Lingxian Meng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8361020/publications.pdf

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22 papers	3,132 citations	623734 14 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	4147 citing authors

#	Article	IF	Citations
1	Organic and solution-processed tandem solar cells with 17.3% efficiency. Science, 2018, 361, 1094-1098.	12.6	2,262
2	Flexible organic photovoltaics based on water-processed silver nanowire electrodes. Nature Electronics, 2019, 2, 513-520.	26.0	255
3	Achieving an Efficient and Stable Morphology in Organic Solar Cells Via Fine-Tuning the Side Chains of Small-Molecule Acceptors. Chemistry of Materials, 2020, 32, 2593-2604.	6.7	91
4	Achieving Both Enhanced Voltage and Current through Fineâ€Tuning Molecular Backbone and Morphology Control in Organic Solar Cells. Advanced Energy Materials, 2019, 9, 1901024.	19.5	73
5	High Performance Thickâ€Film Nonfullerene Organic Solar Cells with Efficiency over 10% and Active Layer Thickness of 600 nm. Advanced Energy Materials, 2019, 9, 1902688.	19.5	69
6	The rational and effective design of nonfullerene acceptors guided by a semi-empirical model for an organic solar cell with an efficiency over 15%. Journal of Materials Chemistry A, 2020, 8, 9726-9732.	10.3	54
7	A Tandem Organic Solar Cell with PCE of 14.52% Employing Subcells with the Same Polymer Donor and Two Absorption Complementary Acceptors. Advanced Materials, 2019, 31, e1804723.	21.0	48
8	Tuning Morphology of Active Layer by using a Wide Bandgap Oligomerâ€Like Donor Enables Organic Solar Cells with Over 18% Efficiency. Advanced Energy Materials, 2022, 12, .	19.5	45
9	Flexible Highâ€Performance and Solutionâ€Processed Organic Photovoltaics with Robust Mechanical Stability. Advanced Functional Materials, 2021, 31, 2010000.	14.9	29
10	A nonfullerene acceptor incorporating a dithienopyran fused backbone for organic solar cells with efficiency over 14%. Nano Energy, 2020, 75, 104988.	16.0	27
11	Achieving organic solar cells with efficiency over 14% based on a non-fullerene acceptor incorporating a cyclopentathiophene unit fused backbone. Journal of Materials Chemistry A, 2020, 8, 5194-5199.	10.3	21
12	Allâ€Smallâ€Molecule Organic Solar Cells with Efficiency Approaching 16% and FF over 80%. Small, 2022, 18, e2201400.	10.0	21
13	Can Isotope Effects Enable Organic Solar Cells to Achieve Smaller Non-Radiative Energy Losses and Why?. Chemistry of Materials, 2022, 34, 6009-6025.	6.7	19
14	Concurrently Improved J_{sc}, Fill Factor, and Stability in a Ternary Organic Solar Cell Enabled by a C-Shaped Non-fullerene Acceptor and Its Structurally Similar Third Component. ACS Applied Materials & Interfaces, 2021, 13, 40766-40777.	8.0	18
15	Tandem organic solar cells with 18.67% efficiency via careful subcell design and selection. Journal of Materials Chemistry A, 2022, 10, 11238-11245.	10.3	18
16	Subtle Morphology Control with Binary Additives for High-Efficiency Non-Fullerene Acceptor Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 27425-27432.	8.0	16
17	An oxygen heterocycle-fused fluorene based non-fullerene acceptor for high efficiency organic solar cells. Materials Chemistry Frontiers, 2020, 4, 3594-3601.	5.9	15
18	Improving current and mitigating energy loss in ternary organic photovoltaics enabled by two well-compatible small molecule acceptors. Science China Chemistry, 2021, 64, 608-615.	8.2	13

#	Article	IF	Citations
19	An acceptorâ€“donorâ€“acceptor type non-fullerene acceptor with an asymmetric backbone for high performance organic solar cells. Journal of Materials Chemistry C, 2020, 8, 6293-6298.	5.5	12
20	Tuning the Phase Separation by Thermal Annealing Enables High-Performance All-Small-Molecule Organic Solar Cells. Chemistry of Materials, 2022, 34, 3168-3177.	6.7	12
21	Structural optimization of acceptor molecules guided by a semi-empirical model for organic solar cells with efficiency over 15%. Science China Materials, 2021, 64, 2388-2396.	6.3	6
22	Molecular optimization of incorporating pyran fused acceptorâ€“donorâ€“acceptor type acceptors enables over 15% efficiency in organic solar cells. Journal of Materials Chemistry C, 2022, 10, 1977-1983.	5.5	6