

# Yinhua Zhou

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/681659/yinhua-zhou-publications-by-year.pdf>

**Version:** 2024-04-26

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.

161  
papers

8,625  
citations

50  
h-index

88  
g-index

163  
ext. papers

10,071  
ext. citations

10.2  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
161	Conductive Polymers for Flexible Thermoelectric Systems <b>2022</b> , 41-79		0
160	Ultrathin and Efficient Organic Photovoltaics with Enhanced Air Stability by Suppression of Zinc Element Diffusion.. <i>Advanced Science</i> , <b>2022</b> , e2105288	13.6	5
159	Effect of Wetting Surfactants on the Work Function of PEDOT:PSS for Organic Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 3766-3772	6.1	2
158	Producing p-Doped Surface for Hole Transporting Layer-free Nonfullerene Organic Solar Cells.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200201	4.8	0
157	Recent progress in organic solar cells (Part I material science). <i>Science China Chemistry</i> , <b>2022</b> , 65, 224-268	7.9	48
156	A New Diazabenzok[fluoranthene-based D-A Conjugated Polymer Donor for Efficient Organic Solar Cells.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200276	4.8	0
155	Minimizing the Thickness of Ethoxylated Polyethylenimine to Produce Stable Low-Work Function Interface for Nonfullerene Organic Solar Cells. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2000094	1.6	6
154	Significant Enhancement of Illumination Stability of Nonfullerene Organic Solar Cells via an Aqueous Polyethylenimine Modification. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 2607-2614	6.4	12
153	Solution-processed solar-charging power units made of organic photovoltaic modules and asymmetric super-capacitors. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 203902	3.4	1
152	Marangoni Force Assisted Spreading and Printing of Nanometer-Thick Polymer Films for Ubiquitous Optoelectronic Devices. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100181	6.8	2
151	Engineering an interfacial interaction to assist transfer printing of active layers for curved organic solar cells. <i>Organic Electronics</i> , <b>2021</b> , 93, 106162	3.5	5
150	A ring-locking strategy to enhance the chemical and photochemical stability of A <sup>+</sup> A <sup>-</sup> -type non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1080-1088	13	22
149	Efficient Electrical Doping of Organic Semiconductors Via an Orthogonal Liquid-Liquid Contact. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009660	15.6	6
148	High-performance all-small-molecule organic solar cells without interlayers. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3174-3183	35.4	15
147	Surface doping of non-fullerene photoactive layer by soluble polyoxometalate for printable organic solar cells. <i>Chemical Communications</i> , <b>2021</b> , 57, 2689-2692	5.8	2
146	High-Performance Organic Semiconducting Polymers by a Resonance-Assisted Hydrogen Bonding Approach. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 580-588	9.6	11
145	54 cm Large-Area Flexible Organic Solar Modules with Efficiency Above 13. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103017	24	30

144	Photostable squaraine dimers for organic solar cells with a high open circuit voltage exceeding 1.0V. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109633	4.6	2
143	A metal chelation strategy suppressing chemical reduction between PEDOT and polyethylenimine for a printable low-work function electrode in organic solar cells. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3918-3924	13	4
142	Flexible All-Solution-Processed Organic Solar Cells with High-Performance Nonfullerene Active Layers. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907840	24	71
141	Meters-long, sewable, wearable conductive polymer wires for thermoelectric applications. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 1571-1576	7.1	6
140	N-doping of fullerene using 1,3,5-trimethylhexahydro-1,3,5-triazine as an electron transport layer for nonfullerene organic solar cells. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1984-1990	5.8	5
139	10 cm <sup>2</sup> nonfullerene solar cells with efficiency over 10% using HxMoO <sub>3</sub> -assisted growth of silver electrodes with a low threshold thickness of 4 nm. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 69-76	13	5
138	Exploring the Chemical Interaction between Diiodooctane and PEDOT-PSS Electrode for Metal Electrode-Free Nonfullerene Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3800-3805	9.5	12
137	Influence of Substituent Groups on Chemical Reactivity Kinetics of Nonfullerene Acceptors. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 2307-2312	3.8	23
136	Incorporation of Hydrogen Molybdenum Bronze in Solution-Processed Interconnecting Layer for Efficient Nonfullerene Tandem Organic Solar Cells. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900480	7.1	10
135	Patterning of PEDOT-PSS via nanosecond laser ablation and acid treatment for organic solar cells. <i>Organic Electronics</i> , <b>2020</b> , 87, 105954	3.5	1
134	Stabilizing Perovskite Solar Cells to IEC61215:2016 Standards with over 9,000-h Operational Tracking. <i>Joule</i> , <b>2020</b> , 4, 2646-2660	27.8	97
133	Sn <sup>II</sup> /Sn <sup>IV</sup> interaction improving electron collection in non-fullerene organic solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 12218-12223	7.1	11
132	Recent Advances of Synthesis, Properties, Film Fabrication Methods, Modifications of Poly(3,4-ethylenedioxythiophene), and Applications in Solution-Processed Photovoltaics. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2006213	15.6	44
131	Robust metal ion-chelated polymer interfacial layer for ultraflexible non-fullerene organic solar cells. <i>Nature Communications</i> , <b>2020</b> , 11, 4508	17.4	73
130	Reversible Chemical Reactivity of Non-Fullerene Acceptors for Organic Solar Cells under Acidic and Basic Environment. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 7602-7608	6.1	31
129	Flexible nonfullerene organic solar cells based on embedded silver nanowires with an efficiency up to 11.6%. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1989-1995	13	50
128	Morphological optimization by rational matching of the donor and acceptor boosts the efficiency of alkylsilyl fused ring-based polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4847-4854	13	9
127	MoO <sub>x</sub> /Au Schottky-Gated Field-Effect Transistors and Their Fast Inverters. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900086	6.4	5

