

Olga Borovinskaya

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

935
citations

623734

14
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

961
citing authors

#	ARTICLE	IF	CITATIONS
1	A prototype of a new inductively coupled plasma time-of-flight mass spectrometer providing temporally resolved, multi-element detection of short signals generated by single particles and droplets. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 226-233.	3.0	150
2	Capabilities of inductively coupled plasma mass spectrometry for the detection of nanoparticles carried by monodisperse microdroplets. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1166.	3.0	137
3	Where is the nano? Analytical approaches for the detection and quantification of TiO ₂ engineered nanoparticles in surface waters. <i>Environmental Science: Nano</i> , 2018, 5, 313-326.	4.3	101
4	Sewage spills are a major source of titanium dioxide engineered (nano)-particle release into the environment. <i>Environmental Science: Nano</i> , 2019, 6, 763-777.	4.3	92
5	A New Microfluidics-Based Droplet Dispenser for ICPMS. <i>Analytical Chemistry</i> , 2014, 86, 6012-6018.	6.5	86
6	Simultaneous Mass Quantification of Nanoparticles of Different Composition in a Mixture by Microdroplet Generator-ICPTOFMS. <i>Analytical Chemistry</i> , 2014, 86, 8142-8148.	6.5	86
7	Multi-element analysis of single nanoparticles by ICP-MS using quadrupole and time-of-flight technologies. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 835-845.	3.0	74
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.	6.5	35
9	LA-ICP-TOF-MS for rapid, all-elemental and quantitative bioimaging, isotopic analysis and the investigation of plasma processes. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 694-701.	3.0	30
10	Diffusion- and velocity-driven spatial separation of analytes from single droplets entering an ICP off-axis. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 262-271.	3.0	28
11	Single Particle Characterization and Total Elemental Concentration Measurements in Polar Ice Using Continuous Flow Analysis-Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. <i>Environmental Science & Technology</i> , 2019, 53, 13275-13283.	10.0	27
12	Single-Particle Mass Spectrometry of Titanium and Niobium Carbonitride Precipitates in Steels. <i>Analytical Chemistry</i> , 2019, 91, 943-950.	6.5	26
13	Single cell-inductively coupled plasma-time of flight-mass spectrometry approach for ecotoxicological testing. <i>Algal Research</i> , 2020, 49, 101964.	4.6	26
14	Capabilities of laser ablation $\alpha\epsilon$ ICP-TOF-MS coupling for isotopic analysis of individual uranium micrometric particles. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1892-1902.	3.0	20
15	Capabilities of sequential and quasi-simultaneous LA-ICPMS for the multi-element analysis of small quantity of liquids (pl to nl): insights from fluid inclusion analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1945-1969.	3.0	9
16	Time-of-flight ICP-MS laser ablation zircon geochronology: assessment and comparison against quadrupole ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2282-2297.	3.0	6
17	A Microfluidic Chip for ICPMS Sample Introduction. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	1
18	A critical evaluation of short columns for estimating the attachment efficiency of engineered nanomaterials in natural soils. <i>Environmental Science: Nano</i> , 2021, 8, 1801-1814.	4.3	1