Ignacio Lopez-Garcia

List of Publications by Year
in descending order

152	3,985	109137	189595
papers	citations	35 h-index	50 g-index

153	153	153	3120
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dispersive liquidâ€“liquid microextraction in food analysis. A critical review. Analytical and Bioanalytical Chemistry, 2014, 406, 2067-2099.	1.9	179
2	Speciation of very low amounts of arsenic and antimony in waters using dispersive liquidâ€“liquid microextraction and electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 329-333.	1.5	137
3	An overview of microplastics characterization by thermal analysis. Chemosphere, 2020, 242, 125170.	4.2	109
4	Headspace solid-phase microextraction for the determination of volatile organic sulphur and selenium compounds in beers, wines and spirits using gas chromatography and atomic emission detection. Journal of Chromatography A, 2009, 1216, 6735-6740.	1.8	76
5	Untargeted headspace gas chromatography â€“ Ion mobility spectrometry analysis for detection of adulterated honey. Talanta, 2019, 205, 120123.	2.9	75
6	Determination of cadmium and lead in edible oils by electrothermal atomic absorption spectrometry after reverse dispersive liquidâ€“liquid microextraction. Talanta, 2014, 124, 106-110.	2.9	74
7	Dispersive liquidâ€“liquid microextraction for the determination of vitamins D and K in foods by liquid chromatography with diode-array and atmospheric pressure chemical ionization-mass spectrometry detection. Talanta, 2013, 115, 806-813.	2.9	63
8	Pressurized liquid extraction and dispersive liquidâ€“liquid microextraction for determination of tocopherols and tocotrienols in plant foods by liquid chromatography with fluorescence and atmospheric pressure chemical ionization-mass spectrometry detection. Talanta, 2014, 119, 98-104.	2.9	62
9	Determination of traces of lead and cadmium using dispersive liquid-liquid microextraction followed by electrothermal atomic absorption spectrometry. Mikrochimica Acta, 2009, 166, 355-361.	2.5	61
10	Use of carbon nanotubes and electrothermal atomic absorption spectrometry for the speciation of very low amounts of arsenic and antimony in waters. Talanta, 2011, 86, 52-57.	2.9	59
11	Speciation of silver nanoparticles and Ag(I) species using cloud point extraction followed by electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 101, 93-97.	1.5	59
12	Hollow fiber based liquid-phase microextraction for the determination of mercury traces in water samples by electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 2012, 743, 69-74.	2.6	56
13	Speciation of vitamin B12 analogues by liquid chromatography with flame atomic absorption spectrometric detection. Analytica Chimica Acta, 1996, 318, 319-325.	2.6	55
14	Direct Determination of Lead, Cadmium, Zinc, and Copper in Honey by Electrothermal Atomic Absorption Spectrometry using Hydrogen Peroxide as a Matrix Modifier. Journal of Agricultural and Food Chemistry, 1997, 45, 3952-3956.	2.4	55
15	Ultrasound-assisted dispersive liquidâ€“liquid microextraction for the speciation of traces of chromium using electrothermal atomic absorption spectrometry. Talanta, 2013, 115, 166-171.	2.9	54
16	Liquid-phase microextraction with solidification of the organic floating drop for the preconcentration and determination of mercury traces by electrothermal atomic absorption spectrometry. Analytical and Bioanalytical Chemistry, 2010, 396, 3097-3102.	1.9	52
17	Non-chromatographic speciation of chromium at sub-ppb levels using cloud point extraction in the presence of unmodified silver nanoparticles. Talanta, 2015, 132, 23-28.	2.9	50
18	Slurry sampling for the determination of lead, cadmium and thallium in soils and sediments by electrothermal atomic absorption spectrometry with fast-heating programs. Analytica Chimica Acta, 1996, 328, 19-25.	2.6	49

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19	Purge-and-trap preconcentration system coupled to capillary gas chromatography with atomic emission detection for 2,4,6-trichloroanisole determination in cork stoppers and wines. Journal of Chromatography A, 2004, 1061, 85-91.	1.8	49
