

David Raciti

List of Publications by Year in descending order

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29
papers

1,984
citations

430754

18
h-index

552653

26
g-index

30
all docs

30
docs citations

30
times ranked

3350
citing authors

#	ARTICLE	IF	CITATIONS
1	Compressive Stress and Charge Redistribution during CO Adsorption onto Pt. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4446-4457.	1.5	0
2	Potentiometric Rotating Ring Disk Electrode Study of Interfacial pH during CO ₂ Reduction and H ₂ Generation in Neutral and Weakly Acidic Media. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7456-7467.	1.5	7
3	Endothermic reaction at room temperature enabled by deep-ultraviolet plasmons. <i>Nature Materials</i> , 2021, 20, 346-352.	13.3	31
4	High-Aspect-Ratio Ag Nanowire Mat Electrodes for Electrochemical CO Production from CO ₂ . <i>ACS Catalysis</i> , 2021, 11, 11945-11959.	5.5	20
5	Surface Hydride Formation on Cu(111) and Its Decomposition to Form H ₂ in Acid Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10936-10941.	2.1	11
6	Prolonged culture in aerobic environments alters Escherichia coli H ₂ production capacity. <i>Engineering Reports</i> , 2020, 2, e12161.	0.9	0
7	Operando Transmission Electron Microscopy of Catalyst Decoking Activated by Ultraviolet Surface Plasmons. <i>Microscopy and Microanalysis</i> , 2020, 26, 1698-1699.	0.2	0
8	In-Operando characterization of Electrochemical Interfaces Via Shiners: Shell-Isolated Nanoparticle Enhanced Raman Spectroscopy. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1152-1152.	0.0	0
9	Copper Nanocubes for CO ₂ Reduction in Gas Diffusion Electrodes. <i>Nano Letters</i> , 2019, 19, 8461-8468.	4.5	135
10	Tunable intrinsic strain in two-dimensional transition metal electrocatalysts. <i>Science</i> , 2019, 363, 870-874.	6.0	384
11	Electrocatalytic Oxidation of Glycerol on Platinum. <i>Journal of Physical Chemistry C</i> , 2019, 123, 426-432.	1.5	26
12	H-Cell Vs Gas Diffusion Electrolyzer for Evaluating Intrinsic Activity of Nanocatalysts for Electrochemical CO ₂ Reduction. <i>ECS Meeting Abstracts</i> , 2019, MA2019-02, 1072-1072.	0.0	1
13	Mass transport modelling for the electroreduction of CO ₂ on Cu nanowires. <i>Nanotechnology</i> , 2018, 29, 044001.	1.3	82
14	Mass transfer effects in CO ₂ reduction on Cu nanowire electrocatalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 2364-2369.	2.1	54
15	Comparative Studies of Ethanol and Ethylene Glycol Oxidation on Platinum Electrocatalysts. <i>Topics in Catalysis</i> , 2018, 61, 1035-1042.	1.3	9
16	Electrochemical alternative to Fischer-Tropsch. <i>Nature Catalysis</i> , 2018, 1, 741-742.	16.1	17
17	Electro-Oxidation of Ethanol Using Pt ₃ Sn Alloy Nanoparticles. <i>ACS Catalysis</i> , 2018, 8, 10931-10937.	5.5	53
18	Three-Dimensional Hierarchical Copper-Based Nanostructures as Advanced Electrocatalysts for CO ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2018, 1, 2392-2398.	2.5	27

#	ARTICLE	IF	CITATIONS
19	Recent Advances in CO ₂ Reduction Electrocatalysis on Copper. ACS Energy Letters, 2018, 3, 1545-1556.	8.8	280
20	High-Flux CO Reduction Enabled by Three-Dimensional Nanostructured Copper Electrodes. ACS Catalysis, 2018, 8, 5657-5663.	5.5	35
21	Local pH Effect in the CO ₂ Reduction Reaction on High-Surface-Area Copper Electrocatalysts. Journal of the Electrochemical Society, 2018, 165, F799-F804.	1.3	90
22	Improved Prediction of Nanoalloy Structures by the Explicit Inclusion of Adsorbates in Cluster Expansions. Journal of Physical Chemistry C, 2018, 122, 18040-18047.	1.5	19
23	Low-Overpotential Electroreduction of Carbon Monoxide Using Copper Nanowires. ACS Catalysis, 2017, 7, 4467-4472.	5.5	137
24	Mechanistic Insights for Low-Overpotential Electroreduction of CO ₂ to CO on Copper Nanowires. ACS Catalysis, 2017, 7, 8578-8587.	5.5	106
25	Recent Development of Platinum-Based Nanocatalysts for Oxygen Reduction Electrocatalysis. Nanostructure Science and Technology, 2016, , 253-280.	0.1	2
26	Macromolecular Brushes as Stabilizers of Hydrophobic Solute Nanoparticles. Molecular Pharmaceutics, 2016, 13, 1855-1865.	2.3	13
27	Synthesis of Platinum Nanotubes and Nanorings via Simultaneous Metal Alloying and Etching. Journal of the American Chemical Society, 2016, 138, 6332-6335.	6.6	49
28	Pt3Re alloy nanoparticles as electrocatalysts for the oxygen reduction reaction. Nano Energy, 2016, 20, 202-211.	8.2	38
29	Highly Dense Cu Nanowires for Low-Overpotential CO ₂ Reduction. Nano Letters, 2015, 15, 6829-6835.	4.5	354