

# Ignacio Lopez-Garcia

## List of Publications by Citations

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153  
papers

3,147  
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3,411  
ext. citations

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L-index

#	Paper	IF	Citations
153	Dispersive liquid-liquid microextraction in food analysis. A critical review. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 2067-99	4.4	154
152	Speciation of very low amounts of arsenic and antimony in waters using dispersive liquid-liquid microextraction and electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2009</b> , 64, 329-333	3.1	120
151	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. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 6735-40	4.5	68
150	Determination of cadmium and lead in edible oils by electrothermal atomic absorption spectrometry after reverse dispersive liquid-liquid microextraction. <i>Talanta</i> , <b>2014</b> , 124, 106-10	6.2	60
149	Use of carbon nanotubes and electrothermal atomic absorption spectrometry for the speciation of very low amounts of arsenic and antimony in waters. <i>Talanta</i> , <b>2011</b> , 86, 52-7	6.2	57
148	Determination of traces of lead and cadmium using dispersive liquid-liquid microextraction followed by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , <b>2009</b> , 166, 355-361	5.8	57
147	Pressurized liquid extraction and dispersive liquid-liquid microextraction for determination of tocopherols and tocotrienols in plant foods by liquid chromatography with fluorescence and atmospheric pressure chemical ionization-mass spectrometry detection. <i>Talanta</i> , <b>2014</b> , 119, 98-104	6.2	52
146	Hollow fiber based liquid-phase microextraction for the determination of mercury traces in water samples by electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2012</b> , 743, 69-74	6.6	52
145	An overview of microplastics characterization by thermal analysis. <i>Chemosphere</i> , <b>2020</b> , 242, 125170	8.4	52
144	Speciation of silver nanoparticles and Ag(I) species using cloud point extraction followed by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2014</b> , 101, 93-97	3.1	51
143	Ultrasound-assisted dispersive liquid-liquid microextraction for the speciation of traces of chromium using electrothermal atomic absorption spectrometry. <i>Talanta</i> , <b>2013</b> , 115, 166-71	6.2	51
142	Dispersive liquid-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. <i>Talanta</i> , <b>2013</b> , 115, 806-13	6.2	50
141	Liquid-phase microextraction with solidification of the organic floating drop for the preconcentration and determination of mercury traces by electrothermal atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 3097-102	4.4	48
140	Non-chromatographic speciation of chromium at sub-ppb levels using cloud point extraction in the presence of unmodified silver nanoparticles. <i>Talanta</i> , <b>2015</b> , 132, 23-8	6.2	47
139	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. <i>Journal of Chromatography A</i> , <b>2004</b> , 1061, 85-91	4.5	46
138	Determination of very low amounts of chromium(III) and (VI) using dispersive liquid-liquid microextraction by in situ formation of an ionic liquid followed by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2012</b> , 27, 874	3.7	45
137	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. <i>Analytical Methods</i> , <b>2010</b> , 2, 225	3.2	45

