

Mathieu S PrÃ©vot

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

4,941
citations

361296

20
h-index

610775

24
g-index

26
all docs

26
docs citations

26
times ranked

8225
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical Route for Accessing Amorphous Metal Oxide Materials for Water Oxidation Catalysis. <i>Science</i> , 2013, 340, 60-63.	6.0	1,321
2	Water Oxidation Catalysis: Electrocatalytic Response to Metal Stoichiometry in Amorphous Metal Oxide Films Containing Iron, Cobalt, and Nickel. <i>Journal of the American Chemical Society</i> , 2013, 135, 11580-11586.	6.6	817
3	Photoelectrochemical Tandem Cells for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17879-17893.	1.5	487
4	MOF water harvesters. <i>Nature Nanotechnology</i> , 2020, 15, 348-355.	15.6	400
5	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. <i>ACS Central Science</i> , 2019, 5, 1699-1706.	5.3	340
6	Self-assembled 2D WSe ₂ thin films for photoelectrochemical hydrogen production. <i>Nature Communications</i> , 2015, 6, 7596.	5.8	235
7	Enhancing the Performance of a Robust Sol-Gel-Processed Delafossite CuFeO ₂ Photocathode for Solar Water Reduction. <i>ChemSusChem</i> , 2015, 8, 1359-1367.	3.6	223
8	Three-Dimensional Phthalocyanine Metal-Catecholates for High Electrochemical Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 17081-17085.	6.6	165
9	Evaluating Charge Carrier Transport and Surface States in CuFeO ₂ Photocathodes. <i>Chemistry of Materials</i> , 2017, 29, 4952-4962.	3.2	133
10	Surface modification of semiconductor photoelectrodes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15655-15674.	1.3	132
11	Evaluating spinel ferrites MFe ₂ O ₄ (M = Cu, Mg, Zn) as photoanodes for solar water oxidation: prospects and limitations. <i>Sustainable Energy and Fuels</i> , 2018, 2, 103-117.	2.5	119
12	Multiflake Thin Film Electronic Devices of Solution Processed 2D MoS ₂ Enabled by Sonopolymer Assisted Exfoliation and Surface Modification. <i>Chemistry of Materials</i> , 2014, 26, 5892-5899.	3.2	92
13	A Bottom-Up Approach toward All-Solution-Processed High-Efficiency Cu(In,Ga)S ₂ Photocathodes for Solar Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1501949.	10.2	88
14	Direct Light-Driven Water Oxidation by a Ladder-Type Conjugated Polymer Photoanode. <i>Journal of the American Chemical Society</i> , 2015, 137, 15338-15341.	6.6	87
15	Improving charge collection with delafossite photocathodes: a host-guest CuAlO ₂ /CuFeO ₂ approach. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3018-3026.	5.2	86
16	Enhancing the Charge Separation in Nanocrystalline Cu ₂ ZnSnS ₄ Photocathodes for Photoelectrochemical Application: The Role of Surface Modifications. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3902-3908.	2.1	43
17	Templating Sol-Gel Hematite Films with Sacrificial Copper Oxide: Enhancing Photoanode Performance with Nanostructure and Oxygen Vacancies. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16999-17007.	4.0	41
18	Challenges towards Economic Fuel Generation from Renewable Electricity: The Need for Efficient Electro-Catalysis. <i>Chimia</i> , 2015, 69, 789.	0.3	35

#	ARTICLE	IF	CITATIONS
19	A Gibeon meteorite yields a high-performance water oxidation electrocatalyst. <i>Energy and Environmental Science</i> , 2016, 9, 3448-3455.	15.6	35
20	Robust Hierarchically Structured Biphasic Ambipolar Oxide Photoelectrodes for Light-Driven Chemical Regulation and Switchable Logic Applications. <i>Advanced Materials</i> , 2016, 28, 9308-9312.	11.1	30
21	Casting Nanoporous Platinum in Metal-Organic Frameworks. <i>Advanced Materials</i> , 2019, 31, e1807553.	11.1	13
22	CuInGaS ₂ photocathodes treated with SbX ₃ (X = Se, Te, Cl, I): the effect of the halide on solar water splitting performance. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 044003.	1.3	12
23	Autodecomposition Approach for the Low-Temperature Mesostructuring of Nanocrystal Semiconductor Electrodes. <i>Chemistry of Materials</i> , 2015, 27, 6337-6344.	3.2	6
24	Switchable Photoelectrodes: Robust Hierarchically Structured Biphasic Ambipolar Oxide Photoelectrodes for Light-Driven Chemical Regulation and Switchable Logic Applications (<i>Adv. Mater.</i>)	Tj ETQq0 Q.0rgBT /Qverlock 10	