

Jose I Garcia-Alonso

List of Publications by Year in descending order

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Version: 2024-02-01

207
papers

6,192
citations

66336

42
h-index

118840

62
g-index

208
all docs

208
docs citations

208
times ranked

4462
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of $^{87}\text{Sr}/^{86}\text{Sr}$ in limestones after acid leaching and direct injection in a liquid chromatograph coupled to a multicollector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 194-202.	3.0	1
2	Evaluation of different internal standardization approaches for the quantification of melatonin in cell culture samples by multiple heart-cutting two dimensional liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1663, 462752.	3.7	2
3	Androgen-Dependent Prostate Cancer Cells Reprogram Their Metabolic Signature upon GLUT1 Upregulation by Manganese Superoxide Dismutase. <i>Antioxidants</i> , 2022, 11, 313.	5.1	5
4	Determination of 3-monoiodotyrosine and 3,5-diiodotyrosine in newborn urine and dried urine spots by isotope dilution tandem mass spectrometry. <i>Analyst</i> , The, 2022, 147, 1329-1340.	3.5	4
5	Isotopic measurements using ICP-MS: a tutorial review. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 701-726.	3.0	11
6	Sourcing of chalkstone used in medieval buildings in the Eastern Duchy of Normandy (10th~14th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2022, 37, 497-521.	1.5	3
7	Direct determination of Pb isotope ratios in archaeological materials by coupling liquid chromatography to multicollector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1694-1703.	3.0	2
8	Comprehensive Isotope Ratio Metabolomics: Gas chromatography Isotope Ratio Mass Spectrometry of urinary metabolites and exhaled breath. <i>Analytica Chimica Acta</i> , 2021, 1170, 338606.	5.4	4
9	Multiple heart-cutting two dimensional liquid chromatography and isotope dilution tandem mass spectrometry for the absolute quantification of proteins in human serum. <i>Analytica Chimica Acta</i> , 2021, 1184, 339022.	5.4	10
10	Determination of Cystatin C in human urine by isotope dilution tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112889.	2.8	2
11	Anion-Specific Sulfur Isotope Analysis by Liquid Chromatography Coupled to Multicollector ICPMS. <i>Analytical Chemistry</i> , 2019, 91, 10088-10094.	6.5	10
12	Hexavalent chromium quantification by isotope dilution mass spectrometry in potentially contaminated soils from south Italy. <i>Chemosphere</i> , 2019, 233, 92-100.	8.2	15
13	Measurement of compound-specific Hg isotopic composition in narrow transient signals by gas chromatography coupled to multicollector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 753-763.	3.0	13
14	Concentration of mercury species in hair, blood and urine of individuals occupationally exposed to gaseous elemental mercury in Asturias (Spain) and its comparison with individuals from a control group formed by close relatives. <i>Science of the Total Environment</i> , 2019, 672, 314-323.	8.0	15
15	Isotopically Enriched Tracers and Inductively Coupled Plasma Mass Spectrometry Methodologies to Study Zinc Supplementation in Single-Cells of Retinal Pigment Epithelium in Vitro. <i>Analytical Chemistry</i> , 2019, 91, 4488-4495.	6.5	10
16	Quantitative Assessment of Individual Populations Present in Nanoparticle-antibody Conjugate Mixtures Using AF4-ICP-MS/MS. <i>Analytical Chemistry</i> , 2019, 91, 3567-3574.	6.5	18
17	A Provenance Study of Early Bronze Age Artefacts Found in Asturias (Spain) by Means of Metal Impurities and Lead, Copper and Antimony Isotopic Compositions. <i>Archaeometry</i> , 2019, 61, 683-700.	1.3	12
18	Isotope dilution LC-ESI-MS/MS and low resolution selected reaction monitoring as a tool for the accurate quantification of urinary testosterone. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 163, 113-121.	2.8	4

