

Heidi Goenaga Infante

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

649
citations

623188

14
h-index

580395

25
g-index

35
all docs

35
docs citations

35
times ranked

917
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.6	77
2	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, 3919-3927.	1.9	72
3	A comparison of techniques for size measurement of nanoparticles in cell culture medium. <i>Analytical Methods</i> , 2016, 8, 5272-5282.	1.3	52
4	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.	1.6	41
5	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.	1.6	41
6	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.	1.6	35
7	Number Concentration of Gold Nanoparticles in Suspension: SAXS and spICPMS as Traceable Methods Compared to Laboratory Methods. <i>Nanomaterials</i> , 2019, 9, 502.	1.9	28
8	Sticky Measurement Problem: Number Concentration of Agglomerated Nanoparticles. <i>Langmuir</i> , 2019, 35, 4927-4935.	1.6	26
9	A fit-for-purpose copper speciation method for the determination of exchangeable copper relevant to Wilson's disease. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 561-573.	1.9	22
10	The role of ICP-MS in inorganic chemical metrology. <i>Metrologia</i> , 2019, 56, 034005.	0.6	20
11	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.	1.6	18
12	Measuring the relative concentration of particle populations using differential centrifugal sedimentation. <i>Analytical Methods</i> , 2018, 10, 2647-2657.	1.3	18
13	Development and characterisation of new glycine certified reference materials for SI-traceable $^{13}\text{C}/^{12}\text{C}$ isotope amount ratio measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 147-159.	1.6	18
14	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 <i>in vivo</i> toxicology studies. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1180-1192.	1.6	16
15	Versailles project on advanced materials and standards (VAMAS) interlaboratory study on measuring the number concentration of colloidal gold nanoparticles. <i>Nanoscale</i> , 2022, 14, 4690-4704.	2.8	15
16	Determination of absolute $^{13}\text{C}/^{12}\text{C}$ isotope amount ratios by MC-ICPMS using calibration with synthetic isotope mixtures. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1760.	1.6	14
17	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, 367-372.	1.9	13
18	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, 869-882.	1.9	13

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19	Interference-free determination of sub ng kg ⁻¹ levels of long-lived ⁹³ Zr in the presence of high concentrations (1/4g kg ⁻¹) of ⁹³ Mo and ⁹³ Nb using ICP-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1029-1037.	1.9	13
20	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.	1.6	12
21	AF4-UV-ICP-MS for detection and quantification of silver nanoparticles in seafood after enzymatic hydrolysis. <i>Talanta</i> , 2021, 232, 122504.	2.9	11
22	Investigating the effect of species-specific calibration on the quantitative imaging of iron at mg kg ⁻¹ and selenium at 1/4g kg ⁻¹ in tissue using laser ablation with ICP-QQQ-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1047-1054.	1.6	10
23	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.	1.9	9
24	Calibration hierarchies for light element isotope delta reference materials. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8711.	0.7	7
25	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.	0.6	7
26	A species-specific double isotope dilution strategy for the accurate quantification of platinum ¹⁹⁵ adducts in lung cells exposed to carboplatin. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1320-1330.	1.6	5
27	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, 331-344.	1.9	5
28	Guidance for characterization of in-house reference materials for light element stable isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9177.	0.7	5
29	Single particle inductively coupled plasma mass spectrometry (spICP-MS). , 2020, , 65-77.		4
30	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.	1.3	4
31	Final report on CCQM-K167: carbon isotope delta measurements of vanillin. <i>Metrologia</i> , 2022, 59, 08004.	0.6	4
32	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.	0.2	3
33	Characterisation of inorganic nanomaterials in complex samples by hyphenated field-flow fractionation. <i>Comprehensive Analytical Chemistry</i> , 2021, 93, 103-119.	0.7	3
34	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.	1.6	2