

Thibaut Van Acker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2705849/publications.pdf>

Version: 2024-02-01

22
papers

764
citations

623574

14
h-index

713332

21
g-index

24
all docs

24
docs citations

24
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	Photothermal nanofibres enable safe engineering of therapeutic cells. <i>Nature Nanotechnology</i> , 2021, 16, 1281-1291.	15.6	192
2	High-resolution laser ablation-inductively coupled plasma-mass spectrometry imaging of cisplatin-induced nephrotoxic side effects. <i>Analytica Chimica Acta</i> , 2016, 945, 23-30.	2.6	64
3	Sub-micrometer Nanosecond LA-ICP-MS Imaging at Pixel Acquisition Rates above 250 Hz via a Low-Dispersion Setup. <i>Analytical Chemistry</i> , 2020, 92, 5756-5764.	3.2	60
4	High-resolution imaging and single-cell analysis via laser ablation-inductively coupled plasma-mass spectrometry for the determination of membranous receptor expression levels in breast cancer cell lines using receptor-specific hybrid tracers. <i>Analytica Chimica Acta</i> , 2019, 1074, 43-53.	2.6	53
5	Identification of platinum nanoparticles in road dust leachate by single particle inductively coupled plasma-mass spectrometry. <i>Science of the Total Environment</i> , 2018, 615, 849-856.	3.9	47
6	Fast High-Resolution Laser Ablation-Inductively Coupled Plasma Mass Spectrometry Imaging of the Distribution of Platinum-Based Anticancer Compounds in Multicellular Tumor Spheroids. <i>Analytical Chemistry</i> , 2017, 89, 12641-12645.	3.2	44
7	TiO ₂ functionalized nanofibrous membranes for removal of organic (micro)pollutants from water. <i>Separation and Purification Technology</i> , 2017, 179, 533-541.	3.9	39
8	Three-Dimensional Reconstruction of the Tissue-Specific Multielemental Distribution within <i>Ceriodaphnia dubia</i> via Multimodal Registration Using Laser Ablation ICP-Mass Spectrometry and X-ray Spectroscopic Techniques. <i>Analytical Chemistry</i> , 2017, 89, 4161-4168.	3.2	35
9	Analytical figures of merit of a low-dispersion aerosol transport system for high-throughput LA-ICP-MS analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1201-1209.	1.6	33
10	Feasibility of Mechanical Extrusion to Coat Nanoparticles with Extracellular Vesicle Membranes. <i>Cells</i> , 2020, 9, 1797.	1.8	32
11	Imaging the 3D trace metal and metalloid distribution in mature wheat and rye grains via laser ablation-ICP-mass spectrometry and micro-X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 289-298.	1.6	31
12	Laser ablation-inductively coupled plasma-mass spectrometry for quantitative mapping of the copper distribution in liver tissue sections from mice with liver disease induced by common bile duct ligation. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1805-1812.	1.6	24
13	Three-dimensional reconstruction of the distribution of elemental tags in single cells using laser ablation ICP-mass spectrometry via registration approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4849-4859.	1.9	22
14	Nanosecond Laser Ablation Multi-Collector Inductively Coupled Plasma-Mass Spectrometry for in Situ Fe Isotopic Analysis of Micrometeorites: Application to Micrometer-Sized Glassy Cosmic Spherules. <i>Analytical Chemistry</i> , 2020, 92, 3572-3580.	3.2	17
15	Selective ablation of biological tissue and single cells on a glass substrate by controlling the laser energy density of nanosecond 193 nm laser radiation. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1957-1964.	1.6	13
16	Assessment of Nanosecond Laser Ablation Multi-Collector Inductively Coupled Plasma-Mass Spectrometry for Pb and Sr Isotopic Determination in Archaeological Glass: Mass Bias Correction Strategies and Results for Corning Glass Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 223-238.	1.7	12
17	Laser ablation-tandem ICP-mass spectrometry (LA-ICP-MS/MS) imaging of iron oxide nanoparticles in Ca-rich gelatin microspheres. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1846-1855.	1.6	11
18	Multi-element LA-ICP-MS analysis of the clay fraction of archaeological pottery in provenance studies: a methodological investigation. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2686-2696.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Laser ablation-ICP-mass spectrometry for determination of the concentrations and spatial distributions of bromine and iodine in human hair. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 775-782.	1.6	9
20	High-speed mapping of Hg and Se in biological tissue <i>via</i> laser ablation-inductively coupled plasma-mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1455-1461.	1.6	9
21	Interactions of Cisplatin and Daunorubicin at the Chromatin Level. <i>Scientific Reports</i> , 2020, 10, 1107.	1.6	8
22	Complementarity of LA-ICP-MS and petrography in the analysis of Neolithic pottery from the Scheldt River valley, Belgium. <i>Journal of Archaeological Science: Reports</i> , 2022, 42, 103413.	0.2	0