

# Nathan T Nesbitt

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

345  
citations

933447

10  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-Solid Boundaries Dominate Activity of CO <sub>2</sub> Reduction on Gas-Diffusion Electrodes. <i>ACS Catalysis</i> , 2020, 10, 14093-14106.	11.2	114
2	Orientation of a bipolar membrane determines the dominant ion and carbonic species transport in membrane electrode assemblies for CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11179-11186.	10.3	40
3	Wireless communication system via nanoscale plasmonic antennas. <i>Scientific Reports</i> , 2016, 6, 31710.	3.3	38
4	Au Dendrite Electrocatalysts for CO <sub>2</sub> Electrolysis. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10006-10016.	3.1	30
5	On-Chip Electrochemical Detection of Cholera Using a Polypyrrole-Functionalized Dendritic Gold Sensor. <i>ACS Sensors</i> , 2019, 4, 654-659.	7.8	27
6	Characterizing CO <sub>2</sub> Reduction Catalysts on Gas Diffusion Electrodes: Comparing Activity, Selectivity, and Stability of Transition Metal Catalysts. <i>ACS Applied Energy Materials</i> , 2022, 5, 5983-5994.	5.1	23
7	Water and Solute Activities Regulate CO <sub>2</sub> Reduction in Gas-Diffusion Electrodes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13085-13095.	3.1	15
8	Aluminum Nanowire Arrays via Directed Assembly. <i>Nano Letters</i> , 2015, 15, 7294-7299.	9.1	14
9	Copper and silver gas diffusion electrodes performing CO <sub>2</sub> reduction studied through <i>in operando</i> X-ray absorption spectroscopy. <i>Catalysis Science and Technology</i> , 2020, 10, 5870-5885.	4.1	13
10	A Review: Methods To Fabricate Vertically Oriented Metal Nanowire Arrays. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 10949-10957.	3.7	11
11	Electrochemical CO <sub>2</sub> Reduction Over Bimetallic Au-Sn Thin Films: Comparing Activity and Selectivity against Morphological, Compositional, and Electronic Differences. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14573-14580.	3.1	9
12	Operando Topography and Mechanical Property Mapping of CO <sub>2</sub> Reduction Gas-Diffusion Electrodes Operating at High Current Densities. <i>Journal of the Electrochemical Society</i> , 2021, 168, 044505.	2.9	9
13	Facile fabrication and formation mechanism of aluminum nanowire arrays. <i>Nanotechnology</i> , 2020, 31, 095301.	2.6	1