

Moritz Käglbach

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

359
citations

1039406

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1125271

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17
all docs

17
docs citations

17
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of electrodeposited Mn_2O_3 as a catalyst for the oxygen evolution reaction. <i>Catalysis Today</i> , 2017, 290, 2-9.	2.2	65
2	Revealing the Performance-Limiting Factors in SnWO_4 Photoanodes for Solar Water Splitting. <i>Chemistry of Materials</i> , 2018, 30, 8322-8331.	3.2	58
3	BaZrS_3 Chalcogenide Perovskite Thin Films by H_2S Sulfurization of Oxide Precursors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2148-2153.	2.1	46
4	Different Photostability of BiVO_4 in Near-pH-Neutral Electrolytes. <i>ACS Applied Energy Materials</i> , 2020, 3, 9523-9527.	2.5	41
5	Elucidating the Pulsed Laser Deposition Process of BiVO_4 Photoelectrodes for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4438-4447.	1.5	35
6	Extraction of mobile charge carrier photogeneration yield spectrum of ultrathin-film metal oxide photoanodes for solar water splitting. <i>Nature Materials</i> , 2021, 20, 833-840.	13.3	32
7	Grain Boundaries Limit the Charge Carrier Transport in Pulsed Laser Deposited SnWO_4 Thin Film Photoabsorbers. <i>ACS Applied Energy Materials</i> , 2020, 3, 4320-4330.	2.5	28
8	Interfacial Oxide Formation Limits the Photovoltage of $\text{SnWO}_4/\text{NiO}_x$ Photoanodes Prepared by Pulsed Laser Deposition. <i>Advanced Energy Materials</i> , 2021, 11, 2003183.	10.2	23
9	Pulsed Laser Deposited Fe_2TiO_5 Photoanodes for Photoelectrochemical Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19911-19921.	1.5	11
10	Efficiency gains for thermally coupled solar hydrogen production in extreme cold. <i>Energy and Environmental Science</i> , 2021, 14, 4410-4417.	15.6	8
11	pH-Dependent Stability of SnWO_4 Photoelectrodes. <i>Chemistry of Materials</i> , 2022, 34, 1590-1598.	3.2	8
12	Counterbalancing light absorption and ionic transport losses in the electrolyte for integrated solar water splitting with InGaAs/Si dual-junctions. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	3