136	Speciation of vitamin B12 analogues by liquid chromatography with flame atomic absorption spectrometric detection. <i>Analytica Chimica Acta</i> , <b>1996</b> , 318, 319-325	6.6	45
135	Direct Determination of Lead, Cadmium, Zinc, and Copper in Honey by Electrothermal Atomic Absorption Spectrometry using Hydrogen Peroxide as a Matrix Modifier. <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 3952-3956	5.7	41
134	Determination of lead and cadmium using an ionic liquid and dispersive liquid-liquid microextraction followed by electrothermal atomic absorption spectrometry. <i>Talanta</i> , <b>2013</b> , 110, 46-52	6.2	40
133	Determination of thiol-containing drugs by chemiluminescence-flow injection analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1993</b> , 11, 15-20	3.5	40
132	Untargeted headspace gas chromatography - Ion mobility spectrometry analysis for detection of adulterated honey. <i>Talanta</i> , <b>2019</b> , 205, 120123	6.2	39
131	Speciation of arsenic using capillary gas chromatography with atomic emission detection. <i>Talanta</i> , <b>2008</b> , 77, 793-799	6.2	38
130	Slurry sampling for the determination of lead, cadmium and thallium in soils and sediments by electrothermal atomic absorption spectrometry with fast-heating programs. <i>Analytica Chimica Acta</i> , <b>1996</b> , 328, 19-25	6.6	38
129	Purge-and-trap capillary gas chromatography with atomic emission detection for volatile halogenated organic compounds determination in waters and beverages. <i>Journal of Chromatography A</i> , <b>2004</b> , 1035, 1-8	4.5	37
128	Determination of selenium species in infant formulas and dietetic supplements using liquid chromatography-hydride generation atomic fluorescence spectrometry. <i>Analytica Chimica Acta</i> , <b>2005</b> , 535, 49-56	6.6	34
127	Ultrasound-assisted emulsification microextraction coupled with gas chromatography-mass spectrometry using the Taguchi design method for bisphenol migration studies from thermal printer paper, toys and baby utensils. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 404, 671-8	4.4	33
126	Rapid determination of lead and cadmium in biological fluids by electrothermal atomic absorption spectrometry using Zeeman correction. <i>Analytica Chimica Acta</i> , <b>1999</b> , 390, 207-215	6.6	33
125	Determination of ultratraces of mercury species using separation with magnetic core-modified silver nanoparticles and electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 1980-1987	3.7	32
124	Electrothermal atomic absorption spectrometric determination of molybdenum, aluminium, chromium and manganese in milk. <i>Analytica Chimica Acta</i> , <b>1997</b> , 356, 267-276	6.6	31
123	Slurry sampling for the determination of silver and gold in soils and sediments using electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2003</b> , 58, 1715-1721	3.1	31
122	Slurry-electrothermal atomic absorption spectrometric determination of aluminium and chromium in vegetables using hydrogen peroxide as a matrix modifier. <i>Talanta</i> , <b>1995</b> , 42, 527-533	6.2	31
121	Cloud point microextraction involving graphene oxide for the speciation of very low amounts of chromium in waters. <i>Talanta</i> , <b>2017</b> , 172, 8-14	6.2	30
120	Determination of mercury in soils and sediments by graphite furnace atomic absorption spectrometry with slurry sampling. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>1997</b> , 52, 2085-2092	3.1	30
119	Fast determination of calcium, magnesium and zinc in honey using continuous flow flame atomic absorption spectrometry. <i>Talanta</i> , <b>1999</b> , 49, 597-602	6.2	30

