

# Ziyi Ge

## List of Publications by Year in Descending Order

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

127  
papers

4,672  
citations

32  
h-index

65  
g-index

133  
ext. papers

5,809  
ext. citations

10.4  
avg, IF

6.26  
L-index

#	Paper	IF	Citations
127	Converting thermally activated delayed fluorescence into hybridized local and charge-transfer via an addition acceptor moiety. <i>Organic Electronics</i> , <b>2022</b> , 100, 106365	3.5	1
126	AIE-active Emitters and Their Applications in OLEDs <b>2022</b> , 1-26		0
125	Rational tuning of intermolecular and intramolecular interactions enabling high-efficiency indoor organic photovoltaics. <i>Nano Energy</i> , <b>2022</b> , 99, 107414	17.1	1
124	A universal tactic of using Lewis-base polymer-CNTs composites as additives for high performance cm <sup>2</sup> -sized and flexible perovskite solar cells. <i>Science China Chemistry</i> , <b>2021</b> , 64, 281-292	7.9	4
123	Synergistic Effect of Lewis Base Polymers and Graphene in Enhancing the Efficiency of Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 3928-3936	6.1	9
122	Simple-Structured Blue Thermally Activated Delayed Fluorescence Emitter for Solution-Processed Organic Light-Emitting Diodes with External Quantum Efficiency of over 20. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 12305-12312	9.5	7
121	Recent progress of organic photovoltaics for indoor energy harvesting. <i>Nano Energy</i> , <b>2021</b> , 82, 105770	17.1	48
120	Understanding the Effect of Sequential Deposition Processing for High-Efficient Organic Photovoltaics to Harvest Sunlight and Artificial Light. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 20405-20416	9.5	7
119	Solvent Annealing Enables 15.39% Efficiency All-Small-Molecule Solar Cells through Improved Molecule Interconnection and Reduced Non-Radiative Loss. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100800	21.8	31
118	Crumple Durable Ultraflexible Organic Solar Cells with an Excellent Power-per-Weight Performance. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102694	15.6	24
117	Fine-Tuning the Dipole Moment of Asymmetric Non-Fullerene Acceptors Enabling Efficient and Stable Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23983-23992	9.5	13
116	A simple and effective method via PH1000 modified Ag-Nanowires electrode enable efficient flexible nonfullerene organic solar cells. <i>Organic Electronics</i> , <b>2021</b> , 94, 106172	3.5	1
115	Oxygen-induced defect-healing and photo-brightening of halide perovskite semiconductors: science and application. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 4379-4414	13	7
114	Achieving 10% efficiency in non-fullerene all-small-molecule organic solar cells without extra treatments. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10427-10436	13	6
113	Efficient Electron Transport Layer-Free Perovskite Solar Cells Enabled by Discontinuous Polar Molecular Films: A Story of New Materials and Old Ideas?. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 936-943	8.3	4
112	Conjugation-Induced Thermally Activated Delayed Fluorescence: Photophysics of a Carbazole-Benzophenone Monomer-to-Tetramer Molecular Series. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 1345-1354	2.8	4
111	Ultra-flexible light-permeable organic solar cells for the herbal photosynthetic growth. <i>Nano Energy</i> , <b>2021</b> , 86, 106044	17.1	14