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19	Isotope Dilution Mass Spectrometry for Highly Precise Determination of Dissolved Inorganic Carbon in Seawater Aiming at Climate Change Studies. <i>Analytical Chemistry</i> , 2018, 90, 4677-4685.	6.5	3
20	The combined measurement of $^{87}\text{Sr}/^{86}\text{Sr}$ isotope ratios and $^{88}\text{Sr}/^{85}\text{Rb}$ elemental ratios using laser ablation MC-ICP-MS and its application for food provenance studies: the case for Asturian beans. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 867-875.	3.0	4
21	Isotope Dilution Mass Spectrometry $\hat{a}^{\sim}t.$, 2018, , .		5
22	Loss of 5hmC identifies a new type of aberrant DNA hypermethylation in glioma. <i>Human Molecular Genetics</i> , 2018, 27, 3046-3059.	2.9	26
23	Environmental migratory patterns and stock identification of <i>Mugil cephalus</i> in the Spanish Mediterranean Sea, by means of otolith microchemistry. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 188, 174-180.	2.1	16
24	Development of a Common Procedure for the Determination of Methylmercury, Ethylmercury, and Inorganic Mercury in Human Whole Blood, Hair, and Urine by Triple Spike Species-Specific Isotope Dilution Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 6731-6739.	6.5	33
25	Identification of potential fish stocks and lifetime movement patterns of <i>Mugil liza</i> Valenciennes 1836 in the Southwestern Atlantic Ocean. <i>Fisheries Research</i> , 2017, 193, 164-172.	1.7	25
26	Instrumental Setup for Simultaneous Total and Speciation Analysis of Volatile Arsenic Compounds in Gas and Liquefied Gas Samples. <i>Analytical Chemistry</i> , 2017, 89, 5719-5724.	6.5	10
27	Evaluation of uncertainty sources in the determination of testosterone in urine by calibration-based and isotope dilution quantification using ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1508, 73-80.	3.7	10
28	Accurate and sensitive determination of molar fractions of ^{13}C -labeled intracellular metabolites in cell cultures grown in the presence of isotopically-labeled glucose. <i>Analytica Chimica Acta</i> , 2017, 969, 35-48.	5.4	5
29	Evaluation of sulfur isotopic enrichment of urine metabolites for the differentiation of healthy and prostate cancer mice after the administration of ^{34}S labelled yeast. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 39, 155-161.	3.0	0
30	Melatonin Decreases Glucose Metabolism in Prostate Cancer Cells: A ^{13}C Stable Isotope-Resolved Metabolomic Study. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1620.	4.1	38
31	A cost-effective approach to produce ^{15}N -labelled amino acids employing <i>Chlamydomonas reinhardtii</i> CC503. <i>Microbial Cell Factories</i> , 2017, 16, 146.	4.0	9
32	Methods for the Analysis of Key Organic Impurities in Biogas. , 2016, , .		1
33	The quest for the soldier's rest: combining anthropological and archaeochemical approaches to study social and occupational diversity in the medieval graveyard of San Andr�s de Arroyo (Palencia,) Tj ETQq1 1 0.4784314rgBT /Over		
34	Simultaneous determination of $\hat{1}\pm$, $\hat{1}^2$ - and $\hat{1}^3$ -hexabromocyclododecane diastereoisomers in water samples by isotope dilution mass spectrometry using ^{81}Br -labeled analogs. <i>Journal of Chromatography A</i> , 2016, 1429, 230-237.	3.7	3
35	A simplified calculation procedure for mass isotopomer distribution analysis (MIDA) based on multiple linear regression. <i>Journal of Mass Spectrometry</i> , 2016, 51, 980-987.	1.6	9
36	Evaluation of the spectral accuracy of mass spectrometers using compounds containing Cl or Br atoms. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1036-1042.	1.6	3

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37	Determination of free methionine in human blood plasma by species-specific isotope dilution HPLC-ICP-MS using ³⁴ S-labelled methionine. Journal of Analytical Atomic Spectrometry, 2016, 31, 1885-1894.	3.0	10
38	Comparison of gas chromatography-combustion-mass spectrometry and gas chromatography-flame ionization detector for the determination of fatty acid methyl esters in biodiesel without specific standards. Journal of Chromatography A, 2016, 1457, 134-143.	3.7	13
39	Butyltin compounds in sediment and biota from the lagoon of Bizerte (northern Tunisia): Potential risk for consumers?. Human and Ecological Risk Assessment (HERA), 2016, 22, 337-349.	3.4	19
40	Evidence of the direct adsorption of mercury in human hair during occupational exposure to mercury vapour. Journal of Trace Elements in Medicine and Biology, 2016, 36, 16-21.	3.0	21
41	Study of the degradation of butyltin compounds in surface water samples under different storage conditions using multiple isotope tracers and GC-MS/MS. Environmental Science and Pollution Research, 2016, 23, 4876-4885.	5.3	7
42	Comparison of different mass spectrometric techniques for the determination of polychlorinated biphenyls by isotope dilution using ³⁷ Cl-labelled analogues. Analytical Methods, 2015, 7, 9068-9075.	2.7	9
43	Quantification of Cr(VI) in soil samples from a contaminated area in northern Italy by isotope dilution mass spectrometry. Environmental Science and Pollution Research, 2015, 22, 17569-17576.	5.3	20
44	Evaluation of multi-collector inductively coupled plasma mass spectrometry (MC-ICP-MS) for sulfur metabolic studies using ³⁴ S-labelled yeast. Journal of Analytical Atomic Spectrometry, 2015, 30, 1764-1773.	3.0	8
45	Determination of Polychlorinated Biphenyls in Solid Samples by Isotope Dilution Mass Spectrometry Using ³⁷ Cl-Labeled Analogues. Analytical Chemistry, 2015, 87, 7840-7847.	6.5	9
46	Sulfur analysis by inductively coupled plasma-mass spectrometry: A review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 108, 35-52.	2.9	53
47	Simultaneous Determination of Creatinine and Creatine in Human Serum by Double-Spike Isotope Dilution Liquid Chromatography–Tandem Mass Spectrometry (LC-MS/MS) and Gas Chromatography–Mass Spectrometry (GC-MS). Analytical Chemistry, 2015, 87, 3755-3763.	6.5	43
48	Modification of a commercial gas chromatography isotope ratio mass spectrometer for on-line carbon isotope dilution: Evaluation of its analytical characteristics for the quantification of organic compounds. Journal of Chromatography A, 2015, 1419, 99-108.	3.7	5
49	Determination of ultratrace levels of tributyltin in waters by isotope dilution and gas chromatography coupled to tandem mass spectrometry. Journal of Chromatography A, 2015, 1425, 265-272.	3.7	19
50	The effect of size and epibiotic barnacles on imposex in <i>Stramonita haemastoma</i> collected from the northern coast of Tunisia. Marine Biology Research, 2015, 11, 313-320.	0.7	13
51	Determination of Cystatin C in human serum by isotope dilution mass spectrometry using mass overlapping peptides. Journal of Proteomics, 2015, 112, 141-155.	2.4	30
52	Simultaneous determination of seven β 2-agonists in human and bovine urine by isotope dilution liquid chromatography–tandem mass spectrometry using compound-specific minimally ¹³ C-labelled analogues. Journal of Chromatography A, 2014, 1372, 63-71.	3.7	14
53	Isotopic Composition of Lead in Copper Ores and a Copper Artefact from the ^L Profunda Mine (^L ^e ³ n, ^S ^p ain). Archaeometry, 2014, 56, 651-664.	1.3	18
54	Monitoring the effectiveness of the European tributyltin regulation on the Basque coast (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	12

