

# Lingxian Meng

## List of Publications by Year in descending order

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

Version: 2024-02-01

22  
papers

3,132  
citations

623734

14  
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677142

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all docs

23  
docs citations

23  
times ranked

4147  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Allâ€“Smallâ€“Molecule Organic Solar Cells with Efficiency Approaching 16% and FF over 80%. Small, 2022, 18, e2201400.	10.0	21
5	Tandem organic solar cells with 18.67% efficiency <i>via</i> careful subcell design and selection. Journal of Materials Chemistry A, 2022, 10, 11238-11245.	10.3	18
6	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
7	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
8	Flexible Highâ€“Performance and Solutionâ€“Processed Organic Photovoltaics with Robust Mechanical Stability. Advanced Functional Materials, 2021, 31, 2010000.	14.9	29
9	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
10	Concurrently Improved <i>J</i>, 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
11	A nonfullerene acceptor incorporating a dithienopyran fused backbone for organic solar cells with efficiency over 14%. Nano Energy, 2020, 75, 104988.	16.0	27
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Achieving Both Enhanced Voltage and Current through Fine-tuning Molecular Backbone and Morphology Control in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1901024.	19.5	73
20	A Tandem Organic Solar Cell with PCE of 14.52% Employing Subcells with the Same Polymer Donor and Two Absorption Complementary Acceptors. <i>Advanced Materials</i> , 2019, 31, e1804723.	21.0	48
21	Flexible organic photovoltaics based on water-processed silver nanowire electrodes. <i>Nature Electronics</i> , 2019, 2, 513-520.	26.0	255
22	Organic and solution-processed tandem solar cells with 17.3% efficiency. <i>Science</i> , 2018, 361, 1094-1098.	12.6	2,262