20	Determination of very low amounts of chromium(iii) and (vi) using dispersive liquidâ€“liquid microextraction by in situ formation of an ionic liquid followed by electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2012, 27, 874.	1.6	48
21	Microextraction based on solidification of a floating organic drop followed by electrothermal atomic absorption spectrometry for the determination of ultratraces of lead and cadmium in waters. Analytical Methods, 2010, 2, 225.	1.3	47
22	Determination of thiol-containing drugs by chemiluminescenceâ€”flow injection analysis. Journal of Pharmaceutical and Biomedical Analysis, 1993, 11, 15-20.	1.4	45
23	Purge-and-trap capillary gas chromatography with atomic emission detection for volatile halogenated organic compounds determination in waters and beverages. Journal of Chromatography A, 2004, 1035, 1-8.	1.8	44
24	Speciation of arsenic using capillary gas chromatography with atomic emission detection. Talanta, 2008, 77, 793-799.	2.9	44
25	Determination of lead and cadmium using an ionic liquid and dispersive liquidâ€“liquid microextraction followed by electrothermal atomic absorption spectrometry. Talanta, 2013, 110, 46-52.	2.9	43
26	Slurry-electrothermal atomic absorption spectrometric determination of aluminium and chromium in vegetables using hydrogen peroxide as a matrix modifier. Talanta, 1995, 42, 527-533.	2.9	42
27	Electrothermal atomic absorption spectrometric determination of molybdenum, aluminium, chromium and manganese in milk. Analytica Chimica Acta, 1997, 356, 267-276.	2.6	40
28	Rapid determination of lead and cadmium in biological fluids by electrothermal atomic absorption spectrometry using Zeeman correction. Analytica Chimica Acta, 1999, 390, 207-215.	2.6	40
29	Determination of ultratraces of mercury species using separation with magnetic core-modified silver nanoparticles and electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2015, 30, 1980-1987.	1.6	40
30	Rapid determination of selenium in soils and sediments using slurry samplingâ€“electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1996, 11, 1003-1006.	1.6	39
31	Determination of selenium species in infant formulas and dietetic supplements using liquid chromatographyâ€“hydride generation atomic fluorescence spectrometry. Analytica Chimica Acta, 2005, 535, 49-56.	2.6	39
32	Fast determination of calcium, magnesium and zinc in honey using continuous flow flame atomic absorption spectrometry. Talanta, 1999, 49, 597-602.	2.9	38
33	Arsenic and antimony determination in soils and sediments by graphite furnace atomic absorption spectrometry with slurry sampling. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 437-443.	1.5	37
34	Quantification of Î²-carotene, retinol, retinyl acetate and retinyl palmitate in enriched fruit juices using dispersive liquidâ€“liquid microextraction coupled to liquid chromatography with fluorescence detection and atmospheric pressure chemical ionization-mass spectrometry. Journal of Chromatography A, 2013, 1275, 1-8.	1.8	36
35	Determination of mercury in soils and sediments by graphite furnace atomic absorption spectrometry with slurry sampling. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 2085-2092.	1.5	35
36	Direct determination of copper and zinc in cow milk, human milk and infant formula samples using electrothermal atomization atomic absorption spectrometry. Talanta, 1998, 46, 615-622.	2.9	35

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37	Ultrasound-assisted emulsification microextraction coupled with gas chromatographyâ€“mass spectrometry using the Taguchi design method for bisphenol migration studies from thermal printer paper, toys and baby utensils. Analytical and Bioanalytical Chemistry, 2012, 404, 671-678.	1.9	35
38	Slurry sampling for the determination of silver and gold in soils and sediments using electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 1715-1721.	1.5	34
39	Cloud point microextraction involving graphene oxide for the speciation of very low amounts of chromium in waters. Talanta, 2017, 172, 8-14.	2.9	33
40	Determination of volatile halogenated organic compounds in soils by purge-and-trap capillary gas chromatography with atomic emission detection. Talanta, 2004, 64, 584-589.	2.9	32
