

# Lei Ying

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7725393/lei-ying-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

216  
papers

9,376  
citations

48  
h-index

90  
g-index

223  
ext. papers

10,587  
ext. citations

9.1  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
216	Achieving over 16% efficiency for single-junction organic solar cells. <i>Science China Chemistry</i> , <b>2019</b> , 62, 746-752	7.9	723
215	High-mobility field-effect transistors fabricated with macroscopic aligned semiconducting polymers. <i>Advanced Materials</i> , <b>2014</b> , 26, 2993-8	24	481
214	White polymer light-emitting devices for solid-state lighting: materials, devices, and recent progress. <i>Advanced Materials</i> , <b>2014</b> , 26, 2459-73	24	430
213	Progress and perspective of polymer white light-emitting devices and materials. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 3391-400	58.5	376
212	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%. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1243-1251	35.4	307
211	All-Polymer Solar Cells Based on a Conjugated Polymer Containing Siloxane-Functionalized Side Chains with Efficiency over 10. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703906	24	294
210	Efficient Organic Solar Cell with 16.88% Efficiency Enabled by Refined Acceptor Crystallization and Morphology with Improved Charge Transfer and Transport Properties. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1904234	21.8	252
209	Fine-tuning of the chemical structure of photoactive materials for highly efficient organic photovoltaics. <i>Nature Energy</i> , <b>2018</b> , 3, 1051-1058	62.3	235
208	A generic green solvent concept boosting the power conversion efficiency of all-polymer solar cells to 11%. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 157-163	35.4	219
207	A Novel Naphtho[1,2-c:5,6-c']Bis([1,2,5]Thiadiazole)-Based Narrow-Bandgap $\pi$ -Conjugated Polymer with Power Conversion Efficiency Over 10. <i>Advanced Materials</i> , <b>2016</b> , 28, 9811-9818	24	207
206	High mobility field effect transistors based on macroscopically oriented regioregular copolymers. <i>Nano Letters</i> , <b>2012</b> , 12, 6353-7	11.5	193
205	Regioregular pyridal[2,1,3]thiadiazole $\pi$ -conjugated copolymers. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 18538-41	16.4	191
204	Aggregation-Induced Multilength Scaled Morphology Enabling 11.76% Efficiency in All-Polymer Solar Cells Using Printing Fabrication. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902899	24	183
203	14.4% efficiency all-polymer solar cell with broad absorption and low energy loss enabled by a novel polymer acceptor. <i>Nano Energy</i> , <b>2020</b> , 72, 104718	17.1	177
202	Molecular doping enhances photoconductivity in polymer bulk heterojunction solar cells. <i>Advanced Materials</i> , <b>2013</b> , 25, 7038-44	24	160
201	Regioregular narrow-bandgap-conjugated polymers for plastic electronics. <i>Nature Communications</i> , <b>2017</b> , 8, 14047	17.4	157
200	High-Performance Nonfullerene Polymer Solar Cells based on Imide-Functionalized Wide-Bandgap Polymers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606396	24	135

199	A series of new medium-bandgap conjugated polymers based on naphtho[1,2-c:5,6-c]bis(2-octyl-[1,2,3]triazole) for high-performance polymer solar cells. <i>Advanced Materials</i> , <b>2013</b> , 25, 3683-8	24	118
198	Thick Film Polymer Solar Cells Based on Naphtho[1,2-c:5,6-c]bis[1,2,5]thiadiazole Conjugated Polymers with Efficiency over 11%. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700944	21.8	115
197	Towards a bright future: polymer solar cells with power conversion efficiencies over 10%. <i>Science China Chemistry</i> , <b>2017</b> , 60, 571-582	7.9	104
196	A Universal Fluorinated Polymer Acceptor Enables All-Polymer Solar Cells with >15% Efficiency. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3702-3707	20.1	98
195	High-Performance Thick-Film All-Polymer Solar Cells Created Via Ternary Blending of a Novel Wide-Bandgap Electron-Donating Copolymer. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703085	21.8	97
194	Surpassing the 10% efficiency milestone for 1-cm all-polymer solar cells. <i>Nature Communications</i> , <b>2019</b> , 10, 4100	17.4	96
193	Low band gap conjugated polymers combining siloxane-terminated side chains and alkyl side chains: side-chain engineering achieving a large active layer processing window for PCE > 10% in polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 17619-17631	13	91
192	Improved Performance of Ternary Polymer Solar Cells Based on A Nonfullerene Electron Cascade Acceptor. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602127	21.8	90
191	Polymer Solar Cells: High-Performance Polymer Solar Cells Based on a Wide-Bandgap Polymer Containing Pyrrolo[3,4-f]benzotriazole-5,7-dione with a Power Conversion Efficiency of 8.63% (Adv. Sci. 9/2016). <i>Advanced Science</i> , <b>2016</b> , 3,	13.6	78
190	11.2% All-Polymer Tandem Solar Cells with Simultaneously Improved Efficiency and Stability. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803166	24	78
189	Ambient Processable and Stable All-Polymer Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806747	15.6	77
188	Recent advances in high performance solution processed WOLEDs for solid-state lighting. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10993-11006	7.1	72
187	Enhancement of spectral stability and efficiency on blue light-emitters via introducing dibenzothiophene-S,S-dioxide isomers into polyfluorene backbone. <i>Organic Electronics</i> , <b>2009</b> , 10, 901-909	3.5	70
186	Effect of Backbone Regioregularity on the Structure and Orientation of a Donor-Acceptor Semiconducting Copolymer. <i>Macromolecules</i> , <b>2014</b> , 47, 1403-1410	5.5	67
185	Design and Synthesis of Copolymers of Indacenodithiophene and Naphtho[1,2-c:5,6-c]bis(1,2,5-thiadiazole) for Polymer Solar Cells. <i>Macromolecules</i> , <b>2013</b> , 46, 3950-3958	5.5	65
184	Tailoring Regioisomeric Structures of Conjugated Polymers Containing Monofluorinated Bridges for Highly Efficient Polymer Solar Cells. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2087-2094	20.1	63
183	Novel white-light-emitting polyfluorenes with benzothiadiazole and Ir complex on the backbone. <i>Polymer</i> , <b>2009</b> , 50, 1430-1437	3.9	59
182	Enhanced Photovoltaic Performance of Ternary Polymer Solar Cells by Incorporation of a Narrow-Bandgap Nonfullerene Acceptor. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8177-8186	9.6	58

