

Heidi Goenaga Infante

List of Publications by Citations

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32
papers

444
citations

12
h-index

20
g-index

35
ext. papers

543
ext. citations

3.5
avg, IF

3.72
L-index

#	Paper	IF	Citations
32	Selenium speciation analysis of selenium-enriched supplements by HPLC with ultrasonic nebulisation ICP-MS and electrospray MS/MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1529-1538	3.7	69
31	The potential of asymmetric flow field-flow fractionation hyphenated to multiple detectors for the quantification and size estimation of silica nanoparticles in a food matrix. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3919-27	4.4	65
30	A comparison of techniques for size measurement of nanoparticles in cell culture medium. <i>Analytical Methods</i> , 2016 , 8, 5272-5282	3.2	37
29	A novel calibration strategy for the quantitative imaging of iron in biological tissues by LA-ICP-MS using matrix-matched standards and internal standardisation. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 1378-1384	3.7	35
28	Quantitation of the Fe spatial distribution in biological tissue by online double isotope dilution analysis with LA-ICP-MS: a strategy for estimating measurement uncertainty. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 270-279	3.7	27
27	The accurate determination of number concentration of inorganic nanoparticles using spICP-MS with the dynamic mass flow approach. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 1832-1839	3.7	22
26	Calibration of Mo isotope amount ratio measurements by MC-ICPMS using normalisation to an internal standard and improved experimental design. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 1978-1988	3.7	18
25	The role of ICP-MS in inorganic chemical metrology. <i>Metrologia</i> , 2019 , 56, 034005	2.1	15
24	Number Concentration of Gold Nanoparticles in Suspension: SAXS and spICPMS as Traceable Methods Compared to Laboratory Methods. <i>Nanomaterials</i> , 2019 , 9,	5.4	15
23	Measuring the relative concentration of particle populations using differential centrifugal sedimentation. <i>Analytical Methods</i> , 2018 , 10, 2647-2657	3.2	15
22	Sticky Measurement Problem: Number Concentration of Agglomerated Nanoparticles. <i>Langmuir</i> , 2019 , 35, 4927-4935	4	13
21	Investigation of mass dependence effects for the accurate determination of molybdenum isotope amount ratios by MC-ICP-MS using synthetic isotope mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 869-82	4.4	13
20	Determination of absolute ¹³ C/ ¹² C isotope amount ratios by MC-ICPMS using calibration with synthetic isotope mixtures. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 1760	3.7	12
19	Accurate quantification of carboplatin adducts with serum proteins by monolithic chromatography coupled to ICPMS with isotope dilution analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 729-740	3.7	11
18	Analysis of mono-phosphate nucleotides as a potential method for quantification of DNA using high performance liquid chromatography-inductively coupled plasma-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 367-72	4.4	11
17	Development and characterisation of new glycine certified reference materials for SI-traceable ¹³ C/ ¹² C isotope amount ratio measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 147-159	3.7	10
16	Interference-free determination of sub ng kg levels of long-lived Zr in the presence of high concentrations (µg kg) of Mo and Nb using ICP-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1029-1037	4.4	10

15	Fractionation of cadmium in tobacco and cigarette smoke condensate using XANES and sequential leaching with ICP-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 6795-6806	4.4	7
14	Calibration hierarchies for light element isotope delta reference materials. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8711	2.2	6
13	Single particle inductively coupled plasma mass spectrometry (spICP-MS) 2020 , 65-77		4
12	A fit-for-purpose copper speciation method for the determination of exchangeable copper relevant to Wilson's disease. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	4
11	AF4-UV-ICP-MS for detection and quantification of silver nanoparticles in seafood after enzymatic hydrolysis. <i>Talanta</i> , 2021 , 232, 122504	6.2	4
10	A species-specific double isotope dilution strategy for the accurate quantification of platinum-DNA adducts in lung cells exposed to carboplatin. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1320-1330	3.7	3
9	An insight into the determination of size and number concentration of silver nanoparticles in blood using single particle ICP-MS (spICP-MS): feasibility of application to samples relevant to in vivo toxicology studies. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1180-1192	3.7	3
8	Systematic study of the selenium fractionation in human plasma from a cancer prevention trial using HPLC hyphenated to ICP-MS and ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3313-3344	4.4	2
7	The comparability of the determination of the molar mass of silicon highly enriched in ²⁸ Si: results of the CCQM-P160 interlaboratory comparison and additional external measurements. <i>Metrologia</i> , 2020 , 57, 065028	2.1	1
6	Calibration of boron isotope ratio measurements by MC-ICP-MS using normalisation to admixed internal standards. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 2723-2731	3.7	1
5	A Study on the Analysis of Particle Size Distribution for Bimodal Model Nanoparticles by Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2282-2283	0.5	1
4	On-column internal standardisation as an alternative calibration strategy for speciation analysis: feasibility demonstration through analysis of inorganic As in rice. <i>Analytical Methods</i> , 2021 , 13, 3641-3648	3.2	1
3	Characterisation of inorganic nanomaterials in complex samples by hyphenated field-flow fractionation. <i>Comprehensive Analytical Chemistry</i> , 2021 , 93, 103-119	1.9	1
2	Guidance for characterization of in-house reference materials for light element stable isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e9177	2.2	1
1	Investigating the effect of species-specific calibration on the quantitative imaging of iron at mg kg ⁻¹ and selenium at μ g kg ⁻¹ in tissue using laser ablation with ICP-QQQ-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1047-1054	3.7	1