

Oscar Diaz-Morales

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7765439/publications.pdf>

Version: 2024-02-01

24
papers

5,465
citations

430874

18
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

7613
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemisorbed oxygen or surface oxides steer the selectivity in Pd electrocatalytic propene oxidation observed by <i>operando</i> Pd L-edge X-ray absorption spectroscopy. <i>Catalysis Science and Technology</i> , 2021, 11, 3347-3352.	4.1	6
2	Electrochemical Carbon Dioxide Reduction on Femtosecond Laser-Processed Copper Electrodes: Effect on the Liquid Products by Structuring and Doping. <i>ACS Applied Energy Materials</i> , 2021, 4, 5927-5934.	5.1	5
3	Sources of Oxygen Produced in the Chlorate Process Utilizing Dimensionally Stable Anode (DSA) Electrodes Doped by Sn and Sb. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13505-13514.	3.7	5
4	Key activity descriptors of nickel-iron oxygen evolution electrocatalysts in the presence of alkali metal cations. <i>Nature Communications</i> , 2020, 11, 6181.	12.8	80
5	Impurity as a virtue. <i>Nature Energy</i> , 2020, 5, 193-194.	39.5	5
6	Selective electrochemical hydrogen evolution on cerium oxide protected catalyst surfaces. <i>Electrochimica Acta</i> , 2020, 341, 136022.	5.2	13
7	Hydrogen adsorption on nano-structured platinum electrodes. <i>Faraday Discussions</i> , 2018, 210, 301-315.	3.2	27
8	Iron-Based Perovskites for Catalyzing Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8445-8454.	3.1	106
9	The stability number as a metric for electrocatalyst stability benchmarking. <i>Nature Catalysis</i> , 2018, 1, 508-515.	34.4	533
10	Activating lattice oxygen redox reactions in metal oxides to catalyse oxygen evolution. <i>Nature Chemistry</i> , 2017, 9, 457-465.	13.6	1,409
11	Orientation-Dependent Oxygen Evolution on RuO ₂ without Lattice Exchange. <i>ACS Energy Letters</i> , 2017, 2, 876-881.	17.4	251
12	Stability and Effects of Subsurface Oxygen in Oxide-Derived Cu Catalyst for CO ₂ Reduction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25010-25017.	3.1	92
13	Nature and Distribution of Stable Subsurface Oxygen in Copper Electrodes During Electrochemical CO ₂ Reduction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25003-25009.	3.1	98
14	Iridium-based double perovskites for efficient water oxidation in acid media. <i>Nature Communications</i> , 2016, 7, 12363.	12.8	353
15	The importance of nickel oxyhydroxide deprotonation on its activity towards electrochemical water oxidation. <i>Chemical Science</i> , 2016, 7, 2639-2645.	7.4	494
16	Early stages of catalyst aging in the iridium mediated water oxidation reaction. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10931-10940.	2.8	14
17	Hydrogen Oxidation and Hydrogen Evolution on a Platinum Electrode in Acetonitrile. <i>ChemElectroChem</i> , 2015, 2, 1612-1622.	3.4	36
18	In Situ Observation of Active Oxygen Species in Fe-Containing Ni-Based Oxygen Evolution Catalysts: The Effect of pH on Electrochemical Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 15112-15121.	13.7	459

#	ARTICLE	IF	CITATIONS
19	Guidelines for the Rational Design of Ni-Based Double Hydroxide Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2015, 5, 5380-5387.	11.2	472
20	Electrocatalytic reduction of carbon dioxide to carbon monoxide and methane at an immobilized cobalt protoporphyrin. <i>Nature Communications</i> , 2015, 6, 8177.	12.8	456
21	Why Is Bulk Thermochemistry a Good Descriptor for the Electrocatalytic Activity of Transition Metal Oxides?. <i>ACS Catalysis</i> , 2015, 5, 869-873.	11.2	189
22	Electrochemical and Spectroelectrochemical Characterization of an Iridium-Based Molecular Catalyst for Water Splitting: Turnover Frequencies, Stability, and Electrolyte Effects. <i>Journal of the American Chemical Society</i> , 2014, 136, 10432-10439.	13.7	83
23	Current transient study of the kinetics of nucleation and diffusion-controlled growth of bimetallic phases. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 345-351.	2.5	38
24	Electrochemical water splitting by gold: evidence for an oxide decomposition mechanism. <i>Chemical Science</i> , 2013, 4, 2334.	7.4	229