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List of Publications by Year in descending order

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21
papers

941
citations

623734

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18
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docs citations

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times ranked

1261
citing authors

#	ARTICLE	IF	CITATIONS
1	New Insights into Corrosion of Ruthenium and Ruthenium Oxide Nanoparticles in Acidic Media. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10140-10147.	3.1	161
2	New Insight into Platinum Dissolution from Nanoparticulate Platinum-Based Electrocatalysts Using Highly Sensitive In-Situ Concentration Measurements. <i>ChemCatChem</i> , 2014, 6, 449-453.	3.7	119
3	Mechanisms of Copper-Based Catalyst Deactivation during CO ₂ Reduction to Methanol. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13021-13029.	3.7	94
4	Positive Effect of Surface Doping with Au on the Stability of Pt-Based Electrocatalysts. <i>ACS Catalysis</i> , 2016, 6, 1630-1634.	11.2	90
5	Platinum Dissolution and Redeposition from Pt/C Fuel Cell Electrocatalyst at Potential Cycling. <i>Journal of the Electrochemical Society</i> , 2018, 165, F3161-F3165.	2.9	80
6	Atomically Resolved Dealloying of Structurally Ordered Pt Nanoalloy as an Oxygen Reduction Reaction Electrocatalyst. <i>ACS Catalysis</i> , 2016, 6, 5530-5534.	11.2	65
7	Resolving the nanoparticles' structure-property relationships at the atomic level: a study of Pt-based electrocatalysts. <i>IScience</i> , 2021, 24, 102102.	4.1	57
8	Multiscale modelling of CO ₂ reduction to methanol over industrial Cu/ZnO/Al ₂ O ₃ heterogeneous catalyst: Linking ab initio surface reaction kinetics with reactor fluid dynamics. <i>Journal of Cleaner Production</i> , 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. <i>Powder Technology</i> , 2018, 328, 130-139.	4.2	37
10	CO-assisted ex-situ chemical activation of Pt-Cu/C oxygen reduction reaction electrocatalyst. <i>Electrochimica Acta</i> , 2019, 306, 377-386.	5.2	37
11	Atomically Resolved Anisotropic Electrochemical Shaping of Nano-electrocatalyst. <i>Nano Letters</i> , 2019, 19, 4919-4927.	9.1	33
12	Electrochemical in-situ dissolution study of structurally ordered, disordered and gold doped PtCu ₃ nanoparticles on carbon composites. <i>Journal of Power Sources</i> , 2016, 327, 675-680.	7.8	30
13	Multiscale modelling from quantum level to reactor scale: An example of ethylene epoxidation on silver catalysts. <i>Catalysis Today</i> , 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. <i>Electrochimica Acta</i> , 2021, 388, 138513.	5.2	22
15	Quantitative HAADF Study of Twin Boundaries in Cu ₃ Pt Nanoparticles. <i>Microscopy and Microanalysis</i> , 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. <i>Journal of Electrochemical Science and Engineering</i> , 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. <i>ChemCatChem</i> , 2017, 9, 3904-3911.	3.7	12
18	Bringing into play automated electron microscopy data processing for understanding nanoparticulate electrocatalysts' structure-property relationships. <i>Current Opinion in Electrochemistry</i> , 2022, 35, 101052.	4.8	4

#	ARTICLE	IF	CITATIONS
19	In-situ TEM and Atomic-Resolution STEM Study of Highly Active Partially Ordered Cu ₃ Pt Nanoparticles used as PEM-Fuel Cells Catalyst. <i>Microscopy and Microanalysis</i> , 2014, 20, 476-477.	0.4	0
20	TEM Study of Heavily Twinned Cu ₃ Pt Nanoparticles. <i>Microscopy and Microanalysis</i> , 2015, 21, 1545-1546.	0.4	0
21	Electrocatalytic effects of Pt-based nanoparticles studied with advanced identical location electron microscopy. <i>Microscopy and Microanalysis</i> , 2021, 27, 2458-2458.	0.4	0