Yong Zhang

List of Publications by Year in Descending Order

129 papers	5,902 citations	39 h-index	74 g-index
131 ext. papers	6,341 ext. citations	6.5 avg, IF	5.54 L-index

#	Paper	IF	Citations
129	Dual-acceptor thermally activated delayed fluorescence emitters: Achieving high efficiency and long lifetime in orange-red OLEDs. *Chemical Engineering Journal*, **2022**, 434, 134728	14.7	2
128	Novel A-A-D type perylene diimide acceptor for high-performance fullerene-free organic solar cells. *Synthetic Metals*, **2022**, 286, 117054	3.6	1
127	Fluorinated phenanthrenequinoxaline-based D-A type copolymers for non-fullerene polymer solar cells. *Polymer*, **2022**, 250, 124867	3.9	
126	Pyrimidine-based thermally activated delayed fluorescent materials with unique asymmetry for highly-efficient organic light-emitting diodes. *Dyes and Pigments*, **2022**, 203, 110373	4.6	1
125	Benzo[1,2-:4,5-]difuran Polymer-Based Non-Fullerene Organic Solar Cells: The Roles of Non-Fullerene Acceptors and Molybdenum Oxide on Their Ambient Stabilities and Processabilities. *ACS Applied Materials & Interfaces*, **2021**, 13, 15448-15458	9.5	10
124	UV-light-assisted NO2 gas sensor based on WS2/PbS heterostructures with full recoverability and reliable anti-humidity ability. *Sensors and Actuators B: Chemical*, **2021**, 339, 129902	8.5	16
123	Boosting photovoltaic performance of ternary organic solar cells by integrating a multi-functional guest acceptor. *Nano Energy*, **2021**, 90, 106538	17.1	16
122	Multifunctional Perylenediimide-Based Cathode Interfacial Materials for High-Performance Inverted Perovskite Solar Cells. *ACS Applied Energy Materials*, **2021**, 4, 13657-13665	6.1	1
121	Highly efficient non-fullerene polymer solar cells from a benzo[1,2-b:4,5-b?]difuran-based conjugated polymer with improved stabilities. *Journal of Materials Chemistry A*, **2020**, 8, 11381-11390	13	10
120	Indacenodifuran-Based Non-Fullerene Electron Acceptors for Efficient Polymer Solar Cells. *ACS Applied Energy Materials*, **2020**, 3, 6133-6138	6.1	7
119	Realizing Efficient Single Organic Molecular White Light-Emitting Diodes from Conformational Isomerization of Quinazoline-Based Emitters. *ACS Applied Materials & Interfaces*, **2020**, 12, 14233-14243	9.5	29
118	A self-powered ultraviolet photodetector based on TiO2/Ag/ZnS nanotubes with high stability and fast response. *Journal of Materials Chemistry C*, **2020**, 8, 1353-1358	7.1	13
117	Halogenation on benzo[1,2-b:4,5-b?]difuran polymers for solvent additive-free non-fullerene polymer solar cells with efficiency exceeding 11%. *Journal of Materials Chemistry C*, **2020**, 8, 139-146	7.1	8
116	A novel quasi-two-dimensional fused-perylenediimide electron acceptor for solvent additive-free non-fullerene organic solar cells. *Dyes and Pigments*, **2020**, 175, 108119	4.6	8
115	Integrated linker-regulation and ring-fusion engineering for efficient additive-free non-fullerene organic solar cells. *Journal of Materials Chemistry C*, **2020**, 8, 12516-12526	7.1	8
114	Recent advances of non-fullerene organic electron transport materials in perovskite solar cells. *Journal of Materials Chemistry A*, **2020**, 8, 20819-20848	13	9
113	Stable deep blue organic light emitting diodes with CIE of y Chinese Chemical Letters, **2020**, 31, 1188-1192	9.1	9

112	Side-chain effect on the photovoltaic performance of conjugated polymers based on benzodifuran and benzodithiophene-4,8-dione. *MRS Advances*, **2019**, 4, 2001-2007	0.7	
111	Optimal Sr-Doped Free TiO2@SrTiO3 Heterostructured Nanowire Arrays for High-Efficiency Self-Powered Photoelectrochemical UV Photodetector Applications. *Crystals*, **2019**, 9, 134	2.3	4
110	Modification of TiO2 Nanowire Arrays with Sn Doping as Photoanode for Highly Efficient Dye-Sensitized Solar Cells. *Crystals*, **2019**, 9, 113	2.3	12
