

Ling Hong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8954539/publications.pdf>

Version: 2024-02-01

55
papers

8,005
citations

136740

32
h-index

155451

55
g-index

55
all docs

55
docs citations

55
times ranked

4616
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic photovoltaic cells with high efficiencies for both indoor and outdoor applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 893-900.	3.2	32
2	17% efficiency all-small-molecule organic solar cells enabled by nanoscale phase separation with a hierarchical branched structure. <i>Energy and Environmental Science</i> , 2021, 14, 5903-5910.	15.6	116
3	Quadrupole Moment Induced Morphology Control Via a Highly Volatile Small Molecule in Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2101535.	7.8	55
4	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.	4.0	19
5	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.	10.2	86
6	Crumple Durable Ultraflexible Organic Solar Cells with an Excellent Power-Per-Weight Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2102694.	7.8	78
7	Simultaneous Improvement of Efficiency and Stability of Organic Photovoltaic Cells by using a Cross-Linkable Fullerene Derivative. <i>Small</i> , 2021, 17, e2101133.	5.2	34
8	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.	10.2	125
9	18.5% Efficiency Organic Solar Cells with a Hybrid Planar/Bulk Heterojunction. <i>Advanced Materials</i> , 2021, 33, e2103091.	11.1	136
10	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.	5.2	49
11	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.	5.2	65
12	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.	2.7	16
13	Organic photovoltaic cell with 17% efficiency and superior processability. <i>National Science Review</i> , 2020, 7, 1239-1246.	4.6	443
14	Recent advances in high-efficiency organic solar cells fabricated by eco-compatible solvents at relatively large-area scale. <i>APL Materials</i> , 2020, 8, .	2.2	45
15	Organic Photovoltaic Cells for Indoor Applications: Opportunities and Challenges. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38815-38828.	4.0	126
16	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.	3.1	19
17	Efficient Exciton Dissociation Enabled by the End Group Modification in Non-Fullerene Acceptors. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7691-7698.	1.5	18
18	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.	7.2	144

#	ARTICLE	IF	CITATIONS
19	Over 14% efficiency nonfullerene all-small-molecule organic solar cells enabled by improving the ordering of molecular donors <i>via</i> side-chain engineering. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7405-7411.	5.2	69
20	Single-junction Organic Photovoltaic Cells with Approaching 18% Efficiency. <i>Advanced Materials</i> , 2020, 32, e1908205.	11.1	1,407
21	Tuning the Hybridization of Local Exciton and Charge-transfer States in Highly Efficient Organic Photovoltaic Cells. <i>Angewandte Chemie</i> , 2020, 132, 9089-9095.	1.6	24
22	Foldable Semitransparent Organic Solar Cells for Photovoltaic and Photosynthesis. <i>Advanced Energy Materials</i> , 2020, 10, 2000136.	10.2	120
23	Over 14% Efficiency Folding-Flexible ITO-free Organic Solar Cells Enabled by Eco-friendly Acid-Processed Electrodes. <i>IScience</i> , 2020, 23, 100981.	1.9	40
24	Eco-compatible Solvent-processed Organic Photovoltaic Cells with Over 16% Efficiency. <i>Advanced Materials</i> , 2019, 31, e1903441.	11.1	445
25	A Carbonylated Terthiophene-based Twisted Polymer for Efficient Ternary Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900246.	2.0	7
26	Improved Charge Transport and Reduced Nonradiative Energy Loss Enable Over 16% Efficiency in Ternary Polymer Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1902302.	11.1	364
27	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.	4.0	24
28	Efficient Organic Solar Cells with a High Open-circuit Voltage of 1.34 V. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1153-1157.	2.6	20
29	1 cm ² Organic Photovoltaic Cells for Indoor Application with over 20% Efficiency. <i>Advanced Materials</i> , 2019, 31, e1904512.	11.1	140
30	A novel polymer donor based on dithieno[2,3- <i>d</i> :2',3'- <i>d'</i>]benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene for highly efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2646-2652.	11.2	26
31	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.	5.2	47
32	Over 16% efficiency organic photovoltaic cells enabled by a chlorinated acceptor with increased open-circuit voltages. <i>Nature Communications</i> , 2019, 10, 2515.	5.8	1,431
33	Significant Efficiency Improvement Enabled by CdSe/ZnS Quantum Dot Modifier in Organic Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900117.	3.1	9
34	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.	3.2	15
35	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.	6.6	379
36	Enhanced π - π Interactions of Nonfullerene Acceptors by Volatilizable Solid Additives in Efficient Polymer Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1900477.	11.1	99

#	ARTICLE	IF	CITATIONS
37	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.	5.2	22
38	Achieving Over 15% Efficiency in Organic Photovoltaic Cells via Copolymer Design. <i>Advanced Materials</i> , 2019, 31, e1808356.	11.1	388
39	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.	4.4	34
40	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.	1.7	12
41	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.	5.2	42
42	Highly efficient polymer solar cells employing natural chlorophyllin as a cathode interfacial layer. <i>Journal of Materials Chemistry A</i> , 2018, 6, 464-468.	5.2	19
43	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.	11.1	182
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.	8.8	139
45	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.	5.2	47
46	Design and application of volatilizable solid additives in non-fullerene organic solar cells. <i>Nature Communications</i> , 2018, 9, 4645.	5.8	205
47	Enhancing the Photovoltaic Performance of Nonfullerene Acceptors via Conjugated Rotatable End Groups. <i>Advanced Energy Materials</i> , 2018, 8, 1802131.	10.2	24
48	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.	2.2	9
49	All-Solution-Processed Metal-Oxide-Free Flexible Organic Solar Cells with Over 10% Efficiency. <i>Advanced Materials</i> , 2018, 30, e1800075.	11.1	165
50	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.	11.1	360
51	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.	2.7	21
52	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.	1.7	24
53	High-Performance Polymer Solar Cells Employing Rhodamines as Cathode Interfacial Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27083-27089.	4.0	17
54	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.	5.2	21

#	ARTICLE	IF	CITATIONS
55	Highly efficient ultraviolet light-emitting organosoluble polyimide. RSC Advances, 2016, 6, 70008-70011.	1.7	2