20385-20389.	13.8	110
108	Efficient Organic Ternary Solar Cells Employing Narrow Band Gap Diketopyrrolopyrrole Polymers and Nonfullerene Acceptors. Chemistry of Materials, 2020, 32, 7309-7317.	6.7	22

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109	The regioisomeric bromination effects of fused-ring electron acceptors: modulation of the optoelectronic property and miscibility endowing the polymer solar cells with 15% efficiency. Journal of Materials Chemistry A, 2020, 8, 25101-25108.	10.3	16
110	Vertical Composition Distribution and Crystallinity Regulations Enable High-Performance Polymer Solar Cells with >17% Efficiency. ACS Energy Letters, 2020, 5, 3637-3646.	17.4	87
111	Growth of Multinary Copper-Based Sulfide Shells on CuInSe₂ Nanocrystals for Significant Improvement of Their Near-Infrared Emission. Chemistry of Materials, 2020, 32, 7842-7849.	6.7	15
112	Direct arylation polycondensed conjugated polyelectrolytes as universal electron transport layers for highly efficient polymer solar cells. Journal of Materials Chemistry C, 2020, 8, 15158-15167.	5.5	7
113	Single-Component Non-halogen Solvent-Processed High-Performance Organic Solar Cell Module with Efficiency over 14%. Joule, 2020, 4, 2004-2016.	24.0	225
114	Toward Efficient Tandem Organic Solar Cells: From Materials to Device Engineering. ACS Applied Materials & Interfaces, 2020, 12, 39937-39947.	8.0	20
115	High-Detectivity Non-Fullerene Organic Photodetectors Enabled by a Cross-Linkable Electron Blocking Layer. ACS Applied Materials & Interfaces, 2020, 12, 45092-45100.	8.0	42
116	Visible-to-near-infrared organic photodiodes with performance comparable to commercial silicon-based detectors. Applied Physics Letters, 2020, 117, .	3.3	45
117	Heptacyclic S,N-Heteroacene-Based Near-Infrared Nonfullerene Acceptor Enables High-Performance Organic Solar Cells with Small Highest Occupied Molecular Orbital Offsets. ACS Applied Materials & Interfaces, 2020, 12, 51776-51784.	8.0	21
118	Dopamine Semiquinone Radical Doped PEDOT:PSS: Enhanced Conductivity, Work Function and Performance in Organic Solar Cells. Advanced Energy Materials, 2020, 10, 2000743.	19.5	97
119	A pseudo-metal-free strategy for constructing high performance photoelectrodes. Journal of Materials Chemistry A, 2020, 8, 12767-12773.	10.3	4
120	Manipulating Film Morphology of Allâ€Polymer Solar Cells by Incorporating Polymer Compatibilizer. Solar Rrl, 2020, 4, 2000148.	5.8	16
121	Tailoring Regioisomeric Structures of Ï€-Conjugated Polymers Containing Monofluorinated Ï€-Bridges for Highly Efficient Polymer Solar Cells. ACS Energy Letters, 2020, 5, 2087-2094.	17.4	101
122	Self-filtering narrowband high performance organic photodetectors enabled by manipulating localized Frenkel exciton dissociation. Nature Communications, 2020, 11, 2871.	12.8	131
123	14.4% efficiency all-polymer solar cell with broad absorption and low energy loss enabled by a novel polymer acceptor. Nano Energy, 2020, 72, 104718.	16.0	280
124	Nonfused Nonfullerene Acceptors with an Aâ€“Dâ€“Aâ€²â€“Dâ€“A Framework and a Benzothiadiazole Core for High-Performance Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 16531-16540.	8.0	100
125	Consecutive Charging of a Perylene Bisimide Dye by Multistep Lowâ€Energy Solarâ€Lightâ€Induced Electron Transfer Towards H₂ Evolution. Angewandte Chemie - International Edition, 2020, 59, 10363-10367.	13.8	42
126	Semitransparent Organic Solar Cells Enabled by a Sequentially Deposited Bilayer Structure. ACS Applied Materials & Interfaces, 2020, 12, 18473-18481.	8.0	58

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127	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	5.9	117
128	Metal-free hydrophilic D-A conjugated polyelectrolyte dots/g-C3N4 nanosheets heterojunction for efficient and irradiation-stable water-splitting photocatalysis. Applied Catalysis B: Environmental, 2020, 270, 118852.	20.2	46
129	Highly efficient, green-solvent processable, and stable non-fullerene polymer solar cells enabled by a random polymer donor. Organic Electronics, 2020, 85, 105874.	2.6	11
130	3,4â€Dicyanothiopheneâ€”a Versatile Building Block for Efficient Nonfullerene Polymer Solar Cells. Advanced Energy Materials, 2020, 10, 1904247.	19.5	48
131	Design and synthesis of an amino-functionalized non-fullerene acceptor as a cathode interfacial layer for polymer solar cells. Journal of Materials Chemistry C, 2020, 8, 5273-5279.	5.5	14
132	Influence of the â€“CN substitution position on the performance of dicyanodistyrylbenzene-based polymer solar cells. Polymer Chemistry, 2020, 11, 1653-1662.	3.9	5
133	Synergistic Effects of Polymer Donor Backbone Fluorination and Nitrogenation Translate into Efficient Non-Fullerene Bulk-Heterojunction Polymer Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 9545-9554.	8.0	19
134	Ternary All-Polymer Solar Cells With 8.5% Power Conversion Efficiency and Excellent Thermal Stability. Frontiers in Chemistry, 2020, 8, 302.	3.6	19
135	Consecutive Charging of a Perylene Bisimide Dye by Multistep Lowâ€Energy Solarâ€Lightâ€Induced Electron Transfer Towards H₂ Evolution. Angewandte Chemie, 2020, 132, 10449-10453.	2.0	13
136	Oxoammonium enabled secondary doping of hole transporting material PEDOT:PSS for high-performance organic solar cells. Science China Chemistry, 2020, 63, 802-809.	8.2	28
137	Achieving Ecoâ€Compatible Organic Solar Cells with Efficiency >16.5% Based on an Iridium Complexâ€Incorporated Polymer Donor. Solar Rrl, 2020, 4, 2000156.	5.8	43
138	Solutionâ€Processed Polymer Solar Cells with over 17% Efficiency Enabled by an Iridium Complexation Approach. Advanced Energy Materials, 2020, 10, 2000590.	19.5	117
139	Hydrophilic Conjugated Materials for Photocatalytic Hydrogen Evolution. Chemistry - an Asian Journal, 2020, 15, 1780-1790.	3.3	53
140	Three-dimensional organic cage with narrowband delayed fluorescence. Science China Chemistry, 2020, 63, 897-903.	8.2	8
141	Molecular design towards two-dimensional electron acceptors for efficient non-fullerene solar cells. Journal of Energy Chemistry, 2020, 51, 190-198.	12.9	3
142	Recent Progress in Allâ€Polymer Solar Cells Based on Wideâ€Bandgap pâ€Type Polymers. Chemistry - an Asian Journal, 2019, 14, 3109-3118.	3.3	18
143	Alkyl Chain Length Effects of Polymer Donors on the Morphology and Device Performance of Polymer Solar Cells with Different Acceptors. Advanced Energy Materials, 2019, 9, 1901740.	19.5	88
144	Amino-functionalised conjugated porous polymers for improved photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 19087-19093.	10.3	41