109	Molecular engineering of thermally activated delayed fluorescence emitters to concurrently achieve high performance and reduced efficiency roll-off in organic light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 9966-9974	7.1	11
108	Chain Engineering of Benzodifuran-Based Wide-Bandgap Polymers for Efficient Non-Fullerene Polymer Solar Cells. *Macromolecular Rapid Communications*, **2019**, 40, e1900227	4.8	13
107	Manipulating Polymer Donors Toward a High-Performance Polymer Acceptor Based On a Fused Perylenediimide Building Block With a Built-In Twisting Configuration. *ACS Applied Materials & Interfaces*, **2019**, 11, 29765-29772	9.5	10
106	Highly Efficient Organic Room-Temperature Phosphorescent Luminophores through Tuning Triplet States and Spin-Orbit Coupling with Incorporation of a Secondary Group. *Journal of Physical Chemistry Letters*, **2019**, 10, 7141-7147	6.4	14
105	Quinazoline-Based Thermally Activated Delayed Fluorecence for High-Performance OLEDs with External Quantum Efficiencies Exceeding 20%. *Advanced Optical Materials*, **2019**, 7, 1801496	8.1	17
104	Fusion or non-fusion of quasi-two-dimensional fused perylene diimide acceptors: the importance of molecular geometry for fullerene-free organic solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 27493-27502	13	14
103	High efficiency, high color rendering index white organic light-emitting diodes based on thermally activated delayed fluorescence materials. *Applied Physics Letters*, **2019**, 115, 263302	3.4	8
102	Efficiency improvement of TiO2 nanowire arrays based dye-sensitized solar cells through further enhancing the specific surface area. *Journal of Crystal Growth*, **2019**, 505, 62-68	1.6	8
101	Efficient post-treatment-free polymer solar cells from indacenodithiophene and fluorinated quinoxaline-based conjugated polymers. *Dyes and Pigments*, **2018**, 154, 164-171	4.6	5
100	High-Performance All-Polymer Solar Cells Achieved by Fused Perylenediimide-Based Conjugated Polymer Acceptors. *ACS Applied Materials & Interfaces*, **2018**, 10, 15962-15970	9.5	35
99	Highly efficient blue organic light-emitting diodes from pyrimidine-based thermally activated delayed fluorescence emitters. *Journal of Materials Chemistry C*, **2018**, 6, 2351-2359	7.1	41
98	Two-dimensional benzo[1,2-b:4,5-b?]difuran-based wide bandgap conjugated polymers for efficient fullerene-free polymer solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 4023-4031	13	30
97	Cancer Cell Membrane-Biomimetic Nanoprobes with Two-Photon Excitation and Near-Infrared Emission for Intravital Tumor Fluorescence Imaging. *ACS Nano*, **2018**, 12, 1350-1358	16.7	71
96	Indaceno-Based Conjugated Polymers for Polymer Solar Cells. *Macromolecular Rapid Communications*, **2018**, 39, e1700697	4.8	20
95	Synthesis of an indacenodithiophene-based fully conjugated ladder polymer and its optical and electronic properties. *Polymer Chemistry*, **2018**, 9, 2227-2231	4.9	7

94	Wide-Bandgap Conjugated Polymers Based on Alkylthiofuran-Substituted Benzo[1,2-b:4,5-b?]difuran for Efficient Fullerene-Free Polymer Solar Cells. *Macromolecules*, **2018**, 51, 2498-2505	5.5	20
93	An Asymmetrical Polymer Based on Thieno[2,3-f]benzofuran for Efficient Fullerene-Free Polymer Solar Cells. *ACS Applied Energy Materials*, **2018**, 1, 1888-1892	6.1	17
92	Effect of MgO Surface Modification on the TiO2 Nanowires Electrode for Self-Powered UV Photodetectors. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7265-7272	8.3	26
91	A facile and green template-engaged synthesis of PbSe nanotubes with the assistance of Vc. *CrystEngComm*, **2018**, 20, 5570-5575	3.3	3
90	Comparison of Three n-Type Copolymers Based on Benzodithiophene and Naphthalene Diimide/Perylene Diimide/Fused Perylene Diimides for All-Polymer Solar Cells Application. *ACS Applied Materials & Interfaces*, **2018**, 10, 23263-23269	9.5	19
89	Novel perylene diimide-based polymers with electron-deficient segments as the comonomer for efficient all-polymer solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 414-422	13	54
