Jose I Garcia-Alonso

List of Publications by Year
in descending order

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207	6,192	66343	118850
papers	citations	42 h-index	62 g-index

208	208	208	4462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isotope dilution analysis for elemental speciation: a tutorial review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 151-207.	2.9	341
2	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. Plant and Cell Physiology, 2010, 51, 91-102.	3.1	235
3	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
4	Determination of fission products and actinides in spent nuclear fuels by isotope dilution ion chromatography inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1995, 10, 381.	3.0	110
5	Determination of fission products and actinides by inductively coupled plasma-mass spectrometry using isotope dilution analysis: A study of random and systematic errors. Analytica Chimica Acta, 1995, 312, 57-78.	5.4	95
6	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
7	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
8	Evaluating the potential and limitations of double-spiking species-specific isotope dilution analysis for the accurate quantification of mercury species in different environmental matrices. Analytical and Bioanalytical Chemistry, 2008, 390, 655-666.	3.7	81
9	Evaluation of Extraction Techniques for the Determination of Butyltin Compounds in Sediments Using Isotope Dilution-GC/ICPMS with118Sn and119Sn-Enriched Species. Analytical Chemistry, 2002, 74, 270-281.	6.5	77
10	Evaluation of strontium isotope abundance ratios in combination with multi-elemental analysis as a possible tool to study the geographical origin of ciders. Analytica Chimica Acta, 2007, 590, 55-66.	5.4	75
11	Determination of Neptunium and Plutonium in the Presence of High Concentrations of Uranium by Ion Chromatographyâ€“Inductively Coupled Plasma Mass Spectrometry. Journal of Analytical Atomic Spectrometry, 1997, 12, 355-361.	3.0	74
12	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
13	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
14	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
15	Simultaneous Determination of Mono-, Di-, and Tributyltin in Sediments by Isotope Dilution Analysis Using Gas Chromatographyâ€“ICPMS. Analytical Chemistry, 2001, 73, 3174-3180.	6.5	65
16	Stress-induced large Curie temperature enhancement in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>64</mml:mn></mml:m alloy. Physical Review B, 2009, 80, .	3.2	65
17	An alternative GC-ICP-MS interface design for trace element speciation. Journal of Analytical Atomic Spectrometry, 1999, 14, 1317-1322.	3.0	64
18	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

#	Article	IF	Citations
19	Metal chelate fluorescence enhancement in micellar media: mechanisms of surfactant action. Analyst, The, 1987, 112, 493.	3.5	62
20	Comparison of different derivatization approaches for mercury speciation in biological tissues by gas chromatography/inductively coupled plasma mass spectrometry. , 2000, 35, 639-646.		62
21	Selenium bioaccessibility assessment in selenized yeast after â€œin vitroâ€•gastrointestinal digestion using two-dimensional chromatography and mass spectrometry. Journal of Chromatography A, 2006, 1110, 108-116.	3.7	62
22	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
23	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
24	Multi-elemental trace analysis of human serum by double-focusing ICP-MS. Journal of Analytical Atomic Spectrometry, 1999, 14, 193-198.	3.0	59
25	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
26	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
27	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
28	Sulfur analysis by inductively coupled plasma-mass spectrometry: A review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 108, 35-52.	2.9	53
29	Determination of butylin ion species by ion-exchange chromatography with inductively coupled plasma mass spectrometric and spectrofluorimetric detection. Analytica Chimica Acta, 1993, 283, 261-271.	5.4	49
30	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
31	Recent advances in isotope dilution analysis for elemental speciation. Journal of Analytical Atomic Spectrometry, 2010, 25, 239.	3.0	48
32	Overcoming matrix effects in electrospray: Quantitation of Î²-agonists in complex matrices by isotope dilution liquid chromatographyâ€“mass spectrometry using singly 13C-labeled analogues. Journal of Chromatography A, 2013, 1288, 40-47.	3.7	48
33	Potential of micelle-mediate procedures in the sample preparation steps for the determination of polynuclear aromatic hydrocarbons in waters. Analytica Chimica Acta, 1992, 264, 241-248.	5.4	47
34	Characterization of spent nuclear fuels by ion chromatographyâ€“inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1996, 11, 929-935.	3.0	47
35	Biosynthesis of isotopically enriched selenomethionine: application to its accurate determination in selenium-enriched yeast by isotope dilution analysis-HPLC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2004, 19, 1230-1235.	3.0	47
36	Multiple Spiking Species-Specific Isotope Dilution Analysis by Molecular Mass Spectrometry: Simultaneous Determination of Inorganic Mercury and Methylmercury in Fish Tissues. Analytical Chemistry, 2010, 82, 2773-2783.	6.5	47