118	Direct determination of copper and zinc in cow milk, human milk and infant formula samples using electrothermal atomization atomic absorption spectrometry. <i>Talanta</i> , <b>1998</b> , 46, 615-22	6.2	29
117	Arsenic and antimony determination in soils and sediments by graphite furnace atomic absorption spectrometry with slurry sampling. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>1997</b> , 52, 437-443	3.1	28
116	Rapid screening of water soluble arsenic species in edible oils using dispersive liquid-liquid microextraction. <i>Food Chemistry</i> , <b>2015</b> , 167, 396-401	8.5	27
115	Quantification of $\beta$ -carotene, retinol, retinyl acetate and retinyl palmitate in enriched fruit juices using dispersive liquid-liquid microextraction coupled to liquid chromatography with fluorescence detection and atmospheric pressure chemical ionization-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2013</b> , 1275, 1-8	4.5	27
114	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. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 5197-203	4.5	26
113	Speciation of organotin compounds in waters and marine sediments using purge-and-trap capillary gas chromatography with atomic emission detection. <i>Analytica Chimica Acta</i> , <b>2004</b> , 525, 273-280	6.6	26
112	Selenium determination in biological fluids using Zeeman background correction electrothermal atomic absorption spectrometry. <i>Analytical Biochemistry</i> , <b>2000</b> , 280, 195-200	3.1	26
111	Determination of volatile halogenated organic compounds in soils by purge-and-trap capillary gas chromatography with atomic emission detection. <i>Talanta</i> , <b>2004</b> , 64, 584-9	6.2	25
110	Nonchromatographic speciation of selenium in edible oils using dispersive liquid-liquid microextraction and electrothermal atomic absorption spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 9356-61	5.7	24
109	Capillary gas chromatography with atomic emission detection for determining chlorophenols in water and soil samples. <i>Analytica Chimica Acta</i> , <b>2005</b> , 552, 182-189	6.6	24
108	Rapid determination of selenium in soils and sediments using slurry sampling-electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1996</b> , 11, 1003-1006	3.7	24
107	Dispersive liquid-liquid microextraction coupled to liquid chromatography for thiamine determination in foods. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 1059-66	4.4	23
106	Ion-exchange preconcentration and determination of vanadium in milk samples by electrothermal atomic absorption spectrometry. <i>Talanta</i> , <b>2009</b> , 78, 1458-63	6.2	23
105	Speciation of very low amounts of antimony in waters using magnetic core-modified silver nanoparticles and electrothermal atomic absorption spectrometry. <i>Talanta</i> , <b>2017</b> , 162, 309-315	6.2	22
104	Determination of pesticides in waters by capillary gas chromatography with atomic emission detection. <i>Journal of Chromatography A</i> , <b>2002</b> , 978, 249-56	4.5	22
103	Food and beverage applications of liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 109, 116-123	14.6	22
102	Determination of Cadmium, Aluminium, and Copper in Beer and Products Used in Its Manufacture by Electrothermal Atomic Absorption Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , <b>2002</b> , 85, 736-743	4.7	21
101	Determination of mercury in baby food and seafood samples using electrothermal atomic absorption spectrometry and slurry atomization. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 633-637	3.7	21

100	Slurry-electrothermal atomic absorption spectrometric methods for the determination of copper, lead, zinc, iron and chromium in sweets and chewing gum after partial dry ashing. <i>Analyst, The</i> , <b>1994</b> , 119, 1119-1123	5	21
99	Flow injection atomic absorption spectrometry with air compensation. <i>Analyst, The</i> , <b>1987</b> , 112, 271-276	5	21
98	Anion exchange liquid chromatography for the determination of nucleotides in baby and/or functional foods. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 7245-9	5.7	20
97	Determination of tin and titanium in soils, sediments and sludges using electrothermal atomic absorption spectrometry with slurry sample introduction. <i>Talanta</i> , <b>2004</b> , 62, 413-9	6.2	20
96	Determination of vanadium, molybdenum and chromium in soils, sediments and sludges by electrothermal atomic absorption spectrometry with slurry sample introduction. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2002</b> , 17, 1429-1433	3.7	20
95	Calibration in flame atomic absorption spectrometry using a single standard and a gradient technique. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1994</b> , 9, 553-561	3.7	20
94	Determination of molybdenum, chromium and aluminium in human urine by electrothermal atomic absorption spectrometry using fast-programme methodology. <i>Talanta</i> , <b>1999</b> , 48, 905-12	6.2	19
93	Flow-injection flame atomic absorption spectrometry for slurry atomization. Determination of calcium, magnesium, iron, zinc and manganese in vegetables. <i>Analytica Chimica Acta</i> , <b>1993</b> , 283, 393-400	6.6	19
92	Sensitive method for the spectrophotometric determination of boron in plants and waters using crystal violet. <i>Analyst, The</i> , <b>1985</b> , 110, 1259-1262	5	19
91	Multi-walled carbon nanotubes as solid-phase extraction adsorbents for the speciation of cobalamins in seafoods by liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 1393-9	4.4	18
90	Non-chromatographic screening procedure for arsenic speciation analysis in fish-based baby foods by using electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2011</b> , 699, 11-7	6.6	18
89	Determination of Selenium in Seafoods Using Electrothermal Atomic Absorption Spectrometry with Slurry Sample Introduction. <i>Journal of Agricultural and Food Chemistry</i> , <b>1996</b> , 44, 836-841	5.7	18
88	Slurry-electrothermal atomic absorption spectrometry of samples with large amounts of silica. Determination of cadmium, zinc and manganese using fast temperature programmes. <i>Analytica Chimica Acta</i> , <b>1993</b> , 283, 167-174	6.6	18
87	Liquid chromatography-electrothermal atomic absorption spectrometry for the separation and preconcentration of molybdenum in milk and infant formulas. <i>Analytica Chimica Acta</i> , <b>2007</b> , 597, 187-94	6.6	17
86	Fast determination of phosphorus in honey, milk and infant formulas by electrothermal atomic absorption spectrometry using a slurry sampling procedure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2007</b> , 62, 48-55	3.1	17
85	Determination of very low amounts of free copper and nickel ions in beverages and water samples using cloud point extraction assisted by silver nanoparticles. <i>Analytical Methods</i> , <b>2015</b> , 7, 3786-3792	3.2	16
84	Magnetic ferrite particles combined with electrothermal atomic absorption spectrometry for the speciation of low concentrations of arsenic. <i>Talanta</i> , <b>2018</b> , 181, 6-12	6.2	16
83	Liquid chromatography-hydride generation-atomic fluorescence spectrometry hybridation for antimony speciation in environmental samples. <i>Talanta</i> , <b>2006</b> , 68, 1401-5	6.2	16

