

List of Publications by Citations

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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.

55 papers	5,472 citations	26 h-index	55 g-index
55 ext. papers	6,791 ext. citations	13.7 avg, IF	6.2 L-index

#	Paper	IF	Citations
55	Over 16% efficiency organic photovoltaic cells enabled by a chlorinated acceptor with increased open-circuit voltages. <i>Nature Communications</i> , 2019 , 10, 2515	17.4	1093
54	Single-Junction Organic Photovoltaic Cells with Approaching 18% Efficiency. <i>Advanced Materials</i> , 2020 , 32, e1908205	24	896
53	Eco-Compatible Solvent-Processed Organic Photovoltaic Cells with Over 16% Efficiency. <i>Advanced Materials</i> , 2019 , 31, e1903441	24	318
52	Organic photovoltaic cell with 17% efficiency and superior processability. <i>National Science Review</i> , 2020 , 7, 1239-1246	10.8	318
51	Achieving Over 15% Efficiency in Organic Photovoltaic Cells via Copolymer Design. <i>Advanced Materials</i> , 2019 , 31, e1808356	24	314
50	Improved Charge Transport and Reduced Nonradiative Energy Loss Enable Over 16% Efficiency in Ternary Polymer Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1902302	24	311
49	A Highly Efficient Non-Fullerene Organic Solar Cell with a Fill Factor over 0.80 Enabled by a Fine-Tuned Hole-Transporting Layer. <i>Advanced Materials</i> , 2018 , 30, e1801801	24	299
48	14.7% Efficiency Organic Photovoltaic Cells Enabled by Active Materials with a Large Electrostatic Potential Difference. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7743-7750	16.4	244
47	Ternary Nonfullerene Polymer Solar Cells with 12.16% Efficiency by Introducing One Acceptor with Cascading Energy Level and Complementary Absorption. <i>Advanced Materials</i> , 2018 , 30, 1703005	24	156
46	Design and application of volatilizable solid additives in non-fullerene organic solar cells. <i>Nature Communications</i> , 2018 , 9, 4645	17.4	130
45	All-Solution-Processed Metal-Oxide-Free Flexible Organic Solar Cells with Over 10% Efficiency. <i>Advanced Materials</i> , 2018 , 30, e1800075	24	127
44	Selenopheno[3,2-b]thiophene-Based Narrow-Bandgap Nonfullerene Acceptor Enabling 13.3% Efficiency for Organic Solar Cells with Thickness-Insensitive Feature. <i>ACS Energy Letters</i> , 2018 , 3, 2967-2976	20.1	109
43	1 cm Organic Photovoltaic Cells for Indoor Application with over 20% Efficiency. <i>Advanced Materials</i> , 2019 , 31, e1904512	24	87
42	Tuning the Hybridization of Local Exciton and Charge-Transfer States in Highly Efficient Organic Photovoltaic Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9004-9010	16.4	74
41	Foldable Semitransparent Organic Solar Cells for Photovoltaic and Photosynthesis. <i>Advanced Energy Materials</i> , 2020 , 10, 2000136	21.8	71
40	Enhanced π -Interactions of Nonfullerene Acceptors by Volatilizable Solid Additives in Efficient Polymer Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1900477	24	69
39	Organic Photovoltaic Cells for Indoor Applications: Opportunities and Challenges. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38815-38828	9.5	58