88	Simultaneous near-infrared and green fluorescence from single conjugated polymer dots with aggregation-induced emission fluorogen for cell imaging. *Journal of Materials Chemistry B*, **2018**, 6, 7871-7876	7.3	7
87	Asymmetrical vs Symmetrical Selenophene-Annulated Fused Perylenediimide Acceptors for Efficient Non-Fullerene Polymer Solar Cells. *ACS Applied Energy Materials*, **2018**, 1, 6577-6585	6.1	30
86	A facile route to synthesis of double-sided TiO2 nanotube arrays for photocatalytic activity. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 468-473	2.1	2
85	Atomic intermixing and segregation at the interface of InAs/GaSb type II superlattices. *Superlattices and Microstructures*, **2017**, 104, 390-396	2.8	7
84	Highly Promoting the Performances of Polymer Light-Emitting Diodes via Control of the Residue of a Polar Solvent on an Emissive Layer. *ACS Applied Materials & Interfaces*, **2017**, 9, 18399-18404	9.5	6
83	Fused Perylene Diimide-Based Polymeric Acceptors for Efficient All-Polymer Solar Cells. *Macromolecules*, **2017**, 50, 7559-7566	5.5	57
82	ZnO nanorod arrays grown on an AlN buffer layer and their enhanced ultraviolet emission. *CrystEngComm*, **2017**, 19, 6085-6088	3.3	4
81	Synthesis and Photovoltaic Properties of a Copolymer based on thieno [2, 3-f] benzofuran and thienopyrroledione. *IOP Conference Series: Materials Science and Engineering*, **2017**, 274, 012161	0.4	1
80	Efficient polymer solar cells based on poly(thieno[2,3- f]benzofuran- co -thienopyrroledione) with a high open circuit voltage exceeding 1 V. *Dyes and Pigments*, **2017**, 146, 543-550	4.6	15
79	Highly fluorescent hyperbranched BODIPY-based conjugated polymer dots for cellular imaging. *Chemical Communications*, **2017**, 53, 8612-8615	5.8	21
78	Quinoxaline-based conjugated polymers for polymer solar cells. *Polymer Chemistry*, **2017**, 8, 4613-4636	4.9	62
77	Synthesis, characterization and photovoltaic properties of dithienobenzodithiophene-based conjugated polymers. *Dyes and Pigments*, **2017**, 137, 50-57	4.6	11

76	The effect of annealing temperature on the optical and electrical properties of cubic MgZnO films grown by RF magnetron sputtering. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 1644-1651	2.1	2
75	Annealing-induced interfacial atomic intermixing in InAs/GaSb type II superlattices. *Applied Physics Letters*, **2017**, 111, 172101	3.4	2
74	Recent Development on Narrow Bandgap Conjugated Polymers for Polymer Solar Cells. *Polymers*, **2017**, 9,	4.5	32
73	Wide Band Gap Polymer Based on Indacenodithiophene and Acenaphthoquinoxaline for Efficient Polymer Solar Cells Application. *Polymers*, **2017**, 9,	4.5	8
72	Utilizing intermixing of conjugated polymer and fullerene from sequential solution processing for efficient polymer solar cells. *Organic Electronics*, **2016**, 36, 82-88	3.5	7
71	Side chain effect on poly(beznodithiophene-co-dithienobenzoquinoxaline) and their applications for polymer solar cells. *Polymer*, **2016**, 82, 228-237	3.9	17
70	Interface optimization and fabrication of InAs/GaSb type II superlattice for very long wavelength infrared photodetectors. *Superlattices and Microstructures*, **2016**, 91, 238-243	2.8	11
69	Hydrothermal synthesis of a 3D double-sided comb-like ZnO nanostructure and its growth mechanism analysis. *Chemical Communications*, **2016**, 52, 8231-4	5.8	18
68	Fabrication and improved photocatalytic activity of n-ZnO nanorod arrays/p-CuO thin film heterojunction. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 8753-8757	2.1	2
67	High mobility multibit nonvolatile memory elements based organic field effect transistors with large hysteresis. *Organic Electronics*, **2016**, 35, 53-58	3.5	8
66	Investigations of quantum efficiency in type-II InAs/GaSb very long wavelength infrared superlattice detectors. *Superlattices and Microstructures*, **2016**, 92, 330-336	2.8	6
