

Bekele Hailegnaw

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

687
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1485
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion-driven nanograin formation in early-stage degradation of tri-cation perovskite films. <i>Nanoscale</i> , 2022, 14, 2605-2616.	5.6	6
2	Role of additives and surface passivation on the performance of perovskite solar cells. <i>Materials for Renewable and Sustainable Energy</i> , 2022, 11, 47-70.	3.6	18
3	Impedance Spectroscopy of Perovskite Solar Cells: Studying the Dynamics of Charge Carriers Before and After Continuous Operation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000291.	1.8	54
4	Designing Ultraflexible Perovskite X-ray Detectors through Interface Engineering. <i>Advanced Science</i> , 2020, 7, 2002586.	11.2	44
5	Anti-Stokes photoluminescence study on a methylammonium lead bromide nanoparticle film. <i>Nanoscale</i> , 2020, 12, 16556-16561.	5.6	8
6	Nanoscale Charge Accumulation and Its Effect on Carrier Dynamics in Tri-cation Perovskite Structures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48057-48066.	8.0	21
7	Improving the Performance of Perovskite Solar Cells using a Polyphosphazene Interfacing Layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900436.	1.8	9
8	Acetylacetone Improves the Performance of Mixed Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23807-23816.	3.1	12
9	Optoelectronic Properties of Layered Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900126.	5.8	13
10	The influence of perovskite precursor composition on the morphology and photovoltaic performance of mixed halide MAPbI ₃ -xCl _x solar cells. <i>Solar Energy</i> , 2018, 163, 215-223.	6.1	36
11	Inverted (p-i-n) perovskite solar cells using a low temperature processed TiO ₂ interlayer. <i>RSC Advances</i> , 2018, 8, 24836-24846.	3.6	17
12	Depolymerization of Cellulose in Water Catalyzed by Phenylboronic Acid Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5799-5803.	6.7	17
13	Effect of short chain iodoalkane solvent additives on photovoltaic performance of poly(3-hexylthiophene) and phenyl-C61-butyric acid methyl ester based bulk heterojunction solar cells. <i>Thin Solid Films</i> , 2015, 589, 272-277.	1.8	4
14	Rain on Methylammonium Lead Iodide Based Perovskites: Possible Environmental Effects of Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1543-1547.	4.6	428