82	Ion chromatography-hydride generation-atomic fluorescence spectrometry speciation of tellurium. <i>Applied Organometallic Chemistry</i> , <b>2005</b> , 19, 930-934	3.1	16
81	Use of submicroliter-volume samples for extending the dynamic range of flow-injection flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>1995</b> , 308, 85-95	6.6	16
80	Cloud point extraction assisted by silver nanoparticles for the determination of traces of cadmium using electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 375-380	3.7	15
79	Speciation of arsenic in baby foods and the raw fish ingredients using liquid chromatography-hydride generation-atomic absorption spectrometry. <i>Chromatographia</i> , <b>2003</b> , 57, 611-616	2.1	15
78	Electrothermal atomic absorption spectrometric determination of germanium in soils using ultrasound-assisted leaching. <i>Analytica Chimica Acta</i> , <b>2005</b> , 531, 125-129	6.6	15
77	Slurry procedures for the determination of cadmium and lead in cereal-based products using electrothermal atomic absorption spectrometry. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1994</b> , 349, 306-310		15
76	FIA titrations of sulphide, cysteine and thiol-containing drugs with chemiluminescent detection. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1993</b> , 345, 723-726		15
75	Determination of synthetic phosphodiesterase-5 inhibitors by LC-MS in waters and human urine submitted to dispersive liquid-liquid microextraction. <i>Talanta</i> , <b>2017</b> , 174, 638-644	6.2	14
74	Identification of vitamin B12 analogues by liquid chromatography with electrothermal atomic absorption detection. <i>Chromatographia</i> , <b>1996</b> , 42, 566-570	2.1	14
73	Rapid furnace programmes for the slurry-electrothermal atomic absorption spectrometric determination of chromium, lead and copper in diatomaceous earth. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1993</b> , 8, 103-108	3.7	14
72	Determination of cadmium in used engine oil, gasoline and diesel by electrothermal atomic absorption spectrometry using magnetic ionic liquid-based dispersive liquid-liquid microextraction. <i>Talanta</i> , <b>2020</b> , 220, 121395	6.2	14
71	Graphite furnace atomic absorption spectrometric determination of vanadium after cloud point extraction in the presence of graphene oxide. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2018</b> , 143, 42-47	3.1	13
70	Preconcentration and determination of boron in milk, infant formula, and honey samples by solid phase extraction-electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2009</b> , 64, 179-183	3.1	13
69	Rapid determination of lead and cadmium in sewage sludge samples using electrothermal atomic absorption spectrometry with slurry sample introduction. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2000</b> , 367, 727-32		13
68	Determination of arsenic in biological fluids by electrothermal atomic absorption spectrometry. <i>Analyst, The</i> , <b>2000</b> , 125, 313-6	5	13
67	Slurry sampling for the rapid determination of cobalt, nickel and copper in soils and sediments by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , <b>1999</b> , 130, 295-300	5.8	13
66	Flow injection dilution system for the analysis of highly concentrated samples using flame atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1994</b> , 9, 1167-1172	3.7	13
65	Linear flow gradients for automatic titrations. <i>Analytica Chimica Acta</i> , <b>1995</b> , 308, 67-76	6.6	13

