Daniel Friebel

List of Publications by Year
in descending order

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	Importance of Surface IrO_xin Stabilizing RuO₂for Oxygen Evolution. Journal of Physical Chemistry B, 2018, 122, 947-955.	2.6	95
2	Operando XAS Study of the Surface Oxidation State on a Monolayer IrO_x on RuO_x and Ru Oxide Based Nanoparticles for Oxygen Evolution in Acidic Media. Journal of Physical Chemistry B, 2018, 122, 878-887.	2.6	59
3	Subsurface Oxygen in Oxide-Derived Copper Electrocatalysts for Carbon Dioxide Reduction. Journal of Physical Chemistry Letters, 2017, 8, 285-290.	4.6	332
4	Formation of Copper Catalysts for CO₂ 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
5	Operando Analyses of Solar Fuels Light Absorbers and Catalysts. Electrochimica Acta, 2016, 211, 711-719.	5.2	23
6	Probing the nanoscale structure of the catalytically active overlayer on Pt alloys with rare earths. Nano Energy, 2016, 29, 249-260.	16.0	49
7	Pt Gd alloy formation on Pt(111): Preparation and structural characterization. Surface Science, 2016, 652, 114-122.	1.9	16
8	Ambient-Pressure XPS Study of a Niâ€“Fe Electrocatalyst for the Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2016, 120, 2247-2253.	3.1	336
9	The enhanced activity of mass-selected Pt Gd nanoparticles for oxygen electroreduction. Journal of Catalysis, 2015, 328, 297-307.	6.2	83
10	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
11	JCAP Research on Solar Fuel Production at Light Sources. Synchrotron Radiation News, 2014, 27, 14-17.	0.8	26
12	Inâ€…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
13	Structure, Redox Chemistry, and Interfacial Alloy Formation in Monolayer and Multilayer Cu/Au(111) Model Catalysts for CO₂ Electroreduction. Journal of Physical Chemistry C, 2014, 118, 7954-7961.	3.1	68
14	Mass-selected nanoparticles of PtxY as model catalysts for oxygen electroreduction. Nature Chemistry, 2014, 6, 732-738.	13.6	298
15	Stability of Pt-Modified Cu(111) in the Presence of Oxygen and Its Implication on the Overall Electronic Structure. Journal of Physical Chemistry C, 2013, 117, 16371-16380.	3.1	5
16	Direct observation of the oxygenated species during oxygen reduction on a platinum fuel cell cathode. Nature Communications, 2013, 4, .	12.8	325
17	On the chemical state of Co oxide electrocatalysts during alkaline water splitting. Physical Chemistry Chemical Physics, 2013, 15, 17460.	2.8	89
18	Electronic structure effects in catalysis probed by X-ray and electron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2013, 190, 113-124.	1.7	13

#	Article	IF	Citations
19	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
20	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
21	In situ X-ray probing reveals fingerprints of surface platinum oxide. Physical Chemistry Chemical Physics, 2011, 13, 262-266.	2.8	110
22	Degradation of Bimetallic Model Electrocatalysts: An In Situ Xâ€Ray Absorption Spectroscopy Study. Angewandte Chemie - International Edition, 2011, 50, 10190-10192.	13.8	50
23	Copper sulfide nanostripe patterns at the Au(111)/electrolyte interface studied by in situ STM. Physical Chemistry Chemical Physics, 2007, 9, 2142.	2.8	10
24	Sulfidation of a Cu submonolayer at the Au(111)/electrolyte interface â€“ An in situ STM study. Surface Science, 2006, 600, 2800-2809.	1.9	22