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37	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
38	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
39	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. Journal of Analytical Atomic Spectrometry, 2004, 19, 685-691.	3.0	46
40	Single and multiple spike procedures for the determination of butyltin compounds in sediments using isotope dilution GC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2005, 20, 1076.	3.0	44
41	Comparison of different numerical approaches for multiple spiking species-specific isotope dilution analysis exemplified by the determination of butyltin species in sediments. Journal of Analytical Atomic Spectrometry, 2007, 22, 1373.	3.0	44
42	Separation of rare earth elements by anion-exchange chromatography using ethylenediaminetetraacetic acid as mobile phase. Journal of Chromatography A, 2008, 1180, 59-65.	3.7	43
43	Baseline of butyltin pollution in coastal sediments within the Basque Country (northern Spain), in 2007â€“2008. Marine Pollution Bulletin, 2010, 60, 139-145.	5.0	43
44	Simultaneous Determination of Creatinine and Creatine in Human Serum by Double-Spike Isotope Dilution Liquid Chromatographyâ€“Tandem Mass Spectrometry (LC-MS/MS) and Gas Chromatographyâ€“Mass Spectrometry (GC-MS). Analytical Chemistry, 2015, 87, 3755-3763.	6.5	43
45	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
46	Isotope pattern deconvolution as a tool to study iron metabolism in plants. Analytical and Bioanalytical Chemistry, 2008, 390, 579-590.	3.7	41
47	Measurement of longitudinal sulfur isotopic variations by laser ablation MC-ICP-MS in single human hair strands. Analytical and Bioanalytical Chemistry, 2009, 394, 225-233.	3.7	41
48	Evaluation of minimal 13C-labelling for stable isotope dilution in organic analysis. Analyst, The, 2010, 135, 953.	3.5	41
49	Determination of butyltin compounds in environmental samples by isotope-dilution GCâ€“ICPâ€“MS. Analytical and Bioanalytical Chemistry, 2002, 373, 432-440.	3.7	40
50	Fast and Accurate Procedure for the Determination of Cr(VI) in Solid Samples by Isotope Dilution Mass Spectrometry. Environmental Science & Technology, 2012, 46, 12542-12549.	10.0	40
51	Flow-injection and liquid chromatographic determination of aluminum based on its fluorimetric reaction with 8-hydroxyquinoline-5-sulphonic acid in a micellar medium. Analytica Chimica Acta, 1989, 225, 339-350.	5.4	39
52	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
53	Species-Specific Isotope Dilution Analysis and Isotope Pattern Deconvolution for Butyltin Compounds Metabolism Investigations. Analytical Chemistry, 2005, 77, 7724-7734.	6.5	38
54	Melatonin Decreases Glucose Metabolism in Prostate Cancer Cells: A 13C Stable Isotope-Resolved Metabolomic Study. International Journal of Molecular Sciences, 2017, 18, 1620.	4.1	38