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145	Morphology optimization via molecular weight tuning of donor polymer enables all-polymer solar cells with simultaneously improved performance and stability. Nano Energy, 2019, 64, 103931.	16.0	81
146	Aqueous-Soluble Naphthalene Diimide-Based Polymer Acceptors for Efficient and Air-Stable All-Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 45038-45047.	8.0	42
147	Substituent Regulation Improves Photocatalytic Hydrogen Evolution of Conjugated Polyelectrolytes. , 2019, 1, 620-627.		32
148	Impact of Donorâ€“Acceptor Interaction and Solvent Additive on the Vertical Composition Distribution of Bulk Heterojunction Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 45979-45990.	8.0	40
149	Ambient Processable and Stable Allâ€Polymer Organic Solar Cells. Advanced Functional Materials, 2019, 29, 1806747.	14.9	111
150	Surpassing the 10% efficiency milestone for 1-cm2 all-polymer solar cells. Nature Communications, 2019, 10, 4100.	12.8	129
151	Backbone Fluorination of Polythiophenes Improves Device Performance of Non-Fullerene Polymer Solar Cells. ACS Applied Energy Materials, 2019, 2, 7572-7583.	5.1	38
152	Optimizing Microstructure Morphology and Reducing Electronic Losses in 1 cm² Polymer Solar Cells to Achieve Efficiency over 15%. ACS Energy Letters, 2019, 4, 2466-2472.	17.4	58
153	Understanding of Imine Substitution in Wide-Bandgap Polymer Donor-Induced Efficiency Enhancement in All-Polymer Solar Cells. Chemistry of Materials, 2019, 31, 8533-8542.	6.7	49
154	A generic green solvent concept boosting the power conversion efficiency of all-polymer solar cells to 11%. Energy and Environmental Science, 2019, 12, 157-163.	30.8	287
155	Red emitting conjugated polymer based nanophotosensitizers for selectively targeted two-photon excitation imaging guided photodynamic therapy. Nanoscale, 2019, 11, 185-192.	5.6	19
156	15% Efficiency Tandem Organic Solar Cell Based on a Novel Highly Efficient Wideâ€Bandgap Nonfullerene Acceptor with Low Energy Loss. Advanced Energy Materials, 2019, 9, 1803657.	19.5	146
157	Improving the efficiency and stability of non-fullerene polymer solar cells by using N2200 as the Additive. Nano Energy, 2019, 58, 724-731.	16.0	49
158	Biomass Nanomicelles Assist Conjugated Polymers/Pt Cocatalysts To Achieve High Photocatalytic Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2019, 7, 4128-4135.	6.7	38
159	Fused nonacyclic electron acceptors with additional alkyl side chains for efficient polymer solar cells. Organic Electronics, 2019, 68, 151-158.	2.6	8
160	Dark Current Reduction Strategy via a Layer-By-Layer Solution Process for a High-Performance All-Polymer Photodetector. ACS Applied Materials & Interfaces, 2019, 11, 8350-8356.	8.0	64
161	High-performance inverted polymer solar cells without an electron extraction layer via a one-step coating of cathode buffer and active layer. Journal of Materials Chemistry A, 2019, 7, 1429-1434.	10.3	16
162	Oneâ€Step Bladeâ€Coated Highly Efficient Nonfullerene Organic Solar Cells with a Selfâ€Assembled Interfacial Layer Enabled by Solvent Vapor Annealing. Solar Rrl, 2019, 3, 1900179.	5.8	19

#	Article	IF	Citations
163	Efficient Nonâ€Fullerene Organic Solar Cells Based on a Wideâ€Bandgap Polymer Donor Containing an Alkylthiophenylâ€Substituted Benzodithiophene Moiety. ChemPhysChem, 2019, 20, 2668-2673.	2.1	5
164	Efficient tandem polymer light-emitting diodes with PTPA-P/ZnO as the charge generation layer. Journal of Materials Chemistry C, 2019, 7, 8003-8010.	5.5	5
165	Synthesis of medium bandgap copolymers based on benzotriazole for non-fullerene organic solar cells. Polymer, 2019, 179, 121580.	3.8	4
166	An efficient binary cathode interlayer for large-bandgap non-fullerene organic solar cells. Journal of Materials Chemistry A, 2019, 7, 12426-12433.	10.3	26
167	A Wideâ€Bandgap Conjugated Polymer Based on Quinoxalino[6,5â€fâ€‰â€‰]quinoxaline for Fullerene and Nonâ€Fullerene Polymer Solar Cells. Macromolecular Rapid Communications, 2019, 40, e1900120.	3.9	15
168	High-detectivity organic photodetectors based on a thick-film photoactive layer using a conjugated polymer containing a naphtho[1,2-c:5,6-c]bis[1,2,5]thiadiazole unit. Journal of Materials Chemistry C, 2019, 7, 6070-6076.	5.5	35
169	High open-circuit voltage organic solar cells enabled by a difluorobenzoxadiazole-based conjugated polymer donor. Science China Chemistry, 2019, 62, 829-836.	8.2	10
170	High-performance non-fullerene polymer solar cells based on naphthobistriazole wide bandgap donor copolymers. Journal of Materials Chemistry C, 2019, 7, 4709-4715.	5.5	2
171	Conjugated Polymers with Oligoethylene Glycol Side Chains for Improved Photocatalytic Hydrogen Evolution. IScience, 2019, 13, 33-42.	4.1	105
172	High-Performance All-Polymer Photodetectors via a Thick Photoactive Layer Strategy. ACS Applied Materials & Interfaces, 2019, 11, 14208-14214.	8.0	54
173	Achieving over 16% efficiency for single-junction organic solar cells. Science China Chemistry, 2019, 62, 746-752.	8.2	817
174	Highly efficient photocatalytic hydrogen evolution from water-soluble conjugated polyelectrolytes. Nano Energy, 2019, 60, 775-783.	16.0	82
175	In Situ Structure Characterization in Slotâ€Dieâ€Printed Allâ€Polymer Solar Cells with Efficiency Over 9%. Solar Rrl, 2019, 3, 1900032.	5.8	20
176	Highly smooth, stable and reflective Ag-paper electrode enabled by silver mirror reaction for organic optoelectronics. Chemical Engineering Journal, 2019, 370, 1048-1056.	12.7	33
177	Waterâ€Soluble Conjugated Molecule for Solarâ€Driven Hydrogen Evolution from Salt Water. Advanced Functional Materials, 2019, 29, 1808156.	14.9	66
178	Ultrasensitive Solution-Processed Broadband PbSe Photodetectors through Photomultiplication Effect. ACS Applied Materials & Interfaces, 2019, 11, 9205-9212.	8.0	28
179	Molecular packing control enables excellent performance and mechanical property of blade-cast all-polymer solar cells. Nano Energy, 2019, 59, 277-284.	16.0	47
180	Impact of Bimolecular Recombination on the Fill Factor of Fullerene and Nonfullerene-Based Solar Cells: A Comparative Study of Charge Generation and Extraction. Journal of Physical Chemistry C, 2019, 123, 6823-6830.	3.1	20

