Tim Hellmann

List of Publications by Year
in descending order

12 papers	264 citations	1040056 9 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	472 citing authors

#	Article	IF	Citations
1	From Groundwork to Efficient Solar Cells: On the Importance of the Substrate Material in Coâ€Evaporated Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2104482.	14.9	51
2	Thermal Stability and Cation Composition of Hybrid Organicâ€“Inorganic Perovskites. ACS Applied Materials & Interfaces, 2021, 13, 15292-15304.	8.0	41
3	The Electronic Structure of MAPIâ€Based Perovskite Solar Cells: Detailed Band Diagram Determination by Photoemission Spectroscopy Comparing Classical and Inverted Device Stacks. Advanced Energy Materials, 2020, 10, 2002129.	19.5	33
4	A Lowâ€Temperature Molecular Precursor Approach to Copperâ€Based Nanoâ€Sized Digenite Mineral for Efficient Electrocatalytic Oxygen Evolution Reaction. Chemistry - an Asian Journal, 2020, 15, 852-859.	3.3	32
5	The difference in electronic structure of MAPI and MASI perovskites and its effect on the interface alignment to the HTMs spiro-MeOTAD and CuI. Journal of Materials Chemistry C, 2019, 7, 5324-5332.	5.5	22
6	Surface, Interface, and Bulk Electronic and Chemical Properties of Complete Perovskite Solar Cells: Tapered Cross-Section Photoelectron Spectroscopy, a Novel Solution. ACS Applied Materials & Interfaces, 2020, 12, 40949-40957.	8.0	22
7	Tapered Crossâ€Section Photoelectron Spectroscopy of Stateâ€ofâ€theâ€Art Mixed Ion Perovskite Solar Cells: Band Bending Profile in the Dark, Photopotential Profile Under Open Circuit Illumination, and Band Diagram. Advanced Functional Materials, 2020, 30, 1910679.	14.9	19
8	Preparation of methylammonium lead iodide (CH₃NH₃PbI₃) thin film perovskite solar cells by chemical vapor deposition using methylamine gas (CH₃NH₂) and hydrogen iodide gas. Energy Science and Engineering, 2020, 8, 3165-3173.	4.0	13
9	Carbonâ€Assisted Stable Silver Nanostructures. Advanced Materials Interfaces, 2020, 7, 2001227.	3.7	9
10	A comprehensive comparative study of CO2-resistance and oxygen permeability of 60Âwt % Ce0.8M0.2O2â€“ (M = La, Pr, Nd, Sm, Gd) - 40Âwt % La0.5Sr0.5Fe0.8Cu0.2O3â€“ dual-phase membranes. Journal of Membrane Science, 2021, 639, 119783.	8.2	9
11	Preparation of Methylammonium Tin Iodide (CH₃NH₃SnI₃) Perovskite Thin Films via Flash Evaporation. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900209.	1.8	8
12	Electroless Nanoplating of Iridium: Templateâ€Assisted Nanotube Deposition for the Continuous Flow Reduction of 4â€Nitrophenol. ChemElectroChem, 2020, 7, 3496-3507.	3.4	5