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List of Publications by Year
in descending order

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21	941	623734	839539
papers	citations	14 h-index	18 g-index

22	22	22	1261
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bringing into play automated electron microscopy data processing for understanding nanoparticulate electrocatalystsâ€™ structureâ€“property relationships. Current Opinion in Electrochemistry, 2022, 35, 101052.	4.8	4
2	Resolving the nanoparticles' structure-property relationships at the atomic level: a study of Pt-based electrocatalysts. IScience, 2021, 24, 102102.	4.1	57
3	Electrocatalytic effects of Pt-based nanoparticles studied with advanced identical location electron microscopy. Microscopy and Microanalysis, 2021, 27, 2458-2458.	0.4	0
4	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
5	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
6	Mechanisms of Copper-Based Catalyst Deactivation during CO₂ Reduction to Methanol. Industrial & Engineering Chemistry Research, 2019, 58, 13021-13029.	3.7	94
7	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
8	Atomically Resolved Anisotropic Electrochemical Shaping of Nano-electrocatalyst. Nano Letters, 2019, 19, 4919-4927.	9.1	33
9	CO-assisted ex-situ chemical activation of Pt-Cu/C oxygen reduction reaction electrocatalyst. Electrochimica Acta, 2019, 306, 377-386.	5.2	37
10	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
11	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
12	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
13	Gold Doping in PtCu₃/HSAC Nanoparticles and Their Morphological, Structural, and Compositional Changes during Oxygen Reduction Reaction Electrochemical Cycling. ChemCatChem, 2017, 9, 3904-3911.	3.7	12
14	Atomically Resolved Dealloying of Structurally Ordered Pt Nanoalloy as an Oxygen Reduction Reaction Electrocatalyst. ACS Catalysis, 2016, 6, 5530-5534.	11.2	65
15	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
16	Quantitative HAADF Study of Twin Boundaries in Cu3Pt Nanoparticles. Microscopy and Microanalysis, 2016, 22, 1338-1339.	0.4	15
17	Positive Effect of Surface Doping with Au on the Stability of Pt-Based Electrocatalysts. ACS Catalysis, 2016, 6, 1630-1634.	11.2	90
18	TEM Study of Heavily Twinned Cu3Pt Nanoparticles. Microscopy and Microanalysis, 2015, 21, 1545-1546.	0.4	0

#	Article	IF	Citations
19	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
20	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
21	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