

David Clases

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9039125/publications.pdf>

Version: 2024-02-01

26
papers

651
citations

586496

16
h-index

651938

25
g-index

27
all docs

27
docs citations

27
times ranked

741
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Micronutrient content drives elementome variability amongst the Symbiodiniaceae. <i>BMC Plant Biology</i> , 2022, 22, 184. | 1.6 | 9 |
| 2 | Analysis of Ti- and Pb-based particles in the aqueous environment of Melbourne (Australia) via single-particle ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5671-5681. | 1.9 | 15 |
| 3 | Species-specific elementomes for scleractinian coral hosts and their associated Symbiodiniaceae. <i>Coral Reefs</i> , 2022, 41, 1115-1130. | 0.9 | 5 |
| 4 | Separation of intact proteins by capillary electrophoresis. <i>Analyst, The</i> , 2022, 147, 2988-2996. | 1.7 | 8 |
| 5 | Quantitative speciation of volatile sulphur compounds from human cadavers by GC-ICP-MS. <i>Talanta</i> , 2021, 221, 121424. | 2.9 | 16 |
| 6 | Determination of gadolinium MRI contrast agents in fresh and oceanic waters of Australia employing micro-solid phase extraction, HILIC-ICP-MS and bandpass mass filtering. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 767-775. | 1.6 | 23 |
| 7 | An Analysis for Adulteration and Contamination of Over-the-Counter Weight-Loss Products. <i>AAPS PharmSciTech</i> , 2021, 22, 78. | 1.5 | 3 |
| 8 | Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Imaging in Biology. <i>Chemical Reviews</i> , 2021, 121, 11769-11822. | 23.0 | 60 |
| 9 | Characterisation of microplastics and unicellular algae in seawater by targeting carbon via single particle and single cell ICP-MS. <i>Analytica Chimica Acta</i> , 2021, 1174, 338737. | 2.6 | 30 |
| 10 | Simultaneous targeted and non-targeted analysis of per- and polyfluoroalkyl substances in environmental samples by liquid chromatography-ion mobility-quadrupole time of flight-mass spectrometry and mass defect analysis. <i>Journal of Chromatography A</i> , 2021, 1653, 462423. | 1.8 | 28 |
| 11 | An interactive Python-based data processing platform for single particle and single cell ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2536-2544. | 1.6 | 24 |
| 12 | Characterising the spatial and temporal brain metal profile in a mouse model of tauopathy. <i>Metallomics</i> , 2020, 12, 301-313. | 1.0 | 23 |
| 13 | Characterization of Upconversion Nanoparticles by Single-Particle ICP-MS Employing a Quadrupole Mass Filter with Increased Bandpass. <i>Analytical Chemistry</i> , 2020, 92, 15007-15016. | 3.2 | 23 |
| 14 | Porous Upconversion Nanostructures as Bimodal Biomedical Imaging Contrast Agents. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12168-12174. | 1.5 | 18 |
| 15 | Matching sensitivity to abundance: high resolution immuno-mass spectrometry imaging of lanthanide labels and endogenous elements in the murine brain. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 728-735. | 1.6 | 14 |
| 16 | Dietary zinc and the control of <i>Streptococcus pneumoniae</i> infection. <i>PLoS Pathogens</i> , 2019, 15, e1007957. | 2.1 | 49 |
| 17 | On-line reverse isotope dilution analysis for spatial quantification of elemental labels used in immunohistochemical assisted imaging mass spectrometry via LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 407-412. | 1.6 | 13 |
| 18 | SEC-ICP-MS and on-line isotope dilution analysis for characterisation and quantification of immunochemical assays. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3553-3560. | 1.9 | 13 |

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|----|--|-----|-----------|
| 19 | Low background mould-prepared gelatine standards for reproducible quantification in elemental bio-imaging. <i>Analyst</i> , The, 2019, 144, 6881-6888. | 1.7 | 27 |
| 20 | MMP-11 as a biomarker for metastatic breast cancer by immunohistochemical-assisted imaging mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 639-646. | 1.9 | 39 |
| 21 | LA-ICP-MS/MS improves limits of detection in elemental bioimaging of gadolinium deposition originating from MRI contrast agents in skin and brain tissues. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 51, 212-218. | 1.5 | 36 |
| 22 | Analysis of metal-based contrast agents in medicine and the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 135-147. | 5.8 | 26 |
| 23 | Applications of liquid chromatography-inductively coupled plasma-mass spectrometry in the biosciences: A tutorial review and recent developments. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 11-21. | 5.8 | 41 |
| 24 | Harnessing the Maltodextrin Transport Mechanism for Targeted Bacterial Imaging: Structural Requirements for Improved in vivo Stability in Tracer Design. <i>ChemMedChem</i> , 2018, 13, 241-250. | 1.6 | 36 |
| 25 | Isobaric dilution analysis as a calibration tool for long lived radionuclides in ICP-MS. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 40, 97-103. | 1.5 | 11 |
| 26 | Elemental bio-imaging using laser ablation-triple quadrupole-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 197-202. | 1.6 | 60 |