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55	Cd-induced phytochelatin synthesis in <i>Dittrichia viscosa</i> (L.) Greuter is determined by the dilution of the culture medium. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1133-1145.	5.3	5
56	Development of an isotope dilution GC-MS procedure for the routine determination of creatinine in complex serum samples. <i>Clinica Chimica Acta</i> , 2014, 431, 96-102.	1.1	8
57	Defining the Lead Isotopic Fingerprint of Copper Ores from North-West Spain: The El Milagro Mine (Asturias). <i>Archaeometry</i> , 2014, 56, 88-101.	1.3	18
58	On-line double isotope dilution laser ablation inductively coupled plasma mass spectrometry for the quantitative analysis of solid materials. <i>Analytica Chimica Acta</i> , 2014, 851, 64-71.	5.4	20
59	Evaluation of online carbon isotope dilution mass spectrometry for the purity assessment of synthetic peptide standards. <i>Analytica Chimica Acta</i> , 2014, 844, 48-53.	5.4	8
60	Determination of the enrichment of isotopically labelled molecules by mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 681-691.	1.6	27
61	Sulphur tracer experiments in laboratory animals using ³⁴ S-labelled yeast. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2889-2899.	3.7	8
62	Detection of transgenerational barium dual-isotope marks in salmon otoliths by means of LA-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2901-2909.	3.7	20
63	Imposex and butyltin burden in <i>Bolinus brandaris</i> (Mollusca, Gastropoda) and sediment from the Tunisian coast. <i>Hydrobiologia</i> , 2013, 714, 13-24.	2.0	19
64	Isotope pattern deconvolution-tandem mass spectrometry for the determination and confirmation of diclofenac in wastewaters. <i>Analytica Chimica Acta</i> , 2013, 765, 77-85.	5.4	13
65	Overcoming matrix effects in electrospray: Quantitation of β^2 -agonists in complex matrices by isotope dilution liquid chromatography-mass spectrometry using singly ¹³ C-labeled analogues. <i>Journal of Chromatography A</i> , 2013, 1288, 40-47.	3.7	48
66	Liquid Chromatography, Chemical Oxidation, and Online Carbon Isotope Dilution Mass Spectrometry as a Universal Quantification System for Nonvolatile Organic Compounds. <i>Analytical Chemistry</i> , 2013, 85, 1873-1879.	6.5	9
67	Individual-Specific Transgenerational Marking of Fish Populations Based on a Barium Dual-Isotope Procedure. <i>Analytical Chemistry</i> , 2012, 84, 127-133.	6.5	21
68	Double Spike Isotope Dilution GC-ICP-MS for Evaluation of Mercury Species Transformation in Real Fish Samples Using Ultrasound-Assisted Extraction. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8333-8339.	5.2	21
69	Fast and Accurate Procedure for the Determination of Cr(VI) in Solid Samples by Isotope Dilution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2012, 46, 12542-12549.	10.0	40
70	Development of a Dual-Isotope Procedure for the Tagging and Identification of Manufactured Products: Application to Explosives. <i>Analytical Chemistry</i> , 2012, 84, 121-126.	6.5	10
71	LEAD ISOTOPIC ANALYSIS OF COPPER ORES FROM THE SIERRA EL ARAMO (ASTURIAS, SPAIN)*. <i>Archaeometry</i> , 2012, 54, 685-697.	1.3	19
72	Multiple linear regression and on-line ion exchange chromatography for alternative Rb-Sr and Nd-Sm MC-ICP-MS isotopic measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 611.	3.0	27