110	TiCT/PEDOT:PSS Composite Interface Enables over 17% Efficiency Non-fullerene Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 45789-45797	9.5	4
109	Small-molecular donor guest achieves rigid 18.5% and flexible 15.9% efficiency organic photovoltaic via fine-tuning microstructure morphology. <i>Joule</i> , <b>2021</b> , 5, 2395-2407	27.8	54
108	High-Efficiency Thermal-Annealing-Free Organic Solar Cells Based on an Asymmetric Acceptor with Improved Thermal and Air Stability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57271-57280	9.5	26
107	Enhanced efficiency of organic solar cells via Si-based non-conjugated small-molecule electrolyte as cathode interlayer. <i>Organic Electronics</i> , <b>2020</b> , 85, 105863	3.5	2
106	Over 14% efficiency nonfullerene all-small-molecule organic solar cells enabled by improving the ordering of molecular donors via side-chain engineering. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 7405-7411	13.11	50
105	Understanding of perovskite crystal growth and film formation in scalable deposition processes. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 1653-1687	58.5	184
104	Polymer Featuring Thermally Activated Delayed Fluorescence as Emitter in Light-Emitting Electrochemical Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 6227-6234	6.4	6
103	Organic solar cells based on non-fullerene acceptors of nine fused-ring by modifying end groups. <i>Organic Electronics</i> , <b>2020</b> , 81, 105662	3.5	5
102	Foldable Semitransparent Organic Solar Cells for Photovoltaic and Photosynthesis. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000136	21.8	71
101	Bipolar fluorophores based on intramolecular charge-transfer moieties of sulfone for nondoped deep blue solution-processed organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2020</b> , 176, 108242	4.6	2
100	Synergistic Interface Energy Band Alignment Optimization and Defect Passivation toward Efficient and Simple-Structured Perovskite Solar Cell. <i>Advanced Science</i> , <b>2020</b> , 7, 1902656	13.6	41
99	Passivating Surface Defects of n-SnO <sub>2</sub> Electron Transporting Layer by InP/ZnS Quantum Dots: Toward Efficient and Stable Organic Solar Cells. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901245	6.4	20
98	Alkali Cation Doping for Improving the Structural Stability of 2D Perovskite in 3D/2D PSCs. <i>Nano Letters</i> , <b>2020</b> , 20, 1240-1251	11.5	47
97	Over 14% Efficiency Folding-Flexible ITO-free Organic Solar Cells Enabled by Eco-friendly Acid-Processed Electrodes. <i>IScience</i> , <b>2020</b> , 23, 100981	6.1	24
96	High efficiency ternary organic solar cells enabled by compatible dual-donor strategy with planar conjugated structures. <i>Science China Chemistry</i> , <b>2020</b> , 63, 917-923	7.9	19
95	13.34 % Efficiency Non-Fullerene All-Small-Molecule Organic Solar Cells Enabled by Modulating the Crystallinity of Donors via a Fluorination Strategy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2808-2815	16.4	114
94	13.34 % Efficiency Non-Fullerene All-Small-Molecule Organic Solar Cells Enabled by Modulating the Crystallinity of Donors via a Fluorination Strategy. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2830-2837	3.6	8
93	A symmetric nonpolar blue AIEgen as nondoped fluorescent OLED emitter with low efficiency roll-off. <i>Organic Electronics</i> , <b>2020</b> , 78, 105574	3.5	11

92	Annealing-free efficient organic solar cells via an alkylbenzene side-chain strategy of small-molecule electron acceptors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22155-22162	13	10
91	Efficient bipolar AIE emitters for high-performance nondoped OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11771-11777	7.1	9
90	Recent advances in high-efficiency organic solar cells fabricated by eco-compatible solvents at relatively large-area scale. <i>APL Materials</i> , <b>2020</b> , 8, 120901	5.7	20
89	Integrated linker-regulation and ring-fusion engineering for efficient additive-free non-fullerene organic solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 12516-12526	7.1	8
88	Imidazolium Ionic Liquid as Organic Spacer for Tuning the Excitonic Structure of 2D Perovskite Materials. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3617-3627	20.1	8
87	Efficiency enhancement of organic solar cells enabled by interface engineering of sol-gel zinc oxide with an oxadiazole-based material. <i>Organic Electronics</i> , <b>2020</b> , 76, 105483	3.5	12
86	Graphene:silver nanowire composite transparent electrode based flexible organic solar cells with 13.4% efficiency. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22021-22028	13	39
85	13.5% flexible organic solar cells achieved by robust composite ITO/PEDOT:PSS electrodes. <i>Materials Today Energy</i> , <b>2019</b> , 14, 100334	7	10
84	A novel polymer donor based on dithieno[2,3-d:2',3'-d']benzo[1,2-b:4,5-b']dithiophene for highly efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2646-2652	13	23
83	Bendable and foldable flexible organic solar cells based on Ag nanowire films with 10.30% efficiency. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3737-3744	13	35
82	Bilayered Oxide-Based Cognitive Memristor with Brain-Inspired Learning Activities. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900439	6.4	26
81	Efficient ternary organic solar cells based on a twin spiro-type non-fullerene acceptor. <i>Science Bulletin</i> , <b>2019</b> , 64, 1087-1094	10.6	8
80	Significant Efficiency Improvement Enabled by CdSe/ZnS Quantum Dot Modifier in Organic Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900117	7.1	5
79	Benzotriazole-Based Acceptor and Donors, Coupled with Chlorination, Achieve a High VOC of 1.24 V and an Efficiency of 10.5% in Fullerene-Free Organic Solar Cells. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3941-3947	9.6	175
78	Significant influence of halogenation on the energy levels and molecular configurations of polymers in DTBBDT-based polymer solar cells. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 1244-1252	7.8	13
77	Simple, Robust, and Going More Efficient: Recent Advance on Electron Transport Layer-Free Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900248	21.8	38
76	Low-voltage protonic/photonic synergic coupled oxide phototransistor. <i>Organic Electronics</i> , <b>2019</b> , 71, 31-35	3.5	12
75	Synthesis and photovoltaic properties of small molecule electron acceptors with twin spiro-type core structure. <i>Dyes and Pigments</i> , <b>2019</b> , 168, 197-204	4.6	8

