

M Luisa Cervera

List of Publications by Year in descending order

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64
papers

2,073
citations

186265
28
h-index

254184
43
g-index

66
all docs

66
docs citations

66
times ranked

2165
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone-based colorimetric study of adulterated tuna samples. Food Chemistry, 2022, 389, 133063.	8.2	7
2	Removal of Fe(III) from synthetic wastewater into raw and modified clay: Experiments and models fitting. Separation Science and Technology, 2021, 56, 708-718.	2.5	11
3	Multi-element modeling of heavy metals competitive removal from aqueous solution by raw and activated clay from the Aleg formation (Southern Tunisia). International Journal of Environmental Science and Technology, 2020, 17, 2123-2140.	3.5	10
4	Ultrasonic nebulization inductively coupled plasma optical emission spectrometry method for wine analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 170, 105924.	2.9	8
5	Green methodology for quality control of elemental content of infant milk powder. LWT - Food Science and Technology, 2019, 111, 484-489.	5.2	10
6	Mineral profiles of legumes and fruits through partial least squares energy dispersive X-ray fluorescence. Journal of Food Composition and Analysis, 2019, 82, 103240.	3.9	4
7	Direct determination by portable ED-XRF of mineral profile in cocoa powder samples. Food Chemistry, 2019, 278, 373-379.	8.2	25
8	Partial least squares modelization of energy dispersive X-ray fluorescence. Talanta, 2019, 194, 158-163.	5.5	4
9	Removal of Hexavalent Chromium from Aqueous Solutions Using Biopolymers. Journal of Environmental Engineering, ASCE, 2018, 144, .	1.4	11
10	Prediction of organic carbon and total nitrogen contents in organic wastes and their composts by Infrared spectroscopy and partial least square regression. Talanta, 2017, 167, 352-358.	5.5	27
11	Evaluation of the Content of Antimony, Arsenic, Bismuth, Selenium, Tellurium and Their Inorganic Forms in Commercially Baby Foods. Biological Trace Element Research, 2017, 180, 355-365.	3.5	20
12	Fast extraction methodologies for the determination of toxic arsenic in meat. International Journal of Food Science and Technology, 2017, 52, 2531-2537.	2.7	3
13	Mineral analysis of human diets by spectrometry methods. TrAC - Trends in Analytical Chemistry, 2016, 82, 457-467.	11.4	22
14	Non-chromatographic speciation of mercury in mushrooms. Analytical Methods, 2016, 8, 1774-1779.	2.7	10
15	Mineral soil composition interfacing archaeology and chemistry. TrAC - Trends in Analytical Chemistry, 2016, 78, 48-59.	11.4	18
16	Determination of total phenolic compounds in compost by infrared spectroscopy. Talanta, 2016, 153, 360-365.	5.5	38
17	Modeling of equilibrium isotherms and kinetic studies of Cr (VI) adsorption into natural and acid-activated clays. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	17
18	Green direct determination of mineral elements in artichokes by infrared spectroscopy and X-ray fluorescence. Food Chemistry, 2016, 196, 1023-1030.	8.2	28

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19	Kinetic, isotherm and thermodynamic studies of the adsorption of methylene blue dye onto agro-based cellulosic materials. <i>Desalination and Water Treatment</i> , 2016, 57, 16611-16625.	1.0	39
20	Authentication of protected designation of origin artichokes by spectroscopy methods. <i>Food Control</i> , 2016, 59, 74-81.	5.5	18
21	A comparative study on sample preparation procedures for supplementary foods by ICP-OES: Green chemistry considerations. <i>Analytical Methods</i> , 2015, 7, 3637-3644.	2.7	6
22	The importance of incorporating a waste detoxification step in analytical methodologies. <i>Analytical Methods</i> , 2015, 7, 5702-5706.	2.7	18
23	Mineral profile of Spanish commercial baby food. <i>Food Chemistry</i> , 2015, 172, 238-244.	8.2	35
24	Mineral profile of kaki fruits (<i>Diospyros kaki</i> L.). <i>Food Chemistry</i> , 2015, 172, 291-297.	8.2	30
25	Direct determination of minerals in human diets by infrared spectroscopy and X-ray fluorescence. <i>Microchemical Journal</i> , 2014, 117, 156-163.	4.5	12
26	Determination of total mercury in nuts at ultratrace level. <i>Analytica Chimica Acta</i> , 2014, 838, 13-19.	5.4	16
27	Speciation of methylmercury in market seafood by thermal degradation, amalgamation and atomic absorption spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 90-96.	6.0	20
28	Fast determination of fish mineral profile. Application to Vietnamese pangasid fish. <i>Ecotoxicology and Environmental Safety</i> , 2013, 95, 195-201.	6.0	9
29	Management of tannery wastewaters: treatment of spent chrome tanning bath and vegetable tanning effluents. <i>Desalination and Water Treatment</i> , 2013, 51, 4467-4477.	1.0	3
30	Authentication of Alicante's Mountain cherries protected designation of origin by their mineral profile. <i>Food Chemistry</i> , 2013, 141, 2191-2197.	8.2	15
31	A preliminary approach to mineral intake in the Spanish diet established from analysis of the composition of university canteen menus. <i>Journal of Food Composition and Analysis</i> , 2012, 27, 160-168.	3.9	25
32	Recent advances in on-line solid-phase pre-concentration for inductively-coupled plasma techniques for determination of mineral elements. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 33, 35-45.	11.4	28
33	Screening of Toxic Inorganic Arsenic Species in Garlic (<i>Allium sativum</i> L.). <i>Food Analytical Methods</i> , 2011, 4, 447-452.	2.6	17
34	Simultaneous determination of hydride and non-hydride forming elements by inductively coupled plasma optical emission spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 1782-1787.	0.6	10
35	Non-chromatographic speciation. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 260-268.	11.4	49
36	Determination of mercury in rice by cold vapor atomic fluorescence spectrometry after microwave-assisted digestion. <i>Analytica Chimica Acta</i> , 2010, 667, 43-48.	5.4	76