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73	Towards compound-independent calibration for organic compounds using online isotope dilution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 91-97.	3.7	3
74	Development of a routine method for the simultaneous confirmation and determination of clenbuterol in urine by minimal labeling isotope pattern deconvolution and GC-EI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1879-1888.	3.7	22
75	Internal correction of spectral interferences and mass bias for selenium metabolism studies using enriched stable isotopes in combination with multiple linear regression. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2749-2763.	3.7	13
76	Determination of Priority Polybrominated Diphenyl Ethers by Isotope Dilution Gas Chromatography(Electron Ionization)MS Using ⁸¹ Br-Labeled Standards. <i>Analytical Chemistry</i> , 2011, 83, 3024-3032.	6.5	11
77	Potential of <i>Nassarius nitidus</i> for monitoring organotin pollution in the lagoon of Bizerta (northern Tunisia). <i>Journal of Environmental Sciences</i> , 2011, 23, 1551-1557.	6.1	13
78	Monitoring of Organotin Pollution in Bizerta Channel (Northern Tunisia): Temporal Trend from 2002 to 2010. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 531-534.	2.7	25
79	Determination of ultra-trace levels of priority PBDEs in water samples by isotope dilution GC(ECNI)MS using ⁸¹ Br-labelled standards. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2639-2649.	3.7	12
80	Use of the stable isotope ⁵⁷ Fe to track the efficacy of the foliar application of lignosulfonate/Fe ³⁺ complexes to correct Fe deficiencies in cucumber plants. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 395-404.	3.5	19
81	Response to "Comments on the uncertainties in isotope patterns of molecules" by J. Meija and Z. Mester (doi:10.1016/j.aca.2010.09.029). <i>Analytica Chimica Acta</i> , 2011, 694, 177-180.	5.4	3
82	A straightforward route to obtain ¹³ C1-labeled clenbuterol. <i>Tetrahedron</i> , 2011, 67, 5577-5581.	1.9	9
83	Baseline of butyltin pollution in coastal sediments within the Basque Country (northern Spain), in 2007-2008. <i>Marine Pollution Bulletin</i> , 2010, 60, 139-145.	5.0	43
84	Determination of the uncertainties in the theoretical mass isotopomer distribution of molecules. <i>Analytica Chimica Acta</i> , 2010, 664, 68-76.	5.4	21
85	Identification of a Tri-Iron(III), Tri-Citrate Complex in the Xylem Sap of Iron-Deficient Tomato Resupplied with Iron: New Insights into Plant Iron Long-Distance Transport. <i>Plant and Cell Physiology</i> , 2010, 51, 91-102.	3.1	235
86	Multiple Spiking Species-Specific Isotope Dilution Analysis by Molecular Mass Spectrometry: Simultaneous Determination of Inorganic Mercury and Methylmercury in Fish Tissues. <i>Analytical Chemistry</i> , 2010, 82, 2773-2783.	6.5	47
87	Development of a Direct Procedure for the Measurement of Sulfur Isotope Variability in Beers by MC-ICP-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4043-4050.	5.2	11
88	Synthesis of ⁸¹ Br-Labeled Polybrominated Diphenyl Ethers and Their Characterization Using GC(EI)MS and GC(ICP)MS. <i>Analytical Chemistry</i> , 2010, 82, 2879-2887.	6.5	16
89	Evaluation of minimal ¹³ C-labelling for stable isotope dilution in organic analysis. <i>Analyst</i> , 2010, 135, 953.	3.5	41
90	Gas Chromatography-Combustion-Mass Spectrometry with Postcolumn Isotope Dilution for Compound-Independent Quantification: Its Potential to Assess HS-SPME Procedures. <i>Analytical Chemistry</i> , 2010, 82, 6862-6869.	6.5	13

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91	Using a dual-stable isotope tracer method to study the uptake, xylem transport and distribution of Fe and its chelating agent from stereoisomers of an Fe(III)-chelate used as fertilizer in Fe-deficient Strategy I plants. <i>Metallomics</i> , 2010, 2, 646.	2.4	22
92	Evaluation of different analytical strategies for the quantification of sulfur-containing biomolecules by HPLC-ICP-MS: Application to the characterisation of ³⁴ S-labelled yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 989.	3.0	32
93	Recent advances in isotope dilution analysis for elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 239.	3.0	48
94	Novel HPLC-ICP-MS strategy for the determination of ¹²⁵ I-Transferrin, the biomarker of cerebrospinal fluid (CSF) leakage. <i>Analyst</i> , 2010, 135, 1538.	3.5	18
95	Quantification of selenium species in petroleum refinery wastewaters using ion chromatography coupled to post-column isotope dilution analysis ICP-MS. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1878-1886.	0.6	5
96	Stress-induced large Curie temperature enhancement in $Fe_{64}Ni_{36}$ invar alloy. <i>Physical Review B</i> , 2009, 80, .	3.2	65
97	Imposex and butyltin body burden in <i>Nassarius nitidus</i> (Jeffreys, 1867), in coastal waters within the Basque Country (northern Spain). <i>Science of the Total Environment</i> , 2009, 407, 4333-4339.	8.0	12
98	A Quantitative Universal Detection System for Organic Compounds in Gas Chromatography with Isotopically Enriched ¹³ CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2561-2564.	13.8	18
99	Measurement of longitudinal sulfur isotopic variations by laser ablation MC-ICP-MS in single human hair strands. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 225-233.	3.7	41
100	Internal correction of hafnium oxide spectral interferences and mass bias in the determination of platinum in environmental samples using isotope dilution analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 351-362.	3.7	16
101	Stress-induced Curie temperature increase in the $Fe_{64}Ni_{36}$ invar alloy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 115-117.	2.4	16
102	Butyltin compounds, sterility and imposex assessment in <i>Nassarius reticulatus</i> (Linnaeus, 1758), prior to the 2008 European ban on TBT antifouling paints, within Basque ports and along coastal areas. <i>Continental Shelf Research</i> , 2009, 29, 1165-1173.	1.8	30
103	Enriched stable isotopes and isotope pattern deconvolution for quantitative speciation of endogenous and exogenous selenium in rat urine by HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 460.	3.0	27
104	Evaluation of alternative procedures for the provision of consensus and assigned values to sixteen trace elements in natural water used for an ICP-MS proficiency testing exercise. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 815.	3.0	5
105	Assembly and Study of Different Mercury Cells with Known Impurity Content and Isotopic Composition. <i>International Journal of Thermophysics</i> , 2008, 29, 93-103.	2.1	9
106	Evaluating the potential and limitations of double-spiking species-specific isotope dilution analysis for the accurate quantification of mercury species in different environmental matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 655-666.	3.7	81
107	Isotope pattern deconvolution as a tool to study iron metabolism in plants. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 579-590.	3.7	41
108	Separation of rare earth elements by anion-exchange chromatography using ethylenediaminetetraacetic acid as mobile phase. <i>Journal of Chromatography A</i> , 2008, 1180, 59-65.	3.7	43

