# Pablo RodrÃ-guez GonzÃ¡lez

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 | 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. Journal of Chromatography A, 2022, 1663, 462752. | 1.8 | 2 |
| 2 | Androgen-Dependent Prostate Cancer Cells Reprogram Their Metabolic Signature upon GLUT1 Upregulation by Manganese Superoxide Dismutase. Antioxidants, 2022, 11, 313. | 2.2 | 5 |
| 3 | Determination of 3-monoiodotyrosine and 3,5-diiodotyrosine in newborn urine and dried urine spots by isotope dilution tandem mass spectrometry. Analyst, The, 2022, 147, 1329-1340. | 1.7 | 4 |
| 4 | Comprehensive Isotope Ratio Metabolomics: Gas chromatography Isotope Ratio Mass Spectrometry of urinary metabolites and exhaled breath. Analytica Chimica Acta, 2021, 1170, 338606. | 2.6 | 4 |
| 5 | Multiple heart-cutting two dimensional liquid chromatography and isotope dilution tandem mass spectrometry for the absolute quantification of proteins in human serum. Analytica Chimica Acta, 2021, 1184, 339022. | 2.6 | 10 |
| 6 | Bifunctional Labeling of Rabbit Mesenchymal Stem Cells for MR Imaging and Fluorescence Microscopy. Molecular Imaging and Biology, 2020, 22, 303-312. | 1.3 | 1 |
| 7 | Determination of Cystatin C in human urine by isotope dilution tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112889. | 1.4 | 2 |
| 8 | Impaired Condensin Complex and Aurora B kinase underlie mitotic and chromosomal defects in hyperdiploid B-cell ALL. Blood, 2020, 136, 313-327. | 0.6 | 16 |
| 9 | Hexavalent chromium quantification by isotope dilution mass spectrometry in potentially contaminated soils from south Italy. Chemosphere, 2019, 233, 92-100. | 4.2 | 15 |
| 10 | Measurement of compound-specific Hg isotopic composition in narrow transient signals by gas chromatography coupled to multicollector ICP-MS. Journal of Analytical Atomic Spectrometry, 2019, 34, 753-763. | 1.6 | 13 |
| 11 | 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. | 3.9 | 15 |
| 12 | Isotope dilution LC-ESI-MS/MS and low resolution selected reaction monitoring as a tool for the accurate quantification of urinary testosterone. Journal of Pharmaceutical and Biomedical Analysis, 2019, 163, 113-121. | 1.4 | 4 |
| 13 | Isotope Dilution Mass Spectrometry â˜†. , 2018, , . | | 5 |
| 14 | Methylation and dealkykation of tin compounds by sulfate- and nitrate-reducing bacteria. Chemosphere, 2018, 208, 871-879. | 4.2 | 16 |
| 15 | Loss of 5hmC identifies a new type of aberrant DNA hypermethylation in glioma. Human Molecular Genetics, 2018, 27, 3046-3059. | 1.4 | 26 |
| 16 | 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. | 3.2 | 33 |
| 17 | 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. Journal of Chromatography A, 2017, 1508, 73-80. | 1.8 | 10 |
| 18 | Accurate and sensitive determination of molar fractions of 13C-Labeled intracellular metabolites in cell cultures grown in the presence of isotopically-labeled glucose. Analytica Chimica Acta, 2017, 969, 35-48. | 2.6 | 5 |

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| 19 | Melatonin Decreases Glucose Metabolism in Prostate Cancer Cells: A 13C Stable Isotope-Resolved Metabolomic Study. International Journal of Molecular Sciences, 2017, 18, 1620. | 1.8 | 38 |
| 20 | A cost-effective approach to produce 15N-labelled amino acids employing Chlamydomonas reinhardtii CC503. Microbial Cell Factories, 2017, 16, 146. | 1.9 | 9 |
| 21 | Simultaneous determination of Î±-, Î²- and Î³-hexabromocyclododecane diastereoisomers in water samples by isotope dilution mass spectrometry using 81Br-labeled analogs. Journal of Chromatography A, 2016, 1429, 230-237. | 1.8 | 3 |
| 22 | A simplified calculation procedure for mass isotopomer distribution analysis (MIDA) based on multiple linear regression. Journal of Mass Spectrometry, 2016, 51, 980-987. | 0.7 | 9 |
| 23 | Evaluation of the spectral accuracy of mass spectrometers using compounds containing Cl or Br atoms. Journal of Mass Spectrometry, 2016, 51, 1036-1042. | 0.7 | 3 |
| 24 | 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. | 1.7 | 19 |
| 25 | 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. | 1.5 | 21 |
| 26 | 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. | 2.7 | 7 |
| 27 | Comparison of different mass spectrometric techniques for the determination of polychlorinated biphenyls by isotope dilution using<sup>37</sup>Cl-labelled analogues. Analytical Methods, 2015, 7, 9068-9075. | 1.3 | 9 |
| 28 | 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. | 2.7 | 20 |
| 29 | Determination of Polychlorinated Biphenyls in Solid Samples by Isotope Dilution Mass Spectrometry Using <sup>37</sup>Cl-Labeled Analogues. Analytical Chemistry, 2015, 87, 7840-7847. | 3.2 | 9 |
| 30 | 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. | 3.2 | 43 |
| 31 | 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. | 1.8 | 19 |
| 32 | The effect of size and epibiotic barnacles on imposex inStramonita haemastomacollected from the northern coast of Tunisia. Marine Biology Research, 2015, 11, 313-320. | 0.3 | 13 |
| 33 | Determination of Cystatin C in human serum by isotope dilution mass spectrometry using mass overlapping peptides. Journal of Proteomics, 2015, 112, 141-155. | 1.2 | 30 |
| 34 | 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. | 1.8 | 14 |
| 35 | Cd-induced phytochelatin synthesis in Dittrichia viscosa (L.) Greuter is determined by the dilution of the culture medium. Environmental Science and Pollution Research, 2014, 21, 1133-1145. | 2.7 | 5 |
| 36 | Development of an isotope dilution GCâ€“MS procedure for the routine determination of creatinine in complex serum samples. Clinica Chimica Acta, 2014, 431, 96-102. | 0.5 | 8 |

