

Pablo Rodríguez González

List of Publications by Year in descending order

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88
papers

2,673
citations

159358

30
h-index

205818

48
g-index

90
all docs

90
docs citations

90
times ranked

2285
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotope dilution analysis for elemental speciation: a tutorial review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 151-207.	1.5	341
2	Species-Specific Stable Isotope Fractionation of Mercury during Hg(II) Methylation by an Anaerobic Bacteria (<i>Desulfobulbus propionicus</i>) under Dark Conditions. <i>Environmental Science & Technology</i> , 2009, 43, 9183-9188.	4.6	164
3	Simultaneous determination of mercury methylation and demethylation capacities of various sulfate-reducing bacteria using species-specific isotopic tracers. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 337-344.	2.2	104
4	Simultaneous Determination of Species-Specific Isotopic Composition of Hg by Gas Chromatography Coupled to Multicollector ICPMS. <i>Analytical Chemistry</i> , 2008, 80, 3530-3538.	3.2	99
5	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.	1.9	81
6	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. <i>Analytical Chemistry</i> , 2002, 74, 270-281.	3.2	77
7	Methylmercury bioconcentration in muscle tissue of the European eel (<i>Anguilla anguilla</i>) from the Adour estuary (Bay of Biscay, France). <i>Marine Pollution Bulletin</i> , 2007, 54, 1031-1036.	2.3	53
8	Recent advances in isotope dilution analysis for elemental speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 239.	1.6	48
9	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.	1.8	48
10	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.	3.2	47
11	Evaluation of Accelerated Solvent Extraction for Butyltin Speciation in PACS-2 CRM Using Double-Spike Isotope Dilution-GC/ICPMS. <i>Analytical Chemistry</i> , 2002, 74, 5237-5242.	3.2	46
12	Determination of butyltin compounds in coastal sea-water samples using isotope dilution GC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 824-830.	1.6	46
13	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.	1.6	46
14	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.	1.6	44
15	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.	1.6	44
16	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). <i>Analytical Chemistry</i> , 2015, 87, 3755-3763.	3.2	43
17	Evaluation of minimal ¹³ C-labelling for stable isotope dilution in organic analysis. <i>Analyst</i> , 2010, 135, 953.	1.7	41
18	Determination of butyltin compounds in environmental samples by isotope-dilution GC-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 432-440.	1.9	40

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19	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.	4.6	40
20	In situ experiments for element species-specific environmental reactivity of tin and mercury compounds using isotopic tracers and multiple linear regression. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1269-1280.	2.7	40
21	Species-Specific Isotope Dilution Analysis and Isotope Pattern Deconvolution for Butyltin Compounds Metabolism Investigations. <i>Analytical Chemistry</i> , 2005, 77, 7724-7734.	3.2	38
22	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.	1.8	38
23	Comparison of different chloroformates for the derivatisation of seleno amino acids for gas chromatographic analysis. <i>Journal of Chromatography A</i> , 2003, 1015, 1-10.	1.8	37
24	Fate of mercury species in the coastal plume of the Adour River estuary (Bay of Biscay, SW France). <i>Science of the Total Environment</i> , 2014, 496, 701-713.	3.9	35
25	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.	1.6	34
26	Determination of alkylated tin compounds in landfill leachates using isotopically enriched tin species with GC-ICP-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 258-266.	1.6	34
27	Evaluation of Hexavalent Chromium Extraction Method EPA Method 3060A for Soils Using XANES Spectroscopy. <i>Environmental Science & Technology</i> , 2011, 45, 10492-10500.	4.6	34
28	Species-specific stable isotope analysis by the hyphenation of chromatographic techniques with MC-ICPMS. <i>Mass Spectrometry Reviews</i> , 2012, 31, 504-521.	2.8	33
29	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.	3.2	33
30	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.	0.7	32
31	Isotope dilution GC-MS routine method for the determination of butyltin compounds in water. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 908-914.	1.9	32
32	Occurrence and distribution of organotin compounds in leachates and biogases from municipal landfills. <i>Water Research</i> , 2008, 42, 987-996.	5.3	32
33	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.	2.3	30
34	Determination of Cystatin C in human serum by isotope dilution mass spectrometry using mass overlapping peptides. <i>Journal of Proteomics</i> , 2015, 112, 141-155.	1.2	30
35	MMHg production and export from intertidal sediments to the water column of a tidal lagoon (Arcachon Bay, France). <i>Biogeochemistry</i> , 2013, 114, 341-358.	1.7	29
36	Determination of tributyltin in marine sediment: Comité Consultatif pour la Quantité de Matière (CCQM) pilot study P-18 international intercomparison. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 780-787.	1.9	28

