

Carlos Gilberto Morales-Guio

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

5,347
citations

430874

18
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

8446
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured hydrotreating catalysts for electrochemical hydrogen evolution. <i>Chemical Society Reviews</i> , 2014, 43, 6555.	38.1	2,037
2	Amorphous Molybdenum Sulfides as Hydrogen Evolution Catalysts. <i>Accounts of Chemical Research</i> , 2014, 47, 2671-2681.	15.6	529
3	Improved CO ₂ reduction activity towards C ₂ + alcohols on a tandem gold on copper electrocatalyst. <i>Nature Catalysis</i> , 2018, 1, 764-771.	34.4	501
4	Hydrogen evolution from a copper(I) oxide photocathode coated with an amorphous molybdenum sulphide catalyst. <i>Nature Communications</i> , 2014, 5, 3059.	12.8	418
5	Oxidatively Electrodeposited Thin-Film Transition Metal (Oxy)hydroxides as Oxygen Evolution Catalysts. <i>Journal of the American Chemical Society</i> , 2016, 138, 8946-8957.	13.7	376
6	Electrochemical Carbon Monoxide Reduction on Polycrystalline Copper: Effects of Potential, Pressure, and pH on Selectivity toward Multicarbon and Oxygenated Products. <i>ACS Catalysis</i> , 2018, 8, 7445-7454.	11.2	305
7	An Optically Transparent Iron Nickel Oxide Catalyst for Solar Water Splitting. <i>Journal of the American Chemical Society</i> , 2015, 137, 9927-9936.	13.7	247
8	Double layer charging driven carbon dioxide adsorption limits the rate of electrochemical carbon dioxide reduction on Gold. <i>Nature Communications</i> , 2020, 11, 33.	12.8	188
9	Electrochemically converting carbon monoxide to liquid fuels by directing selectivity with electrode surface area. <i>Nature Catalysis</i> , 2019, 2, 702-708.	34.4	170
10	Photoelectrochemical Hydrogen Production in Alkaline Solutions Using Cu ₂ O Coated with Earth-Abundant Hydrogen Evolution Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 664-667.	13.8	134
11	Selective reduction of CO to acetaldehyde with CuAg electrocatalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12572-12575.	7.1	85
12	Solar Hydrogen Production by Amorphous Silicon Photocathodes Coated with a Magnetron Sputter Deposited Mo ₂ C Catalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 7035-7038.	13.7	80
13	Guiding Electrochemical Carbon Dioxide Reduction toward Carbonyls Using Copper Silver Thin Films with Interphase Miscibility. <i>ACS Energy Letters</i> , 2018, 3, 2947-2955.	17.4	75
14	Electrochemical Direct Partial Oxidation of Methane to Methanol. <i>Joule</i> , 2019, 3, 2589-2593.	24.0	58
15	Photoelectrochemical deposition of CoP on cuprous oxide photocathodes for solar hydrogen production. <i>Electrochimica Acta</i> , 2017, 235, 311-316.	5.2	24
16	Gastight rotating cylinder electrode: Toward decoupling mass transport and intrinsic kinetics in electrocatalysis. <i>AIChE Journal</i> , 2022, 68, .	3.6	21
17	Highly Selective Catalytic Reduction of Nitro- to Azoarenes under Ambient Conditions. <i>Topics in Catalysis</i> , 2014, 57, 1526-1532.	2.8	18
18	Guiding the Catalytic Properties of Copper for Electrochemical CO ₂ Reduction by Metal Atom Decoration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52044-52054.	8.0	16

#	ARTICLE	IF	CITATIONS
19	Recent advances in the electrochemical production of chemicals from methane. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100793.	4.8	11
20	Machine Learning-Based Operational Modeling of an Electrochemical Reactor: Handling Data Variability and Improving Empirical Models. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 8399-8410.	3.7	11
21	Combined Experimental and Multi-Scale Modeling Approach to the Development of Electrocatalysts with Improved CO ₂ Reduction Activity Towards C ₂ + Alcohols. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1469-1469.	0.0	0