64	An evaluation of cis- and trans-retinol contents in juices using dispersive liquid-liquid microextraction coupled to liquid chromatography with fluorimetric detection. <i>Talanta</i> , <b>2013</b> , 103, 166-71	6.2	12
63	Slurry Sampling Device for Use in Electrothermal Atomic Absorption Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1997</b> , 12, 777-779	3.7	12
62	Use of sodium tungstate as a permanent chemical modifier for slurry sampling electrothermal atomic absorption spectrometric determination of indium in soils. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 1469-74	4.4	12
61	Rapid determination of mercury in food colorants using electrothermal atomic absorption spectrometry with slurry sample introduction. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 949-54	5.7	12
60	Rapid determination of calcium, magnesium, iron and zinc in flours using flow injection flame atomic absorption spectrometry for slurry atomization. <i>Food Chemistry</i> , <b>1993</b> , 46, 307-311	8.5	12
59	Determination of zinc in tissues of normal and dystrophic mice using electrothermal atomic absorption spectrometry and slurry sampling. <i>Analytical Biochemistry</i> , <b>2006</b> , 348, 64-8	3.1	11
58	Liquid chromatography-hydride generation-atomic absorption spectrometry for the speciation of tin in seafoods. <i>Journal of Environmental Monitoring</i> , <b>2004</b> , 6, 262-6		11
57	Capillary gas chromatography with atomic emission detection for pesticide analysis in soil samples. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 3704-8	5.7	11
56	Gas chromatography with atomic emission detection for dimethylselenide and dimethyldiselenide determination in waters and plant materials using a purge-and-trap preconcentration system. <i>Journal of Chromatography A</i> , <b>2005</b> , 1095, 138-44	4.5	11
55	Automation of the standard additions method in flame atomic absorption spectrometry. <i>Talanta</i> , <b>2002</b> , 56, 787-96	6.2	11
54	Slurry atomisation for the determination of arsenic, cadmium and lead in food colourants using electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 1202-1205	3.7	11
53	Peristaltic pumps-Fourier transforms: a coupling of interest in continuous flow flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>1996</b> , 51, 1761-1768	3.1	11
52	On-line dilution system for extending the calibration range of flame atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1992</b> , 7, 1291-1294	3.7	11
51	Spectrophotometric determination of saccharin in different materials by a solvent extraction method using Nile Blue as reagent. <i>Talanta</i> , <b>1985</b> , 32, 325-7	6.2	11
50	Microcrystalline cellulose for the dispersive solid-phase microextraction and sensitive determination of chromium in water using electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1529-1535	3.7	10
49	On-line filtration system for determining total chromium and chromium in the soluble fraction of industrial effluents by flow injection flame atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 373, 98-102	4.4	10
48	Flow injection flame atomic absorption spectrometry for slurry atomization. Determination of iron, calcium and magnesium in samples with high silica content. <i>Talanta</i> , <b>1993</b> , 40, 1677-85	6.2	10
47	Cold vapour atomic absorption method for the determination of mercury in iron(III) oxide and titanium oxide pigments using slurry sample introduction. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1991</b> , 6, 627-630	3.7	10

