

RaÃ³l Gil

List of Publications by Year in descending order

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53
papers

1,364
citations

304743

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361022

35
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54
all docs

54
docs citations

54
times ranked

1453
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Topography on Maize Grains Elemental Profile: A Chemometric Approach. <i>Current Analytical Chemistry</i> , 2020, 16, 1079-1087.	1.2	3
2	Endometriosis progression in tumor necrosis factor receptor p55-deficient mice: Impact on oxidative/nitrosative stress and metallomic profile. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 52, 157-165.	3.0	8
3	Las Cañas plutonic complex: Geodynamic implications during the Famatinian magmatism in northeast of Sierra de San Luis, Argentina. <i>Journal of South American Earth Sciences</i> , 2019, 93, 313-347.	1.4	9
4	Online solid phase extraction-HPLC-ICP-MS system for mercury and methylmercury preconcentration using functionalised carbon nanotubes for their determination in dietary supplements. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1737-1744.	3.0	27
5	Novel method for metalloproteins determination in human breast milk by size exclusion chromatography coupled to inductively coupled plasma mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 209-213.	2.8	12
6	Ultrasound-assisted pretreatment for multielement determination in maize seed samples by microwave plasma atomic emission spectrometry (MPAES). <i>Microchemical Journal</i> , 2016, 129, 78-82.	4.5	18
7	ICPMS analysis of proteins separated by Native-PAGE: Evaluation of metalloprotein profiles in human synovial fluid with acute and chronic arthritis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 36, 44-51.	3.0	6
8	Liquid chromatography coupled to molecular fluorescence with postcolumn UV sensitization for thimerosal and derivative compounds monitoring in environmental samples. <i>Electrophoresis</i> , 2016, 37, 2531-2537.	2.4	7
9	Determination of seleno-amino acids bound to proteins in extra virgin olive oils. <i>Food Chemistry</i> , 2016, 197, 400-405.	8.2	14
10	Single-step solubilization of milk samples with N,N-dimethylformamide for inductively coupled plasma-mass spectrometry analysis and classification based on their elemental composition. <i>Talanta</i> , 2015, 143, 64-70.	5.5	8
11	Vapor generation "atomic spectrometric techniques. Expanding frontiers through specific-species preconcentration. A review. <i>Analytica Chimica Acta</i> , 2015, 875, 7-21.	5.4	21
12	Determination of thimerosal in pharmaceutical industry effluents and river waters by HPLC coupled to atomic fluorescence spectrometry through post-column UV-assisted vapor generation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 79-84.	2.8	14
13	Multielemental analysis in vegetable edible oils by inductively coupled plasma mass spectrometry after solubilisation with tetramethylammonium hydroxide. <i>Food Chemistry</i> , 2014, 159, 433-438.	8.2	39
14	Multivariate optimization of a solid phase extraction system employing l-tyrosine immobilized on carbon nanotubes applied to molybdenum analysis by inductively coupled plasma optical emission spectrometry with ultrasound nebulization. <i>Microchemical Journal</i> , 2014, 117, 40-45.	4.5	8
15	Single-step procedure for trace element determination in synovial fluid by dynamic reaction cell-inductively coupled plasma mass spectrometry. <i>Microchemical Journal</i> , 2014, 112, 17-24.	4.5	11
16	Handling spectral interferences and matrix effects in DR-ICPMS to assess the elemental profile in human serum samples after dissolution with formic acid. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1655.	3.0	9
17	On-line enantioseparation of chlorpheniramine using β -cyclodextrin and carbon nanotubes after multivariate optimization. <i>Talanta</i> , 2013, 105, 167-172.	5.5	12
18	Ultratrace arsenic determination through hydride trapping on oxidized multiwall carbon nanotubes coupled to electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 916.	3.0	14

