

Antoni F Roig-Navarro

List of Publications by Year in descending order

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43
papers

1,180
citations

394421

19
h-index

377865

34
g-index

43
all docs

43
docs citations

43
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Multielemental determination of arsenic, selenium and chromium(VI) species in water by high-performance liquid chromatography–inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 926, 265-274.	3.7	121
2	Simultaneous determination of arsenic species and chromium(VI) by high-performance liquid chromatography–inductively coupled plasma-mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 912, 319-327.	3.7	82
3	Impedance analysis of Prussian Blue films deposited on ITO electrodes. <i>Electrochimica Acta</i> , 1995, 40, 1113-1119.	5.2	76
4	Voltammetric study of the stability of deposited Prussian blue films against successive potential cycling. <i>Electrochimica Acta</i> , 1994, 39, 437-442.	5.2	68
5	Simultaneous determination of arsenic and selenium species in phosphoric acid extracts of sediment samples by HPLC-ICP-MS. <i>Analytica Chimica Acta</i> , 2004, 527, 97-104.	5.4	68
6	Speciation of arsenic compounds in urine by LC-ICP MS. <i>Applied Organometallic Chemistry</i> , 1998, 12, 591-599.	3.5	59
7	Method optimization for the determination of four mercury species by micro-liquid chromatography–inductively coupled plasma mass spectrometry coupling in environmental water samples. <i>Analytica Chimica Acta</i> , 2006, 577, 18-25.	5.4	49
8	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
9	Influence of wastewater vs groundwater on young Citrus trees. <i>Journal of the Science of Food and Agriculture</i> , 2000, 80, 1441-1446.	3.5	44
10	PM10 speciation and determination of air quality target levels. A case study in a highly industrialized area of Spain. <i>Science of the Total Environment</i> , 2007, 372, 382-396.	8.0	43
11	Stability of Prussian Blue films on ITO electrodes: effect of different anions. <i>Journal of Electroanalytical Chemistry</i> , 1993, 360, 55-69.	3.8	42
12	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
13	Comparison of approaches to deal with matrix effects in LC-MS/MS based determinations of mycotoxins in food and feed. <i>World Mycotoxin Journal</i> , 2016, 9, 149-161.	1.4	40
14	Impact of the implementation of PM abatement technology on the ambient air levels of metals in a highly industrialised area. <i>Atmospheric Environment</i> , 2007, 41, 1026-1040.	4.1	38
15	Capabilities of microbore columns coupled to inductively coupled plasma mass spectrometry in speciation of arsenic and selenium. <i>Journal of Chromatography A</i> , 2008, 1202, 132-137.	3.7	38
16	Persistent Organochlorines and Organophosphorus Compounds and Heavy Elements in Common Whale (<i>Balaenoptera physalus</i>) from the Western Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2000, 40, 426-433.	5.0	33
17	Motor behavior and brain enzymatic changes after acute lead intoxication on different strains of mice. <i>Life Sciences</i> , 2004, 74, 2009-2021.	4.3	31
18	Automated sample clean-up and fractionation of chlorpyrifos, chlorpyrifos-methyl and metabolites in mussels using normal-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1997, 778, 151-160.	3.7	29

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19	Characterization of the Salinisation Processes in Aquifers Using Boron Isotopes; Application to South-Eastern Spain. <i>Water, Air, and Soil Pollution</i> , 2007, 187, 65-80.	2.4	28
20	Electrochemical behaviour and electrical percolation in graphite-epoxy electrodes. <i>Journal of Materials Science</i> , 1994, 29, 4604-4610.	3.7	19
21	Fast methodology for the reliable determination of nonylphenol in water samples by minimal labeling isotope dilution mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1301, 19-26.	3.7	19
22	Development and validation of a liquid chromatography isotope dilution mass spectrometry method for the reliable quantification of alkylphenols in environmental water samples by isotope pattern deconvolution. <i>Journal of Chromatography A</i> , 2014, 1328, 43-51.	3.7	18
23	Identification of electroactive sites in Prussian Yellow films. <i>Electrochimica Acta</i> , 2013, 113, 825-833.	5.2	16
24	Secondary interactions, an unexpected problem emerged between hydroxyl containing analytes and fused silica capillaries in anion-exchange micro-liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1172, 179-185.	3.7	14
25	Method development and validation for the determination of selected endocrine disrupting compounds by liquid chromatography mass spectrometry and isotope pattern deconvolution in water samples. Comparison of two extraction techniques. <i>Analytical Methods</i> , 2016, 8, 2895-2903.	2.7	14
26	An assessment of heavy metals and boron contamination in workplace atmospheres from ceramic factories. <i>Science of the Total Environment</i> , 1997, 201, 225-234.	8.0	13
27	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
28	Rapid screening of arsenic species in urine from exposed human by inductively coupled plasma mass spectrometry with germanium as internal standard. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 354-358.	3.0	12
29	Determination of selected endogenous anabolic androgenic steroids and ratios in urine by ultra high performance liquid chromatography tandem mass spectrometry and isotope pattern deconvolution. <i>Journal of Chromatography A</i> , 2017, 1515, 172-178.	3.7	12
30	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
31	Rapid determination of carbaryl and 1-naphthol at ppt levels in environmental water samples by automated on-line SPE-LC-DAD-FD. <i>Chromatographia</i> , 1998, 47, 596-600.	1.3	8
32	Anodic Dissolution of Nickel across Two Consecutive Electron Transfers. <i>Journal of the Electrochemical Society</i> , 2007, 154, C371.	2.9	8
33	Electrochemical characterization of cement/graphite and cement/aluminium materials. <i>Journal of Materials Science Letters</i> , 1994, 13, 609-612.	0.5	5
34	Comparison of isotope pattern deconvolution and calibration curve quantification methods for the determination of estrone and 17 β -estradiol in human serum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 171, 164-170.	2.8	5
35	Surface modification of Ni-epoxy electrode by potassium ferricyanide. <i>Journal of Materials Science Letters</i> , 1994, 13, 602-606.	0.5	4
36	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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37	Interfacial Role of Cesium in Prussian Blue Films. <i>Journal of the Electrochemical Society</i> , 2015, 162, H727-H733.	2.9	3
38	Re-certification of hydroxyvitamin D standards by isotope pattern deconvolution. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1120, 89-94.	2.3	2
39	Apparent activation energies and apparent frequency factor in polarographic waves of paludrine-Zn(II). <i>Electrochimica Acta</i> , 1993, 38, 735-737.	5.2	1
40	Voltammetric Behavior of Berenil. <i>Journal of Pharmaceutical Sciences</i> , 1993, 82, 251-253.	3.3	1
41	Electrochromic Behavior of Prussian Yellow. <i>ECS Transactions</i> , 2013, 50, 435-447.	0.5	1
42	Isotope pattern deconvolution as a successful alternative to calibration curve for application in wastewater-based epidemiology. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3433-3442.	3.7	1
43	Digital video electrochemistry (DVEC) applied to the study of Prussian Blue films. <i>ChemElectroChem</i> , 2022, 9, .	3.4	1