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| 37 | 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. | 2.6 | 20 |
| 38 | Fate of mercury species in the coastal plume of the Adour River estuary (Bay of Biscay, SW France). Science of the Total Environment, 2014, 496, 701-713. | 3.9 | 35 |
| 39 | Determination of the enrichment of isotopically labelled molecules by mass spectrometry. Journal of Mass Spectrometry, 2014, 49, 681-691. | 0.7 | 27 |
| 40 | MMHg production and export from intertidal sediments to the water column of a tidal lagoon (Arcachon Bay, France). Biogeochemistry, 2013, 114, 341-358. | 1.7 | 29 |
| 41 | Imposex and butyltin burden in Bolinus brandaris (Mollusca, Gastropoda) and sediment from the Tunisian coast. Hydrobiologia, 2013, 714, 13-24. | 1.0 | 19 |
| 42 | In situ experiments for element species-specific environmental reactivity of tin and mercury compounds using isotopic tracers and multiple linear regression. Environmental Science and Pollution Research, 2013, 20, 1269-1280. | 2.7 | 40 |
| 43 | Investigations into the differential reactivity of endogenous and exogenous mercury species in coastal sediments. Environmental Science and Pollution Research, 2013, 20, 1292-1301. | 2.7 | 5 |
| 44 | Isotope pattern deconvolution-tandem mass spectrometry for the determination and confirmation of diclofenac in wastewaters. Analytica Chimica Acta, 2013, 765, 77-85. | 2.6 | 13 |
| 45 | 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. | 1.8 | 48 |
| 46 | 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. | 4.6 | 40 |
| 47 | Speciesâ€specific stable isotope analysis by the hyphenation of chromatographic techniques with MCâ€ICPMS. Mass Spectrometry Reviews, 2012, 31, 504-521. | 2.8 | 33 |
| 48 | 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. | 1.9 | 22 |
| 49 | Evaluation of Hexavalent Chromium Extraction Method EPA Method 3060A for Soils Using XANES Spectroscopy. Environmental Science & Technology, 2011, 45, 10492-10500. | 4.6 | 34 |
| 50 | Potential of Nassarius nitidus for monitoring organotin pollution in the lagoon of Bizerta (northern Tunisia). Journal of Environmental Sciences, 2011, 23, 1551-1557. | 3.2 | 13 |
| 51 | An experimental approach to investigate mercury species transformations under redox oscillations in coastal sediments. Marine Environmental Research, 2011, 71, 1-9. | 1.1 | 24 |
| 52 | 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. | 1.3 | 25 |
| 53 | Simultaneous determination of mercury methylation and demethylation capacities of various sulfateâ€reducing bacteria using speciesâ€specific isotopic tracers. Environmental Toxicology and Chemistry, 2011, 30, 337-344. | 2.2 | 104 |
| 54 | Response to â€œComments on the uncertainties in isotope patterns of moleculesâ€•by J. Meija and Z. Mester (doi:10.1016/j.aca.2010.09.029). Analytica Chimica Acta, 2011, 694, 177-180. | 2.6 | 3 |