181	Non-fullerene acceptors based on fused-ring oligomers for efficient polymer solar cells via complementary light-absorption. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23926-23936	13	57
180	Donor-Acceptor Copolymers Based on Thermally Cleavable Indigo, Isoindigo, and DPP Units: Synthesis, Field Effect Transistors, and Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9038-51	9.5	57
179	Novel efficient blue and bluish-green light-emitting polymers with delayed fluorescence. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2690-2695	7.1	57
178	High-Performance Polymer Solar Cells Based on a Wide-Bandgap Polymer Containing Pyrrolo[3,4-]benzotriazole-5,7-dione with a Power Conversion Efficiency of 8.63. <i>Advanced Science</i> , <b>2016</b> , 3, 1600032	13.6	57
177	Morphology optimization via molecular weight tuning of donor polymer enables all-polymer solar cells with simultaneously improved performance and stability. <i>Nano Energy</i> , <b>2019</b> , 64, 103931	17.1	55
176	Narrow-Band-Gap Conjugated Polymers Based on 2,7-Dioctyl-Substituted Dibenzo[a,c]phenazine Derivatives for Polymer Solar Cells. <i>Macromolecules</i> , <b>2014</b> , 47, 2921-2928	5.5	55
175	Engineering the morphology via processing additives in multiple all-polymer solar cells for improved performance. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10421-10432	13	54
174	Novel green-light-emitting hyperbranched polymers with iridium complex as core and 3,6-carbazole-co-2,6-pyridine unit as branch. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 531-537		52
173	Novel light-emitting electrophosphorescent copolymers based on carbazole with an Ir complex on the backbone. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2824		52
172	Crosslinkable Amino-Functionalized Conjugated Polymer as Cathode Interlayer for Efficient Inverted Polymer Solar Cells. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502563	21.8	51
171	Optimizing Microstructure Morphology and Reducing Electronic Losses in 1 cm <sup>2</sup> Polymer Solar Cells to Achieve Efficiency over 15%. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2466-2472	20.1	50
170	Efficient and low-temperature processed perovskite solar cells based on a cross-linkable hybrid interlayer. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18483-18491	13	50
169	Designing ternary blend all-polymer solar cells with an efficiency of over 10% and a fill factor of 78%. <i>Nano Energy</i> , <b>2018</b> , 51, 434-441	17.1	50
168	The Density of States and the Transport Effective Mass in a Highly Oriented Semiconducting Polymer: Electronic Delocalization in 1D. <i>Advanced Materials</i> , <b>2015</b> , 27, 7759-65	24	46
167	Regioregular pyridyl[2,1,3]thiadiazole-co-indacenodithiophene conjugated polymers. <i>Chemical Communications</i> , <b>2013</b> , 49, 7192-4	5.8	39
166	Molecular packing control enables excellent performance and mechanical property of blade-cast all-polymer solar cells. <i>Nano Energy</i> , <b>2019</b> , 59, 277-284	17.1	39
165	Cationic Polyfluorene-b-Neutral Polyfluorene Rod-Rod-Diblock Copolymers. <i>Macromolecules</i> , <b>2012</b> , 45, 4441-4446	5.5	37
164	Improving the efficiency and stability of non-fullerene polymer solar cells by using N2200 as the Additive. <i>Nano Energy</i> , <b>2019</b> , 58, 724-731	17.1	36

