

# Simon Geiger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8708369/publications.pdf>

Version: 2024-02-01

18  
papers

3,180  
citations

516215

16  
h-index

752256

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

4013  
citing authors

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