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List of Publications by Year in descending order

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36
papers

1,520
citations

304743

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docs citations

36
times ranked

1949
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Dissolution of Iridium and Iridium Oxide Particles in Acidic Media: Transmission Electron Microscopy, Electrochemical Flow Cell Coupled to Inductively Coupled Plasma Mass Spectrometry, and X-ray Absorption Spectroscopy Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 12837-12846.	13.7	186
2	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
3	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
4	Multi-element analysis of wines by ICP-MS and ICP-OES and their classification according to geographical origin in Slovenia. <i>Food Chemistry</i> , 2014, 153, 414-423.	8.2	100
5	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
6	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
7	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
8	Gelatin gels as multi-element calibration standards in LA-ICP-MS bioimaging: fabrication of homogeneous standards and microhomogeneity testing. <i>Analyst</i> , 2017, 142, 3356-3359.	3.5	59
9	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
10	Comparison of Pt-Cu/C with Benchmark Pt-Co/C: Metal Dissolution and Their Surface Interactions. <i>ACS Applied Energy Materials</i> , 2019, 2, 3131-3141.	5.1	54
11	Increasing the Oxygen-Evolution Reaction Performance of Nanotubular Titanium Oxynitride-Supported Ir Nanoparticles by a Strong Metal-Support Interaction. <i>ACS Catalysis</i> , 2020, 10, 13688-13700.	11.2	54
12	Insights into the selection of 2D LA-ICP-MS (multi)elemental mapping conditions. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1919-1931.	3.0	46
13	Importance of non-intrinsic platinum dissolution in Pt/C composite fuel cell catalysts. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21446-21452.	2.8	44
14	Nanoparticle Analysis in Biomaterials Using Laser Ablation-Single Particle-Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 6200-6205.	6.5	43
15	3D laser ablation-ICP-mass spectrometry mapping for the study of surface layer phenomena - a case study for weathered glass. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 994.	3.0	41
16	Potentiodynamic dissolution study of PtRu/C electrocatalyst in the presence of methanol. <i>Electrochimica Acta</i> , 2016, 211, 851-859.	5.2	39
17	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
18	Basic Modeling Approach To Optimize Elemental Imaging by Laser Ablation ICPMS. <i>Analytical Chemistry</i> , 2010, 82, 8153-8160.	6.5	26

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19	Quantitative multi-element mapping of ancient glass using a simple and robust LA-ICP-MS rastering procedure in combination with image analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 745-755.	3.7	26
20	Considerations on data acquisition in laser ablation-inductively coupled plasma-mass spectrometry with low-dispersion interfaces. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 140, 29-34.	2.9	25
21	Imaging Artifacts in Continuous Scanning 2D LA-ICPMS Imaging Due to Nonsynchronization Issues. <i>Analytical Chemistry</i> , 2018, 90, 2896-2901.	6.5	24
22	Tolerance and accumulation of cobalt in three species of <i>Haumaniastrum</i> and the influence of copper. <i>Environmental and Experimental Botany</i> , 2018, 149, 27-33.	4.2	24
23	Novel Image Metrics for Retrieval of the Lateral Resolution in Line Scan-Based 2D LA-ICPMS Imaging via an Experimental-Modeling Approach. <i>Analytical Chemistry</i> , 2016, 88, 7413-7420.	6.5	22
24	Laser ablation-single-particle-inductively coupled plasma mass spectrometry as a multimodality bioimaging tool in nano-based omics. <i>Environmental Science: Nano</i> , 2021, 8, 647-656.	4.3	15
25	Analytical performance of a high-repetition rate laser head (500 Hz) for HR LA-ICP-QMS imaging. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1827-1831.	3.0	14
26	Implications of laser shot dosage on image quality in LA-ICP-QMS imaging. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 75-79.	3.0	12
27	In situ electrochemical dissolution of platinum and gold in organic-based solvent. <i>Npj Materials Degradation</i> , 2018, 2, .	5.8	10
28	Biotic composition and microfacies distribution of Upper Triassic build-ups: new insights from the Lower Carnian limestone of Lesno Brdo, central Slovenia. <i>Facies</i> , 2018, 64, 1.	1.4	10
29	Perceptual Image Quality Metrics Concept in Continuous Scanning 2D Laser Ablation-Inductively Coupled Plasma Mass Spectrometry Bioimaging. <i>Analytical Chemistry</i> , 2018, 90, 5916-5922.	6.5	9
30	Fine-tuning of LA-ICP-QMS conditions for elemental mapping. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2494-2497.	3.0	9
31	Toward a Flexible and Efficient TiO ₂ Photocatalyst Immobilized on a Titanium Foil. <i>ACS Omega</i> , 2021, 6, 23233-23242.	3.5	9
32	Microanalysis of arsenic in solid samples by laser ablation-atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 299-304.	3.0	5
33	New Insights into Antibacterial and Antifungal Properties, Cytotoxicity and Aquatic Ecotoxicity of Flame Retardant PA6/DOPO-Derivative Nanocomposite Textile Fibers. <i>Polymers</i> , 2021, 13, 905.	4.5	5
34	Metal maps of sclerotic hippocampi of patients with mesial temporal lobe epilepsy. <i>Metallomics</i> , 2017, 9, 141-148.	2.4	4
35	Regional distribution of cytochrome c oxidase activity and copper in sclerotic hippocampi of epilepsy patients. <i>Brain and Behavior</i> , 2021, 11, e01986.	2.2	3
36	Comparison of zinc species in two specimens of edible plants and their fate in the human gastrointestinal tract. <i>Pure and Applied Chemistry</i> , 2012, 84, 301-311.	1.9	0