163	Dark Current Reduction Strategy via a Layer-By-Layer Solution Process for a High-Performance All-Polymer Photodetector. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 8350-8356	9.5	36
162	Side-chain modification of polyethylene glycol on conjugated polymers for ternary blend all-polymer solar cells with efficiency up to 9.27%. <i>Science China Chemistry</i> , <b>2018</b> , 61, 427-436	7.9	36
161	Highly Efficient Tandem Organic Solar Cell Enabled by Environmentally Friendly Solvent Processed Polymeric Interconnecting Layer. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703180	21.8	36
160	Near-infrared organic photoelectric materials for light-harvesting systems: Organic photovoltaics and organic photodiodes. <i>Information Materials</i> , <b>2020</b> , 2, 57-91	23.1	36
159	Blue light-emitting hyperbranched polymers using fluorene-co-dibenzothiophene-S,S-dioxide as branches. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 1043-1051	2.5	34
158	Design and synthesis of star-burst triphenylamine-based $\pi$ -conjugated molecules. <i>Dyes and Pigments</i> , <b>2015</b> , 113, 1-7	4.6	33
157	Red light-emitting hyperbranched fluorene-alt-carbazole copolymers with an iridium complex as the core. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 2193	4.9	33
156	Crosslinkable triphenylamine-based hole-transporting polymers for solution-processed polymer light-emitting diodes. <i>Organic Electronics</i> , <b>2018</b> , 53, 35-42	3.5	33
155	The effect of methanol treatment on the performance of polymer solar cells. <i>Nanotechnology</i> , <b>2013</b> , 24, 484003	3.4	32
154	White Polymer Light-Emitting Diodes Based on Exciplex Electroluminescence from Polymer Blends and a Single Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6164-73	9.5	31
153	Wide bandgap dithienobenzodithiophene-based $\pi$ -conjugated polymers consisting of fluorinated benzotriazole and benzothiadiazole for polymer solar cells. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4719-4727	7.1	31
152	Understanding of Imine Substitution in Wide-Bandgap Polymer Donor-Induced Efficiency Enhancement in All-Polymer Solar Cells. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8533-8542	9.6	30
151	Efficient red-light-emitting diodes based on novel amino-alkyl containing electrophosphorescent polyfluorenes with Al or Au as cathode. <i>Organic Electronics</i> , <b>2009</b> , 10, 42-47	3.5	30
150	Regioisomeric Non-Fullerene Acceptors Containing Fluorobenzo[c][1,2,5]thiadiazole Unit for Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37087-37093	9.5	29
149	Synthesis of two-dimensional $\pi$ -conjugated polymers pendent with benzothiadiazole and naphtho[1,2-c:5,6-c']bis[1,2,5]thiadiazole moieties for polymer solar cells. <i>Science China Chemistry</i> , <b>2015</b> , 58, 257-266	7.9	28
148	Efficient All-Polymer Solar Cells Based on Conjugated Polymer Containing an Alkoxyated Imide-Functionalized Benzotriazole Unit. <i>Macromolecules</i> , <b>2017</b> , 50, 8149-8157	5.5	27
147	High-Performance All-Polymer Photodetectors via a Thick Photoactive Layer Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14208-14214	9.5	27
146	Improved Morphology and Efficiency of Polymer Solar Cells by Processing Donor-Acceptor Copolymer Additives. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6479-6488	15.6	27