126	Intralayer A-Site Compositional Engineering of Ruddlesden-Popper Perovskites for Thermostable and Efficient Solar Cells. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1216-1224	20.1	41
125	Flexible Perovskite Solar Cells via Surface-Confined Silver Nanoparticles on Transparent Polyimide Substrates. <i>Polymers</i> , <b>2019</b> , 11,	4.5	17
124	Photocatalytic effect of ZnO on the stability of nonfullerene acceptors and its mitigation by SnO <sub>2</sub> for nonfullerene organic solar cells. <i>Materials Horizons</i> , <b>2019</b> , 6, 1438-1443	14.4	80
123	Efficient nonfullerene organic solar cells with active layers fabricated by water transfer printing. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 37, 220-224	12	15
122	Tailoring vertical phase distribution of quasi-two-dimensional perovskite films via surface modification of hole-transporting layer. <i>Nature Communications</i> , <b>2019</b> , 10, 878	17.4	76
121	Self-assembly monolayers manipulate the power conversion processes in organic photovoltaics. <i>Journal of Power Sources</i> , <b>2019</b> , 409, 66-75	8.9	6
120	12.5% Flexible Nonfullerene Solar Cells by Passivating the Chemical Interaction Between the Active Layer and Polymer Interfacial Layer. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806616	24	110
119	Progress and challenges in perovskite photovoltaics from single- to multi-junction cells. <i>Materials Today Energy</i> , <b>2019</b> , 12, 70-94	7	50
118	Enhancing Efficiency and Durability of Inverted Perovskite Solar Cells with Phenol/Unsaturated Carbon-Carbon Double Bond Dual-Functionalized Poly(3,4-ethylenedioxythiophene) Hole Extraction Layer. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 961-968	8.3	6
117	Bifunctional Al <sub>2</sub> O <sub>3</sub> Interlayer Leads to Enhanced Open-Circuit Voltage for Hole-Conductor-Free Carbon-Based Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800002	7.1	37
116	Patching defects in the active layer of large-area organic solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 5817-5824	13	8
115	Vertical Stratification Engineering for Organic Bulk-Heterojunction Devices. <i>ACS Nano</i> , <b>2018</b> , 12, 4440-4452	15.7	56
114	Low Work Function Surface Modifiers for Solution-Processed Electronics: A Review. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701404	4.6	35
113	Enhancing Photovoltaic Performance of Inverted Planar Perovskite Solar Cells by Cobalt-Doped Nickel Oxide Hole Transport Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 14153-14159	9.5	54
112	Suppressing generation of iodine impurity via an amidine additive in perovskite solar cells. <i>Chemical Communications</i> , <b>2018</b> , 54, 4704-4707	5.8	8
111	A Semitransparent Inorganic Perovskite Film for Overcoming Ultraviolet Light Instability of Organic Solar Cells and Achieving 14.03% Efficiency. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800855	24	183
110	Improved Performance of Printable Perovskite Solar Cells with Bifunctional Conjugated Organic Molecule. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705786	24	176
109	Efficient Perovskite Photovoltaic-Thermoelectric Hybrid Device. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702937	21.8	45

