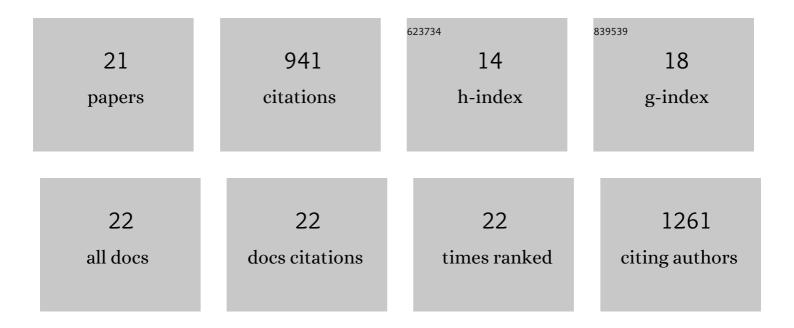
Andraz Pavlisic

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	New Insights into Corrosion of Ruthenium and Ruthenium Oxide Nanoparticles in Acidic Media. Journal of Physical Chemistry C, 2015, 119, 10140-10147.	3.1	161
2	New Insight into Platinum Dissolution from Nanoparticulate Platinumâ€Based Electrocatalysts Using Highly Sensitive Inâ€Situ Concentration Measurements. ChemCatChem, 2014, 6, 449-453.	3.7	119
3	Mechanisms of Copper-Based Catalyst Deactivation during CO ₂ Reduction to Methanol. Industrial & Engineering Chemistry Research, 2019, 58, 13021-13029.	3.7	94
4	Positive Effect of Surface Doping with Au on the Stability of Pt-Based Electrocatalysts. ACS Catalysis, 2016, 6, 1630-1634.	11.2	90
5	Platinum Dissolution and Redeposition from Pt/C Fuel Cell Electrocatalyst at Potential Cycling. Journal of the Electrochemical Society, 2018, 165, F3161-F3165.	2.9	80
6	Atomically Resolved Dealloying of Structurally Ordered Pt Nanoalloy as an Oxygen Reduction Reaction Electrocatalyst. ACS Catalysis, 2016, 6, 5530-5534.	11.2	65
7	Resolving the nanoparticles' structure-property relationships at the atomic level: a study of Pt-based electrocatalysts. IScience, 2021, 24, 102102.	4.1	57
8	Multiscale modelling of CO2 reduction to methanol over industrial Cu/ZnO/Al2O3 heterogeneous catalyst: Linking ab initio surface reaction kinetics with reactor fluid dynamics. Journal of Cleaner Production, 2020, 275, 122958.	9.3	45
9	Comparison of computational fluid dynamics (CFD) and pressure drop correlations in laminar flow regime for packed bed reactors and columns. Powder Technology, 2018, 328, 130-139.	4.2	37
10	CO-assisted ex-situ chemical activation of Pt-Cu/C oxygen reduction reaction electrocatalyst. Electrochimica Acta, 2019, 306, 377-386.	5.2	37
11	Atomically Resolved Anisotropic Electrochemical Shaping of Nano-electrocatalyst. Nano Letters, 2019, 19, 4919-4927.	9.1	33
12	Electrochemical in-situ dissolution study of structurally ordered, disordered and gold doped PtCu3 nanoparticles on carbon composites. Journal of Power Sources, 2016, 327, 675-680.	7.8	30
13	Multiscale modelling from quantum level to reactor scale: An example of ethylene epoxidation on silver catalysts. Catalysis Today, 2019, 338, 128-140.	4.4	27
14	Observing, tracking and analysing electrochemically induced atomic-scale structural changes of an individual Pt-Co nanoparticle as a fuel cell electrocatalyst by combining modified floating electrode and identical location electron microscopy. Electrochimica Acta, 2021, 388, 138513.	5.2	22
15	Quantitative HAADF Study of Twin Boundaries in Cu3Pt Nanoparticles. Microscopy and Microanalysis, 2016, 22, 1338-1339.	0.4	15
16	Insights into electrochemical dealloying of Cu out of Au-doped Pt-alloy nanoparticles at the sub-nano-scale. Journal of Electrochemical Science and Engineering, 2018, 8, 87-100.	3.5	13
17	Gold Doping in PtCu ₃ /HSAC Nanoparticles and Their Morphological, Structural, and Compositional Changes during Oxygen Reduction Reaction Electrochemical Cycling. ChemCatChem, 2017, 9, 3904-3911.	3.7	12
18	Bringing into play automated electron microscopy data processing for understanding nanoparticulate electrocatalysts' structure–property relationships. Current Opinion in Electrochemistry, 2022, 35, 101052.	4.8	4

#	Article	IF	CITATIONS
19	In-situ TEM and Atomic-Resolution STEM Study of Highly Active Partially Ordered Cu3Pt Nanoparticles used as PEM-Fuel Cells Catalyst. Microscopy and Microanalysis, 2014, 20, 476-477.	0.4	0
20	TEM Study of Heavily Twinned Cu3Pt Nanoparticles. Microscopy and Microanalysis, 2015, 21, 1545-1546.	0.4	0
21	Electrocatalytic effects of Pt-based nanoparticles studied with advanced identical location electron microscopy. Microscopy and Microanalysis, 2021, 27, 2458-2458.	0.4	Ο