#	Article	IF	Citations
181	Energy level modulation of donorâ€“acceptor alternating random conjugated copolymers for achieving high-performance polymer solar cells. Journal of Materials Chemistry C, 2019, 7, 15335-15343.	5.5	7
182	Aromatic inorganic acid radical. Science China Chemistry, 2019, 62, 1656-1665.	8.2	20
183	Suppressing the excessive aggregation of nonfullerene acceptor in bladeâ€coated active layer by using nâ€type polymer additive to achieve largeâ€area printed organic solar cells with efficiency over 15%. EcoMat, 2019, 1, e12006.	11.9	45
184	Efficient organic-inorganic hybrid cathode interfacial layer enabled by polymeric dopant and its application in large-area polymer solar cells. Science China Chemistry, 2019, 62, 67-73.	8.2	21
185	Highâ€Performance Largeâ€Area Organic Solar Cells Enabled by Sequential Bilayer Processing via Nonhalogenated Solvents. Advanced Energy Materials, 2019, 9, 1802832.	19.5	152
186	Polythiophene derivatives compatible with both fullerene and non-fullerene acceptors for polymer solar cells. Journal of Materials Chemistry C, 2019, 7, 314-323.	5.5	48
187	Fluoro- and Amino-Functionalized Conjugated Polymers as Electron Transport Materials for Perovskite Solar Cells with Improved Efficiency and Stability. ACS Applied Materials & Interfaces, 2019, 11, 5289-5297.	8.0	37
188	Perylene Diimide Based Isomeric Conjugated Polymers as Efficient Electron Acceptors for All-polymer Solar Cells. Chinese Journal of Polymer Science (English Edition), 2019, 37, 18-27.	3.8	9
189	Adjusting Aggregation Modes and Photophysical and Photovoltaic Properties of Diketopyrrolopyrroleâ€Based Small Molecules by Introducing Bâ†N Bonds. Chemistry - A European Journal, 2019, 25, 564-572.	3.3	19
190	N-Type Self-Doped Water/Alcohol-Soluble Conjugated Polymers with Tailored Energy Levels for High-Performance Polymer Solar Cells. Macromolecules, 2018, 51, 2195-2202.	4.8	33
191	8.0% Efficient all-polymer solar cells based on novel starburst polymer acceptors. Science China Chemistry, 2018, 61, 576-583.	8.2	28
192	Low temperature processed high-performance thick film ternary polymer solar cell with enhanced stability. Nano Energy, 2018, 48, 53-62.	16.0	44
193	Spontaneous Interfacial Dipole Orientation Effect of Acetic Acid Solubilized PFN. ACS Applied Materials & Interfaces, 2018, 10, 10270-10279.	8.0	18
194	Phosphonium conjugated polyelectrolytes as interface materials for efficient polymer solar cells. Organic Electronics, 2018, 57, 151-157.	2.6	16
195	Energy-effectively printed all-polymer solar cells exceeding 8.61% efficiency. Nano Energy, 2018, 46, 428-435.	16.0	45
196	Novel efficient blue and bluish-green light-emitting polymers with delayed fluorescence. Journal of Materials Chemistry C, 2018, 6, 2690-2695.	5.5	69
197	Side-chain modification of polyethylene glycol on conjugated polymers for ternary blend all-polymer solar cells with efficiency up to 9.27%. Science China Chemistry, 2018, 61, 427-436.	8.2	43
198	nâ€Type Conjugated Polymer Based on Dicyanodistyrylbenzene and Naphthalene Diimide Units for Allâ€Polymer Solar Cells. Chinese Journal of Chemistry, 2018, 36, 406-410.	4.9	8

#	Article	IF	Citations
199	Highly Efficient Tandem Organic Solar Cell Enabled by Environmentally Friendly Solvent Processed Polymeric Interconnecting Layer. Advanced Energy Materials, 2018, 8, 1703180.	19.5	44
200	Highâ€Performance Thickâ€Film Allâ€Polymer Solar Cells Created Via Ternary Blending of a Novel Wideâ€Bandgap Electronâ€Donating Copolymer. Advanced Energy Materials, 2018, 8, 1703085.	19.5	115
201	Asymmetric Alkyl Sideâ€Chain Engineering of Naphthalene Diimideâ€Based nâ€Type Polymers for Efficient Allâ€Polymer Solar Cells. Macromolecular Rapid Communications, 2018, 39, e1700765.	3.9	21
202	Printed Nonfullerene Organic Solar Cells with the Highest Efficiency of 9.5%. Advanced Energy Materials, 2018, 8, 1701942.	19.5	99
203	Cross-conjugated n-type polymer acceptors for efficient all-polymer solar cells. Chemical Communications, 2018, 54, 2204-2207.	4.1	18
204	Alkali Salt-Doped Highly Transparent and Thickness-Insensitive Electron-Transport Layer for High-Performance Polymer Solar Cell. ACS Applied Materials & Interfaces, 2018, 10, 1939-1947.	8.0	18
205	Photoconductive Cathode Interlayer for Enhanced Electron Injection in Inverted Polymer Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 11377-11381.	8.0	13
206	Nonfullerene Acceptor Molecules for Bulk Heterojunction Organic Solar Cells. Chemical Reviews, 2018, 118, 3447-3507.	47.7	1,371
207	Improved performance of non-fullerene polymer solar cells using wide-bandgap random terpolymers. Organic Electronics, 2018, 57, 317-322.	2.6	12
208	Facile one-step fabrication of CdS_{0.12}Se_{0.88} quantum dots with a ZnSe/ZnS-passivation layer for highly efficient quantum dot sensitized solar cells. Journal of Materials Chemistry A, 2018, 6, 9866-9873.	10.3	38
209	Finely Tuned Composition in Conjugated Polyelectrolytes for Interfacial Engineering of Efficient Polymer Solar Cells. Small Methods, 2018, 2, 1700407.	8.6	24
210	Efficient device engineering for inverted non-fullerene organic solar cells with low energy loss. Journal of Materials Chemistry C, 2018, 6, 4457-4463.	5.5	41
211	Effects of partial replacement of carbon black with nanocrystalline cellulose on properties of natural rubber nanocomposites. Journal of Polymer Engineering, 2018, 38, 137-146.	1.4	15
212	Star-shaped electron acceptors containing a truxene core for non-fullerene solar cells. Organic Electronics, 2018, 52, 42-50.	2.6	52
213	Toward High Efficiency Polymer Solar Cells: Rearranging the Backbone Units into a Readily Accessible Random Tetrapolymer. Advanced Energy Materials, 2018, 8, 1701668.	19.5	32
214	Benzoselenadiazole-based donor-acceptor small molecule: Synthesis, aggregation-induced emission and electroluminescence. Dyes and Pigments, 2018, 149, 399-406.	3.7	21
215	A high dielectric constant non-fullerene acceptor for efficient bulk-heterojunction organic solar cells. Journal of Materials Chemistry A, 2018, 6, 395-403.	10.3	272
216	Efficient Large Area Organic Solar Cells Processed by Bladeâ€Coating With Singleâ€Component Green Solvent. Solar Rrl, 2018, 2, 1700169.	5.8	79

