Moritz KÃ¶lbach

List of Publications by Year
in descending order

12	359	1039406 9	1125271 13
papers	citations	h-index	g-index

17	17	17	541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	pH-Dependent Stability of Î±-SnWO₄ Photoelectrodes. Chemistry of Materials, 2022, 34, 1590-1598.	3.2	8
2	Efficiency gains for thermally coupled solar hydrogen production in extreme cold. Energy and Environmental Science, 2021, 14, 4410-4417.	15.6	8
3	Interfacial Oxide Formation Limits the Photovoltage of Î±â€SnWO₄/NiO_x Photoanodes Prepared by Pulsed Laser Deposition. Advanced Energy Materials, 2021, 11, 2003183.	10.2	23
4	BaZrS₃ Chalcogenide Perovskite Thin Films by H₂S Sulfurization of Oxide Precursors. Journal of Physical Chemistry Letters, 2021, 12, 2148-2153.	2.1	46
5	Extraction of mobile charge carrier photogeneration yield spectrum of ultrathin-film metal oxide photoanodes for solar water splitting. Nature Materials, 2021, 20, 833-840.	13.3	32
6	Counterbalancing light absorption and ionic transport losses in the electrolyte for integrated solar water splitting with IIIâ€“V/Si dual-junctions. Applied Physics Letters, 2021, 119, .	1.5	3
7	Different Photostability of BiVO₄ in Near-pH-Neutral Electrolytes. ACS Applied Energy Materials, 2020, 3, 9523-9527.	2.5	41
8	Pulsed Laser Deposited Fe2TiO5 Photoanodes for Photoelectrochemical Water Oxidation. Journal of Physical Chemistry C, 2020, 124, 19911-19921.	1.5	11
9	Elucidating the Pulsed Laser Deposition Process of BiVO₄ Photoelectrodes for Solar Water Splitting. Journal of Physical Chemistry C, 2020, 124, 4438-4447.	1.5	35
10	Grain Boundaries Limit the Charge Carrier Transport in Pulsed Laser Deposited Î±-SnWO4 Thin Film Photoabsorbers. ACS Applied Energy Materials, 2020, 3, 4320-4330.	2.5	28
11	Revealing the Performance-Limiting Factors in Î±-SnWO₄ Photoanodes for Solar Water Splitting. Chemistry of Materials, 2018, 30, 8322-8331.	3.2	58
12	Evaluation of electrodeposited Î±-Mn 2 O 3 as a catalyst for the oxygen evolution reaction. Catalysis Today, 2017, 290, 2-9.	2.2	65