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19	Determination of chemical oxygen demand employed manganese as an environmentally friendly oxidizing reagent by a flow injection method based on microwave digestion and speciation coupled to ICP-OES. <i>Microchemical Journal</i> , 2013, 106, 351-356.	4.5	13
20	Preconcentration, speciation, and determination of key elements in biological samples in Latin America. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7563-7571.	3.7	3
21	On-line solid phase extraction of Cd from protein fractions of serum using oxidized carbon nanotubes coupled to electrothermal atomization atomic absorption spectrometry. <i>Microchemical Journal</i> , 2013, 110, 94-98.	4.5	11
22	Nectar and Flower Traits of Different Onion Male Sterile Lines Related to Pollination Efficiency and Seed Yield of F1 Hybrids. <i>Journal of Economic Entomology</i> , 2013, 106, 1386-1394.	1.8	21
23	Determination of chemical oxygen demand by a flow injection method based on microwave digestion and chromium speciation coupled to inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2012, 97, 273-278.	5.5	22
24	The use of electrothermal vaporizer coupled to the inductively coupled plasma mass spectrometry for the determination of arsenic, selenium and transition metals in biological samples treated with formic acid. <i>Analytica Chimica Acta</i> , 2012, 717, 21-27.	5.4	22
25	Method development for Cd and Hg determination in biodiesel by electrothermal atomic absorption spectrometry with emulsion sample introduction. <i>Talanta</i> , 2012, 101, 353-356.	5.5	11
26	Multivariate factorial analysis to design a robust batch leaching test to assess the volcanic ash geochemical hazard. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 273-284.	12.4	15
27	On-line solid phase extraction of Ni and Pb using carbon nanotubes and modified carbon nanotubes coupled to ETAAS. <i>Talanta</i> , 2011, 85, 245-251.	5.5	55
28	Biosorption: A new rise for elemental solid phase extraction methods. <i>Talanta</i> , 2011, 85, 2290-2300.	5.5	60
29	Experimental investigation on arsenic removal with a nanofiltration pilot plant from naturally contaminated groundwater. <i>Desalination</i> , 2011, 274, 1-6.	8.2	65
30	Study of carbon nanotubes and functionalized-carbon nanotubes as substrates for flow injection solid phase extraction associated to inductively coupled plasma with ultrasonic nebulization. <i>Microchemical Journal</i> , 2011, 98, 225-230.	4.5	35
31	Determination of trace elements in biological samples treated with formic acid by inductively coupled plasma mass spectrometry using a microconcentric nebulizer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 959-966.	2.9	23
32	Flow injection system for the on-line preconcentration of Pb by cloud point extraction coupled to USN-ICP OES. <i>Microchemical Journal</i> , 2010, 95, 306-310.	4.5	31
33	Determination of Pb in airborne particulate matter with a heavy matrix of silicon by SR-ETAAS. <i>Microchemical Journal</i> , 2010, 96, 243-246.	4.5	5
34	Optimization of methods to assess levels of As, Bi, Sb and Se in airborne particulate matter by FI-HG-ICP OES. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1343.	3.0	14
35	Study of matrix effects and spectral interferences in the determination of lead in sediments, sludges and soils by SR-ETAAS using slurry sampling. <i>Talanta</i> , 2010, 82, 523-527.	5.5	26
36	On-line solid phase extraction CZE for the simultaneous determination of lanthanum and gadolinium at picogram per liter levels. <i>Electrophoresis</i> , 2009, 30, 2681-2687.	2.4	14

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37	Speciation analysis of thallium using electrothermal AAS following on-line pre-concentration in a microcolumn filled with multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2009, 167, 187-193.	5.0	39
38	Slurry sampling in serum blood for mercury determination by CV-AFS. <i>Journal of Hazardous Materials</i> , 2009, 161, 1399-1403.	12.4	36
39	l-Tyrosine immobilized on multiwalled carbon nanotubes: A new substrate for thallium separation and speciation using stabilized temperature platform furnace-electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2009, 656, 36-41.	5.4	45
40	Diuretic activity of aqueous extract and betulin from <i>Colliguaja integerrima</i> in rats. <i>Pharmaceutical Biology</i> , 2009, 47, 274-278.	2.9	6
41	Total and inorganic mercury determination in biodiesel by emulsion sample introduction and FI-CV-AFS after multivariate optimization. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1441.	3.0	53
42	Trace aluminium determination in biological samples after microwave digestion followed by solid phase extraction with l-methionine on controlled pore glass. <i>Microchemical Journal</i> , 2008, 89, 1-6.	4.5	29
43	Cloud point extraction of mercury with PONPE 7.5 prior to its determination in biological samples by ETAAS. <i>Talanta</i> , 2008, 75, 307-311.	5.5	52
44	Cloud point extraction for cobalt preconcentration with on-line phase separation in a knotted reactor followed by ETAAS determination in drinking waters. <i>Talanta</i> , 2008, 76, 669-673.	5.5	49
45	Cloud point extraction for ultra-trace Cd determination in microwave-digested biological samples by ETAAS. <i>Talanta</i> , 2008, 77, 663-666.	5.5	31
46	Selective determination of inorganic selenium species in parenteral solutions using l-methionine as retaining agent in ETAAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 397-401.	3.0	11
47	Application of multi-walled carbon nanotubes as substrate for the on-line preconcentration, speciation and determination of vanadium by ETAAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1290.	3.0	57
48	On-line preconcentration and speciation analysis of Se(IV) and Se(VI) using l-methionine immobilised on controlled pore glass. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 305-309.	3.0	20
49	A fully automated system for inorganic antimony preconcentration and speciation in urine. <i>Analytica Chimica Acta</i> , 2007, 603, 1-7.	5.4	26
50	A novel on-line preconcentration method for trace molybdenum determination by USNâ€“ICP OES with biosorption on immobilized yeasts. <i>Microchemical Journal</i> , 2007, 86, 156-160.	4.5	26
51	On-line arsenic co-precipitation on ethyl vinyl acetate turning-packed mini-column followed by hydride generation-ICP OES determination. <i>Journal of Hazardous Materials</i> , 2007, 143, 431-436.	12.4	55
52	Preconcentration and speciation of chromium in drinking water samples by coupling of on-line sorption on activated carbon to ETAAS determination. <i>Talanta</i> , 2006, 68, 1065-1070.	5.5	109
53	On-line preconcentration and determination of chromium in parenteral solutions by inductively coupled plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 531-535.	2.9	34