#	Article	IF	Citations
217	A Shockleyâ€Type Polymer: Fullerene Solar Cell. Advanced Energy Materials, 2018, 8, 1701450.	19.5	34
218	Overcoming the morphological and efficiency limit in all-polymer solar cells by designing conjugated random copolymers containing a naphtho[1,2-c:5,6-câ€²]bis([1,2,5]thiadiazole)] moiety. Journal of Materials Chemistry A, 2018, 6, 23295-23300.	10.3	15
219	Polymer-Assisted In Situ Growth of All-Inorganic Perovskite Nanocrystal Film for Efficient and Stable Pure-Red Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 42564-42572.	8.0	86
220	Conjugated Polymers Based on Thiazole Flanked Naphthalene Diimide for Unipolar n-Type Organic Field-Effect Transistors. Chemistry of Materials, 2018, 30, 8343-8351.	6.7	30
221	Electron Acceptors With a Truxene Core and Perylene Diimide Branches for Organic Solar Cells: The Effect of Ring-Fusion. Frontiers in Chemistry, 2018, 6, 328.	3.6	16
222	Efficient and Airâ€Stable Aqueousâ€Processed Organic Solar Cells and Transistors: Impact of Water Addition on Processability and Thinâ€Film Morphologies of Electroactive Materials. Advanced Energy Materials, 2018, 8, 1802674.	19.5	52
223	Naphthalenediimide-based n-type polymer acceptors with pendant twisted perylenediimide units for all-polymer solar cells. Polymer, 2018, 158, 183-189.	3.8	8
224	Fine-tuning of the chemical structure of photoactive materials for highly efficient organic photovoltaics. Nature Energy, 2018, 3, 1051-1058.	39.5	281
225	Non-fullerene acceptors end-capped with an extended conjugation group for efficient polymer solar cells. Organic Electronics, 2018, 59, 366-373.	2.6	8
226	Engineering the morphology via processing additives in multiple all-polymer solar cells for improved performance. Journal of Materials Chemistry A, 2018, 6, 10421-10432.	10.3	65
227	Morphology Optimization via Side Chain Engineering Enables All-Polymer Solar Cells with Excellent Fill Factor and Stability. Journal of the American Chemical Society, 2018, 140, 8934-8943.	13.7	218
228	Designing ternary blend all-polymer solar cells with an efficiency of over 10% and a fill factor of 78%. Nano Energy, 2018, 51, 434-441.	16.0	61
229	On the understanding of energetic disorder, charge recombination and voltage losses in all-polymer solar cells. Journal of Materials Chemistry C, 2018, 6, 7855-7863.	5.5	26
230	Heat-Insulating Multifunctional Semitransparent Polymer Solar Cells. Joule, 2018, 2, 1816-1826.	24.0	173
231	Cyanovinylene-based copolymers synthesized by tin-free Knoevenagel polycondensation for high efficiency polymer solar cells. Journal of Materials Chemistry C, 2018, 6, 8020-8027.	5.5	8
232	Improved Efficiency of Polymer Solar Cells by Modifying the Side Chain of Wide-Band Gap Conjugated Polymers Containing Pyrrolo[3,4-f]benzotriazole-5,7(6H)-dione Moiety. ACS Applied Materials & Interfaces, 2018, 10, 22495-22503.	8.0	22
233	Efficient Organic Solar Cells with Extremely High Openâ€Circuit Voltages and Low Voltage Losses by Suppressing Nonradiative Recombination Losses. Advanced Energy Materials, 2018, 8, 1801699.	19.5	117
234	Novel yellow phosphorescent iridium complexes with dibenzothiophene-S,S-dioxide-based cyclometalated ligand for white polymer light-emitting diodes. Dyes and Pigments, 2018, 159, 637-645.	3.7	14

#	Article	IF	Citations
235	11.2% Allâ€Polymer Tandem Solar Cells with Simultaneously Improved Efficiency and Stability. Advanced Materials, 2018, 30, e1803166.	21.0	92
236	A low-bandgap dimeric porphyrin molecule for 10% efficiency solar cells with small photon energy loss. Journal of Materials Chemistry A, 2018, 6, 18469-18478.	10.3	40
237	Dibenzothiophene Dioxide Based Conjugated Microporous Polymers for Visible-Light-Driven Hydrogen Production. ACS Catalysis, 2018, 8, 8590-8596.	11.2	202
238	High-Performance Ternary Nonfullerene Polymer Solar Cells with Both Improved Photon Harvesting and Device Stability. ACS Applied Materials & Interfaces, 2018, 10, 25594-25603.	8.0	30
239	Highâ€Performance Green Solvent Processed Ternary Blended Allâ€Polymer Solar Cells Enabled by Complementary Absorption and Improved Morphology. Solar Rrl, 2018, 2, 1800196.	5.8	26
240	Improved efficiency in fullerene and non-fullerene polymer solar cells having an interdigitated interface with the electron transport layer. Materials Chemistry Frontiers, 2018, 2, 1859-1865.	5.9	8
241	Star-like n-type conjugated polymers based on naphthalenediimide for all-polymer solar cells. Dyes and Pigments, 2018, 159, 85-91.	3.7	15
242	A Rational Design and Synthesis of Cross-Conjugated Small Molecule Acceptors Approaching High-Performance Fullerene-Free Polymer Solar Cells. Chemistry of Materials, 2018, 30, 4331-4342.	6.7	22
243	Introducing cyclic alkyl chains into small-molecule acceptors for efficient polymer solar cells. Journal of Materials Chemistry C, 2018, 6, 7046-7053.	5.5	23
244	One-step synthesis of cyclic compounds towards easy room-temperature phosphorescence and deep blue thermally activated delayed fluorescence. Chemical Communications, 2018, 54, 7850-7853.	4.1	32
245	Synthesis of regioregular Ï€-conjugated polymers consisting of a lactam moiety via direct heteroarylation polymerization. Chemical Communications, 2017, 53, 1997-2000.	4.1	17
246	High-Performance Organic Field-Effect Transistors Fabricated Based on a Novel Ternary Ï€-Conjugated Copolymer. ACS Applied Materials & Interfaces, 2017, 9, 7315-7321.	8.0	27
247	High-Performance Ternary Organic Solar Cell Enabled by a Thick Active Layer Containing a Liquid Crystalline Small Molecule Donor. Journal of the American Chemical Society, 2017, 139, 2387-2395.	13.7	404
248	Electrostatically self-assembled chitosan derivatives working as efficient cathode interlayers for organic solar cells. Nano Energy, 2017, 34, 164-171.	16.0	40
249	Walnut-like Porous Core/Shell TiO₂ with Hybridized Phases Enabling Fast and Stable Lithium Storage. ACS Applied Materials & Interfaces, 2017, 9, 10652-10663.	8.0	169
250	Enhanced performance of field-effect transistors based on C60 single crystals with conjugated polyelectrolyte. Science China Chemistry, 2017, 60, 490-496.	8.2	8
251	Novel cross-linked films from epoxy-functionalized conjugated polymer and amine based small molecule for the interface engineering of high-efficiency inverted polymer solar cells. Solar Energy Materials and Solar Cells, 2017, 168, 22-29.	6.2	12
252	Amino-functionalized conjugated polymer electron transport layers enhance the UV-photostability of planar heterojunction perovskite solar cells. Chemical Science, 2017, 8, 4587-4594.	7.4	57