41	Selenium Determination in Biological Fluids Using Zeeman Background Correction Electrothermal Atomic Absorption Spectrometry. Analytical Biochemistry, 2000, 280, 195-200.	1.1	31
42	Determination of cadmium in used engine oil, gasoline and diesel by electrothermal atomic absorption spectrometry using magnetic ionic liquid-based dispersive liquid-liquid microextraction. Talanta, 2020, 220, 121395.	2.9	31
43	Flow-injection flame atomic absorption spectrometry for slurry atomization. Determination of calcium, magensium, iron, zinc and manganese in vegetables. Analytica Chimica Acta, 1993, 283, 393-400.	2.6	30
44	Determination of pesticides in waters by capillary gas chromatography with atomic emission detection. Journal of Chromatography A, 2002, 978, 249-256.	1.8	30
45	Speciation of organotin compounds in waters and marine sediments using purge-and-trap capillary gas chromatography with atomic emission detection. Analytica Chimica Acta, 2004, 525, 273-280.	2.6	29
46	Rapid screening of water soluble arsenic species in edible oils using dispersive liquidâ€“liquid microextraction. Food Chemistry, 2015, 167, 396-401.	4.2	29
47	Slurryâ€“electrothermal atomic absorption spectrometric methods for the determination of copper, lead, zinc, iron and chromium in sweets and chewing gum after partial dry ashing. Analyst, The, 1994, 119, 1119-1123.	1.7	28
48	Determination of vanadium, molybdenum and chromium in soils, sediments and sludges by electrothermal atomic absorption spectrometry with slurry sample introduction. Journal of Analytical Atomic Spectrometry, 2002, 17, 1429-1433.	1.6	28
49	Ion-pair high-performance liquid chromatography with diode array detection coupled to dual electrospray atmospheric pressure chemical ionization time-of-flight mass spectrometry for the determination of nucleotides in baby foods. Journal of Chromatography A, 2010, 1217, 5197-5203.	1.8	28
50	Slurry procedures for the determination of cadmium and lead in cereal-based products using electrothermal atomic absorption spectrometry. Fresenius' Journal of Analytical Chemistry, 1994, 349, 306-310.	1.5	27
51	Ion-exchange preconcentration and determination of vanadium in milk samples by electrothermal atomic absorption spectrometry. Talanta, 2009, 78, 1458-1463.	2.9	27
52	Nonchromatographic Speciation of Selenium in Edible Oils Using Dispersive Liquidâ€“Liquid Microextraction and Electrothermal Atomic Absorption Spectrometry. Journal of Agricultural and Food Chemistry, 2013, 61, 9356-9361.	2.4	27
53	Speciation of very low amounts of antimony in waters using magnetic core-modified silver nanoparticles and electrothermal atomic absorption spectrometry. Talanta, 2017, 162, 309-315.	2.9	27
54	Sensitive method for the spectrophotometric determination of boron in plants and waters using crystal violet. Analyst, The, 1985, 110, 1259-1262.	1.7	26

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55	Determination of molybdenum, chromium and aluminium in human urine by electrothermal atomic absorption spectrometry using fast-programme methodology. Talanta, 1999, 48, 905-912.	2.9	26
56	Determination of mercury in baby food and seafood samples using electrothermal atomic absorption spectrometry and slurry atomization. Journal of Analytical Atomic Spectrometry, 2001, 16, 633-637.	1.6	26
57	Dispersive liquidâ€“liquid microextraction coupled to liquid chromatography for thiamine determination in foods. Analytical and Bioanalytical Chemistry, 2012, 403, 1059-1066.	1.9	26
58	Food and beverage applications of liquid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2018, 109, 116-123.	5.8	26
59	Flow injection atomic absorption spectrometry with air compensation. Analyst, The, 1987, 112, 271-276.	1.7	25
60	Slurry-electrothermal atomic absorption spectrometry of samples with large amounts of silica. Determination of cadmium, zinc and manganese using fast temperature programmes. Analytica Chimica Acta, 1993, 283, 167-174.	2.6	25
61	Capillary gas chromatography with atomic emission detection for determining chlorophenols in water and soil samples. Analytica Chimica Acta, 2005, 552, 182-189.	2.6	25