- 145 In situ patterning of microgrooves via inkjet etching for a solution-processed OLED display. *Journal of Materials Chemistry C*, **2017**, 5, 5005-5009 7.1 26
- 144 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 3.5 26
- 143 [1,2,5]Thiadiazolo[3,4-f]benzotriazole based narrow band gap conjugated polymers with photocurrent response up to 1.1  $\mu\text{m}$ . *Organic Electronics*, **2013**, 14, 2459-2467 3.5 26
- 142 Novel orange-red light-emitting polymers with cyclometalated iridium complex grafted in alkyl chain. *Journal of Organometallic Chemistry*, **2009**, 694, 2727-2734 2.3 25
- 141 Polymer Pre-Aggregation Enables Optimal Morphology and High Performance in All-Polymer Solar Cells. *Solar Rrl*, **2020**, 4, 1900385 7.1 25
- 140 Novel perylene diimide based polymeric electron-acceptors containing ethynyl as the bridge for all-polymer solar cells. *Organic Electronics*, **2017**, 45, 227-233 3.5 24
- 139 Methanol treatment on low-conductive PEDOT:PSS to enhance the PLED's performance. *Organic Electronics*, **2016**, 28, 252-256 3.5 24
- 138 Achieving Efficient Thick Film All-polymer Solar Cells Using a Green Solvent Additive. *Chinese Journal of Polymer Science (English Edition)*, **2020**, 38, 323-331 3.5 24
- 137 8.0% Efficient all-polymer solar cells based on novel starburst polymer acceptors. *Science China Chemistry*, **2018**, 61, 576-583 7.9 23
- 136 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 7.1 23
- 135 Efficient white polymer light-emitting diodes from single polymer exciplex electroluminescence. *Journal of Materials Chemistry C*, **2017**, 5, 2397-2403 7.1 22
- 134 Improved efficiency of blue polymer light-emitting diodes using a hole transport material. *Journal of Materials Chemistry C*, **2017**, 5, 5096-5101 7.1 22
- 133 Highly efficient single-layer blue polymer light-emitting diodes based on hole-transporting group substituted poly(fluorene-co-dibenzothiophene-S,S-dioxide). *Journal of Materials Chemistry C*, **2017**, 5, 9680-9686 7.1 22
- 132 Novel, blue light-emitting polyfluorenes containing a fluorinated quinoxaline unit. *Dyes and Pigments*, **2009**, 82, 251-257 4.6 22
- 131 Improving electroluminescent performance of blue light-emitting poly(fluorene-co-dibenzothiophene-S,S-dioxide) by end-capping. *Organic Electronics*, **2017**, 48, 118-126 3.5 21
- 130 Hyperbranched red light-emitting phosphorescent polymers based on iridium complex as the core. *Journal of Luminescence*, **2015**, 167, 179-185 3.8 21
- 129 High-Performance Green Solvent Processed Ternary Blended All-Polymer Solar Cells Enabled by Complementary Absorption and Improved Morphology. *Solar Rrl*, **2018**, 2, 1800196 7.1 21
- 128 Improved electroluminescence efficiency of polyfluorenes by simultaneously incorporating dibenzothiophene-S,S-dioxide unit in main chain and oxadiazole moiety in side chain. *Polymer*, **2014**, 55, 1698-1706 3.9 21

127	Highly efficient red phosphorescent organic light-emitting diodes based on solution processed emissive layer. <i>Journal of Luminescence</i> , <b>2013</b> , 142, 35-39	3.8	21
126	Novel medium band gap conjugated polymers based on naphtho[1,2-c:5,6-c']bis[1,2,3]triazole for polymer solar cells. <i>Polymer</i> , <b>2015</b> , 67, 40-46	3.9	21
125	Effect of Monofluoro Substitution on the Optoelectronic Properties of Benzo[c][1,2,5]thiadiazole Based Organic Semiconductors. <i>Macromolecules</i> , <b>2016</b> , 49, 5806-5816	5.5	21
124	Dithienosilole-benzothiadiazole-based ternary copolymers with a D1A2A structure for polymer solar cells. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 4154-4161	4.9	20
123	Introducing cyclic alkyl chains into small-molecule acceptors for efficient polymer solar cells. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7046-7053	7.1	20
122	All-conjugated triblock polyelectrolytes. <i>Advanced Materials</i> , <b>2012</b> , 24, 6496-501	24	20
121	Efficient white emitting copolymers based on bipolar fluorene-co-dibenzothiophene-S,S-dioxide-co-carbazole backbone. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2013</b> , 31, 88-97	3.5	20
120	Chlorinated Fused Nonacyclic Non-Fullerene Acceptor Enables Efficient Large-Area Polymer Solar Cells with High Scalability. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 1022-1030	9.6	20
119	Constructing a new polymer acceptor enabled non-halogenated solvent-processed all-polymer solar cell with an efficiency of 13.8. <i>Chemical Communications</i> , <b>2021</b> , 57, 935-938	5.8	20
118	Carbazole-diphenylimidazole based bipolar material and its application in blue, green and red single layer OLEDs by solution processing. <i>Dyes and Pigments</i> , <b>2017</b> , 142, 175-182	4.6	19
117	Comprehensive Investigation and Analysis of Bulk-Heterojunction Microstructure of High-Performance PCE11:PCBM Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18555-18583	8.5	19
116	Effects of bridge units on the properties of indolo[3,2-b]carbazole-co-difluorobenzo[d][1,2,3]triazole based E-conjugated copolymers. <i>Organic Electronics</i> , <b>2015</b> , 23, 17-27	3.5	19
115	Improving efficiency and color purity of poly(9,9-dioctylfluorene) through addition of a high boiling-point solvent of 1-chloronaphthalene. <i>Nanotechnology</i> , <b>2016</b> , 27, 284001	3.4	19
114	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(6 H)-dione Moiety. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 22495-22503	9.5	19
113	Synthesis of donor-acceptor copolymers based on anthracene derivatives for polymer solar cells. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 3949	4.9	19
112	High-Performance Organic Field-Effect Transistors Fabricated Based on a Novel Ternary E-Conjugated Copolymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7315-7321	9.5	18
111	Highly efficient inkjet printed flexible organic light-emitting diodes with hybrid hole injection layer. <i>Organic Electronics</i> , <b>2020</b> , 85, 105822	3.5	18
110	Enabling High Efficiency of Hydrocarbon-Solvent Processed Organic Solar Cells through Balanced Charge Generation and Non-Radiative Loss. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101768	21.8	18

