

# Jan-Philipp Grote

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5523076/publications.pdf>

Version: 2024-02-01

12  
papers

2,633  
citations

686830

13  
h-index

1125271

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

4322  
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 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
3	Stability of Fe-N-C Catalysts in Acidic Medium Studied by Operando Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12753-12757.	7.2	321
4	A Critical Review on Hydrogen Evolution Electrocatalysis: Re-exploring the Volcano-relationship. <i>Electroanalysis</i> , 2016, 28, 2256-2269.	1.5	241
5	Selective microbial electrosynthesis of methane by a pure culture of a marine lithoautotrophic archaeon. <i>Bioelectrochemistry</i> , 2015, 102, 50-55.	2.4	157
6	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
7	Positive Effect of Surface Doping with Au on the Stability of Pt-Based Electrocatalysts. <i>ACS Catalysis</i> , 2016, 6, 1630-1634.	5.5	90
8	Coupling of a scanning flow cell with online electrochemical mass spectrometry for screening of reaction selectivity. <i>Review of Scientific Instruments</i> , 2014, 85, 104101.	0.6	83
9	Carbon Monoxide as a Promoter of Atomically Dispersed Platinum Catalyst in Electrochemical Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 16198-16205.	6.6	74
10	Platinum recycling going green via induced surface potential alteration enabling fast and efficient dissolution. <i>Nature Communications</i> , 2016, 7, 13164.	5.8	55
11	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
12	Screening of material libraries for electrochemical CO <sub>2</sub> reduction catalysts – Improving selectivity of Cu by mixing with Co. <i>Journal of Catalysis</i> , 2016, 343, 248-256.	3.1	47