Pilar ViÃ±as

List of Publications by Year in descending order

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209 papers	6,232 citations	71102 41 h-index	114465 63 g-index
209 all docs	209 docs citations	209 times ranked	5735 citing authors

#	Article	IF	Citations
1	Comparison of two derivatization-based methods for solid-phase microextractionâ€“gas chromatographyâ€“mass spectrometric determination of bisphenol A, bisphenol S and biphenol migrated from food cans. Analytical and Bioanalytical Chemistry, 2010, 397, 115-125.	3.7	195
2	Dispersive liquidâ€“liquid microextraction in food analysis. A critical review. Analytical and Bioanalytical Chemistry, 2014, 406, 2067-2099.	3.7	179
3	Determination of phenols in wines by liquid chromatography with photodiode array and fluorescence detection. Journal of Chromatography A, 2000, 871, 85-93.	3.7	128
4	Determination of 16 polycyclic aromatic hydrocarbons in milk and related products using solid-phase microextraction coupled to gas chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2007, 596, 285-290.	5.4	123
5	Stir bar sorptive extraction coupled to gas chromatographyâ€“mass spectrometry for the determination of bisphenols in canned beverages and filling liquids of canned vegetables. Journal of Chromatography A, 2012, 1247, 146-153.	3.7	120
6	Liquid chromatography with ultraviolet absorbance detection for the analysis of tetracycline residues in honey. Journal of Chromatography A, 2004, 1022, 125-129.	3.7	115
7	Determination of volatile nitrosamines in meat products by microwave-assisted extraction and dispersive liquidâ€“liquid microextraction coupled to gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2011, 1218, 1815-1821.	3.7	101
8	Determination of alkylphenols and phthalate esters in vegetables and migration studies from their packages by means of stir bar sorptive extraction coupled to gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2012, 1241, 21-27.	3.7	96
9	Rapid determination of selenium, lead and cadmium in baby food samples using electrothermal atomic absorption spectrometry and slurry atomization. Analytica Chimica Acta, 2000, 412, 121-130.	5.4	92
10	Recent achievements in solidified floating organic drop microextraction. TrAC - Trends in Analytical Chemistry, 2015, 68, 48-77.	11.4	88
11	Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods. Journal of Chromatography A, 2003, 1007, 77-84.	3.7	87
12	Solid-phase microextraction on-fiber derivatization for the analysis of some polyphenols in wine and grapes using gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2009, 1216, 1279-1284.	3.7	87
13	Liquid Chromatographic Analysis of Riboflavin Vitamers in Foods Using Fluorescence Detection. Journal of Agricultural and Food Chemistry, 2004, 52, 1789-1794.	5.2	81
14	Directly suspended droplet microextraction with in injection-port derivatization coupled to gas chromatographyâ€“mass spectrometry for the analysis of polyphenols in herbal infusions, fruits and functional foods. Journal of Chromatography A, 2011, 1218, 639-646.	3.7	79
15	Ten years of dispersive liquidâ€“liquid microextraction and derived techniques. Applied Spectroscopy Reviews, 2017, 52, 267-415.	6.7	78
16	Placental lead and outcome of pregnancy. Toxicology, 2003, 185, 59-66.	4.2	77
17	Untargeted headspace gas chromatography â€“ Ion mobility spectrometry analysis for detection of adulterated honey. Talanta, 2019, 205, 120123.	5.5	75
18	Liquid Chromatography with Diode Array Detection and Tandem Mass Spectrometry for the Determination of Neonicotinoid Insecticides in Honey Samples Using Dispersive Liquidâ€“Liquid Microextraction. Journal of Agricultural and Food Chemistry, 2013, 61, 4799-4805.	5.2	72