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37	Determination of the enrichment of isotopically labelled molecules by mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 681-691.	0.7	27
38	Loss of 5hmC identifies a new type of aberrant DNA hypermethylation in glioma. <i>Human Molecular Genetics</i> , 2018, 27, 3046-3059.	1.4	26
39	Simultaneous determination of monomethylmercury, monobutyltin, dibutyltin and tributyltin in environmental samples by multi-elemental-species-specific isotope dilution analysis using electron ionisation GC-MS. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1491-1497.	0.7	25
40	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.	1.3	25
41	Isotopically-labelled compounds for validating organometallics speciation analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 108-114.	5.8	24
42	An experimental approach to investigate mercury species transformations under redox oscillations in coastal sediments. <i>Marine Environmental Research</i> , 2011, 71, 1-9.	1.1	24
43	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.	1.9	22
44	Determination of the uncertainties in the theoretical mass isotopomer distribution of molecules. <i>Analytica Chimica Acta</i> , 2010, 664, 68-76.	2.6	21
45	Evidence of the direct adsorption of mercury in human hair during occupational exposure to mercury vapour. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 36, 16-21.	1.5	21
46	Isotope dilution analysis as a definitive tool for the speciation of organotin compounds. <i>Analyst</i> , The, 2003, 128, 447-452.	1.7	20
47	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.	2.6	20
48	Quantification of Cr(VI) in soil samples from a contaminated area in northern Italy by isotope dilution mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17569-17576.	2.7	20
49	Contamination of the Coastal Waters of Gijón (North West Spain) by Butyltin Compounds. <i>Water, Air, and Soil Pollution</i> , 2006, 174, 127-139.	1.1	19
50	Imposex and butyltin burden in <i>Bolinus brandaris</i> (Mollusca, Gastropoda) and sediment from the Tunisian coast. <i>Hydrobiologia</i> , 2013, 714, 13-24.	1.0	19
51	Determination of ultratrace levels of tributyltin in waters by isotope dilution and gas chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1425, 265-272.	1.8	19
52	Butyltin compounds in sediment and biota from the lagoon of Bizerte (northern Tunisia): Potential risk for consumers?. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016, 22, 337-349.	1.7	19
53	Monitoring the degradation and solubilisation of butyltin compounds during in vitro gastrointestinal digestion using $\delta^{119}\text{Sn}$ triple spike isotope dilution GC-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 380-387.	1.9	18
54	Methylation and dealkylation of tin compounds by sulfate- and nitrate-reducing bacteria. <i>Chemosphere</i> , 2018, 208, 871-879.	4.2	16

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55	Impaired Condensin Complex and Aurora B kinase underlie mitotic and chromosomal defects in hyperdiploid B-cell ALL. <i>Blood</i> , 2020, 136, 313-327.	0.6	16
56	Application of a new focused microwave technology with species-specific isotope dilution analysis for the quantitative extraction of organometallic contaminants in solid environmental matrices. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 923-932.	1.8	15
57	Hexavalent chromium quantification by isotope dilution mass spectrometry in potentially contaminated soils from south Italy. <i>Chemosphere</i> , 2019, 233, 92-100.	4.2	15
58	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.	3.9	15
59	Simultaneous determination of seven β -agonists in human and bovine urine by isotope dilution liquid chromatography-tandem mass spectrometry using compound-specific minimally ^{13}C -labelled analogues. <i>Journal of Chromatography A</i> , 2014, 1372, 63-71.	1.8	14
60	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.	3.2	13
61	Isotope pattern deconvolution-tandem mass spectrometry for the determination and confirmation of diclofenac in wastewaters. <i>Analytica Chimica Acta</i> , 2013, 765, 77-85.	2.6	13
62	The effect of size and epibiotic barnacles on imposex in <i>Stramonita haemastoma</i> collected from the northern coast of Tunisia. <i>Marine Biology Research</i> , 2015, 11, 313-320.	0.3	13
63	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.	1.6	13
64	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.	1.8	10
65	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.	2.6	10
66	A straightforward route to obtain ^{13}C -labeled clenbuterol. <i>Tetrahedron</i> , 2011, 67, 5577-5581.	1.0	9
67	Comparison of different mass spectrometric techniques for the determination of polychlorinated biphenyls by isotope dilution using ^{37}Cl -labelled analogues. <i>Analytical Methods</i> , 2015, 7, 9068-9075.	1.3	9
68	Determination of Polychlorinated Biphenyls in Solid Samples by Isotope Dilution Mass Spectrometry Using ^{37}Cl -Labeled Analogues. <i>Analytical Chemistry</i> , 2015, 87, 7840-7847.	3.2	9
69	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.	0.7	9
70	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.	1.9	9
71	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.	0.5	8
72	Study of the degradation of butyltin compounds in surface water samples under different storage conditions using multiple isotope tracers and GC-MS/MS. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4876-4885.	2.7	7

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73	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. <i>Journal of Analytical Atomic Spectrometry</i> , 0, , .	1.6	7
74	Investigations into the differential reactivity of endogenous and exogenous mercury species in coastal sediments. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1292-1301.	2.7	5
75	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.	2.7	5
76	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.	2.6	5
77	Isotope Dilution Mass Spectrometry \hat{t} , 2018, , .		5
78	Androgen-Dependent Prostate Cancer Cells Reprogram Their Metabolic Signature upon GLUT1 Upregulation by Manganese Superoxide Dismutase. <i>Antioxidants</i> , 2022, 11, 313.	2.2	5
79	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.	1.4	4
80	Comprehensive Isotope Ratio Metabolomics: Gas chromatography Isotope Ratio Mass Spectrometry of urinary metabolites and exhaled breath. <i>Analytica Chimica Acta</i> , 2021, 1170, 338606.	2.6	4
81	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.	1.7	4
82	Response to \hat{e} Comments on the uncertainties in isotope patterns of molecules \hat{e} by J. Meija and Z. Mester (doi:10.1016/j.aca.2010.09.029). <i>Analytica Chimica Acta</i> , 2011, 694, 177-180.	2.6	3
83	Simultaneous determination of $\hat{1}$, $\hat{2}$ - and $\hat{3}$ -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.	1.8	3
84	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.	0.7	3
85	Determination of Cystatin C in human urine by isotope dilution tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112889.	1.4	2
86	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.	1.8	2
87	Bifunctional Labeling of Rabbit Mesenchymal Stem Cells for MR Imaging and Fluorescence Microscopy. <i>Molecular Imaging and Biology</i> , 2020, 22, 303-312.	1.3	1
88	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