46	Benzazolate complexes of pentacoordinate nickel(II). Synthesis, spectroscopic study and luminescent response towards metal cations. <i>Polyhedron</i> , <b>2013</b> , 61, 161-171	2.7	9
45	Stability of arsenobetaine levels in manufactured baby foods. <i>Journal of Food Protection</i> , <b>2003</b> , 66, 2321-245	4.5	9
44	A fast method for the determination of lead in paprika by electrothermal atomic-absorption spectrometry with slurry sample introduction. <i>Talanta</i> , <b>1991</b> , 38, 1247-51	6.2	9
43	Multipumping flow system for improving hydride generation atomic fluorescence spectrometric determinations. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2006</b> , 61, 368-372	3.1	8
42	Use of hydrofluoric acid to decrease the background signal caused by sodium chloride in electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>1999</b> , 396, 279-284	6.6	8
41	Slurry procedure for the determination of titanium in plant materials using electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1992</b> , 7, 529-532	3.7	8
40	Manual and fia methods for the determination of cadmium with malachite green and iodide. <i>Talanta</i> , <b>1988</b> , 35, 885-9	6.2	8
39	FIA and Manual Batch Procedures for the Spectrophotometric Determination of Mercury Using Bromide and Crystal Violet as Reagents. <i>International Journal of Environmental Analytical Chemistry</i> , <b>1988</b> , 32, 97-108	1.8	8
38	Determination of palladium with thiocyanate and rhodamine b by a solvent-extraction method. <i>Talanta</i> , <b>1986</b> , 33, 411-4	6.2	8
37	Automatic dilution system for use in flame atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 551-556	3.7	7
36	Instrumental modification intended to save time, and volumes of sample and reagent solutions, in the atomic fluorescence spectrometric determination of mercury. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 495-8	4.4	7
35	ETAAS determination of gallium in soils using slurry sampling. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2004</b> , 19, 935-937	3.7	7
34	Peristaltic pumps and Fourier transforms in flame atomic absorption spectrometry: use of standard additions method and on-line dilution procedures. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 1185-1189	3.7	7
33	Analysis of copper in biscuits and bread using a fast-program slurry electrothermal atomic absorption procedure. <i>Journal of Agricultural and Food Chemistry</i> , <b>1993</b> , 41, 2024-2027	5.7	7
32	Flow injection flame atomic absorption spectrometry for slurry atomization: Determination of manganese, lead, zinc, calcium, magnesium, iron, sodium and potassium in cements. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1994</b> , 350, 359-364		7
31	Fast determination of lead in commercial iron oxide pigments by graphite furnace atomic absorption spectrometry using a slurry technique. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1989</b> , 4, 701-704	3.7	7
30	Flow injection sample-to-standard additions method using atomic absorption spectrometry applicable to slurries. <i>Analyst, The</i> , <b>1991</b> , 116, 831-834	5	7
29	Use of flow injection flame atomic absorption spectrometry for slurry atomization. Determination of copper, manganese, chromium and zinc in iron oxide pigments. <i>Analyst, The</i> , <b>1991</b> , 116, 517-520	5	7