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19	Method development and validation for strobilurin fungicides in baby foods by solid-phase microextraction gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2009, 1216, 140-146.	3.7	68
20	Determination of phthalate esters in cleaning and personal care products by dispersive liquidâ€“liquid microextraction and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2015, 1376, 18-25.	3.7	68
21	Determination of synthetic phenolic antioxidants in edible oils using microvial insert large volume injection gas-chromatography. Food Chemistry, 2016, 200, 249-254.	8.2	68
22	Liquidâ€“liquid microextraction methods based on ultrasound-assisted emulsification and single-drop coupled to gas chromatographyâ€“mass spectrometry for determining strobilurin and oxazole fungicides in juices and fruits. Journal of Chromatography A, 2010, 1217, 6569-6577.	3.7	63
23	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.	5.5	63
24	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.	5.5	62
25	Determination of spirocyclic tetronic/tetramic acid derivatives and neonicotinoid insecticides in fruits and vegetables by liquid chromatography and mass spectrometry after dispersive liquidâ€“liquid microextraction. Food Chemistry, 2016, 202, 389-395.	8.2	60
26	Use of headspace solid-phase microextraction coupled to liquid chromatography for the analysis of polycyclic aromatic hydrocarbons in tea infusions. Journal of Chromatography A, 2007, 1164, 10-17.	3.7	59
27	Evaluation of dispersive liquidâ€“liquid microextraction for the simultaneous determination of chlorophenols and haloanisoles in wines and cork stoppers using gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2010, 1217, 7323-7330.	3.7	58
28	Dispersive liquidâ€“liquid microextraction for the determination of flavonoid aglycone compounds in honey using liquid chromatography with diode array detection and time-of-flight mass spectrometry. Talanta, 2015, 131, 185-191.	5.5	57
29	Liquid chromatography on an amide stationary phase with post-column derivatization and fluorimetric detection for the determination of streptomycin and dihydrostreptomycin in foods. Talanta, 2007, 72, 808-812.	5.5	56
30	Speciation of vitamin B12 analogues by liquid chromatography with flame atomic absorption spectrometric detection. Analytica Chimica Acta, 1996, 318, 319-325.	5.4	55
31	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.	5.2	55
32	Liquid chromatographic determination of phenol, thymol and carvacrol in honey using fluorimetric detection. Talanta, 2006, 69, 1063-1067.	5.5	54
33	Stir bar sorptive extraction with EG-Silicone coating for bisphenols determination in personal care products by GCâ€“MS. Journal of Pharmaceutical and Biomedical Analysis, 2013, 78-79, 255-260.	2.8	53
34	Stir bar sorptive extraction coupled to liquid chromatography for the analysis of strobilurin fungicides in fruit samples. Journal of Chromatography A, 2010, 1217, 4529-4534.	3.7	51
35	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.	3.7	49
36	Comparison of stir bar sorptive extraction and membrane-assisted solvent extraction for the ultra-performance liquid chromatographic determination of oxazole fungicide residues in wines and juices. Journal of Chromatography A, 2008, 1194, 178-183.	3.7	48