#	Article	IF	Citations
253	An Openâ€Circuit Voltage and Power Conversion Efficiency Study of Fullerene Ternary Organic Solar Cells Based on Oligomer/Oligomer and Oligomer/Polymer. Macromolecular Rapid Communications, 2017, 38, 1700090.	3.9	7
254	Selfâ€Doped, nâ€Type Perylene Diimide Derivatives as Electron Transporting Layers for Highâ€Efficiency Polymer Solar Cells. Advanced Energy Materials, 2017, 7, 1700232.	19.5	82
255	Self-Assembled Conjugated Polymer/Chitosan-graft-Oleic Acid Micelles for Fast Visible Detection of Aliphatic Biogenic Amines by â€œTurn-Onâ€•FRET. ACS Applied Materials & Interfaces, 2017, 9, 22875-22884.	8.0	63
256	Crossâ€Linkable and Dual Functional Hybrid Polymeric Electron Transporting Layer for Highâ€Performance Inverted Polymer Solar Cells. Advanced Materials, 2017, 29, 1701507.	21.0	38
257	Self-Doped N-Type Water/Alcohol Soluble-Conjugated Polymers with Tailored Backbones and Polar Groups for Highly Efficient Polymer Solar Cells. Solar Rrl, 2017, 1, 1700055.	5.8	46
258	Fluorescent Supramolecular Polymers Based on Pillar[5]arene for OLED Device Fabrication. ACS Macro Letters, 2017, 6, 647-651.	4.8	43
259	Interface design for high-efficiency non-fullerene polymer solar cells. Energy and Environmental Science, 2017, 10, 1784-1791.	30.8	187
260	Highâ€Performance Nonfullerene Polymer Solar Cells based on Imideâ€Functionalized Wideâ€Bandgap Polymers. Advanced Materials, 2017, 29, 1606396.	21.0	147
261	Perovskite hybrid solar cells with a fullerene derivative electron extraction layer. Journal of Materials Chemistry C, 2017, 5, 4190-4197.	5.5	24
262	Regioregular narrow-bandgap-conjugated polymers for plastic electronics. Nature Communications, 2017, 8, 14047.	12.8	182
263	Optimisation of processing solvent and molecular weight for the production of green-solvent-processed all-polymer solar cells with a power conversion efficiency over 9%. Energy and Environmental Science, 2017, 10, 1243-1251.	30.8	346
264	Towards a bright future: polymer solar cells with power conversion efficiencies over 10%. Science China Chemistry, 2017, 60, 571-582.	8.2	109
265	Novel perylene diimide based polymeric electron-acceptors containing ethynyl as the Ï€-bridge for all-polymer solar cells. Organic Electronics, 2017, 45, 227-233.	2.6	31
266	Dual Interfacial Modifications Enable High Performance Semitransparent Perovskite Solar Cells with Large Open Circuit Voltage and Fill Factor. Advanced Energy Materials, 2017, 7, 1602333.	19.5	209
267	Quaternisation-polymerized N-type polyelectrolytes: synthesis, characterisation and application in high-performance polymer solar cells. Materials Horizons, 2017, 4, 88-97.	12.2	93
268	Non-planar perylenediimide acceptors with different geometrical linker units for efficient non-fullerene organic solar cells. Journal of Materials Chemistry A, 2017, 5, 1713-1723.	10.3	54
269	Microwave-assisted one-pot three-component polymerization of alkynes, aldehydes and amines toward amino-functionalized optoelectronic polymers. Chinese Journal of Polymer Science (English Edition), 2017, 35, 269-281.	3.8	17
270	Improved Performance of Ternary Polymer Solar Cells Based on A Nonfullerene Electron Cascade Acceptor. Advanced Energy Materials, 2017, 7, 1602127.	19.5	108

#	Article	IF	Citations
271	Non-fullerene acceptors based on fused-ring oligomers for efficient polymer solar cells via complementary light-absorption. Journal of Materials Chemistry A, 2017, 5, 23926-23936.	10.3	65
272	Efficient All-Polymer Solar Cells Based on Conjugated Polymer Containing an Alkoxylated Imide-Functionalized Benzotriazole Unit. Macromolecules, 2017, 50, 8149-8157.	4.8	29
273	Regioisomeric Non-Fullerene Acceptors Containing Fluorobenzo[c][1,2,5]thiadiazole Unit for Polymer Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 37087-37093.	8.0	33
274	Naphthalene Diimide Based n-Type Conjugated Polymers as Efficient Cathode Interfacial Materials for Polymer and Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 36070-36081.	8.0	39
275	Counterion-tunable n-type conjugated polyelectrolytes for the interface engineering of efficient polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 19447-19455.	10.3	34
276	Thick Film Polymer Solar Cells Based on Naphtho[1,2â€c:5,6â€c]bis[1,2,5]thiadiazole Conjugated Polymers with Efficiency over 11%. Advanced Energy Materials, 2017, 7, 1700944.	19.5	136
277	The effect of end-capping groups in A-D-A type non-fullerene acceptors on device performance of organic solar cells. Science China Chemistry, 2017, 60, 1458-1467.	8.2	32
278	Conjugated Polymers Based on Difluorobenzoxadiazole toward Practical Application of Polymer Solar Cells. Advanced Energy Materials, 2017, 7, 1702033.	19.5	39
279	Enhanced Photovoltaic Performance of Ternary Polymer Solar Cells by Incorporation of a Narrow-Bandgap Nonfullerene Acceptor. Chemistry of Materials, 2017, 29, 8177-8186.	6.7	63
280	Synergic Interface and Optical Engineering for Highâ€Performance Semitransparent Polymer Solar Cells. Advanced Energy Materials, 2017, 7, 1701121.	19.5	50
281	Self-doped n-type small molecular electron transport materials for high-performance organic solar cells. Science China Chemistry, 2017, 60, 1136-1144.	8.2	45
282	Ternary Solar Cells Based on Two Small Molecule Donors with Same Conjugated Backbone: The Role of Good Miscibility and Hole Relay Process. ACS Applied Materials & Interfaces, 2017, 9, 29917-29923.	8.0	45
283	Non-fullerene polymer solar cells with V_{OC} > 1 V based on fluorinated quinoxaline unit conjugated polymers. Journal of Materials Chemistry C, 2017, 5, 8774-8781.	5.5	29
284	Layerâ€byâ€Layer Assembly of Multilayer Thin Films for Organic Optoelectronic Devices. Small Methods, 2017, 1, 1700264.	8.6	39
285	Allâ€Polymer Solar Cells Based on a Conjugated Polymer Containing Siloxaneâ€Functionalized Side Chains with Efficiency over 10%. Advanced Materials, 2017, 29, 1703906.	21.0	332
286	Novel donorâ€“acceptor type conjugated polymers based on quinoxalino[6,5-f]quinoxaline for photovoltaic applications. Materials Chemistry Frontiers, 2017, 1, 499-506.	5.9	28
287	Toward Solution-Processed High-Performance Polymer Solar Cells: from Material Design to Device Engineering. Chemistry of Materials, 2017, 29, 141-148.	6.7	122
288	Diethynylbenzo[1,2â€b:4,5â€bâ€²]dithopheneâ€based small molecule and crossâ€conjugated copolymers for organic solar cells. Journal of Polymer Science Part A, 2017, 55, 660-671.	2.3	3