62	Magnetic ferrite particles combined with electrothermal atomic absorption spectrometry for the speciation of low concentrations of arsenic. Talanta, 2018, 181, 6-12.	2.9	25
63	Determination of Selenium in Seafoods Using Electrothermal Atomic Absorption Spectrometry with Slurry Sample Introduction. Journal of Agricultural and Food Chemistry, 1996, 44, 836-841.	2.4	24
64	Calibration in flame atomic absorption spectrometry using a single standard and a gradient technique. Journal of Analytical Atomic Spectrometry, 1994, 9, 553-561.	1.6	23
65	Determination of Cadmium, Aluminium, and Copper in Beer and Products Used in Its Manufacture by Electrothermal Atomic Absorption Spectrometry. Journal of AOAC INTERNATIONAL, 2002, 85, 736-743.	0.7	23
66	Rapid furnace programmes for the slurry-electrothermal atomic absorption spectrometric determination of chromium, lead and copper in diatomaceous earth. Journal of Analytical Atomic Spectrometry, 1993, 8, 103-108.	1.6	22
67	Determination of arsenic in biological fluids by electrothermal atomic absorption spectrometry. Analyst, The, 2000, 125, 313-316.	1.7	22
68	Determination of tin and titanium in soils, sediments and sludges using electrothermal atomic absorption spectrometry with slurry sample introduction. Talanta, 2004, 62, 413-419.	2.9	22
69	Anion Exchange Liquid Chromatography for the Determination of Nucleotides in Baby and/or Functional Foods. Journal of Agricultural and Food Chemistry, 2009, 57, 7245-7249.	2.4	22
70	Rapid determination of calcium, magnesium, iron and zinc in flours using flow injection flame atomic absorption spectrometry for slurry atomization. Food Chemistry, 1993, 46, 307-311.	4.2	21
71	Use of submicroliter-volume samples for extending the dynamic range of flow-injection flame atomic absorption spectrometry. Analytica Chimica Acta, 1995, 308, 85-95.	2.6	21
72	Identification of vitamin B12 analogues by liquid chromatography with electrothermal atomic absorption detection. Chromatographia, 1996, 42, 566-570.	0.7	21

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73	Non-chromatographic screening procedure for arsenic speciation analysis in fish-based baby foods by using electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 2011, 699, 11-17.	2.6	21
74	FIA titrations of sulphide, cysteine and thiol-containing drugs with chemiluminescent detection. Fresenius' Journal of Analytical Chemistry, 1993, 345, 723-726.	1.5	20
75	Speciation of arsenic in baby foods and the raw fish ingredients using liquid chromatography-hydride generation-atomic absorption spectrometry. Chromatographia, 2003, 57, 611-616.	0.7	20
76	Liquid chromatographyâ€“electrothermal atomic absorption spectrometry for the separation and preconcentration of molybdenum in milk and infant formulas. Analytica Chimica Acta, 2007, 597, 187-194.	2.6	20
77	Multi-walled carbon nanotubes as solid-phase extraction adsorbents for the speciation of cobalamins in seafoods by liquid chromatography. Analytical and Bioanalytical Chemistry, 2011, 401, 1393-1399.	1.9	20
78	Graphite furnace atomic absorption spectrometric determination of vanadium after cloud point extraction in the presence of graphene oxide. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 143, 42-47.	1.5	20
79	Slurry procedure for the determination of titanium in plant materials using electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1992, 7, 529-532.	1.6	19
80	Flow injection flame atomic absorption spectrometry for slurry atomization. Determination of iron, calcium and magnesium in samples with high silica content. Talanta, 1993, 40, 1677-1685.	2.9	19
81	Electrothermal atomic absorption spectrometric determination of germanium in soils using ultrasound-assisted leaching. Analytica Chimica Acta, 2005, 531, 125-129.	2.6	19
82	Liquid chromatographyâ€“hydride generationâ€“atomic fluorescence spectrometry hybridation for antimony speciation in environmental samples. Talanta, 2006, 68, 1401-1405.	2.9	19
83	Cloud point extraction assisted by silver nanoparticles for the determination of traces of cadmium using electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2015, 30, 375-380.	1.6	19
