

Vid Simon Å elih

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3560613/publications.pdf>

Version: 2024-02-01

36
papers

1,520
citations

304743

22
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

1949
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Toward a Flexible and Efficient TiO ₂ Photocatalyst Immobilized on a Titanium Foil. <i>ACS Omega</i> , 2021, 6, 23233-23242. | 3.5 | 9 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Fine-tuning of LA-ICP-QMS conditions for elemental mapping. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2494-2497. | 3.0 | 9 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Imaging Artifacts in Continuous Scanning 2D LA-ICPMS Imaging Due to Nonsynchronization Issues. <i>Analytical Chemistry</i> , 2018, 90, 2896-2901. | 6.5 | 24 |
| 15 | 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 |
| 16 | In situ electrochemical dissolution of platinum and gold in organic-based solvent. <i>Npj Materials Degradation</i> , 2018, 2, . | 5.8 | 10 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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 |
| 20 | Metal maps of sclerotic hippocampi of patients with mesial temporal lobe epilepsy. <i>Metallomics</i> , 2017, 9, 141-148. | 2.4 | 4 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Potentiodynamic dissolution study of PtRu/C electrocatalyst in the presence of methanol. <i>Electrochimica Acta</i> , 2016, 211, 851-859. | 5.2 | 39 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | Basic Modeling Approach To Optimize Elemental Imaging by Laser Ablation ICPMS. <i>Analytical Chemistry</i> , 2010, 82, 8153-8160. | 6.5 | 26 |