

# Maurin Cornuz

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

4,672  
citations

623734

14  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

5381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Induced Water Splitting with Hematite: Improved Nanostructure and Iridium Oxide Catalysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6405-6408.	13.8	966
2	Passivating surface states on water splitting hematite photoanodes with alumina overlayers. <i>Chemical Science</i> , 2011, 2, 737-743.	7.4	763
3	Photo-assisted electrodeposition of cobalt-phosphate (Co-Pi) catalyst on hematite photoanodes for solar water oxidation. <i>Energy and Environmental Science</i> , 2011, 4, 1759.	30.8	620
4	Identifying champion nanostructures for solar water-splitting. <i>Nature Materials</i> , 2013, 12, 842-849.	27.5	527
5	Highly efficient water splitting by a dual-absorber tandem cell. <i>Nature Photonics</i> , 2012, 6, 824-828.	31.4	437
6	Back Electron-Hole Recombination in Hematite Photoanodes for Water Splitting. <i>Journal of the American Chemical Society</i> , 2014, 136, 2564-2574.	13.7	393
7	Cathodic shift in onset potential of solar oxygen evolution on hematite by 13-group oxide overlayers. <i>Energy and Environmental Science</i> , 2011, 4, 2512.	30.8	269
8	Ultrafast Charge Carrier Recombination and Trapping in Hematite Photoanodes under Applied Bias. <i>Journal of the American Chemical Society</i> , 2014, 136, 9854-9857.	13.7	238
9	Examining architectures of photoanode-photovoltaic tandem cells for solar water splitting. <i>Journal of Materials Research</i> , 2010, 25, 17-24.	2.6	166
10	Transparent, Conducting Nb:SnO <sub>2</sub> for Host-Guest Photoelectrochemistry. <i>Nano Letters</i> , 2012, 12, 5431-5435.	9.1	122
11	A Ga <sub>2</sub> O <sub>3</sub> underlayer as an isomorphic template for ultrathin hematite films toward efficient photoelectrochemical water splitting. <i>Faraday Discussions</i> , 2012, 155, 223-232.	3.2	95
12	Improved detection of key odourants in Arabica coffee using gas chromatography-olfactometry in combination with low energy electron ionisation gas chromatography-quadrupole time-of-flight mass spectrometry. <i>Food Chemistry</i> , 2020, 302, 125370.	8.2	25
13	A systematic study of key odourants, non-volatile compounds, and antioxidant capacity of cascara (dried <i>Coffea arabica</i> pulp). <i>LWT - Food Science and Technology</i> , 2021, 138, 110630.	5.2	19
14	Effect of solid-state fungal fermentation on the non-volatiles content and volatiles composition of <i>Coffea canephora</i> (Robusta) coffee beans. <i>Food Chemistry</i> , 2021, 337, 128023.	8.2	17
15	Combination of solid phase microextraction and low energy electron ionisation gas chromatography-quadrupole time-of-flight mass spectrometry to meet the challenges of flavour analysis. <i>Talanta</i> , 2021, 235, 122793.	5.5	9
16	Recent advances in analytical strategies for coffee volatile studies: Opportunities and challenges. <i>Food Chemistry</i> , 2022, 388, 132971.	8.2	6