84	Use of flow injection flame atomic absorption spectrometry for slurry atomization. Determination of copper, manganese, chromium and zinc in iron oxide pigments. Analyst, The, 1991, 116, 517-520.	1.7	18
85	Linear flow gradients for automatic titrations. Analytica Chimica Acta, 1995, 308, 67-76.	2.6	18
86	Slurry sampling for the rapid determination of cobalt, nickel and copper in soils and sediments by electrothermal atomic absorption spectrometry. Mikrochimica Acta, 1999, 130, 295-300.	2.5	18
87	Capillary Gas Chromatography with Atomic Emission Detection for Pesticide Analysis in Soil Samples. Journal of Agricultural and Food Chemistry, 2003, 51, 3704-3708.	2.4	18
88	Cold vapour atomic absorption method for the determination of mercury in iron(III) oxide and titanium oxide pigments using slurry sample introduction. Journal of Analytical Atomic Spectrometry, 1991, 6, 627-630.	1.6	17
89	A fast method for the determination of lead in paprika by electrothermal atomic-absorption spectrometry with slurry sample introduction. Talanta, 1991, 38, 1247-1251.	2.9	17
90	Ion chromatography-hydride generation-atomic fluorescence spectrometry speciation of tellurium. Applied Organometallic Chemistry, 2005, 19, 930-934.	1.7	17

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91	Fast determination of phosphorus in honey, milk and infant formulas by electrothermal atomic absorption spectrometry using a slurry sampling procedure. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 48-55.	1.5	17
92	Determination of very low amounts of free copper and nickel ions in beverages and water samples using cloud point extraction assisted by silver nanoparticles. Analytical Methods, 2015, 7, 3786-3792.	1.3	17
93	Determination of synthetic phosphodiesterase-5 inhibitors by LC-MS2 in waters and human urine submitted to dispersive liquid-liquid microextraction. Talanta, 2017, 174, 638-644.	2.9	17
94	Flow injection dilution system for the analysis of highly concentrated samples using flame atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1994, 9, 1167-1172.	1.6	16
95	Slurry Sampling Device for Use in Electrothermal Atomic Absorption Spectrometry. Journal of Analytical Atomic Spectrometry, 1997, 12, 777-779.	1.6	16
96	An evaluation of cis- and trans-retinol contents in juices using dispersive liquidâ€“liquid microextraction coupled to liquid chromatography with fluorimetric detection. Talanta, 2013, 103, 166-171.	2.9	16
97	Manual and fia methods for the determination of cadmium with malachite green and iodide. Talanta, 1988, 35, 885-889.	2.9	15
98	Microcrystalline cellulose for the dispersive solid-phase microextraction and sensitive determination of chromium in water using electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 1529-1535.	1.6	15
99	Fast determination of lead in commercial iron oxide pigments by graphite furnace atomic absorption spectrometry using a slurry technique. Journal of Analytical Atomic Spectrometry, 1989, 4, 701-704.	1.6	14
100	On-line dilution system for extending the calibration range of flame atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1992, 7, 1291-1294.	1.6	14
101	Rapid determination of lead and cadmium in sewage sludge samples using electrothermal atomic absorption spectrometry with slurry sample introduction. Fresenius' Journal of Analytical Chemistry, 2000, 367, 727-732.	1.5	14
102	Rapid Determination of Mercury in Food Colorants Using Electrothermal Atomic Absorption Spectrometry with Slurry Sample Introduction. Journal of Agricultural and Food Chemistry, 2002, 50, 949-954.	2.4	14
103	On-line filtration system for determining total chromium and chromium in the soluble fraction of industrial effluents by flow injection flame atomic absorption spectrometry. Analytical and Bioanalytical Chemistry, 2002, 373, 98-102.	1.9	14
104	Gas chromatography with atomic emission detection for dimethylselenide and dimethyldiselenide determination in waters and plant materials using a purge-and-trap preconcentration system. Journal of Chromatography A, 2005, 1095, 138-144.	1.8	14
105	Preconcentration and determination of boron in milk, infant formula, and honey samples by solid phase extraction-electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 179-183.	1.5	14