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109	Measurement of strontium isotope ratios by MC-ICP-MS after on-line Rb/Sr ion chromatography separation. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 84-93.	3.0	28
110	Consideration and influence of complexed forms of mercury species on the reactivity patterns determined by speciated isotope dilution model approaches: A case for natural biological reference materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 385-396.	3.0	17
111	Internal correction of spectral interferences and mass bias in ICP-MS using isotope pattern deconvolution: Application to the determination of selenium in biological samples by isotope dilution analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 579.	3.0	20
112	Isotope pattern deconvolution for internal mass bias correction in the characterisation of isotopically enriched spikes. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 318-324.	3.0	27
113	Efficacy of Fe(o,o-EDDHA) and Fe(o,p-EDDHA) Isomers in Supplying Fe to Strategy I Plants Differs in Nutrient Solution and Calcareous Soil. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10774-10778.	5.2	27
114	Comparison of different numerical approaches for multiple spiking species-specific isotope dilution analysis exemplified by the determination of butyltin species in sediments. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1373.	3.0	44
115	Determination of trihalomethanes in drinking water by GC-ICP-MS using compound independent calibration with internal standard. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1138.	3.0	21
116	Lead isotope ratios in Spanish coals of different characteristics and origin. <i>International Journal of Coal Geology</i> , 2007, 71, 28-36.	5.0	37
117	Large volume injection in ion chromatography. <i>Journal of Chromatography A</i> , 2007, 1149, 274-281.	3.7	21
118	Evaluation of strontium isotope abundance ratios in combination with multi-elemental analysis as a possible tool to study the geographical origin of ciders. <i>Analytica Chimica Acta</i> , 2007, 590, 55-66.	5.4	75
119	Isotope dilution analysis mass spectrometry for the routine measurement of butyltin compounds in marine environmental and biological samples. <i>Microchemical Journal</i> , 2007, 85, 115-121.	4.5	30
120	Determination of selenium in biological samples by isotope dilution analysis octapole reaction system ICP-MS. <i>Special Publication - Royal Society of Chemistry</i> , 2007, , 271-281.	0.0	0
121	Biosynthesis of sulfur-34 labelled yeast and its characterisation by multicollector-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1105.	3.0	23
122	Use of enriched ⁷⁴ Se and ⁷⁷ Se in combination with isotope pattern deconvolution to differentiate and determine endogenous and supplemented selenium in lactating rats. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 707-713.	3.7	22
123	Simultaneous determination of inorganic mercury, methylmercury, and total mercury concentrations in cryogenic fresh-frozen and freeze-dried biological reference materials. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 787-798.	3.7	37
124	The use of different enriched isotope mixtures for the determination of butyltin compounds in environmental samples using isotope dilution GC-ICP-MS. <i>Special Publication - Royal Society of Chemistry</i> , 2007, , 148-159.	0.0	0
125	The use of enriched ¹¹¹ Cd as tracer to study de novo cadmium accumulation and quantitative speciation in <i>Anguilla anguilla</i> tissues. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 270.	3.0	34
126	Application of Isotope Dilution Analysis for the Evaluation of Extraction Conditions in the Determination of Total Selenium and Selenomethionine in Yeast-Based Nutritional Supplements. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 1557-1563.	5.2	36

