

Tim Hellmann

List of Publications by Year in descending order

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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	Thermal Stability and Cation Composition of Hybrid Organic-Inorganic Perovskites. ACS Applied Materials & Interfaces, 2021, 13, 15292-15304.	8.0	41
2	From Groundwork to Efficient Solar Cells: On the Importance of the Substrate Material in Co-Evaporated Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2104482.	14.9	51
3	A comprehensive comparative study of CO ₂ -resistance and oxygen permeability of 60Åwt % Ce _{0.8} MO ₂ (M = La, Pr, Nd, Sm, Gd) - 40Åwt % La _{0.5} Sr _{0.5} Fe _{0.8} Cu _{0.2} O ₃ dual-phase membranes. Journal of Membrane Science, 2021, 639, 119783.	8.2	9
4	The Electronic Structure of MAPI-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
5	Carbon-Assisted Stable Silver Nanostructures. Advanced Materials Interfaces, 2020, 7, 2001227.	3.7	9
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	Electroless Nanoplatinum of Iridium: Template-Assisted Nanotube Deposition for the Continuous Flow Reduction of 4-Nitrophenol. ChemElectroChem, 2020, 7, 3496-3507.	3.4	5
8	Tapered Cross-Section Photoelectron Spectroscopy of State-of-the-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
9	A Low-Temperature Molecular Precursor Approach to Copper-Based Nano-Sized Digenite Mineral for Efficient Electrocatalytic Oxygen Evolution Reaction. Chemistry - an Asian Journal, 2020, 15, 852-859.	3.3	32
10	Preparation of methylammonium lead iodide (CH ₃ NH ₃ PbI ₃) thin film perovskite solar cells by chemical vapor deposition using methylamine gas (CH ₃ NH ₂) and hydrogen iodide gas. Energy Science and Engineering, 2020, 8, 3165-3173.	4.0	13
11	Preparation of Methylammonium Tin Iodide (CH ₃ NH ₃ SnI ₃) Perovskite Thin Films via Flash Evaporation. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900209.	1.8	8
12	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