

# Daniel Friebe

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

4,854  
citations

331670

21  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

7966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Highly Active Fe Sites in (Ni,Fe)OOH for Electrocatalytic Water Splitting. Journal of the American Chemical Society, 2015, 137, 1305-1313.	13.7	2,018
2	In situ Observation of Surface Species on Iridium Oxide Nanoparticles during the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2014, 53, 7169-7172.	13.8	386
3	Ambient-Pressure XPS Study of a Ni-Fe Electrocatalyst for the Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2016, 120, 2247-2253.	3.1	336
4	Subsurface Oxygen in Oxide-Derived Copper Electrocatalysts for Carbon Dioxide Reduction. Journal of Physical Chemistry Letters, 2017, 8, 285-290.	4.6	332
5	Direct observation of the oxygenated species during oxygen reduction on a platinum fuel cell cathode. Nature Communications, 2013, 4, .	12.8	325
6	Mass-selected nanoparticles of Pt <sub>x</sub> Y as model catalysts for oxygen electroreduction. Nature Chemistry, 2014, 6, 732-738.	13.6	298
7	Formation of Copper Catalysts for CO <sub>2</sub> Reduction with High Ethylene/Methane Product Ratio Investigated with In Situ X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2016, 7, 1466-1470.	4.6	131
8	Balance of Nanostructure and Bimetallic Interactions in Pt Model Fuel Cell Catalysts: In Situ XAS and DFT Study. Journal of the American Chemical Society, 2012, 134, 9664-9671.	13.7	117
9	In situ X-ray probing reveals fingerprints of surface platinum oxide. Physical Chemistry Chemical Physics, 2011, 13, 262-266.	2.8	110
10	Electrochemical Oxidation of Size-Selected Pt Nanoparticles Studied Using in Situ High-Energy-Resolution X-ray Absorption Spectroscopy. ACS Catalysis, 2012, 2, 2371-2376.	11.2	105
11	Importance of Surface Ir in Stabilizing RuO <sub>2</sub> for Oxygen Evolution. Journal of Physical Chemistry B, 2018, 122, 947-955.	2.6	95
12	On the chemical state of Co oxide electrocatalysts during alkaline water splitting. Physical Chemistry Chemical Physics, 2013, 15, 17460.	2.8	89
13	The enhanced activity of mass-selected Pt Gd nanoparticles for oxygen electroreduction. Journal of Catalysis, 2015, 328, 297-307.	6.2	83
14	Structure, Redox Chemistry, and Interfacial Alloy Formation in Monolayer and Multilayer Cu/Au(111) Model Catalysts for CO <sub>2</sub> Electroreduction. Journal of Physical Chemistry C, 2014, 118, 7954-7961.	3.1	68
15	In Operando XAS Study of the Surface Oxidation State on a Monolayer IrO <sub>2</sub> on RuO <sub>2</sub> and Ru Oxide Based Nanoparticles for Oxygen Evolution in Acidic Media. Journal of Physical Chemistry B, 2018, 122, 878-887.	2.6	59
16	Degradation of Bimetallic Model Electrocatalysts: An In Situ X-ray Absorption Spectroscopy Study. Angewandte Chemie - International Edition, 2011, 50, 10190-10192.	13.8	50
17	Probing the nanoscale structure of the catalytically active overlayer on Pt alloys with rare earths. Nano Energy, 2016, 29, 249-260.	16.0	49
18	JCAP Research on Solar Fuel Production at Light Sources. Synchrotron Radiation News, 2014, 27, 14-17.	0.8	26

#	ARTICLE	IF	CITATIONS
19	Operando Analyses of Solar Fuels Light Absorbers and Catalysts. <i>Electrochimica Acta</i> , 2016, 211, 711-719.	5.2	23
20	Sulfidation of a Cu submonolayer at the Au(111)/electrolyte interface – An in situ STM study. <i>Surface Science</i> , 2006, 600, 2800-2809.	1.9	22
21	Pt Gd alloy formation on Pt(111): Preparation and structural characterization. <i>Surface Science</i> , 2016, 652, 114-122.	1.9	16
22	Electronic structure effects in catalysis probed by X-ray and electron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 190, 113-124.	1.7	13
23	Copper sulfide nanostripe patterns at the Au(111)/electrolyte interface studied by in situ STM. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 2142.	2.8	10
24	Stability of Pt-Modified Cu(111) in the Presence of Oxygen and Its Implication on the Overall Electronic Structure. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16371-16380.	3.1	5