

Mingzhu Long

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,209
citations

471061

17
h-index

713013

21
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all docs

21
docs citations

21
times ranked

4490
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Halide Perovskite Solar Cell Precursors: Colloidal Chemistry and Coordination Engineering behind Device Processing for High Efficiency. <i>Journal of the American Chemical Society</i> , 2015, 137, 4460-4468.	6.6	586
2	Flexible Piezoelectric-Induced Pressure Sensors for Static Measurements Based on Nanowires/Graphene Heterostructures. <i>ACS Nano</i> , 2017, 11, 4507-4513.	7.3	435
3	Synergistic Effects of Plasmonics and Electron Trapping in Graphene Short-Wave Infrared Photodetectors with Ultrahigh Responsivity. <i>ACS Nano</i> , 2017, 11, 430-437.	7.3	192
4	Stable and Efficient 3D-2D Perovskite-Perovskite Planar Heterojunction Solar Cell without Organic Hole Transport Layer. <i>Joule</i> , 2018, 2, 2706-2721.	11.7	124
5	Graphene controlled Brewster angle device for ultra broadband terahertz modulation. <i>Nature Communications</i> , 2018, 9, 4909.	5.8	117
6	Effects of Alkyl Chain Length on Crystal Growth and Oxidation Process of Two-Dimensional Tin Halide Perovskites. <i>ACS Energy Letters</i> , 2020, 5, 1422-1429.	8.8	112
7	Nonstoichiometric acid-base reaction as reliable synthetic route to highly stable CH ₃ NH ₃ PbI ₃ perovskite film. <i>Nature Communications</i> , 2016, 7, 13503.	5.8	94
8	Stable and scalable 3D-2D planar heterojunction perovskite solar cells via vapor deposition. <i>Nano Energy</i> , 2019, 59, 619-625.	8.2	88
9	Large-Grain Formamidinium PbI ₃ Br _x for High-Performance Perovskite Solar Cells via Intermediate Halide Exchange. <i>Advanced Energy Materials</i> , 2017, 7, 1601882.	10.2	76
10	Crystallinity Preservation and Ion Migration Suppression through Dual Ion Exchange Strategy for Stable Mixed Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700118.	10.2	74
11	Ultrathin efficient perovskite solar cells employing a periodic structure of a composite hole conductor for elevated plasmonic light harvesting and hole collection. <i>Nanoscale</i> , 2016, 8, 6290-6299.	2.8	69
12	Interlayer Interaction Enhancement in Ruddlesden-Popper Perovskite Solar Cells toward High Efficiency and Phase Stability. <i>ACS Energy Letters</i> , 2019, 4, 1025-1033.	8.8	64
13	Abnormal Synergetic Effect of Organic and Halide Ions on the Stability and Optoelectronic Properties of a Mixed Perovskite via In Situ Characterizations. <i>Advanced Materials</i> , 2018, 30, e1801562.	11.1	55
14	Solution-processed PCDTBT capped low-voltage InGaZnOx thin film phototransistors for visible-light detection. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	34
15	Near-Infrared Photoresponse of One-Sided Abrupt MAPbI ₃ /TiO ₂ Heterojunction through a Tunneling Process. <i>Advanced Functional Materials</i> , 2016, 26, 8545-8554.	7.8	23
16	Enhanced Electrochemical Stability by Alkyldiammonium in Dion-Jacobson Perovskite toward Ultrastable Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100243.	3.6	21
17	Facet-Dependent Property of Sequentially Deposited Perovskite Thin Films: Chemical Origin and Self-Annihilation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32366-32375.	4.0	19
18	The compatibility of methylammonium and formamidinium in mixed cation perovskite: the optoelectronic and stability properties. <i>Nanotechnology</i> , 2021, 32, 075406.	1.3	14

#	ARTICLE	IF	CITATIONS
19	Suppressed Phase Segregation in High-Humidity-Processed Dion-Jacobson Perovskite Solar Cells Toward High Efficiency and Stability. <i>Solar Rrl</i> , 2021, 5, 2100555.	3.1	6
20	Thermal and illumination effects on a PbI_2 nanoplate and its transformation to $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite. <i>CrystEngComm</i> , 2019, 21, 736-740.	1.3	4
21	Perovskite Solar Cells: Large-Grain Formamidinium PbI_3 for High-Performance Perovskite Solar Cells via Intermediate Halide Exchange (<i>Adv. Energy Mater.</i> 12/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	2