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127	Selenium bioaccessibility assessment in selenized yeast after "in vitro" gastrointestinal digestion using two-dimensional chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1110, 108-116.	3.7	62
128	Contamination of the Coastal Waters of Gijón (North West Spain) by Butyltin Compounds. <i>Water, Air, and Soil Pollution</i> , 2006, 174, 127-139.	2.4	19
129	Isotope dilution GC-MS routine method for the determination of butyltin compounds in water. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 908-914.	3.7	32
130	Isotope dilution SPME GC/MS for the determination of methylmercury in tuna fish samples. <i>Journal of Mass Spectrometry</i> , 2006, 41, 77-83.	1.6	29
131	Isotope dilution analysis for elemental speciation: a tutorial review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 151-207.	2.9	341
132	Interpretation of butyltin mass spectra using isotope pattern reconstruction for the accurate measurement of isotope ratios from molecular clusters. <i>Journal of Mass Spectrometry</i> , 2005, 40, 807-814.	1.6	27
133	Monitoring the degradation and solubilisation of butyltin compounds during in vitro gastrointestinal digestion using "triple spike" isotope dilution GC-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 380-387.	3.7	18
134	Single and multiple spike procedures for the determination of butyltin compounds in sediments using isotope dilution GC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1076.	3.0	44
135	Species-Specific Isotope Dilution Analysis and Isotope Pattern Deconvolution for Butyltin Compounds Metabolism Investigations. <i>Analytical Chemistry</i> , 2005, 77, 7724-7734.	6.5	38
136	Methylmercury in tuna: demonstrating measurement capabilities and evaluating comparability of results worldwide from the CCQM P-39 comparison. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1058.	3.0	11
137	Biosynthesis of isotopically enriched selenomethionine: application to its accurate determination in selenium-enriched yeast by isotope dilution analysis-HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1230-1235.	3.0	47
138	Simultaneous determination of mono-, di- and tributyltin in environmental samples using isotope dilution gas chromatography mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 485-494.	1.6	32
139	Simultaneous determination of inorganic anions, calcium and magnesium by suppressed ion chromatography. <i>Journal of Chromatography A</i> , 2004, 1033, 127-133.	3.7	25
140	Development of a triple spike methodology for validation of butyltin compounds speciation analysis by isotope dilution mass spectrometry : Part I. Synthesis of the spike, characterisation and development of the mathematical equations. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 685-691.	3.0	46
141	The use of a suppressor column for calcium removal in the determination of iron in water samples by collision cell ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 649-651.	3.0	16
142	Development of a triple spike methodology for validation of butyltin compounds speciation analysis by isotope dilution mass spectrometry : Part 2. Study of different extraction procedures for the determination of butyltin compounds in mussel tissue CRM 477. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 767-772.	3.0	34
143	Determination of tributyltin in marine sediment: Comité 1/2 Consultatif pour la Quantité 1/2 de Matière 1/2re (CCQM) pilot study P-18 international intercomparison. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 780-787.	3.7	28
144	Isotopically-labelled compounds for validating organometallics speciation analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 108-114.	11.4	24

#	ARTICLE	IF	CITATIONS
145	Quantitative speciation of selenium in human serum by affinity chromatography coupled to post-column isotope dilution analysis ICP-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 1210-1216.	3.0	123
146	Isotope dilution analysis as a definitive tool for the speciation of organotin compounds. Analyst, The, 2003, 128, 447-452.	3.5	20
147	Determination of selenium in biological materials by isotope dilution analysis with an octapole reaction system ICP-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 11-16.	3.0	88
148	Comparison of three different ICP-MS instruments in the study of cadmium speciation in rabbit liver metallothionein-1 using reversed-phase HPLC and post-column isotope dilution analysis. Journal of Analytical Atomic Spectrometry, 2002, 17, 1024-1029.	3.0	37
149	Evaluation of Extraction Techniques for the Determination of Butyltin Compounds in Sediments Using Isotope Dilution-GC/ICPMS with ¹¹⁸ Sn and ¹¹⁹ Sn-Enriched Species. Analytical Chemistry, 2002, 74, 270-281.	6.5	77
150	Evaluation of Accelerated Solvent Extraction for Butyltin Speciation in PACS-2 CRM Using Double-Spike Isotope Dilution-GC/ICPMS. Analytical Chemistry, 2002, 74, 5237-5242.	6.5	46
151	Determination of butyltin compounds in coastal sea-water samples using isotope dilution GC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2002, 17, 824-830.	3.0	46
152	Calcification rate and temperature effects on Sr partitioning in coccoliths of multiple species of coccolithophorids in culture. Global and Planetary Change, 2002, 34, 153-171.	3.5	73
153	Determination of butyltin compounds in environmental samples by isotope-dilution GC-ICP-MS. Analytical and Bioanalytical Chemistry, 2002, 373, 432-440.	3.7	40
154	Chapter 3 Analysis of biological materials by double focusing-inductively coupled plasma-mass spectrometry (DF-ICP-MS). Advances in Atomic Spectroscopy, 2002, , 117-177.	0.8	2
155	A first look at paleotemperature prospects from Mg in coccolith carbonate: Cleaning techniques and culture measurements. Geochemistry, Geophysics, Geosystems, 2001, 2, n/a-n/a.	2.5	61
156	A comparison between quadrupole, double focusing and multicollector ICP-MS instruments : Part I. Evaluation of total combined uncertainty for lead isotope ratio measurements. Journal of Analytical Atomic Spectrometry, 2001, 16, 315-321.	3.0	70
157	A comparison between quadrupole, double focusing and multicollector ICP-MS : Part II. Evaluation of total combined uncertainty in the determination of lead in biological matrices by isotope dilution. Journal of Analytical Atomic Spectrometry, 2001, 16, 322-326.	3.0	27
158	Coupling of ICP-MS with ion chromatography after conductivity suppression for the determination of anions in natural and waste waters. Journal of Analytical Atomic Spectrometry, 2001, 16, 1035-1039.	3.0	27
159	Isotope ratio measurements using gas chromatography inductively coupled plasma mass spectrometry for the assessment of organolead sources. Journal of Analytical Atomic Spectrometry, 2001, 16, 475-480.	3.0	31
160	Simultaneous Determination of Mono-, Di-, and Tributyltin in Sediments by Isotope Dilution Analysis Using Gas Chromatography-ICPMS. Analytical Chemistry, 2001, 73, 3174-3180.	6.5	65
161	Speciation of essential elements in human serum using anion-exchange chromatography coupled to post-column isotope dilution analysis with double focusing ICP-MS. Journal of Analytical Atomic Spectrometry, 2001, 16, 587-592.	3.0	92
162	Comparison of metal pre-concentration on immobilized Kelex-100 and quadruple inductively coupled plasma mass spectrometric detection with direct double focusing inductively coupled plasma mass spectrometric measurements for ultratrace multi-element determinations in sea-water. Analytica Chimica Acta, 2001, 429, 227-235.	5.4	38