74	High-efficiency robust organic solar cells using transfer-printed PEDOT:PSS electrodes through interface bonding engineering. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 901-908	7.8	6
73	Flexible ITO-free organic solar cells over 10% by employing drop-coated conductive PEDOT:PSS transparent anodes. <i>Science China Chemistry</i> , <b>2019</b> , 62, 500-505	7.9	16
72	Facile synthesized benzo[1,2-b:4,5-b']difuran based copolymer for both fullerene and non-fullerene organic solar cells. <i>Polymer</i> , <b>2019</b> , 172, 391-397	3.9	9
71	Interface bonding engineering of a transparent conductive electrode towards highly efficient and mechanically flexible ITO-free organic solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11460-11467 <sup>13</sup>	7.1	26
70	Efficient Enhancement of Electron Transport and Collection Capability in PTB7:PC BM-based Solar Cells Enabled by Sulforhodamine Cathode Interlayers. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1472-1476	4.5	5
69	Schottky/p-n Cascade Heterojunction Constructed by Intentional n-Type Doping Perovskite Toward Efficient Electron Layer-Free Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800274	7.1	32
68	Eco-Compatible Solvent-Processed Organic Photovoltaic Cells with Over 16% Efficiency. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903441	24	318
67	Simultaneous Bottom-Up Interfacial and Bulk Defect Passivation in Highly Efficient Planar Perovskite Solar Cells using Nonconjugated Small-Molecule Electrolytes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903239	24	59
66	16.67% Rigid and 14.06% Flexible Organic Solar Cells Enabled by Ternary Heterojunction Strategy. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902210	24	391
65	Oxide Neuromorphic Transistors Gated by Polyvinyl Alcohol Solid Electrolytes with Ultralow Power Consumption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28352-28358	9.5	28
64	Investigating the Trade-Off between Device Performance and Energy Loss in Nonfullerene Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29124-29131	9.5	19
63	Improving Performance of Nonfullerene Organic Solar Cells over 13% by Employing Silver Nanowires-Doped PEDOT:PSS Composite Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 42447-42454	9.5	16
62	Perovskite Solar Cells: Simultaneous Bottom-Up Interfacial and Bulk Defect Passivation in Highly Efficient Planar Perovskite Solar Cells using Nonconjugated Small-Molecule Electrolytes (Adv. Mater. 40/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970283	24	
61	Organic Light-Emitting Diodes Based on Conjugation-Induced Thermally Activated Delayed Fluorescence Polymers: Interplay Between Intra- and Intermolecular Charge Transfer States. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 688	5	22
60	Improved Efficiency in All-Small-Molecule Organic Solar Cells with Ternary Blend of Nonfullerene Acceptor and Chlorinated and Nonchlorinated Donors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44528-44535	9.5	33
59	Intermolecular n-Doping Nonconjugated Polymer Cathode Interfacial Materials for Organic Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2238-2245	6.1	10
58	16.55% efficiency ternary organic solar cells enabled by incorporating a small molecular donor. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25894-25899	13	67
57	Highly efficient and stable organic solar cell modules processed by blade coating with 5.6% module efficiency and active area of 216cm <sup>2</sup> . <i>Progress in Photovoltaics: Research and Applications</i> , <b>2019</b> , 27, 264-274 <sup>6,8</sup>	6.8	23