#	Article	IF	Citations
289	Sky-blue phosphorescent organic light-emitting diodes with dibenzo-24-crown-8 substituted iridium(III) complexes as the dopants. Dyes and Pigments, 2017, 138, 77-82.	3.7	9
290	Toward High Efficiency Polymer Solar Cells: Influence of Local Chemical Environment and Morphology. Advanced Energy Materials, 2017, 7, 1601081.	19.5	43
291	Naphthalene Diimide-Based Polymers Consisting of Amino Alkyl Side Groups:Three-Component One-Pot Polymerization and Their Application in Polymer Solar Cells. Acta Chimica Sinica, 2017, 75, 808.	1.4	13
292	Polymer Solar Cells: Crosslinkable Aminoâ€Functionalized Conjugated Polymer as Cathode Interlayer for Efficient Inverted Polymer Solar Cells (Adv. Energy Mater. 11/2016). Advanced Energy Materials, 2016, 6, .	19.5	8
293	Synthesis of mediumâ€bandgap Ï€â€Conjugated polymers based on isomers of 5â€Alkylphenanthridinâ€6(5H)â€one and 6â€Alkoxylphenanthridine. Journal of Polymer Science Part A, 2016, 54, 2119-2127.	2.3	10
294	Highâ€Performance Polymer Tandem Solar Cells Employing a New nâ€Type Conjugated Polymer as an Interconnecting Layer. Advanced Materials, 2016, 28, 4817-4823.	21.0	156
295	Aminoâ€Functionalized Conjugated Polymer as an Efficient Electron Transport Layer for Highâ€Performance Planarâ€Heterojunction Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1501534.	19.5	278
296	Crosslinkable Aminoâ€Functionalized Conjugated Polymer as Cathode Interlayer for Efficient Inverted Polymer Solar Cells. Advanced Energy Materials, 2016, 6, 1502563.	19.5	62
297	Multiâ€Lengthâ€Scale Morphologies Driven by Mixed Additives in Porphyrinâ€Based Organic Photovoltaics. Advanced Materials, 2016, 28, 4727-4733.	21.0	251
298	Improving Film Formation and Photovoltage of Highly Efficient Invertedâ€Type Perovskite Solar Cells through the Incorporation of New Polymeric Hole Selective Layers. Advanced Energy Materials, 2016, 6, 1502021.	19.5	152
299	High Efficiency CdS/CdSe Quantum Dot Sensitized Solar Cells with Two ZnSe Layers. ACS Applied Materials & Interfaces, 2016, 8, 34482-34489.	8.0	85
300	Non-conjugated water/alcohol soluble polymers with different oxidation states of sulfide as cathode interlayers for high-performance polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 4288-4295.	5.5	16
301	Solar Cells: Aminoâ€Functionalized Conjugated Polymer as an Efficient Electron Transport Layer for Highâ€Performance Planarâ€Heterojunction Perovskite Solar Cells (Adv. Energy Mater. 5/2016). Advanced Energy Materials, 2016, 6, .	19.5	8
302	New fullerene design enables efficient passivation of surface traps in high performance p-i-n heterojunction perovskite solar cells. Nano Energy, 2016, 26, 7-15.	16.0	89
303	Dimesitylboryl-functionalized tetraphenylethene derivatives: efficient solid-state luminescent materials with enhanced electron-transporting ability for nondoped OLEDs. Journal of Materials Chemistry C, 2016, 4, 5241-5247.	5.5	33
304	Effect of Monofluoro Substitution on the Optoelectronic Properties of Benzo[c][1,2,5]thiadiazole Based Organic Semiconductors. Macromolecules, 2016, 49, 5806-5816.	4.8	22
305	Highâ€Performance Polymer Solar Cells Based on a Wideâ€Bandgap Polymer Containing Pyrrolo[3,4â€f]benzotriazoleâ€5,7â€dione with a Power Conversion Efficiency of 8.63%. Advanced Science, 2016, 3, 1600032.	11.2	69
306	A Novel Naphtho[1,2â€c:5,6â€câ€²]Bis([1,2,5]Thiadiazole)â€Based Narrowâ€Bandgap Ï€â€Conjugated Polymer with Power Conversion Efficiency Over 10%. Advanced Materials, 2016, 28, 9811-9818.	21.0	230

#	Article	IF	Citations
307	Improved Morphology and Efficiency of Polymer Solar Cells by Processing Donorâ€“Acceptor Copolymer Additives. Advanced Functional Materials, 2016, 26, 6479-6488.	14.9	36
308	Design, synthesis and photovoltaic properties of a series of new acceptor-pended conjugated polymers. Science China Chemistry, 2016, 59, 1583-1592.	8.2	11
309	New insight of molecular interaction, crystallization and phase separation in higher performance small molecular solar cells via solvent vapor annealing. Nano Energy, 2016, 30, 639-648.	16.0	77
310	Recent advances in high performance solution processed WOLEDs for solid-state lighting. Journal of Materials Chemistry C, 2016, 4, 10993-11006.	5.5	84
311	A Difluorobenzoxadiazole Building Block for Efficient Polymer Solar Cells. Advanced Materials, 2016, 28, 1868-1873.	21.0	125
312	Novel iridium complexes as yellow phosphorescent emitters for single-layer yellow and white polymer light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 6626-6633.	5.5	13
313	The incorporation of thermionic emission and work function tuning layer into intermediate connecting layer for high performance tandem organic solar cells. Nano Energy, 2016, 21, 123-132.	16.0	23
314	n-Type Water/Alcohol-Soluble Naphthalene Diimide-Based Conjugated Polymers for High-Performance Polymer Solar Cells. Journal of the American Chemical Society, 2016, 138, 2004-2013.	13.7	525
315	Energyâ€Level Alignment at the Organic/Electrode Interface in Organic Optoelectronic Devices. Advanced Functional Materials, 2016, 26, 129-136.	14.9	60
316	Effects of pyridyl group orientations on the optoelectronic properties of regio-isomeric diketopyrrolopyrrole based Ï€-conjugated polymers. Journal of Materials Chemistry C, 2016, 4, 2470-2479.	5.5	13
317	Acenaphtho[1,2- b]quinoxaline diimides derivative as a potential small molecule non-fullerene acceptor for organic solar cells. Organic Electronics, 2016, 30, 176-181.	2.6	27
318	Morphology Evolution in Highâ€Performance Polymer Solar Cells Processed from Nonhalogenated Solvent. Advanced Science, 2015, 2, 1500095.	11.2	60
319	A New Interconnecting Layer of Metal Oxide/Dipole Layer/Metal Oxide for Efficient Tandem Organic Solar Cells. Advanced Energy Materials, 2015, 5, 1500631.	19.5	37
320	Optimizing Lightâ€Harvesting Polymers via Side Chain Engineering. Advanced Functional Materials, 2015, 25, 6458-6469.	14.9	33
321	Highâ€Performance Polymer Solar Cells with Electrostatic Layerâ€byâ€Layer Selfâ€Assembled Conjugated Polyelectrolytes as the Cathode Interlayer. Advanced Materials, 2015, 27, 3607-3613.	21.0	111
322	Efficient non-fullerene polymer solar cells enabled by tetrahedron-shaped core based 3D-structure small-molecular electron acceptors. Journal of Materials Chemistry A, 2015, 3, 13632-13636.	10.3	100
323	Deep Absorbing Porphyrin Small Molecule for High-Performance Organic Solar Cells with Very Low Energy Losses. Journal of the American Chemical Society, 2015, 137, 7282-7285.	13.7	436
324	Synthesis of two-dimensional Ï€-conjugated polymers pendent with benzothiadiazole and naphtho[1,2-c:5,6-c]bis[1,2,5]thiadiazole moieties for polymer solar cells. Science China Chemistry, 2015, 58, 257-266.	8.2	29

