M Luisa Cervera

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5836885/publications.pdf

Version: 2024-02-01

64	2,073	186265	254184
papers	citations	28 h-index	43 g-index

66	66	66	2165
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal speciation in solid matrices. Talanta, 1995, 42, 1007-1030.	5.5	137
2	A review of non-chromatographic methods for speciation analysis. Analytica Chimica Acta, 2009, 636, 129-157.	5.4	116
3	Literature survey of on-line elemental speciation in aqueous solutions. Talanta, 2001, 55, 1-28.	5.5	93
4	Determination of arsenic and antimony in milk by hydride generation atomic fluorescence spectrometry. Talanta, 2003, 60, 787-799.	5.5	80
5	Removal of heavy metals by using adsorption on alumina or chitosan. Analytical and Bioanalytical Chemistry, 2003, 375, 820-825.	3.7	78
6	Cold vapour atomic fluorescence determination of mercury in milk by slurry sampling using multicommutation. Analytica Chimica Acta, 2004, 506, 145-153.	5.4	76
7	Determination of mercury in rice by cold vapor atomic fluorescence spectrometry after microwave-assisted digestion. Analytica Chimica Acta, 2010, 667, 43-48.	5.4	76
8	A review on molybdenum determination in solid geological samples. Talanta, 2007, 71, 987-1000.	5.5	59
9	Determination of thallium in water samples. Microchemical Journal, 2007, 86, 2-8.	4.5	56
10	Chemometric determination of arsenic and lead in untreated powdered red paprika by diffuse reflectance near-infrared spectroscopy. Analytica Chimica Acta, 2008, 613, 196-206.	5.4	54
11	Metal speciation in biological fluids â€" a review. Mikrochimica Acta, 1996, 122, 209-246.	5.0	53
12	Determination of As, Sb, Se, Te and Bi in milk by slurry sampling hydride generation atomic fluorescence spectrometry. Talanta, 2004, 62, 173-182.	5.5	50
13	Room temperature acid sonication ICP-MS multielemental analysis of milk. Analytica Chimica Acta, 2005, 531, 111-123.	5.4	50
14	Analytical techniques for the determination of bismuth in solid environmental samples. TrAC - Trends in Analytical Chemistry, 2006, 25, 599-608.	11.4	49
15	Non-chromatographic speciation. TrAC - Trends in Analytical Chemistry, 2010, 29, 260-268.	11.4	49
16	Non-chromatographic speciation analysis of arsenic and antimony in milk hydride generation atomic fluorescence spectrometry. Analytica Chimica Acta, 2003, 493, 195-203.	5.4	48
17	Determination of thallium in biological samples. Analytical and Bioanalytical Chemistry, 2006, 385, 665-670.	3.7	43
18	Determination of arsenite, arsenate, monomethylarsonic acid and dimethylarsinic acid in cereals by hydride generation atomic fluorescence spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1078-1082.	2.9	43

#	Article	IF	Citations
19	Non-chromatographic speciation of toxic arsenic in vegetables by hydride generation-atomic fluorescence spectrometry after ultrasound-assisted extraction. Talanta, 2008, 75, 811-816.	5.5	43
20	Kinetic, isotherm and thermodynamic studies of the adsorption of methylene blue dye onto agro-based cellulosic materials. Desalination and Water Treatment, 2016, 57, 16611-16625.	1.0	39
21	Determination of total phenolic compounds in compost by infrared spectroscopy. Talanta, 2016, 153, 360-365.	5.5	38
22	On-line speciation of mercury in fish by cold vapour atomic fluorescence through ultrasound-assisted extraction. Journal of Analytical Atomic Spectrometry, 2004, 19, 1386-1390.	3.0	36
23	Mineral profile of Spanish commercial baby food. Food Chemistry, 2015, 172, 238-244.	8.2	35
24	ICP-MS multielement determination in fly ash after microwave-assisted digestion of samples. Talanta, 2001, 54, 975-981.	5.5	34
25	Determination of total Sb, Se, Te, and Bi and evaluation of their inorganic species in garlic by hydride-generationâ€“atomic-fluorescence spectrometry. Analytical and Bioanalytical Chemistry, 2009, 394, 1557-1562.	3.7	34
26	Elemental composition of seasoning products. Talanta, 2008, 74, 1085-1095.	5.5	32
27	Speciation of selenium and tellurium in milk by hydride generation atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 696.	3.0	30
28	Mineral profile of kaki fruits (Diospyros kaki L.). Food Chemistry, 2015, 172, 291-297.	8.2	30
29	Recent advances in on-line solid-phase pre-concentration for inductively-coupled plasma techniques for determination of mineral elements. TrAC - Trends in Analytical Chemistry, 2012, 33, 35-45.	11.4	28
30	Green direct determination of mineral elements in artichokes by infrared spectroscopy and X-ray fluorescence. Food Chemistry, 2016, 196, 1023-1030.	8.2	28
31	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
32	A preliminary approach to mineral intake in the Spanish diet established from analysis of the composition of university canteen menus. Journal of Food Composition and Analysis, 2012, 27, 160-168.	3.9	25
33	Direct determination by portable ED-XRF of mineral profile in cocoa powder samples. Food Chemistry, 2019, 278, 373-379.	8.2	25
34	Mineral analysis of human diets by spectrometry methods. TrAC - Trends in Analytical Chemistry, 2016, 82, 457-467.	11.4	22
35	Development of a non-chromatographic method for the speciation analysis of inorganic antimony in mushroom samples by hydride generation atomic fluorescence spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 597-600.	2.9	20
36	Speciation of methylmercury in market seafood by thermal degradation, amalgamation and atomic absorption spectroscopy. Ecotoxicology and Environmental Safety, 2014, 107, 90-96.	6.0	20