56	Thermally Activated Delayed Fluorescent Polymers: Structures, Properties, and Applications in OLED Devices. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800570	4.8	83
55	Dual Functional Electron-Selective Contacts Based on Silicon Oxide/Magnesium: Tailoring Heterointerface Band Structures while Maintaining Surface Passivation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702921	21.8	43
54	A Methodological Study on Tuning the Thermally Activated Delayed Fluorescent Performance by Molecular Constitution in Acridine-Benzophenone Derivatives. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1187-1191	4.5	9
53	Highly efficient non-fullerene polymer solar cells enabled by novel non-conjugated small-molecule cathode interlayers. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6327-6334	13	35
52	Efficient deep blue emitter based on the integration of phenanthroimidazole, triphenylamine and tetraphenylethene for organic light emitting devices. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 359, 87-92	4.7	7
51	Tuning the properties of poly(2,6-dimethyl-1,4-phenylene oxide) anion exchange membranes and their performance in H <sub>2</sub> /O <sub>2</sub> fuel cells. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 435-446	35.4	164
50	A Transfer-Printed, Stretchable, and Reliable Strain Sensor Using PEDOT:PSS/Ag NW Hybrid Films Embedded into Elastomers. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800030	6.8	26
49	Triphenylvinyl anthracene based emitter for non-doped blue light emitting devices with unusual emission behavior. <i>Optical Materials</i> , <b>2018</b> , 79, 8-11	3.3	2
48	Small-Molecule Emitters with High Quantum Efficiency: Mechanisms, Structures, and Applications in OLED Devices. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800512	8.1	136
47	Highly efficient polymer solar cells employing natural chlorophyllin as a cathode interfacial layer. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 464-468	13	15
46	Synthesis and characterization of polyelectrolytes based on benzotriazole backbone. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 1-9	2.4	9
45	Ternary Nonfullerene Polymer Solar Cells with 12.16% Efficiency by Introducing One Acceptor with Cascading Energy Level and Complementary Absorption. <i>Advanced Materials</i> , <b>2018</b> , 30, 1703005	24	156
44	Thermally Stable High-Performance Polymer Solar Cells Enabled by Interfacial Engineering. <i>ChemSusChem</i> , <b>2018</b> , 11, 2429-2435	8.3	3
43	Highly Efficient Non-Fullerene Organic Solar Cells Using 4,8-Bis((2-ethylhexyl)oxy)benzo[1,2-b:4,5-b']dithiophene-Based Polymers as Additives. <i>Macromolecules</i> , <b>2018</b> , 51, 4032-4039	5.5	7
42	All-Solution-Processed Metal-Oxide-Free Flexible Organic Solar Cells with Over 10% Efficiency. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800075	24	127
41	The marriage of AIE and interface engineering: convenient synthesis and enhanced photovoltaic performance. <i>Chemical Science</i> , <b>2017</b> , 8, 3750-3758	9.4	31
40	Benzophenone-based small molecular cathode interlayers with various polar groups for efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10154-10160	13	12
39	Multifunctional emitters for efficient simplified non-doped blueish green organic light emitting devices with extremely low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6527-6536	7.1	16

38	Non-Doped Sky-Blue OLEDs Based on Simple Structured AIE Emitters with High Efficiencies at Low Driven Voltages. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2189-2196	4.5	19
37	High-Performance Polymer Solar Cells Employing Rhodamines as Cathode Interfacial Layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27083-27089	9.5	14
36	Reducible fabrication cost for P3HT-based organic solar cells by using one-step synthesized novel fullerene derivative. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 159, 172-178	6.4	6
35	Synthesis, characterization and photovoltaic properties of three new 3,4-dithienyl-substituted polythiophene derivatives. <i>Polymer Journal</i> , <b>2016</b> , 48, 101-110	2.7	4
34	Highly efficient polymer solar cells using a non-conjugated small-molecule zwitterion with enhancement of electron transfer and collection. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14944-14948 <sup>13</sup>		20
33	MoS Quantum Dots with a Tunable Work Function for High-Performance Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26916-26923	9.5	49
32	Highly efficient ultraviolet light-emitting organosoluble polyimide. <i>RSC Advances</i> , <b>2016</b> , 6, 70008-70011	3.7	1
31	Polyethylenimine as a dual functional additive for electron transporting layer in efficient solution processed planar heterojunction perovskite solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 57793-57798	3.7	19
30	Efficient polymer solar cells based on the synergy effect of a novel non-conjugated small-molecule electrolyte and polar solvent. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2530-2536	13	45
29	Multi-channel interface dipole of hyperbranched polymers with quasi-immovable hydron to modification of cathode interface for high-efficiency polymer solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2016</b> , 24, 1044-1054	6.8	8
28	Ionic liquid-assisted perovskite crystal film growth for high performance planar heterojunction perovskite solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 97848-97852	3.7	28
27	HOMO energy level regulation of novel conjugated copolymers for polymer solar cells. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 6548-6554	3.6	3
26	Effective management of intramolecular charge transfer to obtain from blue to violet-blue OLEDs based on a couple of phenanthrene isomers. <i>Dyes and Pigments</i> , <b>2015</b> , 122, 264-271	4.6	29
25	Efficient polymer solar cells employing a non-conjugated small-molecule electrolyte. <i>Nature Photonics</i> , <b>2015</b> , 9, 520-524	33.9	384
24	Novel "hot exciton" blue fluorophores for high performance fluorescent/phosphorescent hybrid white organic light-emitting diodes with superhigh phosphorescent dopant concentration and improved efficiency roll-off. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 7869-77	9.5	106
23	Highly-efficient hybrid white organic light-emitting diodes based on a high radiative exciton ratio deep-blue emitter with improved concentration of phosphorescent dopant. <i>RSC Advances</i> , <b>2015</b> , 5, 32298-32306 <sup>31</sup>	3.7	31
22	Highly efficient single- and multi-emission-layer fluorescent/phosphorescent hybrid white organic light-emitting diodes with ~20% external quantum efficiency. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9233-9239	7.1	40
21	A new conjugated polymer PPV-PCN: synthesis, characterization, and applications. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 117-133	2.4	3