#	Article	IF	Citations
325	Water/alcohol soluble conjugated polymers for the interface engineering of highly efficient polymer light-emitting diodes and polymer solar cells. Chemical Communications, 2015, 51, 5572-5585.	4.1	156
326	Efficient and low-temperature processed perovskite solar cells based on a cross-linkable hybrid interlayer. Journal of Materials Chemistry A, 2015, 3, 18483-18491.	10.3	55
327	White light-emitting diodes based on an all-phosphorescent supramolecular polymer. Polymer Chemistry, 2015, 6, 6202-6207.	3.9	23
328	Dithienosilole-benzothiadiazole-based ternary copolymers with a D₁â€“Aâ€“D₂â€“A structure for polymer solar cells. Polymer Chemistry, 2015, 6, 4154-4161.	3.9	23
329	A Series of Simple Oligomer-like Small Molecules Based on Oligothiophenes for Solution-Processed Solar Cells with High Efficiency. Journal of the American Chemical Society, 2015, 137, 3886-3893.	13.7	788
330	Red-Emitting DPSB-Based Conjugated Polymer Nanoparticles with High Two-Photon Brightness for Cell Membrane Imaging. ACS Applied Materials & Interfaces, 2015, 7, 6754-6763.	8.0	50
331	An alcohol soluble amino-functionalized organoplatinum(<scp>ii</scp>) complex as the cathode interlayer for highly efficient polymer solar cells. Journal of Materials Chemistry C, 2015, 3, 4372-4379.	5.5	28
332	Solution processed thick film organic solar cells. Polymer Chemistry, 2015, 6, 8081-8098.	3.9	86
333	Terthiophene-Based Dâ€“A Polymer with an Asymmetric Arrangement of Alkyl Chains That Enables Efficient Polymer Solar Cells. Journal of the American Chemical Society, 2015, 137, 14149-14157.	13.7	386
334	The influence of amino group on PCDTBT-based and P3HT-based polymer solar cells: Hole trapping processes. Applied Physics Letters, 2015, 106, .	3.3	16
335	In-situ synthesis of metal nanoparticle-polymer composites and their application as efficient interfacial materials for both polymer and planar heterojunction perovskite solar cells. Organic Electronics, 2015, 27, 46-52.	2.6	23
336	One-step coating inverted polymer solar cells using a conjugated polymer as an electron extraction additive. Journal of Materials Chemistry A, 2015, 3, 20500-20507.	10.3	23
337	Metallohalide perovskiteâ€“polymer composite film for hybrid planar heterojunction solar cells. RSC Advances, 2015, 5, 775-783.	3.6	76
338	Small-molecule solar cells with efficiency over 9%. Nature Photonics, 2015, 9, 35-41.	31.4	769
339	Synthesis and Photovoltaic Performance of Water/Alcohol Soluble Small Phorphyrin Derivatives for Polymer Solar Cells. Acta Chimica Sinica, 2015, 73, 1153.	1.4	12
340	Enhanced Photovoltaic Performance by Modulating Surface Composition in Bulk Heterojunction Polymer Solar Cells Based on PBDTTTâ€Câ€T/PC₇₁BM. Advanced Materials, 2014, 26, 4043-4049.	21.0	203
341	High efficiency solution processed inverted white organic light emitting diodes with a cross-linkable amino-functionalized polyfluorene as a cathode interlayer. Journal of Materials Chemistry C, 2014, 2, 3270-3277.	5.5	41
342	Creation of Bifunctional Materials: Improve Electronâ€Transporting Ability of Light Emitters Based on AIEâ€Active 2,3,4,5â€Tetraphenylsiloles. Advanced Functional Materials, 2014, 24, 3621-3630.	14.9	123

#	Article	IF	Citations
343	Highâ€Efficiency Allâ€Polymer Solar Cells Based on a Pair of Crystalline Lowâ€Bandgap Polymers. Advanced Materials, 2014, 26, 7224-7230.	21.0	228
344	High-detectivity inverted near-infrared polymer photodetectors using cross-linkable conjugated polyfluorene as an electron extraction layer. Journal of Materials Chemistry C, 2014, 2, 9592-9598.	5.5	38
345	Chain Length Dependence of the Photovoltaic Properties of Monodisperse Donorâ€“Acceptor Oligomers as Model Compounds of Polydisperse Low Band Gap Polymers. Advanced Functional Materials, 2014, 24, 7538-7547.	14.9	58
346	Effect of Fluorine Content in Thienothiophene-Benzodithiophene Copolymers on the Morphology and Performance of Polymer Solar Cells. Chemistry of Materials, 2014, 26, 3009-3017.	6.7	136
347	Highly Efficient Inverted Polymer Solar Cells Based on a Cross-linkable Water-/Alcohol-Soluble Conjugated Polymer Interlayer. ACS Applied Materials & Interfaces, 2014, 6, 10429-10435.	8.0	155
348	Highâ€Performance Inverted Organic Photovoltaics with Over 1â€Î¼m Thick Active Layers. Advanced Energy Materials, 2014, 4, 1400378.	19.5	83
349	[1,2,5]Thiadiazolo[3,4-f]benzotriazole based narrow band gap conjugated polymers with photocurrent response up to 1.1Î¼m. Organic Electronics, 2013, 14, 2459-2467.	2.6	34
350	Toward green solvent processable photovoltaic materials for polymer solar cells: the role of highly polar pendant groups in charge carrier transport and photovoltaic behavior. Energy and Environmental Science, 2013, 6, 3022.	30.8	158
351	Recent advances in water/alcohol-soluble Ï€-conjugated materials: new materials and growing applications in solar cells. Chemical Society Reviews, 2013, 42, 9071.	38.1	437
352	High-Efficiency Polymer Solar Cells via the Incorporation of an Amino-Functionalized Conjugated Metallopolymer as a Cathode Interlayer. Journal of the American Chemical Society, 2013, 135, 15326-15329.	13.7	321
353	Conjugated zwitterionic polyelectrolyte-based interface modification materials for high performance polymer optoelectronic devices. Chemical Science, 2013, 4, 1298.	7.4	116
354	Plasmonic Electrically Functionalized TiO₂ for Highâ€Performance Organic Solar Cells. Advanced Functional Materials, 2013, 23, 4255-4261.	14.9	138
355	Solution-Processed High-Detectivity Near-Infrared Polymer Photodetectors Fabricated by a Novel Low-Bandgap Semiconducting Polymer. Journal of Physical Chemistry C, 2013, 117, 6537-6543.	3.1	63
356	Novel cyclometalated platinum (II) complex containing carrier-transporting groups: Synthesis, luminescence and application in single dopant white PLEDs. Dyes and Pigments, 2013, 96, 732-737.	3.7	19
357	Domain Purity, Miscibility, and Molecular Orientation at Donor/Acceptor Interfaces in High Performance Organic Solar Cells: Paths to Further Improvement. Advanced Energy Materials, 2013, 3, 864-872.	19.5	283
358	Supramolecular Phosphorescent Polymer Iridium Complexes for High-Efficiency Organic Light-Emitting Diodes. Chemistry of Materials, 2013, 25, 1013-1019.	6.7	55
359	All-solution processed polymer light-emitting diode displays. Nature Communications, 2013, 4, 1971.	12.8	287
360	A Series of New Mediumâ€Bandgap Conjugated Polymers Based on Naphtho[1,2â€c:5,6â€c]bis(2â€octylâ€[1,2,3]triazole) for Highâ€Performance Polymer Solar Cells. Advanced Materials, 2013, 25, 3683-3688.	21.0	125

