

Simon Geiger

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

3,180
citations

516215

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h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

4013
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards maximized utilization of iridium for the acidic oxygen evolution reaction. Nano Research, 2019, 12, 2275-2280.	5.8	89
2	Degradation of iridium oxides <i>via</i> oxygen evolution from the lattice: correlating atomic scale structure with reaction mechanisms. Energy and Environmental Science, 2019, 12, 3548-3555.	15.6	147
3	Electrochemical On-line ICP-MS in Electrocatalysis Research. Chemical Record, 2019, 19, 2130-2142.	2.9	92
4	Atomically Defined Co ₃ O ₄ (111) Thin Films Prepared in Ultrahigh Vacuum: Stability under Electrochemical Conditions. Journal of Physical Chemistry C, 2018, 122, 7236-7248.	1.5	34
5	The Common Intermediates of Oxygen Evolution and Dissolution Reactions during Water Electrolysis on Iridium. Angewandte Chemie - International Edition, 2018, 57, 2488-2491.	7.2	331
6	Electrifying model catalysts for understanding electrocatalytic reactions in liquid electrolytes. Nature Materials, 2018, 17, 592-598.	13.3	89
7	The stability number as a metric for electrocatalyst stability benchmarking. Nature Catalysis, 2018, 1, 508-515.	16.1	533
8	Stability and Activity of Non-Noble-Metal-Based Catalysts Toward the Hydrogen Evolution Reaction. Angewandte Chemie, 2017, 129, 9899-9903.	1.6	17
9	Stability and Activity of Non-Noble-Metal-Based Catalysts Toward the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2017, 56, 9767-9771.	7.2	118
10	Addressing stability challenges of using bimetallic electrocatalysts: the case of gold-palladium nanoalloys. Catalysis Science and Technology, 2017, 7, 1848-1856.	2.1	35
11	Catalyst Stability Benchmarking for the Oxygen Evolution Reaction: The Importance of Backing Electrode Material and Dissolution in Accelerated Aging Studies. ChemSusChem, 2017, 10, 4140-4143.	3.6	111
12	The Space Confinement Approach Using Hollow Graphitic Spheres to Unveil Activity and Stability of Pt-Co Nanocatalysts for PEMFC. Advanced Energy Materials, 2017, 7, 1700835.	10.2	49
13	Stability limits of tin-based electrocatalyst supports. Scientific Reports, 2017, 7, 4595.	1.6	127
14	Activity and Stability of Electrochemically and Thermally Treated Iridium for the Oxygen Evolution Reaction. Journal of the Electrochemical Society, 2016, 163, F3132-F3138.	1.3	140
15	Platinum recycling going green via induced surface potential alteration enabling fast and efficient dissolution. Nature Communications, 2016, 7, 13164.	5.8	55
16	Oxygen evolution activity and stability of iridium in acidic media. Part 2. Electrochemically grown hydrous iridium oxide. Journal of Electroanalytical Chemistry, 2016, 774, 102-110.	1.9	209
17	Oxygen and hydrogen evolution reactions on Ru, RuO ₂ , Ir, and IrO ₂ thin film electrodes in acidic and alkaline electrolytes: A comparative study on activity and stability. Catalysis Today, 2016, 262, 170-180.	2.2	999
18	Dissolution of Platinum in the Operational Range of Fuel Cells. ChemElectroChem, 2015, 2, 1407-1407.	1.7	3