

Carles Ros

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6773257/publications.pdf>

Version: 2024-02-01

10
papers

560
citations

932766

10
h-index

1372195

10
g-index

11
all docs

11
docs citations

11
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photoelectrochemical water splitting of hematite multilayer nanowire photoanodes by tuning the surface state via bottom-up interfacial engineering. <i>Energy and Environmental Science</i> , 2017, 10, 2124-2136.	15.6	185
2	Photoelectrochemical water splitting: a road from stable metal oxides to protected thin film solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10625-10669.	5.2	162
3	Charge Transfer Characterization of ALD-Grown TiO ₂ Protective Layers in Silicon Photocathodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17932-17941.	4.0	51
4	Facing Seawater Splitting Challenges by Regeneration with Ni ²⁺ /Mo ⁶⁺ /Fe Bifunctional Electrocatalyst for Hydrogen and Oxygen Evolution. <i>ChemSusChem</i> , 2021, 14, 2872-2881.	3.6	45
5	Turning Earth Abundant Kesterite-Based Solar Cells Into Efficient Protected Water-Splitting Photocathodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13425-13433.	4.0	31
6	Insight into the Degradation Mechanisms of Atomic Layer Deposited TiO ₂ as Photoanode Protective Layer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29725-29735.	4.0	29
7	Hydrogenation and Structuration of TiO ₂ Nanorod Photoanodes: Doping Level and the Effect of Illumination in Trap-States Filling. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3295-3304.	1.5	18
8	Conformal chalcopyrite based photocathode for solar refinery applications. <i>Solar Energy Materials and Solar Cells</i> , 2016, 158, 184-188.	3.0	14
9	Role of Bismuth in the Electrokinetics of Silicon Photocathodes for Solar Rechargeable Vanadium Redox Flow Batteries. <i>ChemSusChem</i> , 2018, 11, 125-129.	3.6	13
10	Degradation and regeneration mechanisms of NiO protective layers deposited by ALD on photoanodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21892-21902.	5.2	12