

Wiley A Dunlap-Shohl

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,134
citations

567144

15
h-index

887953

17
g-index

24
all docs

24
docs citations

24
times ranked

2306
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic Approaches for Halide Perovskite Thin Films. <i>Chemical Reviews</i> , 2019, 119, 3193-3295.	23.0	454
2	Room-temperature fabrication of a delafossite CuCrO_2 hole transport layer for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 469-477.	5.2	91
3	Effects of Cd Diffusion and Doping in High-Performance Perovskite Solar Cells Using CdS as Electron Transport Layer. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16437-16445.	1.5	89
4	Melt Processing of Hybrid Organic-Inorganic Lead Iodide Layered Perovskites. <i>Chemistry of Materials</i> , 2017, 29, 6200-6204.	3.2	67
5	Dual-source evaporation of silver bismuth iodide films for planar junction solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2095-2105.	5.2	63
6	Melting temperature suppression of layered hybrid lead halide perovskites via organic ammonium cation branching. <i>Chemical Science</i> , 2019, 10, 1168-1175.	3.7	55
7	Tunable internal quantum well alignment in rationally designed oligomer-based perovskite films deposited by resonant infrared matrix-assisted pulsed laser evaporation. <i>Materials Horizons</i> , 2019, 6, 1707-1716.	6.4	48
8	Interfacial Effects during Rapid Lamination within MAPbI_3 Thin Films and Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 5083-5093.	2.5	41
9	Water-Accelerated Photooxidation of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite. <i>Journal of the American Chemical Society</i> , 2022, 144, 5552-5561.	6.6	40
10	Phase-Pure Hybrid Layered Lead Iodide Perovskite Films Based on a Two-Step Melt-Processing Approach. <i>Chemistry of Materials</i> , 2019, 31, 4267-4274.	3.2	37
11	MAPbI_3 Solar Cells with Absorber Deposited by Resonant Infrared Matrix-Assisted Pulsed Laser Evaporation. <i>ACS Energy Letters</i> , 2018, 3, 270-275.	8.8	32
12	Predicting the location of polar cusp in the Lyon-Fedder-Mobarry global magnetosphere simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6327-6337.	0.8	25
13	Mg Doped CuCrO_2 as Efficient Hole Transport Layers for Organic and Perovskite Solar Cells. <i>Nanomaterials</i> , 2019, 9, 1311.	1.9	24
14	Forecasting the Decay of Hybrid Perovskite Performance Using Optical Transmittance or Reflected Dark-Field Imaging. <i>ACS Energy Letters</i> , 2020, 5, 946-954.	8.8	22
15	Deposition of Methylammonium Lead Triiodide by Resonant Infrared Matrix-Assisted Pulsed Laser Evaporation. <i>Journal of Electronic Materials</i> , 2018, 47, 917-926.	1.0	19
16	Photovoltaic Effect in Indium(I) Iodide Thin Films. <i>Chemistry of Materials</i> , 2018, 30, 8226-8232.	3.2	13
17	Bifacial Perovskite Solar Cells via a Rapid Lamination Process. <i>ACS Applied Energy Materials</i> , 2020, 3, 9493-9497.	2.5	12
18	Quantitative Prediction of Perovskite Stability Using Accelerated Testing and Machine Learning. , 2020, , ,		2

#	ARTICLE	IF	CITATIONS
19	Resonant Infrared Matrix-Assisted Pulsed Laser Evaporation of Hybrid Perovskites. , 2018, , .		0
20	Quantitative Prediction of Perovskite Degradation over a Broad Range of Humidity, Oxygen, and Temperature Using Machine Learning and Training Data from Photoluminescence, Photoconductivity, and Optical Properties. , 0, , .		0