20	Enhanced Thermal Stability of Inverted Polymer Solar Cells with Pentacene. <i>Israel Journal of Chemistry</i> , <b>2015</b> , 55, 1028-1033	3.4	4
19	Benzothieno[2,3-b]thiophene semiconductors: synthesis, characterization and applications in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 8804-8810	7.1	7
18	Saturated deep-blue emitter based on a spiro[benzoanthracene-fluorene]-linked phenanthrene derivative for non-doped organic light-emitting diodes. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4696-4701	3.6	20
17	Theoretical calculation on relationship between molecular structure and band gap of benzo[1,2-b:4,5-b']dithiophene based homopolymer. <i>Journal of Mathematical Chemistry</i> , <b>2014</b> , 52, 2507-2519 <sup>2</sup>	2.1	2
16	Performance and stability studies of inverted polymer solar cells with TiO <sub>2</sub> film as a buffer layer. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 114, 429-434	2.6	11
15	Significant Enhancement of Polymer Solar Cell Performance via Side-Chain Engineering and Simple Solvent Treatment. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3196-3204	9.6	114
14	Anthradithiophene-benzothiadiazole-based small molecule donors for organic solar cells. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 3627	3.6	16
13	Synthesis, crystal structure, and polymerization of butterfly-shaped thieno[3,2-b]thiophene oligomers. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1189	3.6	11
12	Highly efficient and solution-processed iridium complex for single-layer yellow electrophosphorescent diodes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23005		35
11	Nonvolatile floating gate organic memory device based on pentacene/CdSe quantum dot heterojunction. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 183307	3.4	19
10	Observation of tunable two-photon induced excited-state and three-photon absorption phenomena by structure in oligomerfluorene derivatives. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 105, 891-895	2.6	11
9	Spin-Coated Highly Efficient Phosphorescent Organic Light-Emitting Diodes Based on Bipolar Triphenylamine-Benzimidazole Derivatives. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 584-590	15.6	237
8	Ternary Strategy Enabling High-Efficiency Rigid and Flexible Organic Solar Cells with Reduced Non-radiative Voltage Loss. <i>Energy and Environmental Science</i> ,	35.4	17
7	Conjugated Small Molecules Modified SnO <sub>2</sub> Layer for Perovskite Solar Cells with over 23% Efficiency. <i>Advanced Energy Materials</i> , 2101416	21.8	26
6	TADF Molecule as an Interfacial Layer with Cascade Energy Alignment Enabling High Open-Circuit Voltage for 3D/2D Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> ,	6.1	3
5	Improved phase stability of CsPbI <sub>2</sub> Br perovskite by released microstrain toward highly efficient and stable solar cells. <i>Information Materials</i> ,	23.1	6
4	Achieving 18.14% Efficiency of Ternary Organic Solar Cells with Alloyed Nonfullerene Acceptor. <i>Small Structures</i> , 2100099	8.7	2
3	Crystallinity modulation of donors by heteroatom side-chain engineering and solvent additive achieving 14.3% all-small-molecule organic solar cells. <i>Journal of Materials Chemistry A</i> ,	13	5



2	Thermally Activated Delayed Fluorescent (TADF) Mono-Polymeric OLED with Higher EQE over Its TADF Repeating Unit. <i>Macromolecular Chemistry and Physics</i> ,2200023	2.6	
1	Asymmetric Substitution of End-Groups Triggers 16.34% Efficiency for All-Small-Molecule Organic Solar Cells. <i>Advanced Materials</i> ,2202752	24	12