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55	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
56	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
57	Lead isotope ratios in Spanish coals of different characteristics and origin. International Journal of Coal Geology, 2007, 71, 28-36.	5.0	37
58	Simultaneous determination of inorganic mercury, methylmercury, and total mercury concentrations in cryogenic fresh-frozen and freeze-dried biological reference materials. Analytical and Bioanalytical Chemistry, 2007, 389, 787-798.	3.7	37
59	Performance characteristics of a glove box inductively coupled plasma mass spectrometer for the analysis of nuclear materials. Journal of Analytical Atomic Spectrometry, 1993, 8, 673.	3.0	36
60	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
61	Application of Isotope Dilution Analysis for the Evaluation of Extraction Conditions in the Determination of Total Selenium and Selenomethionine in Yeast-Based Nutritional Supplements. Journal of Agricultural and Food Chemistry, 2006, 54, 1557-1563.	5.2	36
62	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
63	High performance liquid chromatography methods for studying protein binding of aluminium in human serum in the absence and in the presence of desferrioxamine. Clinica Chimica Acta, 1990, 189, 69-79.	1.1	34
64	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
65	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. Journal of Analytical Atomic Spectrometry, 2004, 19, 767-772.	3.0	34
66	The use of enriched 111Cd as tracer to study de novo cadmium accumulation and quantitative speciation in Anguilla anguilla tissues. Journal of Analytical Atomic Spectrometry, 2006, 21, 270.	3.0	34
67	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. Analytical Chemistry, 2017, 89, 6731-6739.	6.5	33
68	Characterization of spent nuclear fuel dissolver solutions and dissolution residues by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1994, 9, 1209.	3.0	32
69	Simultaneous determination of mono-, di- and tributyltin in environmental samples using isotope dilution gas chromatography mass spectrometry. Journal of Mass Spectrometry, 2004, 39, 485-494.	1.6	32
70	Isotope dilution GC-MS routine method for the determination of butyltin compounds in water. Analytical and Bioanalytical Chemistry, 2006, 384, 908-914.	3.7	32
71	Evaluation of different analytical strategies for the quantification of sulfur-containing biomolecules by HPLC-ICP-MS: Application to the characterisation of 34S-labelled yeast. Journal of Analytical Atomic Spectrometry, 2010, 25, 989.	3.0	32
72	Spectrofluorimetric determination of niobium with morin enhanced by cetyltrimethylammonium bromide micelles. Analytica Chimica Acta, 1984, 165, 159-169.	5.4	31

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73	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
74	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
75	Isotope dilution analysis mass spectrometry for the routine measurement of butyltin compounds in marine environmental and biological samples. Microchemical Journal, 2007, 85, 115-121.	4.5	30
76	Butyltin compounds, sterility and imposex assessment in Nassarius reticulatus (Linnaeus, 1758), prior to the 2008 European ban on TBT antifouling paints, within Basque ports and along coastal areas. Continental Shelf Research, 2009, 29, 1165-1173.	1.8	30
77	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
78	Isotope dilution SPME GC/MS for the determination of methylmercury in tuna fish samples. Journal of Mass Spectrometry, 2006, 41, 77-83.	1.6	29
79	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
80	Determination of tributyltin in marine sediment: Comitï¿½ Consultatif pour la Quantitï¿½ de Matiï¿½re (CCQM) pilot study P-18 international intercomparison. Analytical and Bioanalytical Chemistry, 2003, 376, 780-787.	3.7	28
81	Measurement of strontium isotope ratios by MC-ICP-MS after on-line Rbâ€“Sr ion chromatography separation. Journal of Analytical Atomic Spectrometry, 2008, 23, 84-93.	3.0	28
82	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. Journal of Analytical Atomic Spectrometry, 1998, 13, 283-287.	3.0	27
83	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
84	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
85	Interpretation of butyltin mass spectra using isotope pattern reconstruction for the accurate measurement of isotope ratios from molecular clusters. Journal of Mass Spectrometry, 2005, 40, 807-814.	1.6	27
86	Isotope pattern deconvolution for internal mass bias correction in the characterisation of isotopically enriched spikes. Journal of Analytical Atomic Spectrometry, 2008, 23, 318-324.	3.0	27
87	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. Journal of Agricultural and Food Chemistry, 2008, 56, 10774-10778.	5.2	27
88	Enriched stable isotopes and isotope pattern deconvolution for quantitative speciation of endogenous and exogenous selenium in rat urine by HPLC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2009, 24, 460.	3.0	27
89	Multiple linear regression and on-line ion exchange chromatography for alternative Rbâ€“Sr and Ndâ€“Sm MC-ICP-MS isotopic measurements. Journal of Analytical Atomic Spectrometry, 2012, 27, 611.	3.0	27
90	Determination of the enrichment of isotopically labelled molecules by mass spectrometry. Journal of Mass Spectrometry, 2014, 49, 681-691.	1.6	27