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37	Authentication of the protected designation of origin horchata de Valencia through the chemometric treatment of mineral content. <i>Analytical Methods</i> , 2010, 2, 1723.	2.7	15
38	An Overview of Green Analytical Techniques in the Spectrometric Analysis of Environmental and Biological Samples. <i>Spectroscopy Letters</i> , 2009, 42, 284-295.	1.0	10
39	Determination of total Sb, Se, Te, and Bi and evaluation of their inorganic species in garlic by hydride-generation atomic-fluorescence spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1557-1562.	3.7	34
40	Development of a non-chromatographic method for the speciation analysis of inorganic antimony in mushroom samples by hydride generation atomic fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 597-600.	2.9	20
41	A review of non-chromatographic methods for speciation analysis. <i>Analytica Chimica Acta</i> , 2009, 636, 129-157.	5.4	116
42	Chemometric determination of arsenic and lead in untreated powdered red paprika by diffuse reflectance near-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2008, 613, 196-206.	5.4	54
43	Elemental composition of seasoning products. <i>Talanta</i> , 2008, 74, 1085-1095.	5.5	32
44	Non-chromatographic speciation of toxic arsenic in vegetables by hydride generation-atomic fluorescence spectrometry after ultrasound-assisted extraction. <i>Talanta</i> , 2008, 75, 811-816.	5.5	43
45	A review on molybdenum determination in solid geological samples. <i>Talanta</i> , 2007, 71, 987-1000.	5.5	59
46	Determination of thallium in water samples. <i>Microchemical Journal</i> , 2007, 86, 2-8.	4.5	56
47	Determination of arsenite, arsenate, monomethylarsonic acid and dimethylarsinic acid in cereals by hydride generation atomic fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1078-1082.	2.9	43
48	Analytical techniques for the determination of bismuth in solid environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 599-608.	11.4	49
49	Determination of thallium in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 665-670.	3.7	43
50	Room temperature acid sonication ICP-MS multielemental analysis of milk. <i>Analytica Chimica Acta</i> , 2005, 531, 111-123.	5.4	50
51	Multicommutation as an environmentally friendly analytical tool in the hydride generation atomic fluorescence determination of tellurium in milk. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 83-89.	3.7	17
52	Cold vapour atomic fluorescence determination of mercury in milk by slurry sampling using multicommutation. <i>Analytica Chimica Acta</i> , 2004, 506, 145-153.	5.4	76
53	Speciation of selenium and tellurium in milk by hydride generation atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 696.	3.0	30
54	Determination of As, Sb, Se, Te and Bi in milk by slurry sampling hydride generation atomic fluorescence spectrometry. <i>Talanta</i> , 2004, 62, 173-182.	5.5	50

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55	On-line speciation of mercury in fish by cold vapour atomic fluorescence through ultrasound-assisted extraction. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1386-1390.	3.0	36
56	Removal of heavy metals by using adsorption on alumina or chitosan. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 820-825.	3.7	78
57	Non-chromatographic speciation analysis of arsenic and antimony in milk hydride generation atomic fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 2003, 493, 195-203.	5.4	48
58	Determination of arsenic and antimony in milk by hydride generation atomic fluorescence spectrometry. <i>Talanta</i> , 2003, 60, 787-799.	5.5	80
59	Altered Elemental Profile as Indicator of Homeostatic Imbalance in Pathogenesis of Oral Submucous Fibrosis. <i>Biological Trace Element Research</i> , 2002, 87, 045-056.	3.5	15
60	ICP-MS multielement determination in fly ash after microwave-assisted digestion of samples. <i>Talanta</i> , 2001, 54, 975-981.	5.5	34
61	Literature survey of on-line elemental speciation in aqueous solutions. <i>Talanta</i> , 2001, 55, 1-28.	5.5	93
62	Metal speciation in biological fluids – a review. <i>Mikrochimica Acta</i> , 1996, 122, 209-246.	5.0	53
63	Metal speciation in solid matrices. <i>Talanta</i> , 1995, 42, 1007-1030.	5.5	137
64	Phosphate determination in environmental, biological and industrial samples using a smartphone as a capture device. <i>New Journal of Chemistry</i> , 0, , .	2.8	3