106	Speciation of chromium in waters using dispersive micro-solid phase extraction with magnetic ferrite and graphite furnace atomic absorption spectrometry. Scientific Reports, 2020, 10, 5268.	1.6	14
107	Spectrophotometric determination of saccharin in different materials by a solvent extraction method using nile blue as reagent. Talanta, 1985, 32, 325-327.	2.9	13
108	Determination of arsenic in commercial iron(III) oxide pigments by electrothermal atomic absorption spectrometry with slurry sample introduction. Journal of Analytical Atomic Spectrometry, 1990, 5, 647-650.	1.6	13

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109	Peristaltic pumps-Fourier transforms: a coupling of interest in continuous flow flame atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1996, 51, 1761-1768.	1.5	13
110	Rapid determination of lead, cadmium and thallium in cements using electrothermal atomic absorption spectrometry with slurry sample introduction. Fresenius' Journal of Analytical Chemistry, 1997, 357, 642-646.	1.5	13
111	Slurry atomisation for the determination of arsenic, cadmium and lead in food colourants using electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2001, 16, 1202-1205.	1.6	13
112	Automation of the standard additions method in flame atomic absorption spectrometry. Talanta, 2002, 56, 787-796.	2.9	13
113	Use of sodium tungstate as a permanent chemical modifier for slurry sampling electrothermal atomic absorption spectrometric determination of indium in soils. Analytical and Bioanalytical Chemistry, 2008, 391, 1469-1474.	1.9	13
114	Dispersive micro-solid phase extraction with a magnetic nanocomposite followed by electrothermal atomic absorption measurement for the speciation of thallium. Talanta, 2021, 228, 122206.	2.9	13
115	FIA and Manual Batch Procedures for the Spectrophotometric Determination of Mercury Using Bromide and Crystal Violet as Reagents. International Journal of Environmental Analytical Chemistry, 1988, 32, 97-108.	1.8	12
116	Flow injection flame atomic absorption spectrometry for slurry atomization: Determination of manganese, lead, zinc, calcium, magnesium, iron, sodium and potassium in cements. Fresenius' Journal of Analytical Chemistry, 1994, 350, 359-364.	1.5	12
117	Liquid chromatography-hydride generation-atomic absorption spectrometry for the speciation of tin in seafoods. Journal of Environmental Monitoring, 2004, 6, 262-266.	2.1	12
118	Determination of zinc in tissues of normal and dystrophic mice using electrothermal atomic absorption spectrometry and slurry sampling. Analytical Biochemistry, 2006, 348, 64-68.	1.1	12
119	Flow injection sample-to-standard additions method using atomic absorption spectrometry applicable to slurries. Analyst, The, 1991, 116, 831-834.	1.7	11
120	Analysis of copper in biscuits and bread using a fast-program slurry electrothermal atomic absorption procedure. Journal of Agricultural and Food Chemistry, 1993, 41, 2024-2027.	2.4	11
121	Determination of palladium with thiocyanate and rhodamine b by a solvent-extraction method. Talanta, 1986, 33, 411-414.	2.9	10
122	Freshly prepared magnetic ferrite for the speciation of silver using dispersive micro-solid phase extraction and electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2019, 34, 2112-2118.	1.6	10
123	Non-targeted analysis by DLLME-GC-MS for the monitoring of pollutants in the Mar Menor lagoon. Chemosphere, 2022, 286, 131588.	4.2	10
124	Automatic calibration in continuous flow analysis. Analytica Chimica Acta, 1996, 327, 83-93.	2.6	9
125	Automatic dilution system for use in flame atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1998, 13, 551-556.	1.6	9
126	Use of hydrofluoric acid to decrease the background signal caused by sodium chloride in electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 1999, 396, 279-284.	2.6	9

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127	Peristaltic pumps and Fourier transforms in flame atomic absorption spectrometry: use of standard additions method and on-line dilution procedures. Journal of Analytical Atomic Spectrometry, 2001, 16, 1185-1189.	1.6	9