#	Article	IF	Citations
361	Conjugated Polymers: Conjugated Polymer Nanoparticles with Ag+ -Sensitive Fluorescence Emission: A New Insight into the Cooperative Recognition Mechanism (Part. Part. Syst. Charact. 11/2013). Particle and Particle Systems Characterization, 2013, 30, 914-914.	2.3	0
362	Optical and electrical effects of gold nanoparticles in the active layer of polymer solar cells. Journal of Materials Chemistry, 2012, 22, 1206-1211.	6.7	222
363	Inverted polymer solar cells with 8.4% efficiency by conjugated polyelectrolyte. Energy and Environmental Science, 2012, 5, 8208.	30.8	616
364	Recent development of pushâ€“pull conjugated polymers for bulk-heterojunction photovoltaics: rational design and fine tailoring of molecular structures. Journal of Materials Chemistry, 2012, 22, 10416.	6.7	462
365	Amino Nâ€Oxide Functionalized Conjugated Polymers and their Aminoâ€Functionalized Precursors: New Cathode Interlayers for Highâ€Performance Optoelectronic Devices. Advanced Functional Materials, 2012, 22, 2846-2854.	14.9	101
366	Polymer Solar Cells with a Lowâ€Temperatureâ€Annealed Solâ€“Gelâ€Derived MoO_x Film as a Hole Extraction Layer. Advanced Energy Materials, 2012, 2, 523-527.	19.5	97
367	Highly Efficient Inverted Polymer Solar Cells Based on an Alcohol Soluble Fullerene Derivative Interfacial Modification Material. Chemistry of Materials, 2012, 24, 1682-1689.	6.7	106
368	Alkali metal salts doped pluronic block polymers as electron injection/transport layers for high performance polymer light-emitting diodes. Science China Chemistry, 2012, 55, 766-771.	8.2	9
369	Performance Study of Water/Alcohol Soluble Polymer Interface Materials in Polymer Optoelectronic Devices. Acta Chimica Sinica, 2012, 70, 2489.	1.4	26
370	Highly Efficient Electron Injection from Indium Tin Oxide/Cross-Linkable Amino-Functionalized Polyfluorene Interface in Inverted Organic Light Emitting Devices. Chemistry of Materials, 2011, 23, 4870-4876.	6.7	112
371	Materials and Devices toward Fully Solution Processable Organic Light-Emitting Diodes. Chemistry of Materials, 2011, 23, 326-340.	6.7	399
372	Improved High-Efficiency Organic Solar Cells via Incorporation of a Conjugated Polyelectrolyte Interlayer. Journal of the American Chemical Society, 2011, 133, 8416-8419.	13.7	540
373	Donorâ€“Acceptor Conjugated Polymer Based on Naphtho[1,2-c:5,6-c]bis[1,2,5]thiadiazole for High-Performance Polymer Solar Cells. Journal of the American Chemical Society, 2011, 133, 9638-9641.	13.7	598
374	Synthesis of Quinoxaline-Based Donorâ€“Acceptor Narrow-Band-Gap Polymers and Their Cyclized Derivatives for Bulk-Heterojunction Polymer Solar Cell Applications. Macromolecules, 2011, 44, 894-901.	4.8	127
375	Two-dimensional like conjugated copolymers for high efficiency bulk-heterojunction solar cell application: Band gap and energy level engineering. Science China Chemistry, 2011, 54, 685-694.	8.2	33
376	A novel crosslinkable electron injection/transporting material for solution processed polymer light-emitting diodes. Science China Chemistry, 2011, 54, 1745-1749.	8.2	40
377	Bandgap engineering of indenofluoreneâ€based conjugated copolymers with pendant donorâ€“acceptor chromophores for photovoltaic applications. Journal of Polymer Science Part A, 2011, 49, 4406-4415.	2.3	21
378	Conjugated Zwitterionic Polyelectrolytes and Their Neutral Precursor as Electron Injection Layer for Highâ€Performance Polymer Lightâ€Emitting Diodes. Advanced Materials, 2011, 23, 1665-1669.	21.0	108

#	Article	IF	Citations
379	Interface Engineering for Organic Electronics. Advanced Functional Materials, 2010, 20, 1371-1388.	14.9	859
380	Origin of the enhanced open-circuit voltage in polymer solar cells via interfacial modification using conjugated polyelectrolytes. Journal of Materials Chemistry, 2010, 20, 2617.	6.7	222
381	Water/alcohol soluble conjugated polymers as highly efficient electron transporting/injection layer in optoelectronic devices. Chemical Society Reviews, 2010, 39, 2500.	38.1	431
382	Triphenylamine and Fluorene Based Cationic Conjugated Polyelectrolytes: Synthesis and Characterization. Macromolecular Chemistry and Physics, 2009, 210, 150-160.	2.2	6
383	Anionic triphenylamineâ€•and fluoreneâ€based conjugated polyelectrolyte as a holeâ€transporting material for polymer lightâ€emitting diodes. Polymer International, 2009, 58, 373-379.	3.1	16
384	A Simple and Effective Way of Achieving Highly Efficient and Thermally Stable Bulk-Heterojunction Polymer Solar Cells Using Amorphous Fullerene Derivatives as Electron Acceptor. Chemistry of Materials, 2009, 21, 2598-2600.	6.7	191
385	Development of New Conjugated Polymers with Donorâ˜Ï€-Bridgeâ˜'Acceptor Side Chains for High Performance Solar Cells. Journal of the American Chemical Society, 2009, 131, 13886-13887.	13.7	335
386	Synthesis, optical and electroluminescent properties of novel polyfluorene/carbazole-based conjugated polyelectrolytes and their precursors. Frontiers of Optoelectronics in China, 2008, 1, 299-304.	0.2	3
387	Crosslinkable hole-transporting materials for solution processed polymer light-emitting diodes. Journal of Materials Chemistry, 2008, 18, 4495.	6.7	157
388	High-efficiency and solution processible multilayer white polymer light-emitting diodes using neutral conjugated surfactant as an electron injection layer. Applied Physics Letters, 2008, 92, 063303.	3.3	33
389	Lithium salt doped conjugated polymers as electron transporting materials for highly efficient blue polymer light-emitting diodes. Applied Physics Letters, 2008, 93, .	3.3	31
390	Synthesis of novel triphenylamine-based conjugated polyelectrolytes and their application as hole-transport layers in polymeric light-emitting diodes. Journal of Materials Chemistry, 2006, 16, 2387.	6.7	80
391	Efficient ultraviolet-blue polymer light-emitting diodes based on a fluorene-based non-conjugated polymer. Applied Physics Letters, 2006, 89, 081104.	3.3	25
392	Conjugated Fluorene and Silole Copolymers:â€‰ Synthesis, Characterization, Electronic Transition, Light Emission, Photovoltaic Cell, and Field Effect Hole Mobility. Macromolecules, 2005, 38, 2253-2260.	4.8	161
393	High-Efficiency, Environment-Friendly Electroluminescent Polymers with Stable High Work Function Metal as a Cathode:Â Green- and Yellow-Emitting Conjugated Polyfluorene Polyelectrolytes and Their Neutral Precursors. Journal of the American Chemical Society, 2004, 126, 9845-9853.	13.7	309
394	Novel Electroluminescent Conjugated Polyelectrolytes Based on Polyfluorene. Chemistry of Materials, 2004, 16, 708-716.	6.7	574
395	Halogen-free Polymer Donors Based on 3,4-Dicyanothiophene for High-performance Polymer Solar Cells. Chinese Journal of Polymer Science (English Edition), 0, , 1.	3.8	2
396	Rationally regulating the terminal unit and copolymerization spacer of polymerized small-molecule acceptors for all-polymer solar cells with high open-circuit voltage over 1.10 V. Journal of Materials Chemistry A, 0, , .	10.3	6