109	Recent progress in thick-film organic photovoltaic devices: Materials, devices, and processing. <i>SusMat</i> , <b>2021</b> , 1, 4-23		18
108	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. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6070-6076	7.1	17
107	Asymmetric Alkyl Side-Chain Engineering of Naphthalene Diimide-Based n-Type Polymers for Efficient All-Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1700765	4.8	17
106	Nanowires of indigo and isoindigo-based molecules with thermally removable groups. <i>Dyes and Pigments</i> , <b>2016</b> , 125, 54-63	4.6	17
105	Improving the efficiency and spectral stability of white-emitting polycarbazoles by introducing a dibenzothiophene-S,S-dioxide unit into the backbone. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7881	7.1	17
104	Recent Progresses of Iridium Complex-Containing Macromolecules for Solution-Processed Organic Light-Emitting Diodes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2014</b> , 24, 905-926 <sup>3,2</sup>		17
103	High-Detectivity Non-Fullerene Organic Photodetectors Enabled by a Cross-Linkable Electron Blocking Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45092-45100	9.5	17
102	Formation of poly(9,9-dioctylfluorene) $\beta$ phase by incorporating aromatic moiety in side chain. <i>Organic Electronics</i> , <b>2016</b> , 38, 130-138	3.5	17
101	Donor-Acceptor conjugated polymers based on cyclic imide substituted quinoxaline or dibenzo[a,c]phenazine for polymer solar cells. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7558-7569	4.9	16
100	An Alkane-Soluble Dendrimer as Electron-Transport Layer in Polymer Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 20237-42	9.5	16
99	Small molecular hole-transporting and emitting materials for hole-only green organic light-emitting devices. <i>Dyes and Pigments</i> , <b>2016</b> , 131, 41-48	4.6	16
98	Effects of flanked units on optoelectronic properties of diketopyrrolopyrrole based $\beta$ conjugated polymers. <i>Dyes and Pigments</i> , <b>2015</b> , 123, 64-71	4.6	15
97	Reconstruction of conjugated oligoelectrolyte electron injection layers. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12160-2	16.4	15
96	Lateral Polymer Photodetectors Using Silver Nanoparticles Promoted PffBT4T-2OD:PC61BM Composite. <i>ACS Photonics</i> , <b>2018</b> , 5, 4650-4659	6.3	15
95	Overcoming incompatibility of donors and acceptors by constructing planar heterojunction organic solar cells. <i>Nano Energy</i> , <b>2021</b> , 85, 105957	17.1	15
94	In Situ Structure Characterization in Slot-Die-Printed All-Polymer Solar Cells with Efficiency Over 9%. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900032	7.1	14
93	Sky-blue fluorescent small-molecules with high quantum efficiency: synthesis, structures, AIE properties, and applications in solution-processed non-doped OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3553-3559	7.1	14
92	Achieving highly efficient blue light-emitting polymers by incorporating a styrylarylene amine unit. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12355-12363	7.1	14



91	Synthesis of regioregular $\pi$ -conjugated polymers consisting of a lactam moiety via direct heteroarylation polymerization. <i>Chemical Communications</i> , <b>2017</b> , 53, 1997-2000	5.8	13
90	Microwave-assisted one-pot three-component polymerization of alkynes, aldehydes and amines toward amino-functionalized optoelectronic polymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2017</b> , 35, 269-281	3.5	13
89	Ultrahigh photosensitive organic phototransistors by photoelectric dual control. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4725-4732	7.1	13
88	Dual hole transport layers for blue-light-emitting PLED: Suppress the formation of exciplex towards high device performance and color purity. <i>Organic Electronics</i> , <b>2019</b> , 68, 103-107	3.5	13
87	The effects of solvent vapor annealing on the performance of blue polymer light-emitting diodes. <i>Organic Electronics</i> , <b>2015</b> , 27, 1-6	3.5	13
86	Enhanced performance of P3HT-based non-fullerene polymer solar cells by optimizing film morphology using non-halogenated solvent. <i>Organic Electronics</i> , <b>2020</b> , 82, 105701	3.5	13
85	Cross-conjugated n-type polymer acceptors for efficient all-polymer solar cells. <i>Chemical Communications</i> , <b>2018</b> , 54, 2204-2207	5.8	13
84	A thermally cross-linked hole-transporting film with the remarkable solvent resistance for solution-processed OLEDs. <i>Organic Electronics</i> , <b>2018</b> , 57, 345-351	3.5	13
83	Recent Progress in All-Polymer Solar Cells Based on Wide-Bandgap p-Type Polymers. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 3109-3118	4.5	13
82	Naphthalene Diimide-Based Polymers Consisting of Amino Alkyl Side Groups: Three-Component One-Pot Polymerization and Their Application in Polymer Solar Cells. <i>Acta Chimica Sinica</i> , <b>2017</b> , 75, 808	3.3	13
81	Design and synthesis of non-fullerene acceptors based on a quinoxalineimide moiety as the central building block for organic solar cells. <i>Chemical Communications</i> , <b>2020</b> , 56, 4700-4703	5.8	12
80	Phosphonium conjugated polyelectrolytes as interface materials for efficient polymer solar cells. <i>Organic Electronics</i> , <b>2018</b> , 57, 151-157	3.5	12
79	Synthesis and Photovoltaic Performance of Water/Alcohol Soluble Small Phorphyrin Derivatives for Polymer Solar Cells. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 1153	3.3	12
78	Copper Thiocyanate as an Anode Interfacial Layer for Efficient Near-Infrared Organic Photodetector. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 1027-1034	9.5	12
77	Organic/Inorganic Hybrid EIL for All-Solution-Processed OLEDs. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700380	6.4	11
76	Star-like n-type conjugated polymers based on naphthalenediimide for all-polymer solar cells. <i>Dyes and Pigments</i> , <b>2018</b> , 159, 85-91	4.6	11
75	Highly efficient blue polyfluorenes using blending materials as hole transport layer. <i>Organic Electronics</i> , <b>2017</b> , 51, 111-118	3.5	11
74	Toward Efficient Tandem Organic Solar Cells: From Materials to Device Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 39937-39947	9.5	11