#	ARTICLE	IF	CITATIONS
163	Reference Values for Trace and Ultratrace Elements in Human Serum Determined by Double-Focusing ICP-MS. Biological Trace Element Research, 2001, 82, 259-272.	3.5	55
164	Comparison of different derivatization approaches for mercury speciation in biological tissues by gas chromatography/inductively coupled plasma mass spectrometry. , 2000, 35, 639-646.		62
165	Development of a Stable Isotope Approach for the Inductively Coupled Plasmaâ€“Mass Spectrometry Determination of Oxidized Metallothionein in Biological Materials. Analytical Biochemistry, 2000, 282, 194-199.	2.4	18
166	Determination of the speciation of organolead compounds in airborne particulate matter by gas chromatographyâ€“inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2000, 423, 21-29.	5.4	31
167	Determination of n-alkanes and polycyclic aromatic hydrocarbons in atmospheric particulate and vapour phases in Oviedo, Spain, by GC-MS. Journal of Environmental Monitoring, 2000, 2, 218-222.	2.1	17
168	Synthesis and application of isotopically labelled dibutyltin for isotope dilution analysis using gas chromatography-ICP-MS. Journal of Analytical Atomic Spectrometry, 2000, 15, 1233-1239.	3.0	49
169	A comparison of different derivatisation approaches for the determination of selenomethionine by GC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2000, 15, 1217-1222.	3.0	41
170	Multielemental trace analysis of biological materials using double focusing inductively coupled plasma mass spectrometry detection. Analytica Chimica Acta, 1999, 400, 307-320.	5.4	37
171	Indirect determination of trace amounts of fluoride in natural waters by ion chromatography: a comparison of on-line post-column fluorimetry and ICP-MS detectors. Analyst, The, 1999, 124, 27-31.	3.5	57
172	Multi-elemental trace analysis of human serum by double-focusing ICP-MS. Journal of Analytical Atomic Spectrometry, 1999, 14, 193-198.	3.0	59
173	An alternative GC-ICP-MS interface design for trace element speciation. Journal of Analytical Atomic Spectrometry, 1999, 14, 1317-1322.	3.0	64
174	Accurate determination of iron, copper and zinc in human serum by isotope dilution analysis using double focusing ICP-MS. Journal of Analytical Atomic Spectrometry, 1999, 14, 1505-1510.	3.0	54
175	Determination of cadmium in environmental and biological reference materials using isotope dilution analysis with a double focusing ICP-MS: a comparison with quadrupole ICP-MS. Journal of Analytical Atomic Spectrometry, 1999, 14, 1467-1473.	3.0	36
176	Capabilities of fast protein liquid chromatography coupled to a double focusing inductively coupled plasma mass spectrometer for trace metal speciation in human serum. Journal of Analytical Atomic Spectrometry, 1999, 14, 947-951.	3.0	34
177	Comparison of the retention behaviour of uranium and thorium on high-efficiency resin substrates impregnated or dynamically coated with metal chelating compounds. Journal of Chromatography A, 1998, 816, 286-291.	3.7	26
178	Semiquantitative elemental analysis of water samples using double focusing inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1998, 13, 1027-1032.	3.0	25
179	Speciation of basal aluminium in human serum by fast protein liquid chromatography with inductively coupled plasma mass spectrometric detectionâ€“. Analyst, The, 1998, 123, 865-869.	3.5	67
180	Enhanced semiquantitative multi-analysis of trace elements in environmental samples using inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1998, 13, 277-282.	3.0	28