108	Chlorine-Incorporation-Induced Formation of the Layered Phase for Antimony-Based Lead-Free Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1019-1027	16.4	178
107	A Free-Standing High-Output Power Density Thermoelectric Device Based on Structure-Ordered PEDOT:PSS. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700496	6.4	58
106	Highly stable Al-doped ZnO by ligand-free synthesis as general thickness-insensitive interlayers for organic solar cells. <i>Science China Chemistry</i> , <b>2018</b> , 61, 127-134	7.9	22
105	Chemical reaction between an ITIC electron acceptor and an amine-containing interfacial layer in non-fullerene solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2273-2278	13	73
104	High-Performance Hazy Silver Nanowire Transparent Electrodes through Diameter Tailoring for Semitransparent Photovoltaics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705409	15.6	69
103	Enhanced Ion Conductivity in Conducting Polymer Binder for High-Performance Silicon Anodes in Advanced Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702314	21.8	180
102	Ultra-thin bacterial cellulose/poly(ethylenedioxythiophene) nanofibers paper electrodes for all-solid-state flexible supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 271, 624-631	6.7	30
101	Polymer Solar Cells. <i>Green Chemistry and Sustainable Technology</i> , <b>2018</b> , 45-108	1.1	1
100	Flexible Organic Solar Cells <b>2018</b> , 305-337		0
99	Core-expanded naphthalenediimide derivatives as non-fullerene electron transport materials for inverted perovskite solar cells. <i>Organic Electronics</i> , <b>2018</b> , 61, 113-118	3.5	7
98	Flexible and Transparent Organic-Inorganic Hybrid Thermoelectric Modules. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 26687-26693	9.5	22
97	Oxygen management in carbon electrode for high-performance printable perovskite solar cells. <i>Nano Energy</i> , <b>2018</b> , 53, 160-167	17.1	59
96	Electrochemical Corrosion of Ag Electrode in the Silver Grid Electrode-Based Flexible Perovskite Solar Cells and the Suppression Method. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800118	7.1	25
95	A green route to a novel hyperbranched electrolyte interlayer for nonfullerene polymer solar cells with over 11% efficiency. <i>Chemical Communications</i> , <b>2018</b> , 54, 563-566	5.8	30
94	Writable and patternable organic solar cells and modules inspired by an old Chinese calligraphy tradition. <i>Materials Horizons</i> , <b>2018</b> , 5, 123-130	14.4	34
93	Fluorine-induced self-doping and spatial conformation in alcohol-soluble interlayers for highly-efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 423-433	13	13
92	High fill factor over 82% enabled by a biguanide doping electron transporting layer in planar perovskite solar cells. <i>Frontiers of Optoelectronics</i> , <b>2018</b> , 11, 360-366	2.8	5
91	Regulation of the Polar Groups in n-Type Conjugated Polyelectrolytes as Electron Transfer Layer for Inverted Polymer Solar Cells. <i>Macromolecules</i> , <b>2018</b> , 51, 8197-8204	5.5	20

90	Highly Stretchable Conductive Glue for High-Performance Silicon Anodes in Advanced Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704858	15.6	90
89	Electrochemical Corrosion of Ag Electrode in the Silver Grid Electrode-Based Flexible Perovskite Solar Cells and the Suppression Method (Solar RRL 92018). <i>Solar Rrl</i> , <b>2018</b> , 2, 1870207	7.1	1
88	Flexible large-area organic tandem solar cells with high defect tolerance and device yield. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3186-3192	13	47
87	Universal Strategy To Reduce Noise Current for Sensitive Organic Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9176-9183	9.5	55
86	Nickel oxide nanoparticles for efficient hole transport in p-i-n and n-i-p perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 6597-6605	13	159
85	Efficient Top-Illuminated Organic-Quantum Dots Hybrid Tandem Solar Cells with Complementary Absorption. <i>ACS Photonics</i> , <b>2017</b> , 4, 1172-1177	6.3	13
84	Eliminated hysteresis and stabilized power output over 20% in planar heterojunction perovskite solar cells by compositional and surface modifications to the low-temperature-processed TiO <sub>2</sub> layer. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9402-9411	13	101
83	Exploring spin-orbital coupling effects on photovoltaic actions in Sn and Pb based perovskite solar cells. <i>Nano Energy</i> , <b>2017</b> , 38, 297-303	17.1	33
82	Laminated Free Standing PEDOT:PSS Electrode for Solution Processed Integrated Photocapacitors via Hydrogen-Bond Interaction. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700704	4.6	20
81	An Amidine-Type n-Dopant for Solution-Processed Field-Effect Transistors and Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703254	15.6	34
80	Dual functions of interface passivation and n-doping using 2,6-dimethoxypyridine for enhanced reproducibility and performance of planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 17632-17639	13	22
79	Enhanced Thermochemical Stability of CH <sub>3</sub> NHPbI Perovskite Films on Zinc Oxides via New Precursors and Surface Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 26045-26051	9.5	22
78	Colorful flexible polymer tandem solar cells. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7884-7889	7.1	13
77	Stacking Sequence and Acceptor Dependence of Photocurrent Spectra and Photovoltage in Organic Two-Junction Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24027-24034	9.5	8
76	Light-Soaking-Free Inverted Polymer Solar Cells with an Efficiency of 10.5% by Compositional and Surface Modifications to a Low-Temperature-Processed TiO Electron-Transport Layer. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604044	24	60
75	Semitransparent, non-fullerene and flexible all-plastic solar cells. <i>Polymer</i> , <b>2016</b> , 107, 108-112	3.9	36
74	Efficient Colorful Perovskite Solar Cells Using a Top Polymer Electrode Simultaneously as Spectrally Selective Antireflection Coating. <i>Nano Letters</i> , <b>2016</b> , 16, 7829-7835	11.5	100
73	Hierarchical Dual-Scaffolds Enhance Charge Separation and Collection for High Efficiency Semitransparent Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600484	4.6	34