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91	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
92	Loss of 5hmC identifies a new type of aberrant DNA hypermethylation in glioma. Human Molecular Genetics, 2018, 27, 3046-3059.	2.9	26
93	Applications of a Glove-Box ICP-MS for the Analysis of Nuclear Materials. Radiochimica Acta, 1993, 62, 71-80.	1.2	25
94	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
95	Simultaneous determination of inorganic anions, calcium and magnesium by suppressed ion chromatography. Journal of Chromatography A, 2004, 1033, 127-133.	3.7	25
96	Monitoring of Organotin Pollution in Bizerta Channel (Northern Tunisia): Temporal Trend from 2002 to 2010. Bulletin of Environmental Contamination and Toxicology, 2011, 86, 531-534.	2.7	25
97	Identification of potential fish stocks and lifetime movement patterns of Mugil liza Valenciennes 1836 in the Southwestern Atlantic Ocean. Fisheries Research, 2017, 193, 164-172.	1.7	25
98	The surfactant-sensitized analytical reaction of niobium with 8-hydroxyquinoline-5-sulphonic acid. Talanta, 1984, 31, 361-366.	5.5	24
99	Isotopically-labelled compounds for validating organometallics speciation analysis. TrAC - Trends in Analytical Chemistry, 2003, 22, 108-114.	11.4	24
100	Determination of some selected polycyclic aromatic hydrocarbons in environmental samples by high-performance liquid chromatography with fluorescence detection. Chromatographia, 1992, 33, 225-230.	1.3	23
101	Biosynthesis of sulfur-34 labelled yeast and its characterisation by multicollector-ICP-MS. Journal of Analytical Atomic Spectrometry, 2007, 22, 1105.	3.0	23
102	Different Quantification Approaches for the Analysis of Biological and Environmental Samples Using Inductively Coupled Plasma Mass Spectrometry. , 1997, 32, 556-564.		22
103	Use of enriched 74Se and 77Se in combination with isotope pattern deconvolution to differentiate and determine endogenous and supplemented selenium in lactating rats. Analytical and Bioanalytical Chemistry, 2007, 389, 707-713.	3.7	22
104	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. Metallomics, 2010, 2, 646.	2.4	22
105	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. Analytical and Bioanalytical Chemistry, 2012, 402, 1879-1888.	3.7	22
106	Determination of trihalomethanes in drinking water by GC-ICP-MS using compound independent calibration with internal standard. Journal of Analytical Atomic Spectrometry, 2007, 22, 1138.	3.0	21
107	Large volume injection in ion chromatography. Journal of Chromatography A, 2007, 1149, 274-281.	3.7	21
108	Determination of the uncertainties in the theoretical mass isotopomer distribution of molecules. Analytica Chimica Acta, 2010, 664, 68-76.	5.4	21

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109	Individual-Specific Transgenerational Marking of Fish Populations Based on a Barium Dual-Isotope Procedure. Analytical Chemistry, 2012, 84, 127-133.	6.5	21
110	Double Spike Isotope Dilution GC-ICP-MS for Evaluation of Mercury Species Transformation in Real Fish Samples Using Ultrasound-Assisted Extraction. Journal of Agricultural and Food Chemistry, 2012, 60, 8333-8339.	5.2	21
111	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
112	Isotope dilution analysis as a definitive tool for the speciation of organotin compounds. Analyst, The, 2003, 128, 447-452.	3.5	20
113	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. Journal of Analytical Atomic Spectrometry, 2008, 23, 579.	3.0	20
114	Detection of transgenerational barium dual-isotope marks in salmon otoliths by means of LA-ICP-MS. Analytical and Bioanalytical Chemistry, 2013, 405, 2901-2909.	3.7	20
115	On-line double isotope dilution laser ablation inductively coupled plasma mass spectrometry for the quantitative analysis of solid materials. Analytica Chimica Acta, 2014, 851, 64-71.	5.4	20
116	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
117	Contamination of the Coastal Waters of GijÃ³n (North West Spain) by Butyltin Compounds. Water, Air, and Soil Pollution, 2006, 174, 127-139.	2.4	19
118	Use of the stable isotope ⁵⁷ Fe to track the efficacy of the foliar application of lignosulfonate/Fe³⁺ complexes to correct Fe deficiencies in cucumber plants. Journal of the Science of Food and Agriculture, 2011, 91, 395-404.	3.5	19
119	LEAD ISOTOPIC ANALYSIS OF COPPER ORES FROM THE SIERRA EL ARAMO (ASTURIAS, SPAIN)*. Archaeometry, 2012, 54, 685-697.	1.3	19
120	Imposex and butyltin burden in Bolinus brandaris (Mollusca, Gastropoda) and sediment from the Tunisian coast. Hydrobiologia, 2013, 714, 13-24.	2.0	19
121	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
122	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
123	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
124	Monitoring the degradation and solubilisation of butyltin compounds during in vitro gastrointestinal digestion using ?triple spike? isotope dilution GC-ICP-MS. Analytical and Bioanalytical Chemistry, 2005, 381, 380-387.	3.7	18
125	A Quantitative Universal Detection System for Organic Compounds in Gas Chromatography with Isotopically Enriched ¹³CO₂. Angewandte Chemie - International Edition, 2009, 48, 2561-2564.	13.8	18
126	Novel HPLC-ICP-MS strategy for the determination of Î²2-Transferrin, the biomarker of cerebrospinal fluid (CSF) leakage. Analyst, The, 2010, 135, 1538.	3.5	18

