

Tracy H Schloemer

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,691
citations

623188

14
h-index

1058022

14
g-index

17
all docs

17
docs citations

17
times ranked

3324
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailored interfaces of unencapsulated perovskite solar cells for >1,000 hour operational stability. Nature Energy, 2018, 3, 68-74.	19.8	722
2	Doping strategies for small molecule organic hole-transport materials: impacts on perovskite solar cell performance and stability. Chemical Science, 2019, 10, 1904-1935.	3.7	279
3	Assessing health and environmental impacts of solvents for producing perovskite solar cells. Nature Sustainability, 2021, 4, 277-285.	11.5	117
4	Triplet fusion upconversion nanocapsules for volumetric 3D printing. Nature, 2022, 604, 474-478.	13.7	100
5	Thermally Stable Perovskite Solar Cells by Systematic Molecular Design of the Hole-Transport Layer. ACS Energy Letters, 2019, 4, 473-482.	8.8	66
6	The Role of Dimethylammonium in Bandgap Modulation for Stable Halide Perovskites. ACS Energy Letters, 2020, 5, 1856-1864.	8.8	65
7	Amine additive reactions induced by the soft Lewis acidity of Pb ²⁺ in halide perovskites. Part I: evidence for Pb-alkylamide formation. Journal of Materials Chemistry C, 2019, 7, 5251-5259.	2.7	56
8	Antisolvent Adduct Formation in All-Inorganic Metal Halide Perovskites. Advanced Energy Materials, 2020, 10, 1903365.	10.2	55
9	Using polymeric additives to enhance molecular gelation: impact of poly(acrylic acid) on pyridine-based gelators. Soft Matter, 2012, 8, 430-434.	1.2	49
10	The Molybdenum Oxide Interface Limits the High-Temperature Operational Stability of Unencapsulated Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 2349-2360.	8.8	49
11	Carbazole-Based Hole-Transport Materials for High-Efficiency and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 4492-4498.	2.5	47
12	Stability at Scale: Challenges of Module Interconnects for Perovskite Photovoltaics. ACS Energy Letters, 2018, 3, 2502-2503.	8.8	31
13	Amine additive reactions induced by the soft Lewis acidity of Pb ²⁺ in halide perovskites. Part II: impacts of amido Pb impurities in methylammonium lead triiodide thin films. Journal of Materials Chemistry C, 2019, 7, 5244-5250.	2.7	30
14	Beyond Strain: Controlling the Surface Chemistry of CsPbI ₃ Nanocrystal Films for Improved Stability against Ambient Reactive Oxygen Species. Chemistry of Materials, 2020, 32, 7850-7860.	3.2	23
15	Reflections on hosting summer undergraduate researchers in the midst of a pandemic. Matter, 2021, 4, 3074-3077.	5.0	1
16	Managing big data. Nature Energy, 0, , .	19.8	1
17	The Future of Scientific Leadership is Interdisciplinary: The 2019 CAS Future Leaders Share Their Vision. IScience, 2020, 23, 101442.	1.9	0