38	A Thiadiazole-Based Conjugated Polymer with Ultradeep HOMO Level and Strong Electroluminescence Enables 18.6% Efficiency in Organic Solar Cell. <i>Advanced Energy Materials</i> , 2021 , 11, 2101705	21.8	51
37	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> , 2020 , 8, 7405-7411	13.11	50
36	A chlorinated nonacyclic carbazole-based acceptor affords over 15% efficiency in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1131-1137	13	48
35	17% efficiency all-small-molecule organic solar cells enabled by nanoscale phase separation with a hierarchical branched structure. <i>Energy and Environmental Science</i> ,	35.4	39
34	18.5% Efficiency Organic Solar Cells with a Hybrid Planar/Bulk Heterojunction. <i>Advanced Materials</i> , 2021 , 33, e2103091	24	37
33	Bendable and foldable flexible organic solar cells based on Ag nanowire films with 10.30% efficiency. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3737-3744	13	35
32	Highly efficient non-fullerene polymer solar cells enabled by novel non-conjugated small-molecule cathode interlayers. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6327-6334	13	35
31	Multi-component non-fullerene acceptors with tunable bandgap structures for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23644-23649	13	35
30	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> , 2021 , 11, 2100800	21.8	31
29	Quadrupole Moment Induced Morphology Control Via a Highly Volatile Small Molecule in Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2010535	15.6	26
28	Over 14% Efficiency Folding-Flexible ITO-free Organic Solar Cells Enabled by Eco-friendly Acid-Processed Electrodes. <i>IScience</i> , 2020 , 23, 100981	6.1	24
27	Crumple Durable Ultraflexible Organic Solar Cells with an Excellent Power-per-Weight Performance. <i>Advanced Functional Materials</i> , 2021 , 31, 2102694	15.6	24
26	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> , 2019 , 7, 2646-2652	13	23
25	Highly efficient and stable organic solar cell modules processed by blade coating with 5.6% module efficiency and active area of 216 cm ² . <i>Progress in Photovoltaics: Research and Applications</i> , 2019 , 27, 264-274	6.8	23
24	Highly fluorescent anthracene derivative as a non-fullerene acceptor in OSCs with small non-radiative energy loss of 0.22 eV and high PCEs of over 13%. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10212-10216	13	21
23	Enhancing the Photovoltaic Performance of Nonfullerene Acceptors via Conjugated Rotatable End Groups. <i>Advanced Energy Materials</i> , 2018 , 8, 1802131	21.8	21
22	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> , 2016 , 4, 14944-14948	13	20
21	Recent advances in high-efficiency organic solar cells fabricated by eco-compatible solvents at relatively large-area scale. <i>APL Materials</i> , 2020 , 8, 120901	5.7	20

20	Investigating the Trade-Off between Device Performance and Energy Loss in Nonfullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29124-29131	9.5	19
19	Non-Doped Sky-Blue OLEDs Based on Simple Structured AIE Emitters with High Efficiencies at Low Driven Voltages. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2189-2196	4.5	19
18	Tuning the Hybridization of Local Exciton and Charge-Transfer States in Highly Efficient Organic Photovoltaic Cells. <i>Angewandte Chemie</i> , 2020 , 132, 9089-9095	3.6	17
17	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> , 2017 , 5, 6527-6536	7.1	16
16	Efficient Organic Solar Cells with a High Open-Circuit Voltage of 1.34 V. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 1153-1157	4.9	15
15	Highly efficient polymer solar cells employing natural chlorophyllin as a cathode interfacial layer. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 464-468	13	15
14	High-Performance Polymer Solar Cells Employing Rhodamines as Cathode Interfacial Layers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27083-27089	9.5	14
13	Multi-Functional Solid Additive Induced Favorable Vertical Phase Separation and Ordered Molecular Packing for Highly Efficient Layer-by-Layer Organic Solar Cells. <i>Small</i> , 2021 , 17, e2103497	11	14
12	Significant influence of halogenation on the energy levels and molecular configurations of polymers in DTBDT-based polymer solar cells. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1244-1252	7.8	13
11	Chlorinated Carbon-Bridged and Silicon-Bridged Carbazole-Based Nonfullerene Acceptors Manifest Synergistic Enhancement in Ternary Organic Solar Cell with Efficiency over 15%. <i>Solar Rrl</i> , 2020 , 4, 2000357	7.1	13
10	Organic photovoltaic cells with high efficiencies for both indoor and outdoor applications. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 893-900	7.8	13
9	Efficient Exciton Dissociation Enabled by the End Group Modification in Non-Fullerene Acceptors. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 7691-7698	3.8	11
8	TCNQ as a volatilizable morphology modulator enables enhanced performance in non-fullerene organic solar cells. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 44-49	7.1	11
7	Simultaneous Improvement of Efficiency and Stability of Organic Photovoltaic Cells by using a Cross-Linkable Fullerene Derivative. <i>Small</i> , 2021 , 17, e2101133	11	10
6	A Methodological Study on Tuning the Thermally Activated Delayed Fluorescent Performance by Molecular Constitution in Acridine-Benzophenone Derivatives. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1187-1191	4.5	9
5	Understanding the Effect of Sequential Deposition Processing for High-Efficient Organic Photovoltaics to Harvest Sunlight and Artificial Light. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20405-20416	9.5	7
4	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> , 2018 , 51, 4032-4039	5.5	7
3	A Carbonylated Terthiophene-Based Twisted Polymer for Efficient Ternary Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900246	4.8	6

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| 2 | Significant Efficiency Improvement Enabled by CdSe/ZnS Quantum Dot Modifier in Organic Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900117 | 7.1 | 5 |
| 1 | Highly efficient ultraviolet light-emitting organosoluble polyimide. <i>RSC Advances</i> , 2016 , 6, 70008-70011 | 3.7 | 1 |