72	Low-Temperature-Processed Amorphous Bi <sub>2</sub> S <sub>3</sub> Film as an Inorganic Electron Transport Layer for Perovskite Solar Cells. <i>ACS Photonics</i> , <b>2016</b> , 3, 2122-2128	6.3	49
71	Nonreduction-Active Hole-Transporting Layers Enhancing Open-Circuit Voltage and Efficiency of Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33899-33906	9.5	34
70	Flexible all-solution-processed all-plastic multijunction solar cells for powering electronic devices. <i>Materials Horizons</i> , <b>2016</b> , 3, 452-459	14.4	63
69	Development of polymerfullerene solar cells. <i>National Science Review</i> , <b>2016</b> , 3, 222-239	10.8	63
68	Free-Standing Conducting Polymer Films for High-Performance Energy Devices. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 979-82	16.4	116
67	A two-terminal perovskite/perovskite tandem solar cell. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1208-1213	12.13	112
66	Reduction and oxidation of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) induced by methylamine (CH <sub>3</sub> NH <sub>2</sub> )-containing atmosphere for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4305-4311	13	41
65	Double-side responsive polymer near-infrared photodetectors with transfer-printed electrode. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1414-1419	7.1	35
64	Free-Standing Conducting Polymer Films for High-Performance Energy Devices. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 991-994	3.6	31
63	Synergistic Effect of PbI <sub>2</sub> Passivation and Chlorine Inclusion Yielding High Open-Circuit Voltage Exceeding 1.15 V in Both Mesoscopic and Inverted Planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> (Cl)-Based Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8119-8127	15.6	77
62	Indium tin oxide (ITO)-free, top-illuminated, flexible perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14017-14024	13	47
61	A nonionic surfactant simultaneously enhancing wetting property and electrical conductivity of PEDOT:PSS for vacuum-free organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 137, 311-318	6.4	41
60	Semitransparent Fully Air Processed Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17776-81	9.5	65
59	Solution processed flexible hybrid cell for concurrently scavenging solar and mechanical energies. <i>Nano Energy</i> , <b>2015</b> , 16, 301-309	17.1	41
58	Optical properties and conductivity of PEDOT:PSS films treated by polyethylenimine solution for organic solar cells. <i>Organic Electronics</i> , <b>2015</b> , 21, 144-148	3.5	58
57	Metal electrode-free perovskite solar cells with transfer-laminated conducting polymer electrode. <i>Optics Express</i> , <b>2015</b> , 23, A83-91	3.3	47
56	Vacuum-free and metal electrode-free organic tandem solar cells. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 053306	3.4	16
55	Conductivity Enhancement of PEDOT:PSS Films via Phosphoric Acid Treatment for Flexible All-Plastic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14089-94	9.5	106