65	Ultralong Rutile TiO2 Nanowire Arrays for Highly Efficient Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 13384-91	9.5	43
64	Investigation of dark current mechanisms on type-II InAs/GaSb superlattice very long wavelength infrared detectors. *Journal Physics D: Applied Physics*, **2016**, 49, 165105	3	5
63	Alcohol-Soluble n-Type Conjugated Polyelectrolyte as Electron Transport Layer for Polymer Solar Cells. *Macromolecules*, **2015**, 48, 5578-5586	5.5	92
62	Squaraine-based polymer dots with narrow, bright near-infrared fluorescence for biological applications. *Journal of the American Chemical Society*, **2015**, 137, 173-8	16.4	126
61	Zinc-doped SnO2 nanocrystals as photoanode materials for highly efficient dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 8076-8082	13	35
60	Light-induced Crosslinkable Semiconducting Polymer Dots. *Chemical Science*, **2015**, 6, 2102-2109	9.4	19
59	Yellow Fluorescent Semiconducting Polymer Dots with High Brightness, Small Size, and Narrow Emission for Biological Applications. *ACS Macro Letters*, **2014**, 3, 1051-1054	6.6	17

58	Side-Chain Effect on Cyclopentadithiophene/Fluorobenzothiadiazole-Based Low Band Gap Polymers and Their Applications for Polymer Solar Cells. *Macromolecules*, **2013**, 46, 5497-5503	5.5	89
57	Highly luminescent, fluorinated semiconducting polymer dots for cellular imaging and analysis. *Chemical Communications*, **2013**, 49, 8256-8	5.8	36
56	Synthesis and simultaneously enhanced photovoltaic property of poly[4,4,9,9-tetra(4-octyloxyphenyl)-2,7-indaceno[1,2-b:5,6-b?]dithiophene-alt-2,5-thieno[3,2-b]thiophene]. *Polymer*, **2013**, 54, 607-613	3.9	17
55	Multicolor fluorescent semiconducting polymer dots with narrow emissions and high brightness. *ACS Nano*, **2013**, 7, 376-84	16.7	169
54	Significant Improved Performance of Photovoltaic Cells Made from a Partially Fluorinated Cyclopentadithiophene/Benzothiadiazole Conjugated Polymer. *Macromolecules*, **2012**, 45, 5427-5435	5.5	173
53	Improved thin film morphology and bulk-heterojunction solar cell performance through systematic tuning of the surface energy of conjugated polymers. *Journal of Materials Chemistry*, **2012**, 22, 5587		68
52	Tunable light-harvesting polymers containing embedded dipolar chromophores for polymer solar cell applications. *Journal of Polymer Science Part A*, **2012**, 50, 1362-1373	2.5	17
51	High-Performance Inverted Polymer Solar Cells: Device Characterization, Optical Modeling, and Hole-Transporting Modifications. *Advanced Functional Materials*, **2012**, 22, 2804-2811	15.6	56
50	Chemically Doped and Cross-linked Hole-Transporting Materials as an Efficient Anode Buffer Layer for Polymer Solar Cells. *Chemistry of Materials*, **2011**, 23, 5006-5015	9.6	63
49	High-mobility low-bandgap conjugated copolymers based on indacenodithiophene and thiadiazolo[3,4-c]pyridine units for thin film transistor and photovoltaic applications. *Journal of Materials Chemistry*, **2011**, 21, 13247		94
48	Conjugated polymers based on C, Si and N-bridged dithiophene and thienopyrroledione units: synthesis, field-effect transistors and bulk heterojunction polymer solar cells. *Journal of Materials Chemistry*, **2011**, 21, 3895		105
47	Indacenodithiophene and Quinoxaline-Based Conjugated Polymers for Highly Efficient Polymer Solar Cells. *Chemistry of Materials*, **2011**, 23, 2289-2291	9.6	303
46	Increased open circuit voltage in fluorinated benzothiadiazole-based alternating conjugated polymers. *Chemical Communications*, **2011**, 47, 11026-8	5.8	225
45	Synthesis, Characterization, Charge Transport, and Photovoltaic Properties of Dithienobenzoquinoxaline- and Dithienobenzopyridopyrazine-Based Conjugated Polymers. *Macromolecules*, **2011**, 44, 4752-4758	5.5	106
44	Optoelectronic properties of new functionalized heteroleptic iridium complex. *Central South University*, **2011**, 18, 63-67		