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37	Determination of thiol-containing drugs by chemiluminescenceâ€"flow injection analysis. Journal of Pharmaceutical and Biomedical Analysis, 1993, 11, 15-20.	2.8	45
38	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.	3.7	44
39	A comparison of solid-phase microextraction and stir bar sorptive extraction coupled to liquid chromatography for the rapid analysis of resveratrol isomers in wines, musts and fruit juices. Analytica Chimica Acta, 2008, 611, 119-125.	5.4	44
40	Speciation of arsenic using capillary gas chromatography with atomic emission detection. Talanta, 2008, 77, 793-799.	5.5	44
41	Comparison of enzymatic extraction procedures for use with directly coupled high performance liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of arsenic in baby foods. Analytica Chimica Acta, 2001, 441, 29-36.	5.4	43
42	Magnetic solid phase extraction with CoFe2O4/oleic acid nanoparticles coupled to gas chromatography-mass spectrometry for the determination of alkylphenols in baby foods. Food Chemistry, 2017, 221, 76-81.	8.2	43
43	Slurry-electrothermal atomic absorption spectrometric determination of aluminium and chromium in vegetables using hydrogen peroxide as a matrix modifier. Talanta, 1995, 42, 527-533.	5.5	42
44	Stir bar sorptive extraction with gas chromatographyâ€"mass spectrometry for the determination of resveratrol, piceatannol and oxyresveratrol isomers in wines. Journal of Chromatography A, 2013, 1315, 21-27.	3.7	41
45	Stir bar sorptive extraction polar coatings for the determination of chlorophenols and chloroanisoles in wines using gas chromatography and mass spectrometry. Talanta, 2014, 118, 30-36.	5.5	41
46	Magnetic carbon nanotube composite for the preconcentration of parabens from water and urine samples using dispersive solid phase extraction. Journal of Chromatography A, 2018, 1564, 102-109.	3.7	41
47	Flow injectionâ€"fluorimetric method for the determination of ranitidine in pharmaceutical preparations using o-phthalaldehyde. Analyst, The, 1996, 121, 1043-1046.	3.5	40
48	Electrothermal atomic absorption spectrometric determination of molybdenum, aluminium, chromium and manganese in milk. Analytica Chimica Acta, 1997, 356, 267-276.	5.4	40
49	Rapid determination of lead and cadmium in biological fluids by electrothermal atomic absorption spectrometry using Zeeman correction. Analytica Chimica Acta, 1999, 390, 207-215.	5.4	40
50	Solid-phase microextraction followed by gas chromatography for the speciation of organotin compounds in honey and wine samples: A comparison of atomic emission and mass spectrometry detectors. Journal of Food Composition and Analysis, 2012, 25, 66-73.	3.9	40
51	Dispersive liquidâ€"liquid microextraction for the determination of macrocyclic lactones in milk by liquid chromatography with diode array detection and atmospheric pressure chemical ionization ion-trap tandem mass spectrometry. Journal of Chromatography A, 2013, 1282, 20-26.	3.7	40
52	Classification and terminology in dispersive liquidâ€"liquid microextraction. Microchemical Journal, 2016, 127, 184-186.	4.5	40
53	Slurry atomization for the determination of arsenic in baby foods using electrothermal atomic absorption spectrometry and deuterium background correction. Journal of Analytical Atomic Spectrometry, 1999, 14, 1215-1219.	3.0	39
54	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.	5.4	39

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55	Fast determination of calcium, magnesium and zinc in honey using continuous flow flame atomic absorption spectrometry. Talanta, 1999, 49, 597-602.	5.5	38
56	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.	3.7	36
57	Simultaneous liquid chromatographic analysis of 5-(hydroxymethyl)-2-furaldehyde and methyl anthranilate in honey. Food Chemistry, 1992, 44, 67-72.	8.2	35
58	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.	5.5	35
59	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.	3.7	35
60	Dispersive liquidâ€“liquid microextraction for the determination of new generation pesticides in soils by liquid chromatography and tandem mass spectrometry. Journal of Chromatography A, 2015, 1394, 1-8.	3.7	35
61	A headspace solid-phase microextraction procedure coupled with gas chromatographyâ€“mass spectrometry for the analysis of volatile polycyclic aromatic hydrocarbons in milk samples. Analytical and Bioanalytical Chemistry, 2008, 391, 753-758.	3.7	33
62	Evaluation of the contamination of spirits by polycyclic aromatic hydrocarbons using ultrasound-assisted emulsification microextraction coupled to gas chromatographyâ€“mass spectrometry. Food Chemistry, 2016, 190, 324-330.	8.2	33
63	Radioimmunoassay of alpha rat atrial natriuretic peptide. Neuropeptides, 1986, 7, 159-173.	2.2	32
64	Determination of volatile halogenated organic compounds in soils by purge-and-trap capillary gas chromatography with atomic emission detection. Talanta, 2004, 64, 584-589.	5.5	32
65	Selenium Determination in Biological Fluids Using Zeeman Background Correction Electrothermal Atomic Absorption Spectrometry. Analytical Biochemistry, 2000, 280, 195-200.	2.4	31
66	Dispersive liquidâ€”liquid microextraction for the determination of three cytokinin compounds in fruits and vegetables by liquid chromatography with time-of-flight mass spectrometry. Talanta, 2013, 116, 376-381.	5.5	31
67	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.	5.4	30
68	Determination of Copper, Cobalt, Nickel, and Manganese in Baby Food Slurries Using Electrothermal Atomic Absorption Spectrometry. Journal of Agricultural and Food Chemistry, 2000, 48, 5789-5794.	5.2	30
69	Determination of pesticides in waters by capillary gas chromatography with atomic emission detection. Journal of Chromatography A, 2002, 978, 249-256.	3.7	30
70	Glyoxal and methylglyoxal as urinary markers of diabetes. Determination using a dispersive liquidâ€“liquid microextraction procedure combined with gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2017, 1509, 43-49.	3.7	30
71	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.	5.4	29
72	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.	3.5	28