128	Stability of Arsenobetaine Levels in Manufactured Baby Foods. Journal of Food Protection, 2003, 66, 2321-2324.	0.8	9
129	Benzazolate complexes of pentacoordinate nickel(II). Synthesis, spectroscopic study and luminescent response towards metal cations. Polyhedron, 2013, 61, 161-171.	1.0	9
130	Head-space gas chromatography coupled to mass spectrometry for the assessment of the contamination of mayonnaise by yeasts. Food Chemistry, 2019, 289, 461-467.	4.2	9
131	Toward Nitrite-Free Curing: Evaluation of a New Approach to Distinguish Real Uncured Meat from Cured Meat Made with Nitrite. Foods, 2021, 10, 313.	1.9	9
132	Multipumping flow system for improving hydride generation atomic fluorescence spectrometric determinations. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 368-372.	1.5	8
133	Liquid chromatographic determination of fat-soluble vitamins in paprika and paprika oleoresin. Food Chemistry, 1992, 45, 349-355.	4.2	7
134	ETAAS determination of gallium in soils using slurry sampling. Journal of Analytical Atomic Spectrometry, 2004, 19, 935-937.	1.6	7
135	Instrumental modification intended to save time, and volumes of sample and reagent solutions, in the atomic fluorescence spectrometric determination of mercury. Analytical and Bioanalytical Chemistry, 2007, 388, 495-498.	1.9	7
136	Solid-phase dispersive microextraction using reduced graphene oxide for the sensitive determination of cadmium and lead in waters. Analytical Methods, 2019, 11, 635-641.	1.3	7
137	Spectrophotometric determination of silver in lead and lead concentrates with thiocyanate and Rhodamine B. Analyst, The, 1984, 109, 1573-1576.	1.7	6
138	Determination of aluminium in chewing gum samples using electrothermal atomic-absorption spectrometry and slurry sample introduction. Fresenius' Journal of Analytical Chemistry, 1995, 351, 695-696.	1.5	6
139	Improvement of selectivity of flame atomic absorption spectrometry using Fourier transforms. Journal of Analytical Atomic Spectrometry, 1998, 13, 1151-1154.	1.6	6
140	Ion mobility spectrometry and mass spectrometry coupled to gas chromatography for analysis of microbial contaminated cosmetic creams. Analytica Chimica Acta, 2020, 1128, 52-61.	2.6	6
141	Ultrasound Assisted Extraction Approach to Test the Effect of Elastic Rubber Nettings on the N-Nitrosamines Content of Ham Meat Samples. Foods, 2021, 10, 2564.	1.9	6
142	A semiautomated flow injection procedure for acetylcholinesterase and cholinesterase activities. Analytical Biochemistry, 1992, 200, 176-179.	1.1	5
143	Calibration in flame atomic absorption spectrometry using time-dependent concentration profiles. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 849-854.	1.5	5
144	A manifold for the automatic dilution of concentrated solutions in flame atomic absorption spectrometry. Analytical and Bioanalytical Chemistry, 2002, 372, 587-592.	1.9	5

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145	Use of membrane micropumps for introducing the sample solution in flame atomic absorption spectrometry. Talanta, 2007, 71, 1369-1374.	2.9	5
146	Portable Raman Spectrometer as a Screening Tool for Characterization of Iberian Dry-Cured Ham. Foods, 2021, 10, 1177.	1.9	5
147	Determination of Mercury in Sewage Sludges by Slurry Sampling Electrothermal Atomic Absorption Spectrometry. Journal of AOAC INTERNATIONAL, 2002, 85, 25-30.	0.7	3
148	Nonconventional Semiautomated Standard Addition Procedure Based on Membrane Micropumps for Flame Atomic Absorption Spectrometry. Spectroscopy Letters, 2007, 40, 15-26.	0.5	2
149	Generation of time-dependent concentration profiles using a reduced-size continuous-flow manifold. Talanta, 2008, 75, 480-485.	2.9	2
150	Suspensions of biological tissues in alkaline medium for the determination of copper, manganese and cobalt by electrothermal atomic absorption spectrometry. Mikrochimica Acta, 2010, 171, 71-79.	2.5	2
151	Determination of benfothiamine in nutraceuticals using dispersive liquidâ€“liquid microextraction coupled to liquid chromatography. Analytical Methods, 2012, 4, 2759.	1.3	2
152	Determination of mercury in sewage sludges by slurry sampling electrothermal atomic absorption spectrometry. Journal of AOAC INTERNATIONAL, 2002, 85, 25-30.	0.7	1