73	Ultra-high Detectivity in Spatially Separated Hole/Electron Dual Traps Based Near-Infrared Organic Phototransistor. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002031	8.1	11
72	A solution-processed and low threshold voltage p-type small molecule based on indolocarbazole- and benzothiophene-fused rings. <i>Dyes and Pigments</i> , <b>2017</b> , 144, 32-40	4.6	10
71	Alcohol-Soluble Electron-Transport Materials for Fully Solution-Processed Green PhOLEDs. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1335-1341	4.5	10
70	Improved performance of non-fullerene polymer solar cells using wide-bandgap random terpolymers. <i>Organic Electronics</i> , <b>2018</b> , 57, 317-322	3.5	10
69	Synthesis and characterization of $\pi$ -conjugated copolymers based on alkyltriazolyl substituted benzodithiophene. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 4727-4734	3.6	10
68	Effects of pyridyl group orientations on the optoelectronic properties of regio-isomeric diketopyrrolopyrrole based $\pi$ -conjugated polymers. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 2470-2479	7.1	10
67	Novel aminoalkyl-functionalized blue-, green- and red-emitting polyfluorenes. <i>Organic Electronics</i> , <b>2014</b> , 15, 850-857	3.5	10
66	Novel Red Light-Emitting Fluorene-alt-Carbazole Copolymers with Carbazole N-Graft Cyclometalated Ir Complexes. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 457-466	2.6	10
65	Rational Design of Conjugated Polymers for d-Limonene Processed All-polymer Solar Cells with Small Energy Loss. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2020</b> , 38, 791-796	3.5	10
64	Synthesis of medium-bandgap $\pi$ -conjugated polymers based on isomers of 5-Alkylphenanthridin-6(5H)-one and 6-Alkoxyphenanthridine. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 2119-2127	2.5	10
63	Synthesis and properties of blue-light-emitting Oligo(fluorene-co-dibenzothiophene-S,S-dioxide)s. <i>Dyes and Pigments</i> , <b>2019</b> , 166, 502-514	4.6	9
62	Design and synthesis of an amino-functionalized non-fullerene acceptor as a cathode interfacial layer for polymer solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 5273-5279	7.1	9
61	The Br $\pi$ halogen bond assisted self-assembly of an asymmetric molecule regulated by concentration. <i>Chemical Communications</i> , <b>2020</b> , 56, 2727-2730	5.8	9
60	Synthesis and characterization of highly efficient solution-processable orange Ir(III) complexes for phosphorescent OLED applications. <i>Organic Electronics</i> , <b>2018</b> , 57, 178-185	3.5	9
59	Semi-orthogonal solution-processed polyfluorene derivative for multilayer blue polymer light-emitting diodes. <i>Organic Electronics</i> , <b>2018</b> , 54, 133-139	3.5	9
58	Deep-blue light-emitting polyfluorenes with asymmetrical naphthylthio-fluorene as Chromophores. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 171-182	2.5	9
57	Overcoming the morphological and efficiency limit in all-polymer solar cells by designing conjugated random copolymers containing a naphtho[1,2-c:5,6-c']bis([1,2,5]thiadiazole)] moiety. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23295-23300	13	9
56	Manipulating Film Morphology of All-Polymer Solar Cells by Incorporating Polymer Compatibilizer. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000148	7.1	8