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73	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.	3.0	28
74	Determination of chloramphenicol residues in animal feeds by liquid chromatography with photo-diode array detection. Analytica Chimica Acta, 2006, 558, 11-15.	5.4	28
75	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.	3.7	28
76	Capillary liquid chromatography combined with pressurized liquid extraction and dispersive liquidâ€“liquid microextraction for the determination of vitamin E in cosmetic products. Journal of Pharmaceutical and Biomedical Analysis, 2014, 94, 173-179.	2.8	28
77	Liquid-phase microextraction: update May 2016 to December 2018. Applied Spectroscopy Reviews, 2020, 55, 307-326.	6.7	28
78	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
79	Ion-exchange preconcentration and determination of vanadium in milk samples by electrothermal atomic absorption spectrometry. Talanta, 2009, 78, 1458-1463.	5.5	27
80	Determination of nitrophenols in environmental samples using stir bar sorptive extraction coupled to thermal desorption gas chromatography-mass spectrometry. Talanta, 2018, 189, 543-549.	5.5	27
81	Bioaccumulation of Polycyclic Aromatic Hydrocarbons for Forensic Assessment Using Gas Chromatographyâ€“Mass Spectrometry. Chemical Research in Toxicology, 2019, 32, 1680-1688.	3.3	27
82	Determination of sulphonamides in foods by liquid chromatography with postcolumn fluorescence derivatization. Journal of Chromatography A, 1996, 726, 125-131.	3.7	26
83	Determination of molybdenum, chromium and aluminium in human urine by electrothermal atomic absorption spectrometry using fast-programme methodology. Talanta, 1999, 48, 905-912.	5.5	26
84	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.	3.0	26
85	Evaluation of solid-phase microextraction conditions for the determination of polycyclic aromatic hydrocarbons in aquatic species using gas chromatography. Analytical and Bioanalytical Chemistry, 2008, 391, 1419-1424.	3.7	26
86	Dispersive liquidâ€“liquid microextraction coupled to liquid chromatography for thiamine determination in foods. Analytical and Bioanalytical Chemistry, 2012, 403, 1059-1066.	3.7	26
87	Food and beverage applications of liquid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2018, 109, 116-123.	11.4	26
88	Slurry atomization of vegetables for the electrothermal atomic absorption spectrometric analysis of lead and cadmium. Food Chemistry, 1994, 50, 317-321.	8.2	25
89	Environmental Exposures to Lead and Cadmium Measured in Human Placenta. Archives of Environmental Health, 2002, 57, 598-602.	0.4	25
90	Capillary gas chromatography with atomic emission detection for determining chlorophenols in water and soil samples. Analytica Chimica Acta, 2005, 552, 182-189.	5.4	25

