

Yanqi Luo

List of Publications by Year in descending order

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14
papers

1,660
citations

932766

10
h-index

1058022

14
g-index

14
all docs

14
docs citations

14
times ranked

2690
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructive molecular configurations for surface-defect passivation of perovskite photovoltaics. <i>Science</i> , 2019, 366, 1509-1513.	6.0	846
2	Homogenized halides and alkali cation segregation in alloyed organic-inorganic perovskites. <i>Science</i> , 2019, 363, 627-631.	6.0	258
3	Microscopic Degradation in Formamidinium-Cesium Lead Iodide Perovskite Solar Cells under Operational Stressors. <i>Joule</i> , 2020, 4, 1743-1758.	11.7	156
4	Understanding Detrimental and Beneficial Grain Boundary Effects in Halide Perovskites. <i>Advanced Materials</i> , 2018, 30, e1804792.	11.1	128
5	Direct Observation of Halide Migration and its Effect on the Photoluminescence of Methylammonium Lead Bromide Perovskite Single Crystals. <i>Advanced Materials</i> , 2017, 29, 1703451.	11.1	83
6	Residual Nanoscale Strain in Cesium Lead Bromide Perovskite Reduces Stability and Shifts Local Luminescence. <i>Chemistry of Materials</i> , 2019, 31, 2778-2785.	3.2	53
7	X-ray Microscopy of Halide Perovskites: Techniques, Applications, and Prospects. <i>Advanced Energy Materials</i> , 2020, 10, 1903170.	10.2	49
8	The Relationship between Chemical Flexibility and Nanoscale Charge Collection in Hybrid Halide Perovskites. <i>Advanced Functional Materials</i> , 2018, 28, 1706995.	7.8	28
9	Effects of X-rays on Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17949-17956.	1.5	21
10	Impacts of the Hole Transport Layer Deposition Process on Buried Interfaces in Perovskite Solar Cells. <i>Cell Reports Physical Science</i> , 2020, 1, 100103.	2.8	17
11	Imaging Real-Time Amorphization of Hybrid Perovskite Solar Cells under Electrical Biasing. <i>ACS Energy Letters</i> , 2021, 6, 3530-3537.	8.8	12
12	Quantitative Specifications to Avoid Degradation during E-Beam and Induced Current Microscopy of Halide Perovskite Devices. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18961-18967.	1.5	4
13	Impact of Transition Metal Doping on the Structural and Optical Properties of Halide Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 6099-6107.	3.2	3
14	A reliable workflow for improving nanoscale X-ray fluorescence tomographic analysis on nanoparticle-treated HeLa cells. <i>Metallomics</i> , 2022, 14, .	1.0	2