Joaquin Resasco

List of Publications by Year
in descending order

22 papers	5,063 citations	346980 22 h-index	685536 24 g-index
24 all docs	24 docs citations	24 times ranked	9313 citing authors

#	Article	IF	Citations
1	Enhancing the connection between computation and experiments in electrocatalysis. Nature Catalysis, 2022, 5, 374-381.	16.1	45
2	Uniformity Is Key in Defining Structureâ€“Function Relationships for Atomically Dispersed Metal Catalysts: The Case of Pt/CeO₂. Journal of the American Chemical Society, 2020, 142, 169-184.	6.6	170
3	Relationship between Atomic Scale Structure and Reactivity of Pt Catalysts: Hydrodeoxygenation of <i>m</i>-Cresol over Isolated Pt Cations and Clusters. ACS Catalysis, 2020, 10, 595-603.	5.5	68
4	Atomically Dispersed Pt-group Catalysts: Reactivity, Uniformity, Structural Evolution, and Paths to Increased Functionality. Journal of Physical Chemistry Letters, 2020, 11, 10114-10123.	2.1	24
5	Electrocatalytic CO2 Reduction to Fuels: Progress and Opportunities. Trends in Chemistry, 2020, 2, 825-836.	4.4	104
6	Dynamic Control of Elementary Step Energetics via Pulsed Illumination Enhances Photocatalysis on Metal Nanoparticles. ACS Energy Letters, 2020, 5, 3518-3525.	8.8	41
7	The Catalytic Mechanics of Dynamic Surfaces: Stimulating Methods for Promoting Catalytic Resonance. ACS Catalysis, 2020, 10, 12666-12695.	5.5	54
8	Understanding cation effects in electrochemical CO₂ reduction. Energy and Environmental Science, 2019, 12, 3001-3014.	15.6	433
9	Structural evolution of atomically dispersed Pt catalysts dictates reactivity. Nature Materials, 2019, 18, 746-751.	13.3	404
10	Effects of Anion Identity and Concentration on Electrochemical Reduction of CO₂. ChemElectroChem, 2018, 5, 1064-1072.	1.7	165
11	Standards and Protocols for Data Acquisition and Reporting for Studies of the Electrochemical Reduction of Carbon Dioxide. ACS Catalysis, 2018, 8, 6560-6570.	5.5	250
12	Combining <i>In-Situ</i> Transmission Electron Microscopy and Infrared Spectroscopy for Understanding Dynamic and Atomic-Scale Features of Supported Metal Catalysts. Journal of Physical Chemistry C, 2018, 122, 25143-25157.	1.5	41
13	Approaches for Understanding and Controlling Interfacial Effects in Oxide-Supported Metal Catalysts. ACS Catalysis, 2018, 8, 7368-7387.	5.5	224
14	Promoter Effects of Alkali Metal Cations on the Electrochemical Reduction of Carbon Dioxide. Journal of the American Chemical Society, 2017, 139, 11277-11287.	6.6	653
15	Solution-Processed Copper/Reduced-Graphene-Oxide Core/Shell Nanowire Transparent Conductors. ACS Nano, 2016, 10, 2600-2606.	7.3	155
16	TiO₂/BiVO₄ Nanowire Heterostructure Photoanodes Based on Type II Band Alignment. ACS Central Science, 2016, 2, 80-88.	5.3	263
17	<i>Operando</i> Spectroscopic Analysis of an Amorphous Cobalt Sulfide Hydrogen Evolution Electrocatalyst. Journal of the American Chemical Society, 2015, 137, 7448-7455.	6.6	330
18	Atomic Structure of Pt₃Ni Nanoframe Electrocatalysts by <i>in Situ</i> X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2015, 137, 15817-15824.	6.6	197

#	Article	IF	Citations
19	MoS2-wrapped silicon nanowires for photoelectrochemical water reduction. Nano Research, 2015, 8, 281-287.	5.8	87
20	Hybrid bioinorganic approach to solar-to-chemical conversion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11461-11466.	3.3	234
21	Synergistic geometric and electronic effects for electrochemical reduction of carbon dioxide using goldâ€"copper bimetallic nanoparticles. Nature Communications, 2014, 5, 4948.	5.8	1,062
22	Uniform Doping of Metal Oxide Nanowires Using Solid State Diffusion. Journal of the American Chemical Society, 2014, 136, 10521-10526.	6.6	50