

Elia Alonso-Rodríguez

List of Publications by Year in descending order

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29
papers

896
citations

430874

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docs citations

29
times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	As, Hg, and Se Flue Gas Sampling in a Coal-Fired Power Plant and Their Fate during Coal Combustion. <i>Environmental Science & Technology</i> , 2003, 37, 5262-5267.	10.0	106
2	Influence of marine, terrestrial and anthropogenic sources on ionic and metallic composition of rainwater at a suburban site (northwest coast of Spain). <i>Atmospheric Environment</i> , 2014, 88, 30-38.	4.1	66
3	Coupled high performance liquid chromatography–microwave digestion–hydride generation–atomic absorption spectrometry for inorganic and organic arsenic speciation in fish tissue. <i>Talanta</i> , 2002, 57, 741-750.	5.5	60
4	Assessment of the bioavailability of toxic and non-toxic arsenic species in seafood samples. <i>Food Chemistry</i> , 2012, 130, 552-560.	8.2	60
5	Trace metals in marine foodstuff: Bioavailability estimation and effect of major food constituents. <i>Food Chemistry</i> , 2012, 134, 339-345.	8.2	56
6	Simultaneous pressurized enzymatic hydrolysis extraction and clean up for arsenic speciation in seafood samples before high performance liquid chromatography–inductively coupled plasma-mass spectrometry determination. <i>Analytica Chimica Acta</i> , 2010, 679, 63-73.	5.4	45
7	Influence of several experimental parameters on As and Se leaching from coal fly ash samples. <i>Analytica Chimica Acta</i> , 2005, 531, 299-305.	5.4	44
8	Matrix Solid-Phase Dispersion as a Sample Pretreatment for the Speciation of Arsenic in Seafood Products. <i>Analytical Chemistry</i> , 2008, 80, 9272-9278.	6.5	42
9	In vitro bioavailability of total selenium and selenium species from seafood. <i>Food Chemistry</i> , 2013, 139, 872-877.	8.2	40
10	Development of a new sample pre-treatment procedure based on pressurized liquid extraction for the determination of metals in edible seaweed. <i>Analytica Chimica Acta</i> , 2007, 598, 95-102.	5.4	37
11	Pressurized liquid extraction of organometals and its feasibility for total metal extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 511-519.	11.4	36
12	Determination of major and trace elements in human scalp hair by pressurized-liquid extraction with acetic acid and inductively coupled plasma–optical-emission spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 441-449.	3.7	35
13	Arsenic extraction in marine biological materials using pressurised liquid extraction. <i>Talanta</i> , 2007, 71, 515-520.	5.5	32
14	Matrix solid-phase dispersion of organic compounds and its feasibility for extracting inorganic and organometallic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 110-116.	11.4	28
15	Arsenic species determination in human scalp hair by pressurized hot water extraction and high performance liquid chromatography-inductively coupled plasma-mass spectrometry. <i>Talanta</i> , 2013, 105, 422-428.	5.5	28
16	Selenium species determination in foods harvested in Seleniferous soils by HPLC-ICP-MS after enzymatic hydrolysis assisted by pressurization and microwave energy. <i>Food Research International</i> , 2018, 111, 621-630.	6.2	24
17	Pressurized liquid extraction as a novel sample pre-treatment for trace element leaching from biological material. <i>Analytica Chimica Acta</i> , 2006, 572, 172-179.	5.4	23
18	Determination of arsenic species in environmental samples: use of the alga <i>Chlorella vulgaris</i> for arsenic(III) retention. <i>TrAC - Trends in Analytical Chemistry</i> , 1998, 17, 167-175.	11.4	18

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19	ICP-MS for the determination of selenium bioavailability from seafood and effect of major food constituents. <i>Microchemical Journal</i> , 2013, 108, 174-179.	4.5	18
20	Interaction between metallic species and biological substrates: approximation to possible interaction mechanisms between the alga <i>Chlorella vulgaris</i> and arsenic(III). <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 475-480.	11.4	15
21	Feasibility of Pressurization To Speed Up Enzymatic Hydrolysis of Biological Materials for Multielement Determinations. <i>Analytical Chemistry</i> , 2007, 79, 1797-1805.	6.5	13
22	Multi-element determinations in foods from Amazon region by ICP-MS after enzymatic hydrolysis assisted by pressurisation and microwave energy. <i>Microchemical Journal</i> , 2018, 137, 402-409.	4.5	13
23	As, Cd, Cr, Ni and Pb pressurized liquid extraction with acetic acid from marine sediment and soil samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1304-1309.	2.9	12
24	Use of pressurized hot water extraction and high performance liquid chromatography- ^{inductively coupled plasma} -mass spectrometry for water soluble halides speciation in atmospheric particulate matter. <i>Talanta</i> , 2012, 101, 283-291.	5.5	11
25	The Influence of Oceanic Air Masses on Concentration of Major Ions and Trace Metals in PM _{2.5} Fraction at a Coastal European Suburban Site. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	11
26	Use of chelating solvent-based pressurized liquid extraction combined with inductively coupled plasma-optical emission spectrometry for trace element determination in atmospheric particulate matter. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1089.	3.0	8
27	Pressurized liquid extraction-assisted mussel cytosol preparation for the determination of metals bound to metallothionein-like proteins. <i>Analytica Chimica Acta</i> , 2007, 603, 36-43.	5.4	8
28	Major, minor and trace elements composition of Amazonian foodstuffs and its contribution to dietary intake. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 1314-1324.	3.2	5
29	Inorganic ions and trace metals bulk deposition at an Atlantic Coastal European region. <i>Journal of Atmospheric Chemistry</i> , 2017, 74, 1-21.	3.2	2