43	Benzobis(silolothiophene)-Based Low Bandgap Polymers for Efficient Polymer Solar Cells *Chemistry of Materials*, **2011**, 23, 765-767	9.6	98
42	Highly efficient indacenodithiophene-based polymeric solar cells in conventional and inverted device configurations. *Organic Electronics*, **2011**, 12, 794-801	3.5	38
41	Enhancing the performance of polymer light-emitting diode via methanol treatment. *Journal of Luminescence*, **2011**, 131, 756-759	3.8	2

40	Effect of Chemical Modification of Fullerene-Based Self-Assembled Monolayers on the Performance of Inverted Polymer Solar Cells. *ACS Applied Materials & Interfaces*, **2010**, 2, 1892-1902	9.5	157
39	Conjugated polyelectrolyte based fluorescence turn-on assay for real-time monitoring of protease activity. *Analytical Chemistry*, **2010**, 82, 8604-10	7.8	71
38	Effect of methanol treatment on performance of phosphorescent dye doped polymer light-emitting diodes. *Synthetic Metals*, **2010**, 160, 2381-2384	3.6	4
37	Efficient Polymer Solar Cells Based on the Copolymers of Benzodithiophene and Thienopyrroledione. *Chemistry of Materials*, **2010**, 22, 2696-2698	9.6	334
36	Peptide-mediated energy transfer between an anionic water-soluble conjugated polymer and Texas red labeled DNA for protease and nuclease activity study. *Analytical Chemistry*, **2009**, 81, 3731-7	7.8	43
35	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	9.6	185
34	Development of new conjugated polymers with donor-pi-bridge-acceptor side chains for high performance solar cells. *Journal of the American Chemical Society*, **2009**, 131, 13886-7	16.4	310
33	Interpolyelectrolyte Complexes of Anionic Water-Soluble Conjugated Polymers and Proteins as Platforms for Multicolor Protein Sensing and Quantification. *Macromolecules*, **2008**, 41, 4003-4011	5.5	73
32	Thermally Cross-Linkable Hole-Transporting Materials on Conducting Polymer: Synthesis, Characterization, and Applications for Polymer Light-Emitting Devices. *Chemistry of Materials*, **2008**, 20, 413-422	9.6	104
31	Anionic benzothiadiazole containing polyfluorene and oligofluorene as organic sensitizers for dye-sensitized solar cells. *Chemical Communications*, **2008**, 3789-91	5.8	48
30	Synthesis and Properties of Electrophosphorescent Conjugated Polymers Containing Iridium Complexes in Polymer Backbone. *Chemistry Letters*, **2008**, 37, 742-743	1.7	1
29	Highly Efficient White Polymer Light-Emitting Diodes Based on Nanometer-Scale Control of the Electron Injection Layer Morphology through Solvent Processing. *Advanced Materials*, **2008**, 20, 1565-1570	24	95
28	Synthesis and properties of novel electrophosphorescent conjugated polyfluorenes based on aminoalkyl-fluorene and bipyridine with rhenium(I) complexes. *Polymer*, **2008**, 49, 1211-1219	3.9	26
27	Asymmetrically 9,10-disubstituted anthracenes as soluble and stable blue electroluminescent molecular glasses. *Organic Electronics*, **2008**, 9, 649-655	3.5	31
26	Synthesis and characterization of a water-soluble carboxylated polyfluorene and its fluorescence quenching by cationic quenchers and proteins. *Chemistry - an Asian Journal*, **2008**, 3, 739-45	4.5	39
25	Synthesis and optoelectronic characterization of conjugated phosphorescent polyelectrolytes with a neutral Ir complex incorporated into the polymer backbone and their neutral precursors. *Journal of Materials Chemistry*, **2007**, 17, 992-1001		36
24	Bright red light-emitting devices based on a novel europium complex doped into polyvinylcarbazole. *New Journal of Chemistry*, **2007**, 31, 569	3.6	33
23	High-efficiency polymer photovoltaic devices from regioregular-poly(3-hexylthiophene-2,5-diyl) and [6,6]-phenyl-C61-butyric acid methyl ester processed with oleic acid surfactant. *Applied Physics Letters*, **2007**, 90, 183512	3.4	97

22	High-efficiency electrophosphorescent copolymers containing charged iridium complexes in the side chains. *Chemistry - A European Journal*, **2007**, 13, 7432-42	4.8	41
