

# Nengxu Li

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

3,846  
citations

394421

19  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

3953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cation and anion immobilization through chemical bonding enhancement with fluorides for stable halide perovskite solar cells. <i>Nature Energy</i> , 2019, 4, 408-415.	39.5	831
2	A Eu <sup>3+</sup> -Eu <sup>2+</sup> ion redox shuttle imparts operational durability to Pb-I perovskite solar cells. <i>Science</i> , 2019, 363, 265-270.	12.6	793
3	Strain engineering in perovskite solar cells and its impacts on carrier dynamics. <i>Nature Communications</i> , 2019, 10, 815.	12.8	528
4	Towards commercialization: the operational stability of perovskite solar cells. <i>Chemical Society Reviews</i> , 2020, 49, 8235-8286.	38.1	371
5	Liquid medium annealing for fabricating durable perovskite solar cells with improved reproducibility. <i>Science</i> , 2021, 373, 561-567.	12.6	227
6	Impacts of alkaline on the defects property and crystallization kinetics in perovskite solar cells. <i>Nature Communications</i> , 2019, 10, 1112.	12.8	185
7	Microscopic Degradation in Formamidinium-Cesium Lead Iodide Perovskite Solar Cells under Operational Stressors. <i>Joule</i> , 2020, 4, 1743-1758.	24.0	156
8	Synergistic Effects of Eu-MOF on Perovskite Solar Cells with Improved Stability. <i>Advanced Materials</i> , 2021, 33, e2102947.	21.0	104
9	A Thermodynamically Favored Crystal Orientation in Mixed Formamidinium/Methylammonium Perovskite for Efficient Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1900390.	21.0	101
10	Promoting Energy Transfer via Manipulation of Crystallization Kinetics of Quasi-2D Perovskites for Efficient Green Light-Emitting Diodes. <i>Advanced Materials</i> , 2021, 33, e2102246.	21.0	88
11	Recent Advances in Improving Phase Stability of Perovskite Solar Cells. <i>Small Methods</i> , 2020, 4, 1900877.	8.6	74
12	Reducing Energy Disorder in Perovskite Solar Cells by Chelation. <i>Journal of the American Chemical Society</i> , 2022, 144, 5400-5410.	13.7	72
13	Exciton Self-Trapping for White Emission in 100-Oriented Two-Dimensional Perovskites via Halogen Substitution. <i>ACS Energy Letters</i> , 2022, 7, 453-460.	17.4	50
14	Facet-Dependent Control of PbI <sub>2</sub> Colloids for over 20% Efficient Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 358-367.	17.4	46
15	Temporal and spatial pinhole constraints in small-molecule hole transport layers for stable and efficient perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7338-7346.	10.3	41
16	Energy-Level Modulation in Diboron-Modified SnO <sub>2</sub> for High-Efficiency Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900217.	5.8	28
17	Insights into Large-Scale Fabrication Methods in Perovskite Photovoltaics. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000046.	5.8	27
18	Thermal Management Enables More Efficient and Stable Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 3029-3036.	17.4	26

#	ARTICLE	IF	CITATIONS
19	27.6% Perovskite/câ€Si Tandem Solar Cells Using Industrial Fabricated TOPCon Device. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	22
20	Balancing Energy-Level Difference for Efficient n-i-p Perovskite Solar Cells with Cu Electrode. <i>Energy Material Advances</i> , 2022, 2022, .	11.0	19
21	Carrier transport composites with suppressed glass-transition for stable planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14106-14113.	10.3	18
22	Interfacial-engineering enhanced performance and stability of ZnO nanowire-based perovskite solar cells. <i>Nanotechnology</i> , 2021, 32, 475204.	2.6	18
23	Temperatureâ€nsensitive Efficient Inorganic Perovskite Photovoltaics by Bulk Heterojunctions. <i>Advanced Materials</i> , 2022, , 2108357.	21.0	9
24	Integrated Tapping Mode Kelvin Probe Force Microscopy with Photoinduced Force Microscopy for Correlative Chemical and Surface Potential Mapping. <i>Small</i> , 2021, 17, e2102495.	10.0	7
25	Compositional Engineering for Compact Perovskite Absorber Fabrication Toward Efficient Photovoltaics. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 765-770.	2.5	1
26	Integrated Tapping Mode Kelvin Probe Force Microscopy with Photoinduced Force Microscopy for Correlative Chemical and Surface Potential Mapping (Small 37/2021). <i>Small</i> , 2021, 17, 2170194.	10.0	1