

Mariana C O Monteiro

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,163
citations

687363

13
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Absence of CO ₂ electroreduction on copper, gold and silver electrodes without metal cations in solution. <i>Nature Catalysis</i> , 2021, 4, 654-662.	34.4	386
2	Efficiency and selectivity of CO ₂ reduction to CO on gold gas diffusion electrodes in acidic media. <i>Nature Communications</i> , 2021, 12, 4943.	12.8	170
3	The Role of Cation Acidity on the Competition between Hydrogen Evolution and CO ₂ Reduction on Gold Electrodes. <i>Journal of the American Chemical Society</i> , 2022, 144, 1589-1602.	13.7	127
4	Electrolyte Effects on CO ₂ Electrochemical Reduction to CO. <i>Accounts of Chemical Research</i> , 2022, 55, 1900-1911.	15.6	112
5	Understanding Cation Trends for Hydrogen Evolution on Platinum and Gold Electrodes in Alkaline Media. <i>ACS Catalysis</i> , 2021, 11, 14328-14335.	11.2	87
6	Measuring local pH in electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2021, 25, 100649.	4.8	60
7	Time-Resolved Local pH Measurements during CO ₂ Reduction Using Scanning Electrochemical Microscopy: Buffering and Tip Effects. <i>Jacs Au</i> , 2021, 1, 1915-1924.	7.9	42
8	Mediator-Free SECM for Probing the Diffusion Layer pH with Functionalized Gold Ultramicroelectrodes. <i>Analytical Chemistry</i> , 2020, 92, 2237-2243.	6.5	37
9	From Waste to Valuable Resource: Lignin as a Sustainable Anti-Corrosion Coating. <i>Coatings</i> , 2018, 8, 454.	2.6	34
10	Understanding the Voltammetry of Bulk CO Electrooxidation in Neutral Media through Combined SECM Measurements. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9708-9713.	4.6	30
11	Alumina contamination through polishing and its effect on hydrogen evolution on gold electrodes. <i>Electrochimica Acta</i> , 2019, 325, 134915.	5.2	26
12	Probing the local activity of CO ₂ reduction on gold gas diffusion electrodes: effect of the catalyst loading and CO ₂ pressure. <i>Chemical Science</i> , 2021, 12, 15682-15690.	7.4	19
13	Interfacial pH Measurements Using a Rotating Ring-Disc Electrode with a Voltammetric pH Sensor. <i>ChemElectroChem</i> , 2022, 9, .	3.4	15
14	Metal-Phosphate Bilayers for Anatase Surface Modification. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6661-6672.	8.0	10
15	Tuning Anatase Surface Reactivity toward Carboxylic Acid Anchor Groups. <i>Langmuir</i> , 2017, 33, 13913-13922.	3.5	6
16	Electrolyte buffering species as oxygen donor shuttles in CO electrooxidation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2022-2031.	2.8	2