54	ITO-free large-area flexible organic solar cells with an embedded metal grid. <i>Organic Electronics</i> , <b>2015</b> , 17, 349-354	3.5	41
53	Inverted Tandem Polymer Solar Cells with Polyethylenimine-Modified MoOX/Al <sub>2</sub> O <sub>3</sub> :ZnO Nanolaminate as the Charge Recombination Layers. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400048	21.8	21
52	A vertically integrated solar-powered electrochromic window for energy efficient buildings. <i>Advanced Materials</i> , <b>2014</b> , 26, 4895-900	24	107
51	Enhanced Charge-Carrier Injection and Collection Via Lamination of Doped Polymer Layers p-Doped with a Solution-Processible Molybdenum Complex. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2197-2204	15.6	70
50	All-plastic solar cells with a high photovoltaic dynamic range. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3492	13	87
49	Efficient recyclable organic solar cells on cellulose nanocrystal substrates with a conducting polymer top electrode deposited by film-transfer lamination. <i>Organic Electronics</i> , <b>2014</b> , 15, 661-666	3.5	98
48	Effect of alkyl chain length on the photovoltaic performance of oligothiophene-based small molecules. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 130, 336-346	6.4	16
47	Organic photovoltaic cells with stable top metal electrodes modified with polyethylenimine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6202-7	9.5	35
46	PEDOT:PSS top electrode prepared by transfer lamination using plastic wrap as the transfer medium for organic solar cells. <i>Organic Electronics</i> , <b>2014</b> , 15, 2593-2598	3.5	27
45	Inverted organic solar cells with polymer-modified fluorine-doped tin oxide as the electron-collecting electrode. <i>Thin Solid Films</i> , <b>2014</b> , 554, 54-57	2.2	10
44	Polyethylenimine aqueous solution: a low-cost and environmentally friendly formulation to produce low-work-function electrodes for efficient easy-to-fabricate organic solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22628-33	9.5	38
43	Polymer solar cells with NiO hole-collecting interlayers processed by atomic layer deposition. <i>Organic Electronics</i> , <b>2013</b> , 14, 2802-2808	3.5	37
42	Indium tin oxide modified by titanium dioxide nanoparticles dispersed in poly(N-vinylpyrrolidone) for use as an electron-collecting layer in organic solar cells with an inverted structure. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 535-540	2.5	4
41	Recyclable organic solar cells on cellulose nanocrystal substrates. <i>Scientific Reports</i> , <b>2013</b> , 3, 1536	4.9	229
40	Studies of the optimization of recombination layers for inverted tandem polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 107, 51-55	6.4	33
39	Direct correlation between work function of indium-tin-oxide electrodes and solar cell performance influenced by ultraviolet irradiation and air exposure. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 12014-21	3.6	83
38	High performance polymeric charge recombination layer for organic tandem solar cells. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 9827	35.4	171
37	A universal method to produce low-work function electrodes for organic electronics. <i>Science</i> , <b>2012</b> , 336, 327-32	33.3	1642



36	Oriented Growth of Al <sub>2</sub> O <sub>3</sub> :ZnO Nanolaminates for Use as Electron-Selective Electrodes in Inverted Polymer Solar Cells. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 1531-1538	15.6	47
35	A low band gap donor-acceptor copolymer containing fluorene and benzothiadiazole units: synthesis and photovoltaic properties. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 385-393	3.6	35
34	Roles of thermally-induced vertical phase segregation and crystallization on the photovoltaic performance of bulk heterojunction inverted polymer solar cells. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 3456	35.4	34
33	Efficiency enhancement of polymer solar cells by incorporating a self-assembled layer of silver nanodisks. <i>Solar Energy Materials and Solar Cells</i> , <b>2011</b> , 95, 3281-3286	6.4	44
32	Synthesis and photovoltaic properties of low-bandgap 4,7-dithien-2-yl-2,1,3-benzothiadiazole-based poly(heteroarylenevinylene)s. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2715-2724	2.5	26
31	Optimization of a polymer top electrode for inverted semitransparent organic solar cells. <i>Organic Electronics</i> , <b>2011</b> , 12, 827-831	3.5	53
30	Inverted polymer solar cells with amorphous indium zinc oxide as the electron-collecting electrode. <i>Optics Express</i> , <b>2010</b> , 18 Suppl 4, A506-12	3.3	18
29	Electrical and Optical Properties of ZnO Processed by Atomic Layer Deposition in Inverted Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 20713-20718	3.8	112
28	Indium tin oxide-free and metal-free semitransparent organic solar cells. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 153304	3.4	125
27	Inverted organic solar cells with ITO electrodes modified with an ultrathin Al <sub>2</sub> O <sub>3</sub> buffer layer deposited by atomic layer deposition. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6189		88
26	A two-step method combining electrodeposition and spin-coating for solar cell processing. <i>Journal of Solid State Electrochemistry</i> , <b>2010</b> , 14, 1051-1056	2.6	11
25	All-spin-coating vacuum-free processed semi-transparent inverted polymer solar cells with PEDOT:PSS anode and PAH-D interfacial layer. <i>Organic Electronics</i> , <b>2010</b> , 11, 1327-1331	3.5	73
24	Synthesis and photovoltaic properties of poly(p-phenylenevinylene) derivatives containing oxadiazole. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 1003-1012	2.5	26
23	Inverted and transparent polymer solar cells prepared with vacuum-free processing. <i>Solar Energy Materials and Solar Cells</i> , <b>2009</b> , 93, 497-500	6.4	143
22	Morphology and properties of poly(2-methoxy-5-(2-ethyl-hexyloxy)-p-phenylenevinylene) (MEH-PPV): N,N'-bis(1-ethylpropyl)-3,4:9,10-perylene bis(tetracarboxyl diimide) (EP-PTC) based solar cells. <i>Current Applied Physics</i> , <b>2009</b> , 9, 950-955	2.6	6
21	Donor-Acceptor Molecule as the Acceptor for Polymer-Based Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7882-7886	3.8	43
20	Synthesis, photophysical and electroluminescent properties of donor-acceptor-donor molecules based on $\beta$ -innamoyl cyclic ketene dithioacetals. <i>Synthetic Metals</i> , <b>2009</b> , 159, 153-157	3.6	2
19	New 4,7-dithienbenzothiadiazole derivatives with cyano-vinylene bonds: Synthesis, photophysics and photovoltaics. <i>Synthetic Metals</i> , <b>2009</b> , 159, 1471-1477	3.6	9