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127	Isotopic Composition of Lead in Copper Ores and a Copper Artefact from the <scp>L</scp>a <scp>P</scp>rofunda Mine (<scp>L</scp>eÃ³n, <scp>S</scp>pain). Archaeometry, 2014, 56, 651-664.	1.3	18
128	Defining the Lead Isotopic Fingerprint of Copper Ores from North-West Spain: The El Milagro Mine (Asturias). Archaeometry, 2014, 56, 88-101.	1.3	18
129	Quantitative Assessment of Individual Populations Present in Nanoparticleâ€“Antibody Conjugate Mixtures Using AF4-ICP-MS/MS. Analytical Chemistry, 2019, 91, 3567-3574.	6.5	18
130	Determination of Butyltin Compounds in Sediments by Means of Hydride Generation/Cold Trapping Gas Chromatography Coupled to Inductively Coupled Plasma Mass Spectrometric Detection. Journal of Mass Spectrometry, 1997, 32, 542-549.	1.6	17
131	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
132	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. Journal of Analytical Atomic Spectrometry, 2008, 23, 385-396.	3.0	17
133	The use of a suppressor column for calcium removal in the determination of iron in water samples by collision cell ICP-MS. Journal of Analytical Atomic Spectrometry, 2004, 19, 649-651.	3.0	16
134	Internal correction of hafnium oxide spectral interferences and mass bias in the determination of platinum in environmental samples using isotope dilution analysis. Analytical and Bioanalytical Chemistry, 2009, 394, 351-362.	3.7	16
135	Stressâ€induced Curie temperature increase in the Fe₆₄Ni₃₆ invar alloy. Physica Status Solidi - Rapid Research Letters, 2009, 3, 115-117.	2.4	16
136	Synthesis of 81Br-Labeled Polybrominated Diphenyl Ethers and Their Characterization Using GC(EI)MS and GC(ICP)MS. Analytical Chemistry, 2010, 82, 2879-2887.	6.5	16
137	Environmental migratory patterns and stock identification of Mugil cephalus in the Spanish Mediterranean Sea, by means of otolith microchemistry. Estuarine, Coastal and Shelf Science, 2017, 188, 174-180.	2.1	16
138	Hexavalent chromium quantification by isotope dilution mass spectrometry in potentially contaminated soils from south Italy. Chemosphere, 2019, 233, 92-100.	8.2	15
139	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. Science of the Total Environment, 2019, 672, 314-323.	8.0	15
140	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
141	Simultaneous determination of seven Î²2-agonists in human and bovine urine by isotope dilution liquid chromatographyâ€“tandem mass spectrometry using compound-specific minimally 13C-labelled analogues. Journal of Chromatography A, 2014, 1372, 63-71.	3.7	14
142	Analysis of long-lived radionuclides by ICP-MS. Journal of Radioanalytical and Nuclear Chemistry, 1996, 203, 19-29.	1.5	13
143	Gas Chromatography-Combustion-Mass Spectrometry with Postcolumn Isotope Dilution for Compound-Independent Quantification: Its Potential to Assess HS-SPME Procedures. Analytical Chemistry, 2010, 82, 6862-6869.	6.5	13
144	Potential of Nassarius nitidus for monitoring organotin pollution in the lagoon of Bizerta (northern Tunisia). Journal of Environmental Sciences, 2011, 23, 1551-1557.	6.1	13

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