55	Synthesis and properties of five ring fused aromatic compounds based on S,S-dioxide benzothiophene. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 2750-2757	3.6	8
54	Efficient $\pi$ -conjugated interrupted host polymer by metal-free polymerization for blue/green phosphorescent light-emitting diodes. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 1037-1046	2.5	8
53	Dibenzothiophene- S,S -dioxide based medium-band-gap polymers for efficient bulk heterojunction solar cells. <i>Organic Electronics</i> , <b>2014</b> , 15, 2950-2958	3.5	8
52	Efficient green electrophosphorescence with Al cathode using an effective electron-injecting polymer as the host. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 2785-8	9.5	8
51	Spectrally stable deep blue-emitting polyfluorenes containing dibenzothiophene-S,S-dioxide moiety. <i>Journal of Photonics for Energy</i> , <b>2012</b> , 2, 021212	1.2	8
50	Polymer Solar Cells: Crosslinkable Amino-Functionalized Conjugated Polymer as Cathode Interlayer for Efficient Inverted Polymer Solar Cells (Adv. Energy Mater. 11/2016). <i>Advanced Energy Materials</i> , <b>2016</b> , 6,	21.8	8
49	Fine Tuning Miscibility of Donor/Acceptor through Solid Additives Enables All-Polymer Solar Cells with 15.6% Efficiency. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100549	7.1	8
48	Improving the electroluminescence performance of blue light-emitting poly(fluorene-co-dibenzothiophene-S,S-dioxide) by tuning the intra-molecular charge transfer effects and temperature-induced orientation of the emissive layer structure. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5120-5128	7.1	7
47	In Vivo Bioimaging and Photodynamic Therapy Based on Two-Photon Fluorescent Conjugated Polymers Containing Dibenzothiophene-, -dioxide Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57281-57289	9.5	7
46	Halogen-Bond-Controlled Self-Assembly of Regioisomeric Phenanthridine Derivatives into Nanowires and Nanosheets. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 5665-5671	3.8	7
45	An efficient blue emitter based on a naphthalene indenofluorene core. <i>Organic Electronics</i> , <b>2018</b> , 55, 157-164	3.5	7
44	Ternary organic photodiodes with spectral response from 300 to 1200 nm for spectrometer application. <i>Science China Materials</i> , <b>2021</b> , 64, 2430-2438	7.1	7
43	Non-fullerene acceptors end-capped with an extended conjugation group for efficient polymer solar cells. <i>Organic Electronics</i> , <b>2018</b> , 59, 366-373	3.5	7
42	Tailoring $\pi$ -conjugated dithienosilole-Benzothiadiazole oligomers for organic solar cells. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 3658-3664	3.6	6
41	Efficient binary white light-emitting polymers grafted with iridium complexes as side groups. <i>RSC Advances</i> , <b>2015</b> , 5, 89888-89894	3.7	6
40	Efficient Non-fullerene Organic Solar Cells Enabled by Sequential Fluorination of Small-Molecule Electron Acceptors. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 303	5	6
39	Optimization of processing solvent and film morphology to achieve efficient non-fullerene polymer solar cells processed in air. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 270-275	7.1	6
38	Uniform inkjet-printed films with single solvent. <i>Thin Solid Films</i> , <b>2018</b> , 667, 21-27	2.2	6

37	Improving photovoltaic parameters of all-polymer solar cells through integrating two polymeric donors. <i>Science China Chemistry</i> , <b>2021</b> , 64, 2010	7.9	6
36	Improving the Electroluminescent Performance of Blue Light-Emitting Polymers by Side-Chain Modification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 8495-8502	9.5	5
35	Improving the Performance of Blue Polymer Light-Emitting Diodes Using a Hole Injection Layer with a High Work Function and Nanotexture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20750-20756	9.5	5
34	Efficient saturated red light-emitting polyfluorenes containing iridium complexes in side chains. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 179-186	3.6	5
33	White polymer light-emitting diodes with ultra-large color shifts for pulse-width-modulation applications. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10567-10573	7.1	5
32	Effect of Pyridyl Orientation on the Molecular Conformation and Self-Assembled Morphology of Regioisomeric Diketopyrrolopyrrole Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 19305-19313	3.8	5
31	Amino-containing saturated red light-emitting copolymers based on fluorene and carbazole units. <i>Dyes and Pigments</i> , <b>2008</b> , 78, 165-172	4.6	5
30	Efficient dendrimers based on naphthalene indenofluorene for two-photon fluorescent imaging in living cells and tissues. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 2160-2170	7.1	5
29	Processing a pyridyl-based polymeric additive for improved photovoltaic performance of a wide-bandgap $\pi$ -conjugated polymer. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8052-8060	7.1	5
28	Realizing efficient bipolar deep-blue light-emitting poly(2,7-carbazole) derivatives by suppressing intramolecular charge transfer. <i>Organic Electronics</i> , <b>2019</b> , 67, 34-42	3.5	5
27	An Open-Circuit Voltage and Power Conversion Efficiency Study of Fullerene Ternary Organic Solar Cells Based on Oligomer/Oligomer and Oligomer/Polymer. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700090	4.8	4
26	Effects of a random copolymer's component distribution on its opto-electronic properties. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6163-6168	7.1	4
25	Efficient Non-Fullerene Organic Solar Cells Based on a Wide-Bandgap Polymer Donor Containing an Alkylthiophenyl-Substituted Benzodithiophene Moiety. <i>ChemPhysChem</i> , <b>2019</b> , 20, 2668-2673	3.2	4
24	Modifying the organic/metal interface via solvent vapor annealing to enhance the performance of blue OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4784-4790	7.1	4
23	Energy level gradient trapping based on different work functions of ZnO enhancing response and stability for lateral photodetectors. <i>Organic Electronics</i> , <b>2020</b> , 86, 105883	3.5	4
22	Flexible ITO-free sky-blue polymer light-emitting diodes and printed polymer solar cells based on AgNW/PI transparent conductive electrode. <i>Flexible and Printed Electronics</i> , <b>2020</b> , 5, 014003	3.1	4
21	Self-Assembly Polymorphism of Regioisomeric Diketopyrrolopyrrole-Based $\pi$ -Conjugated Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 1185-1193	3.8	4
20	Conquering the morphology barrier of ternary all-polymer solar cells by designing random terpolymer for constructing efficient binary all-polymer solar cells. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135491	14.7	4