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91	Analysis of Nitrofuran Residues in Animal Feed Using Liquid Chromatography and Photodiode-Array Detection. Chromatographia, 2006, 65, 85-89.	1.3	25
92	Determination of Selenium in Seafoods Using Electrothermal Atomic Absorption Spectrometry with Slurry Sample Introduction. Journal of Agricultural and Food Chemistry, 1996, 44, 836-841.	5.2	24
93	Headspace sorptive extraction for the detection of combustion accelerants in fire debris. Forensic Science International, 2014, 238, 26-32.	2.2	24
94	A study of the influence on diabetes of free and conjugated bisphenol A concentrations in urine: Development of a simple microextraction procedure using gas chromatographyâ€“mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2016, 129, 458-465.	2.8	24
95	Calibration in flame atomic absorption spectrometry using a single standard and a gradient technique. Journal of Analytical Atomic Spectrometry, 1994, 9, 553-561.	3.0	23
96	Use of post-column fluorescence derivatization to develop a liquid chromatographic assay for ranitidine and its metabolites in biological fluids. Biomedical Applications, 1997, 693, 443-449.	1.7	23
97	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.	1.5	23
98	Improved sensitivity gas chromatographyâ€“mass spectrometry determination of parabens in waters using ionic liquids. Talanta, 2016, 146, 568-574.	5.5	23
99	Determination of arsenic in biological fluids by electrothermal atomic absorption spectrometry. Analyst, The, 2000, 125, 313-316.	3.5	22
100	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.	5.2	22
101	In situ ionic liquid dispersive liquidâ€“liquid microextraction and direct microvial insert thermal desorption for gas chromatographic determination of bisphenol compounds. Analytical and Bioanalytical Chemistry, 2016, 408, 243-249.	3.7	22
102	Determination of vanadium in petroleum products by a catalytic method. Analyst, The, 1985, 110, 1343-1345.	3.5	21
103	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.	8.2	21
104	Use of submicroliter-volume samples for extending the dynamic range of flow-injection flame atomic absorption spectrometry. Analytica Chimica Acta, 1995, 308, 85-95.	5.4	21
105	Identification of vitamin B12 analogues by liquid chromatography with electrothermal atomic absorption detection. Chromatographia, 1996, 42, 566-570.	1.3	21
106	Determination of clenbuterol in pharmaceutical preparations by reaction with o-phthalaldehyde using a flow-injection fluorimetric procedure. Talanta, 2000, 53, 47-53.	5.5	21
107	Use of oleic-acid functionalized nanoparticles for the magnetic solid-phase microextraction of alkylphenols in fruit juices using liquid chromatography-tandem mass spectrometry. Talanta, 2016, 151, 217-223.	5.5	21
108	Combination of solvent extractants for dispersive liquid-liquid microextraction of fungicides from water and fruit samples by liquid chromatography with tandem mass spectrometry. Food Chemistry, 2017, 233, 69-76.	8.2	21

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109	FIA titrations of sulphide, cysteine and thiol-containing drugs with chemiluminescent detection. Fresenius' Journal of Analytical Chemistry, 1993, 345, 723-726.	1.5	20
110	Speciation of arsenic in baby foods and the raw fish ingredients using liquid chromatography-hydride generation-atomic absorption spectrometry. Chromatographia, 2003, 57, 611-616.	1.3	20
111	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.	5.4	20
112	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.	3.7	20
113	Development of a new methodology for the determination of N-nitrosamines impurities in ranitidine pharmaceuticals using microextraction and gas chromatography-mass spectrometry. Talanta, 2021, 223, 121659.	5.5	20
114	Slurry procedure for the determination of titanium in plant materials using electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1992, 7, 529-532.	3.0	19
115	Comparison of ion-pair and amide-based column reversed-phase liquid chromatography for the separation of thiamine-related compounds. Biomedical Applications, 2001, 757, 301-308.	1.7	19
116	Determination of Thiamine and Its Esters in Beers and Raw Materials Used for Their Manufacture by Liquid Chromatography with Postcolumn Derivatization. Journal of Agricultural and Food Chemistry, 2003, 51, 3222-3227.	5.2	19
117	Liquid chromatographyâ€“hydride generationâ€“atomic fluorescence spectrometry hybridation for antimony speciation in environmental samples. Talanta, 2006, 68, 1401-1405.	5.5	19
118	Solid-phase microextraction for the gas chromatography mass spectrometric determination of oxazole fungicides in malt beverages. Analytical and Bioanalytical Chemistry, 2008, 391, 1425-1431.	3.7	19
119	Use of headspace sorptive extraction coupled to gas chromatographyâ€“mass spectrometry for the analysis of volatile polycyclic aromatic hydrocarbons in herbal infusions. Journal of Chromatography A, 2014, 1356, 38-44.	3.7	19
120	Headspace Gas Chromatography Coupled to Mass Spectrometry and Ion Mobility Spectrometry: Classification of Virgin Olive Oils as a Study Case. Foods, 2020, 9, 1288.	4.3	19
121	Targeted and untargeted gas chromatography-mass spectrometry analysis of honey samples for determination of migrants from plastic packages. Food Chemistry, 2021, 334, 127547.	8.2	19
122	Linear flow gradients for automatic titrations. Analytica Chimica Acta, 1995, 308, 67-76.	5.4	18
123	Capillary Gas Chromatography with Atomic Emission Detection for Pesticide Analysis in Soil Samples. Journal of Agricultural and Food Chemistry, 2003, 51, 3704-3708.	5.2	18
124	Ion chromatography-hydride generation-atomic fluorescence spectrometry speciation of tellurium. Applied Organometallic Chemistry, 2005, 19, 930-934.	3.5	17
125	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.	2.9	17
126	Determination of Phenolic Acids and Hydrolyzable Tannins in Pomegranate Fruit and Beverages by Liquid Chromatography with Diode Array Detection and Time-of-Flight Mass Spectrometry. Food Analytical Methods, 2015, 8, 1315-1325.	2.6	17

