

Chan Myae Myae Soe

List of Publications by Year in descending order

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docs citations

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4621
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and thermodynamic limits of layer thickness in 2D halide perovskites. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 58-66.	7.1	236
2	Transient Sub-bandgap States in Halide Perovskite Thin Films. Nano Letters, 2018, 18, 827-831.	9.1	24
3	Stable Light-Emitting Diodes Using Phase-Pure Ruddlesden-Popper Layered Perovskites. Advanced Materials, 2018, 30, 1704217.	21.0	258
4	Understanding Film Formation Morphology and Orientation in High Member 2D Ruddlesden-Popper Perovskites for High-Efficiency Solar Cells. Advanced Energy Materials, 2018, 8, 1700979.	19.5	286
5	Dopant-Free Tetrakis-Triphenylamine Hole Transporting Material for Efficient Tin-Based Perovskite Solar Cells. Journal of the American Chemical Society, 2018, 140, 388-393.	13.7	163
6	Extremely efficient internal exciton dissociation through edge states in layered 2D perovskites. Science, 2017, 355, 1288-1292.	12.6	830
7	Spatially segregated free-carrier and exciton populations in individual lead halide perovskite grains. Nature Photonics, 2017, 11, 285-288.	31.4	83
8	High Members of the 2D Ruddlesden-Popper Halide Perovskites: Synthesis, Optical Properties, and Solar Cells of $(\text{CH}_3(\text{CH}_2)_3\text{NH}_3)_2(\text{CH}_3\text{NH}_3)_4\text{Pb}_5\text{I}_{16}$. Chem, 2017, 2, 427-440.	11.7	354
9	Enhanced Efficiency of Hot-Cast Large-Area Planar Perovskite Solar Cells/Modules Having Controlled Chloride Incorporation. Advanced Energy Materials, 2017, 7, 1601660.	19.5	191
10	Optical Properties and Modeling of 2D Perovskite Solar Cells. Solar Rrl, 2017, 1, 1700062.	5.8	48
11	New Type of 2D Perovskites with Alternating Cations in the Interlayer Space, $(\text{C}(\text{NH}_2)_2)_3(\text{CH}_3\text{NH}_3)_3\text{PbI}_3$ Structure, Properties, and Photovoltaic Performance. Journal of the American Chemical Society, 2017, 139, 16297-16309.	13.7	374
12	Dopant-Free Hole Transporting Polymers for High Efficiency, Environmentally Stable Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1600502.	19.5	156
13	Room Temperature Phase Transition in Methylammonium Lead Iodide Perovskite Thin Films Induced by Hydrohalic Acid Additives. ChemSusChem, 2016, 9, 2656-2665.	6.8	47