#	ARTICLE	IF	CITATIONS
181	Comparison of electrothermal atomic absorption spectrometry, quadrupole inductively coupled plasma mass spectrometry and double-focusing sector field inductively coupled plasma mass spectrometry for the determination of aluminium in human serum. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 283-287.	3.0	27
182	Determination of Neptunium and Plutonium in the Presence of High Concentrations of Uranium by Ion Chromatography-Inductively Coupled Plasma Mass Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 355-361.	3.0	74
183	Determination of Butyltin Compounds in Sediments by Means of Hydride Generation/Cold Trapping Gas Chromatography Coupled to Inductively Coupled Plasma Mass Spectrometric Detection. <i>Journal of Mass Spectrometry</i> , 1997, 32, 542-549.	1.6	17
184	Different Quantification Approaches for the Analysis of Biological and Environmental Samples Using Inductively Coupled Plasma Mass Spectrometry. , 1997, 32, 556-564.		22
185	Characterization of spent nuclear fuels by ion chromatography-inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 929-935.	3.0	47
186	Analysis of long-lived radionuclides by ICP-MS. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 203, 19-29.	1.5	13
187	Determination of fission products and actinides by inductively coupled plasma-mass spectrometry using isotope dilution analysis: A study of random and systematic errors. <i>Analytica Chimica Acta</i> , 1995, 312, 57-78.	5.4	95
188	Determination of fission products and actinides in spent nuclear fuels by isotope dilution ion chromatography inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 381.	3.0	110
189	Characterization of spent nuclear fuel dissolver solutions and dissolution residues by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 1209.	3.0	32
190	Determination of ⁹⁹ Tc in nuclear samples by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 1217.	3.0	10
191	Determination of butylin ion species by ion-exchange chromatography with inductively coupled plasma mass spectrometric and spectrofluorimetric detection. <i>Analytica Chimica Acta</i> , 1993, 283, 261-271.	5.4	49
192	Performance characteristics of a glove box inductively coupled plasma mass spectrometer for the analysis of nuclear materials. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 673.	3.0	36
193	Applications of a Glove-Box ICP-MS for the Analysis of Nuclear Materials. <i>Radiochimica Acta</i> , 1993, 62, 71-80.	1.2	25
194	Determination of some selected polycyclic aromatic hydrocarbons in environmental samples by high-performance liquid chromatography with fluorescence detection. <i>Chromatographia</i> , 1992, 33, 225-230.	1.3	23
195	Potential of micelle-mediate procedures in the sample preparation steps for the determination of polynuclear aromatic hydrocarbons in waters. <i>Analytica Chimica Acta</i> , 1992, 264, 241-248.	5.4	47
196	Time-resolved micelle-stabilized room-temperature phosphorimetry for simultaneous determination of gallium and indium. <i>Mikrochimica Acta</i> , 1991, 103, 199-207.	5.0	8
197	High performance liquid chromatography methods for studying protein binding of aluminium in human serum in the absence and in the presence of desferrioxamine. <i>Clinica Chimica Acta</i> , 1990, 189, 69-79.	1.1	34
198	Flow-injection and liquid chromatographic determination of aluminum based on its fluorimetric reaction with 8-hydroxyquinoline-5-sulphonic acid in a micellar medium. <i>Analytica Chimica Acta</i> , 1989, 225, 339-350.	5.4	39

#	ARTICLE	IF	CITATIONS
199	Analytical approaches to the problem of protein binding of aluminium in blood serum. Journal of Analytical Atomic Spectrometry, 1989, 4, 175-179.	3.0	34
200	Versatile computer controlled interface system for directly coupled high-performance liquid chromatography-flame atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1988, 3, 395.	3.0	14
201	Metal chelate fluorescence enhancement in micellar media: mechanisms of surfactant action. Analyst, The, 1987, 112, 493.	3.5	62
202	Determination of tributyltin ions in estuarine waters by high-performance liquid chromatography with fluorimetric detection using morin in a micellar solution. Analyst, The, 1987, 112, 1551.	3.5	59
203	A simple and versatile interface to feed analogue data from the output of analytical instruments to a BBC microcomputer. Journal of Automated Methods and Management in Chemistry, 1987, 9, 132-134.	0.3	2
204	Metal chelate fluorescence enhancement in micellar media and its applications to niobium and tantalum ultratrace determinations. Analytical Chemistry, 1985, 57, 1681-1687.	6.5	62
205	Spectrofluorimetric determination of niobium with morin enhanced by cetyltrimethylammonium bromide micelles. Analytica Chimica Acta, 1984, 165, 159-169.	5.4	31
206	The surfactant-sensitized analytical reaction of niobium with 8-hydroxyquinoline-5-sulphonic acid. Talanta, 1984, 31, 361-366.	5.5	24
207	COMPARISON OF GC-ICP-MS, GC-EI-MS AND GC-EI-MS/MS FOR THE DETERMINATION OF METHYLMERCURY, ETHYLMERCURY AND INORGANIC MERCURY IN BIOLOGICAL SAMPLES BY TRIPLE SPIKE SPECIES-SPECIFIC ISOTOPE DILUTION MASS SPECTROMETRY. Journal of Analytical Atomic Spectrometry, 0, , .	3.0	7