#	Article	IF	Citations
37	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
38	The importance of incorporating a waste detoxification step in analytical methodologies. Analytical Methods, 2015, 7, 5702-5706.	2.7	18
39	Mineral soil composition interfacing archaeology and chemistry. TrAC - Trends in Analytical Chemistry, 2016, 78, 48-59.	11.4	18
40	Authentication of protected designation of origin artichokes by spectroscopy methods. Food Control, 2016, 59, 74-81.	5.5	18
41	Multicommutation as an environmentally friendly analytical tool in the hydride generation atomic fluorescence determination of tellurium in milk. Analytical and Bioanalytical Chemistry, 2004, 379, 83-89.	3.7	17
42	Screening of Toxic Inorganic Arsenic Species in Garlic (Allium sativum L.). Food Analytical Methods, 2011, 4, 447-452.	2.6	17
43	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
44	Determination of total mercury in nuts at ultratrace level. Analytica Chimica Acta, 2014, 838, 13-19.	5.4	16
45	Altered Elemental Profile as Indicator of Homeostatic Imbalance in Pathogenesis of Oral Submucous Fibrosis. Biological Trace Element Research, 2002, 87, 045-056.	3.5	15
46	Authentication of the protected designation of origin horchata de Valencia through the chemometric treatment of mineral content. Analytical Methods, 2010, 2, 1723.	2.7	15
47	Authentication of Alicanteâ€™s Mountain cherries protected designation of origin by their mineral profile. Food Chemistry, 2013, 141, 2191-2197.	8.2	15
48	Direct determination of minerals in human diets by infrared spectroscopy and X-ray fluorescence. Microchemical Journal, 2014, 117, 156-163.	4.5	12
49	Removal of Hexavalent Chromium from Aqueous Solutions Using Biopolymers. Journal of Environmental Engineering, ASCE, 2018, 144, .	1.4	11
50	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
51	An Overview of Green Analytical Techniques in the Spectrometric Analysis of Environmental and Biological Samples. Spectroscopy Letters, 2009, 42, 284-295.	1.0	10
52	Non-chromatographic speciation of mercury in mushrooms. Analytical Methods, 2016, 8, 1774-1779.	2.7	10
53	Green methodology for quality control of elemental content of infant milk powder. LWT - Food Science and Technology, 2019, 111, 484-489.	5.2	10
54	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

#	Article	IF	Citations
55	Simultaneous determination of hydride and non-hydride forming elements by inductively coupled plasma optical emission spectrometry. Journal of the Brazilian Chemical Society, 2011, 22, 1782-1787.	0.6	10
56	Fast determination of fish mineral profile. Application to Vietnamese panga fish. Ecotoxicology and Environmental Safety, 2013, 95, 195-201.	6.0	9
57	Ultrasonic nebulization inductively coupled plasma optical emission spectrometry method for wine analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 170, 105924.	2.9	8
58	Smartphone-based colorimetric study of adulterated tuna samples. Food Chemistry, 2022, 389, 133063.	8.2	7
59	A comparative study on sample preparation procedures for supplementary foods by ICP-OES: Green chemistry considerations. Analytical Methods, 2015, 7, 3637-3644.	2.7	6
60	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
61	Partial least squares modelization of energy dispersive X-ray fluorescence. Talanta, 2019, 194, 158-163.	5.5	4
62	Management of tannery wastewaters: treatment of spent chrome tanning bath and vegetable tanning effluents. Desalination and Water Treatment, 2013, 51, 4467-4477.	1.0	3
63	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
64	Phosphate determination in environmental, biological and industrial samples using a smartphone as a capture device. New Journal of Chemistry, 0, , .	2.8	3