

# Carlos Gilberto Morales-Guio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5191384/publications.pdf>

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	Gastight rotating cylinder electrode: Toward decoupling mass transport and intrinsic kinetics in electrocatalysis. <i>AICHE Journal</i> , 2022, 68, .	3.6	21
2	Machine Learning-Based Operational Modeling of an Electrochemical Reactor: Handling Data Variability and Improving Empirical Models. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 8399-8410.	3.7	11
3	Guiding the Catalytic Properties of Copper for Electrochemical CO <sub>2</sub> Reduction by Metal Atom Decoration. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 52044-52054.	8.0	16
4	Recent advances in the electrochemical production of chemicals from methane. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100793.	4.8	11
5	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
6	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
7	Combined Experimental and Multi-Scale Modeling Approach to the Development of Electrocatalysts with Improved CO <sub>2</sub> Reduction Activity Towards C <sub>2</sub> + Alcohols. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1469-1469.	0.0	0
8	Electrochemical Direct Partial Oxidation of Methane to Methanol. <i>Joule</i> , 2019, 3, 2589-2593.	24.0	58
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	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
11	Improved CO <sub>2</sub> reduction activity towards C <sub>2</sub> + alcohols on a tandem gold on copper electrocatalyst. <i>Nature Catalysis</i> , 2018, 1, 764-771.	34.4	501
12	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
13	Photoelectrochemical deposition of CoP on cuprous oxide photocathodes for solar hydrogen production. <i>Electrochimica Acta</i> , 2017, 235, 311-316.	5.2	24
14	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
15	Photoelectrochemical Hydrogen Production in Alkaline Solutions Using Cu <sub>2</sub> O Coated with Earth-Abundant Hydrogen Evolution Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 664-667.	13.8	134
16	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
17	Solar Hydrogen Production by Amorphous Silicon Photocathodes Coated with a Magnetron Sputter Deposited Mo <sub>2</sub> C Catalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 7035-7038.	13.7	80
18	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

#	ARTICLE	IF	CITATIONS
19	Amorphous Molybdenum Sulfides as Hydrogen Evolution Catalysts. <i>Accounts of Chemical Research</i> , 2014, 47, 2671-2681.	15.6	529
20	Highly Selective Catalytic Reduction of Nitro- to Azoarenes under Ambient Conditions. <i>Topics in Catalysis</i> , 2014, 57, 1526-1532.	2.8	18
21	Nanostructured hydrotreating catalysts for electrochemical hydrogen evolution. <i>Chemical Society Reviews</i> , 2014, 43, 6555.	38.1	2,037