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127	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.	5.5	17
128	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.	3.0	16
129	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.	5.5	16
130	Magnetic solidâ€phase extraction or dispersive liquidâ€“liquid microextraction for pyrethroid determination in environmental samples. Journal of Separation Science, 2018, 41, 2565-2575.	2.5	16
131	Determination of amphenicol antibiotics and their glucuronide metabolites in urine samples using liquid chromatography with quadrupole time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1146, 122122.	2.3	16
132	Dispersive Solid-Phase Extraction using Magnetic Carbon Nanotube Composite for the Determination of Emergent Mycotoxins in Urine Samples. Toxins, 2020, 12, 51.	3.4	16
133	Liquid chromatographic analysis of sulfonamides in foods. Chromatographia, 1995, 40, 382-386.	1.3	15
134	Placental Cadmium and Lipid Peroxidation in Smoking Women Related to Newborn Anthropometric Measurements. Archives of Environmental Contamination and Toxicology, 2003, 45, 278-282.	4.1	15
135	Determination of Cyanotoxins and Phycotoxins in Seawater and Algae-Based Food Supplements Using Ionic Liquids and Liquid Chromatography with Time-Of-Flight Mass Spectrometry. Toxins, 2019, 11, 610.	3.4	15
136	Catalytic titration of N-penicillamine, N-acetylcysteine, cysteine and 2-mercaptopropionylglycine. Analyst, The, 1990, 115, 757-760.	3.5	14
137	Determination of ethoxyquin in paprika by high-performance liquid chromatography. Food Chemistry, 1991, 42, 241-251.	8.2	14
138	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
139	Flow-Injection Fluorimetric Determination of Thiamine in Pharmaceutical Preparations. Mikrochimica Acta, 2000, 134, 83-87.	5.0	14
140	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.	5.2	14
141	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.	3.7	14
142	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.	2.9	14
143	Dual stir bar sorptive extraction coupled to thermal desorption-gas chromatography-mass spectrometry for the determination of endocrine disruptors in human tissues. Talanta, 2020, 207, 120331.	5.5	14
144	Kinetic determination of iodide, based on the chlorpromazineâ€”bromate reaction. Talanta, 1987, 34, 351-354.	5.5	13

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145	Flow injection analysis and batch procedures for the routine determination of N-penicillamine. Microchemical Journal, 1990, 41, 2-9.	4.5	13
146	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.	2.9	13
147	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
148	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.	3.0	13
149	Automation of the standard additions method in flame atomic absorption spectrometry. Talanta, 2002, 56, 787-796.	5.5	13
150	Glyoxal and methylglyoxal determination in urine by surfactant-assisted dispersive liquidâ€“liquid microextraction and LC. Bioanalysis, 2017, 9, 369-379.	1.5	13
151	Extending the dynamic range of flame atomic absorption spectrometry: a comparison of procedures for the determination of several elements in milk and mineral waters using on-line dilution. Fresenius' Journal of Analytical Chemistry, 1996, 355, 57-64.	1.5	12
152	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
153	Reliable analysis of chlorophenoxy herbicides in soil and water by magnetic solid phase extraction and liquid chromatography. Environmental Chemistry Letters, 2018, 16, 1077-1082.	16.2	12
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