18	Synthesis and photovoltaic properties of novel solution-processable triphenylamine-based dendrimers with sulfonyldibenzene cores. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 2120	3.6	41
17	Synthesis of 4,7-Diphenyl-2,1,3-Benzothiadiazole-Based Copolymers and Their Photovoltaic Applications. <i>Macromolecules</i> , <b>2009</b> , 42, 4977-4984	5.5	72
16	Investigation on polymer anode design for flexible polymer solar cells. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 233308	3.4	127
15	Cruciform oligo(phenylenevinylene) with a bipyridine bridge: synthesis, its rhenium(I) complex and photovoltaic properties. <i>Chemical Communications</i> , <b>2008</b> , 3912-4	5.8	27
14	Multifolded polymer solar cells on flexible substrates. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 033302	3.4	62
13	Spectrally dependent photocurrent generation in aggregated MEH-PPV:PPDI donor-acceptor blends. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 1842-1848	6.4	14
12	Synthesis and photophysical properties of triphenylamine-based dendrimers with 1,3,5-triphenylbenzene cores. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 5877-5881	2	49
11	Novel donor-acceptor molecules as donors for bulk heterojunction solar cells. <i>Synthetic Metals</i> , <b>2007</b> , 157, 502-507	3.6	40
10	Surface enhanced Raman scattering from a hierarchical substrate of micro/nanostructured silver. <i>Journal of Raman Spectroscopy</i> , <b>2006</b> , 37, 755-761	2.3	24
9	X-shaped oligothiophenes as a new class of electron donors for bulk-heterojunction solar cells. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 7702-7	3.4	115
8	Water Transfer Printing of Multilayered Near-Infrared Organic Photodetectors. <i>Advanced Optical Materials</i> , 2101837	8.1	3
7	Bathocuproine as a cathode interlayer for nonfullerene organic solar cells with efficiency over 17%. <i>Journal of Materials Chemistry A</i> ,	13	3
6	Low-Work-Function PEDOT Formula as a Stable Interlayer and Cathode for Organic Solar Cells. <i>Advanced Functional Materials</i> , 2107250	15.6	4
5	Emerging Chemistry in Enhancing the Chemical and Photochemical Stabilities of Fused-Ring Electron Acceptors in Organic Solar Cells. <i>Advanced Functional Materials</i> , 2106735	15.6	9
4	On the interface reactions and stability of nonfullerene organic solar cells. <i>Chemical Science</i> ,	9.4	2
3	Large-Area Organic Solar Modules with Efficiency Over 14%. <i>Advanced Functional Materials</i> , 2110209	15.6	10
2	An alcohol-dispersed conducting polymer complex for fully printable organic solar cells with improved stability. <i>Nature Energy</i> ,	62.3	22
1	Recent progress in organic solar cells (Part II device engineering). <i>Science China Chemistry</i> ,	7.9	12

