

Jan N Schwämmlein

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1869933/publications.pdf>

Version: 2024-02-01

13
papers

450
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

651
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the effect of carbon post- vs pre-coated metallic bipolar plates for PEMFCs – start-up and shut-down. International Journal of Hydrogen Energy, 2022, 47, 8532-8548.	7.1	10
2	Extending the Polyol Reduction Process into the Second Dimension: Oxide Thin Film Reduction. Journal of the Electrochemical Society, 2021, 168, 014506.	2.9	0
3	Hydrogen Gas Promoted Self-Limiting Copper Monolayer Deposition on Platinum. Journal of the Electrochemical Society, 2021, 168, 052508.	2.9	2
4	Pressure and Temperature Dependence of the Hydrogen Oxidation and Evolution Reaction Kinetics on Pt Electrocatalysts via PEMFC-based Hydrogen-Pump Measurements. Journal of the Electrochemical Society, 2021, 168, 064516.	2.9	23
5	Direct PtSn Alloy Formation by Pt Electrodeposition on Sn Surface. Scientific Reports, 2020, 10, 59.	3.3	12
6	Through-Plane Conductivity of Anion Exchange Membranes at Sub-Freezing Temperatures – Hydroxide vs (Bi-)Carbonate Ions. Journal of the Electrochemical Society, 2020, 167, 084513.	2.9	8
7	Top-Down Synthesis of Nanostructured Platinum – Lanthanide Alloy Oxygen Reduction Reaction Catalysts: Pt _x Pr/C as an Example. ACS Applied Materials & Interfaces, 2019, 11, 5129-5135.	8.0	60
8	Origin of Superior HOR/HER Activity of Bimetallic Pt-Ru Catalysts in Alkaline Media Identified via Ru@Pt Core-Shell Nanoparticles. Journal of the Electrochemical Society, 2018, 165, H229-H239.	2.9	69
9	Cathode Loading Impact on Voltage Cycling Induced PEMFC Degradation: A Voltage Loss Analysis. Journal of the Electrochemical Society, 2018, 165, F3118-F3131.	2.9	110
10	Anode Aging during PEMFC Start-Up and Shut-Down: H ₂ -Air Fronts vs Voltage Cycles. Journal of the Electrochemical Society, 2018, 165, F1312-F1322.	2.9	35
11	Stabilization of Iron-Based Fuel Cell Catalysts by Non-Catalytic Platinum. Journal of the Electrochemical Society, 2018, 165, F1084-F1091.	2.9	33
12	Activity and Stability of Carbon Supported Pt _x Y Alloys for the ORR Determined by RDE and Single-Cell PEMFC Measurements. Journal of the Electrochemical Society, 2018, 165, J3173-J3185.	2.9	42
13	On the Dominating Mechanism of the Hydrogen Evolution Reaction at Polycrystalline Pt Electrodes in Acidic Media. ACS Catalysis, 2018, 8, 9456-9462.	11.2	46