21	Novel chemosensory materials based on polyfluorenes with 2-(2?-pyridyl)-benzimidazole and 5-methyl-3-(pyridin-2-yl)-1,2,4-triazole groups in the side chain. *Polymer*, **2007**, 48, 1245-1254	3.9	15
20	Phosphorescent chelating polyelectrolytes and their neutral precursors: Synthesis, characterizations, photoluminescence and electroluminescence. *Polymer*, **2007**, 48, 3468-3476	3.9	17
19	Synthesis and characterization of highly fluorescent europium functionalized □diketonate complexes. *Journal of Luminescence*, **2007**, 124, 51-57	3.8	39
18	Enhanced Electroluminescent Efficiency Based on Functionalized Europium Complexes in Polymer Light-Emitting Diodes. *Chinese Physics Letters*, **2007**, 24, 1376-1379	1.8	3
17	Synthesis of Conjugated Polyphenylene Dendritic □Diketones. *Chinese Journal of Chemistry*, **2006**, 24, 1631-1638	4.9	7
16	Anthracene-Cored Dendrimer for Solution-Processible Blue Emitter: Syntheses, Characterizations, Photoluminescence, and Electroluminescence. *Macromolecular Rapid Communications*, **2006**, 27, 914-920	4.8	30
15	Electrophosphorescent Chelating Copolymers Based on Linkage Isomers of Naphthylpyridine□Iridium Complexes with Fluorene. *Macromolecules*, **2006**, 39, 1693-1700	5.5	92
14	Poly(3,6-silafluorene-co-2,7-fluorene)-based high-efficiency and color-pure blue light-emitting polymers with extremely narrow band-width and high spectral stability. *Journal of Materials Chemistry*, **2006**, 16, 4133		90
13	Potential solution processible phosphorescent iridium complexes toward applications in doped light-emitting diodes: rapid syntheses and optical and morphological characterizations. *Journal of Organic Chemistry*, **2006**, 71, 6281-4	4.2	45
12	Deep-Red Electroluminescent Polymers: Synthesis and Characterization of New Low-Band-Gap Conjugated Copolymers for Light-Emitting Diodes and Photovoltaic Devices. *Macromolecules*, **2005**, 38, 244-253	5.5	367
11	Near infrared polymer light-emitting diodes. *Science Bulletin*, **2005**, 50, 957		14
10	Improved device efficiency and color purity: Spectral redshift and line narrowing for poly [2-methoxy,5-(2-ethylhexyloxy)-1,4-phenylenevinylene] via blending with phenyl-substituted poly [p-phenylene vinylene] derivatives. *Applied Physics Letters*, **2004**, 85, 5170-5172	3.4	17
9	Synthesis and Electroluminescent Properties of High-Efficiency Saturated Red Emitter Based on Copolymers from Fluorene and 4,7-Di(4-hexylthien-2-yl)-2,1,3-benzothiadiazole. *Macromolecules*, **2004**, 37, 6299-6305	5.5	232
8	High-Efficiency Saturated Red Emitting Polymers Derived from Fluorene and Naphthoselenadiazole. *Macromolecules*, **2004**, 37, 1211-1218	5.5	163
7	Giant extended pi-conjugated dendrimers containing the 10,15-dihydro-5H-diindeno[1,2-a;1?,2?c]fluorene chromophore: synthesis, NMR behaviors, optical properties, and electroluminescence. *Journal of Organic Chemistry*, **2004**, 69, 6050-8	4.2	78
6	Revealing the role of solvent additives in morphology and energy loss in benzodifuran polymer-based non-fullerene organic solar cells. *Journal of Materials Chemistry A*,	13	10
5	Achieving small non-radiative energy loss through synergically non-fullerene electron acceptor selection and side chain engineering in benzo[1,2-b:4,5-b?]difuran polymer-based organic solar cells. *Journal of Materials Chemistry A*,	13	7

4	High-performance as-cast non-fullerene polymer solar cells from benzo[1,2-b:4,5-b?]difuran polymer via a rational copolymer design. *Journal of Materials Chemistry C*,	7.1	2
3	Recent Progress of Benzodifuran-Based Polymer Donors for High-Performance Organic Photovoltaics. *Small Science*,2200006		3
2	Engineering Non-fullerene Acceptors as a Mechanism to Control Film Morphology and Energy Loss in Organic Solar Cells. *Energy & Fuels*,	4.1	3
1	A High-Performance Self-Powered UV-Visible-Infrared Broadband Photodetector Based on a Solution-Processed Bi 2 Se 3 /Se Nanorods Heterojunction. *Advanced Materials Interfaces*,2200165	4.6	1