28	Freshly prepared magnetic ferrite for the speciation of silver using dispersive micro-solid phase extraction and electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 2112-2118	3.7	6
27	Rapid determination of lead, cadmium and thallium in cements using electrothermal atomic absorption spectrometry with slurry sample introduction. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1997</b> , 357, 642-646		6
26	Determination of arsenic in commercial iron(III) oxide pigments by electrothermal atomic absorption spectrometry with slurry sample introduction. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1990</b> , 5, 647-650	3.7	6
25	Solid-phase dispersive microextraction using reduced graphene oxide for the sensitive determination of cadmium and lead in waters. <i>Analytical Methods</i> , <b>2019</b> , 11, 635-641	3.2	5
24	Head-space gas chromatography coupled to mass spectrometry for the assessment of the contamination of mayonnaise by yeasts. <i>Food Chemistry</i> , <b>2019</b> , 289, 461-467	8.5	5
23	Use of membrane micropumps for introducing the sample solution in flame atomic absorption spectrometry. <i>Talanta</i> , <b>2007</b> , 71, 1369-74	6.2	5
22	Calibration in flame atomic absorption spectrometry using time-dependent concentration profiles. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2000</b> , 55, 849-854	3.1	5
21	Dispersive micro-solid phase extraction with a magnetic nanocomposite followed by electrothermal atomic absorption measurement for the speciation of thallium. <i>Talanta</i> , <b>2021</b> , 228, 122206	6.2	5
20	Speciation of chromium in waters using dispersive micro-solid phase extraction with magnetic ferrite and graphite furnace atomic absorption spectrometry. <i>Scientific Reports</i> , <b>2020</b> , 10, 5268	4.9	4
19	A manifold for the automatic dilution of concentrated solutions in flame atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 372, 587-92	4.4	4
18	Automatic calibration in continuous flow analysis. <i>Analytica Chimica Acta</i> , <b>1996</b> , 327, 83-93	6.6	4
17	Liquid chromatographic determination of fat-soluble vitamins in paprika and paprika oleoresin. <i>Food Chemistry</i> , <b>1992</b> , 45, 349-355	8.5	4
16	Spectrophotometric determination of silver in lead and lead concentrates with thiocyanate and Rhodamine B. <i>Analyst</i> , <b>1984</b> , 109, 1573-1576	5	4
15	Improvement of selectivity of flame atomic absorption spectrometry using Fourier transforms. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 1151-1154	3.7	3
14	Determination of aluminium in chewing gum samples using electrothermal atomic-absorption spectrometry and slurry sample introduction. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1995</b> , 351, 695-696		3
13	A semiautomated flow injection procedure for acetylcholinesterase and cholinesterase activities. <i>Analytical Biochemistry</i> , <b>1992</b> , 200, 176-9	3.1	3
12	Ion mobility spectrometry and mass spectrometry coupled to gas chromatography for analysis of microbial contaminated cosmetic creams. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1128, 52-61	6.6	3
11	Toward Nitrite-Free Curing: Evaluation of a New Approach to Distinguish Real Uncured Meat from Cured Meat Made with Nitrite. <i>Foods</i> , <b>2021</b> , 10,	4.9	3

10	Non-targeted analysis by DLLME-GC-MS for the monitoring of pollutants in the Mar Menor lagoon. <i>Chemosphere</i> , <b>2022</b> , 286, 131588	8.4	3
9	Determination of benfothiamine in nutraceuticals using dispersive liquid-liquid microextraction coupled to liquid chromatography. <i>Analytical Methods</i> , <b>2012</b> , 4, 2759	3.2	2
8	Suspensions of biological tissues in alkaline medium for the determination of copper, manganese and cobalt by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , <b>2010</b> , 171, 71-79	5.8	2
7	Generation of time-dependent concentration profiles using a reduced-size continuous-flow manifold. <i>Talanta</i> , <b>2008</b> , 75, 480-5	6.2	2
6	Nonconventional Semiautomated Standard Addition Procedure Based on Membrane Micropumps for Flame Atomic Absorption Spectrometry. <i>Spectroscopy Letters</i> , <b>2007</b> , 40, 15-26	1.1	2
5	Determination of Mercury in Sewage Sludges by Slurry Sampling Electrothermal Atomic Absorption Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , <b>2002</b> , 85, 25-30	1.7	2
4	Atomic absorption spectrometry <b>2015</b> , 189-217		1
3	Ultrasound Assisted Extraction Approach to Test the Effect of Elastic Rubber Nettings on the N-Nitrosamines Content of Ham Meat Samples. <i>Foods</i> , <b>2021</b> , 10,	4.9	1
2	Portable Raman Spectrometer as a Screening Tool for Characterization of Iberian Dry-Cured Ham. <i>Foods</i> , <b>2021</b> , 10,	4.9	1
1	Determination of mercury in sewage sludges by slurry sampling electrothermal atomic absorption spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , <b>2002</b> , 85, 25-30	1.7	1