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|---|---|---|---|
| 55 | A straightforward route to obtain 13C1-labeled clenbuterol. Tetrahedron, 2011, 67, 5577-5581. | 1.0 | 9 |
| 56 | Determination of the uncertainties in the theoretical mass isotopomer distribution of molecules. Analytica Chimica Acta, 2010, 664, 68-76. | 2.6 | 21 |
| 57 | 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. | 3.2 | 47 |
| 58 | Evaluation of minimal 13C-labelling for stable isotope dilution in organic analysis. Analyst, The, 2010, 135, 953. | 1.7 | 41 |
| 59 | Recent advances in isotope dilution analysis for elemental speciation. Journal of Analytical Atomic Spectrometry, 2010, 25, 239. | 1.6 | 48 |
| 60 | Species-Specific Stable Isotope Fractionation of Mercury during Hg(II) Methylation by an Anaerobic Bacteria (Desulfobulbus propionicus) under Dark Conditions. Environmental Science & Technology, 2009, 43, 9183-9188. | 4.6 | 164 |
| 61 | 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. | 1.9 | 81 |
| 62 | Occurrence and distribution of organotin compounds in leachates and biogases from municipal landfills. Water Research, 2008, 42, 987-996. | 5.3 | 32 |
| 63 | Application of a new focused microwave technology with species-specific isotope dilution analysis for the quantitative extraction of organometallic contaminants in solid environmental matrices. International Journal of Environmental Analytical Chemistry, 2008, 88, 923-932. | 1.8 | 15 |
| 64 | Simultaneous Determination of Species-Specific Isotopic Composition of Hg by Gas Chromatography Coupled to Multicollector ICPMS. Analytical Chemistry, 2008, 80, 3530-3538. | 3.2 | 99 |
| 65 | 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. | 1.6 | 44 |
| 66 | Determination of alkylated tin compounds in landfill leachates using isotopically enriched tin species with GC-ICP-MS detection. Journal of Analytical Atomic Spectrometry, 2007, 22, 258-266. | 1.6 | 34 |
| 67 | Isotope dilution analysis mass spectrometry for the routine measurement of butyltin compounds in marine environmental and biological samples. Microchemical Journal, 2007, 85, 115-121. | 2.3 | 30 |
| 68 | Methylmercury bioconcentration in muscle tissue of the European eel (Anguilla anguilla) from the Adour estuary (Bay of Biscay, France). Marine Pollution Bulletin, 2007, 54, 1031-1036. | 2.3 | 53 |
| 69 | The use of different enriched isotope mixtures for the determination of butyltin compounds in environmental samples using isotope dilution GC-ICP-MS. Special Publication - Royal Society of Chemistry, 2007, , 148-159. | 0.0 | 0 |
| 70 | Contamination of the Coastal Waters of GijÃ³n (North West Spain) by Butyltin Compounds. Water, Air, and Soil Pollution, 2006, 174, 127-139. | 1.1 | 19 |
| 71 | Isotope dilution GC-MS routine method for the determination of butyltin compounds in water. Analytical and Bioanalytical Chemistry, 2006, 384, 908-914. | 1.9 | 32 |
| 72 | Simultaneous determination of monomethylmercury, monobutyltin, dibutyltin and tributyltin in environmental samples by multi-elemental-species-specific isotope dilution analysis using electron ionisation GC-MS. Journal of Mass Spectrometry, 2006, 41, 1491-1497. | 0.7 | 25 |

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| 73 | Isotope dilution analysis for elemental speciation: a tutorial review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 151-207. | 1.5 | 341 |
| 74 | 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. | 1.9 | 18 |
| 75 | 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. | 1.6 | 44 |
| 76 | Species-Specific Isotope Dilution Analysis and Isotope Pattern Deconvolution for Butyltin Compounds Metabolism Investigations. Analytical Chemistry, 2005, 77, 7724-7734. | 3.2 | 38 |
| 77 | 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. | 0.7 | 32 |
| 78 | 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. | 1.6 | 46 |
| 79 | 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. | 1.6 | 34 |
| 80 | Determination of tributyltin in marine sediment: Comitï¿½ Consultatif pour la Quantitï¿½ de Matïï¿½re (CCQM) pilot study P-18 international intercomparison. Analytical and Bioanalytical Chemistry, 2003, 376, 780-787. | 1.9 | 28 |
| 81 | Comparison of different chloroformates for the derivatisation of seleno amino acids for gas chromatographic analysis. Journal of Chromatography A, 2003, 1015, 1-10. | 1.8 | 37 |
| 82 | Isotopically-labelled compounds for validating organometallics speciation analysis. TrAC - Trends in Analytical Chemistry, 2003, 22, 108-114. | 5.8 | 24 |
| 83 | Isotope dilution analysis as a definitive tool for the speciation of organotin compounds. Analyst, The, 2003, 128, 447-452. | 1.7 | 20 |
| 84 | 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. | 3.2 | 77 |
| 85 | 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. | 3.2 | 46 |
| 86 | Determination of butyltin compounds in coastal sea-water samples using isotope dilution GC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2002, 17, 824-830. | 1.6 | 46 |
| 87 | Determination of butyltin compounds in environmental samples by isotope-dilution GCâ€“ICPâ€“MS. Analytical and Bioanalytical Chemistry, 2002, 373, 432-440. | 1.9 | 40 |
| 88 | 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, , . | 1.6 | 7 |