19	Intermolecular H $\cdots$ O $\cdots$ C bonds induced 2D self-assembly of thiophene based diketopyrrolopyrrole derivative. <i>Surface and Interface Analysis</i> , <b>2017</b> , 49, 735-739	1.5	3
18	Diethynylbenzo[1,2-b:4,5-b']dithiophene-based small molecule and cross-conjugated copolymers for organic solar cells. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 660-671	2.5	3
17	Tailoring the side chain of imide-functional benzotriazole based polymers to achieve internal quantum efficiency approaching 100%. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23519-23525	13	3
16	Novel electron transporting materials for highly efficient fully solution-processed green PhOLEDs with low rolls-off and drive voltage. <i>Dyes and Pigments</i> , <b>2018</b> , 158, 20-27	4.6	2
15	Wide bandgap poly(meta-styrene) derivatives containing pendant carbazolyl groups as hosts for efficient solution-processed organic light emitting diodes. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4449-4458	4.9	2
14	Review on Y6-Based Semiconductor Materials and Their Future Development via Machine Learning. <i>Crystals</i> , <b>2022</b> , 12, 168	2.3	2
13	Decoupling Complex Multi-Length-Scale Morphology in Non-Fullerene Photovoltaics with Nitrogen K-Edge Resonant Soft X-Ray Scattering. <i>Advanced Materials</i> , <b>2021</b> , e2107316	24	2
12	Efficient polyfluorene derivatives for blue light-emitting diodes enabled by tuning conjugation length of bulky chromophores. <i>Dyes and Pigments</i> , <b>2022</b> , 199, 110059	4.6	2
11	Efficient near-infrared anionic conjugated polyelectrolyte for photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10609-10615	7.3	2
10	Elucidating Halogen-Assisted Self-Assembly Enhanced Mechanochromic Aggregation-Induced Emission. <i>ChemPhotoChem</i> , <b>2021</b> , 5, 626-631	3.3	2
9	Highly efficient deep-blue light-emitting copolymers containing phenoxazine: enhanced device efficiency and lifetime by blending a hole transport molecule. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13859-13866	7.1	2
8	A universal strategy via polymerizing non-fullerene small molecule acceptors enables efficient all-polymer solar cells with >1 year excellent thermal stability. <i>Chemical Engineering Journal</i> , <b>2021</b> , 132714-7	14.7	2
7	Efficient deep-blue light-emitting polyfluorenes based on 9,9-dimethyl-9H-thioxanthene 10,10-dioxide isomers. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 1380-1392	2.4	1
6	Solution-processable bipolar S,S-dioxide-dibenzothiophene chromophores for single-layer organic light-emitting diodes. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 7741-7749	3.6	1
5	White-Emitting Polymers and Devices. <i>Green Energy and Technology</i> , <b>2010</b> , 37-78	0.6	1
4	Effect of alkyl side chain length on the electroluminescent performance of blue light-emitting poly(fluorene-co-dibenzothiophene-S,S-dioxide). <i>Dyes and Pigments</i> , <b>2021</b> , 187, 109139	4.6	1
3	P-224L: Late-News Poster: Inkjet-printed Hyperbranched Polymer and Temperature Control of the Dewetting Phenomenon. <i>Digest of Technical Papers SID International Symposium</i> , <b>2017</b> , 48, 1562-1564	0.5	1
2	Suppressing non-radiative loss via a low-cost solvent additive enables high-stable all-polymer solar cells with 16.13% efficiency. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136877	14.7	1

- 1 13.1: Invited Paper: Molecular Design of Efficient Blue Light-Emitting Polymers based on Dibenzothiophene-S,S-dioxide. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 183-183<sup>0.5</sup>