

P LÃ³pez-MahÃ­a

List of Publications by Year in descending order

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227
papers

6,699
citations

70961

41
h-index

98622

67
g-index

228
all docs

228
docs citations

228
times ranked

7265
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging pollutants in sewage, surface and drinking water in Galicia (NW Spain). <i>Chemosphere</i> , 2012, 86, 1040-1049.	4.2	332
2	Multi-residue analytical method for the determination of emerging pollutants in water by solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 2958-2969.	1.8	214
3	Multiresidue analysis of acidic and polar organic contaminants in water samples by stir-bar sorptive extraction-liquid desorption-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1174, 27-39.	1.8	201
4	Multiclass Determination of Sunscreen Chemicals in Water Samples by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 1307-1315.	3.2	188
5	Spatial and temporal distribution of dissolved/dispersed aromatic hydrocarbons in seawater in the area affected by the Prestige oil spill. <i>Marine Pollution Bulletin</i> , 2006, 53, 250-259.	2.3	164
6	Slurry sampling for direct analysis of solid materials by electrothermal atomic absorption spectrometry (ETAAS). A literature review from 1990 to 2000. <i>Talanta</i> , 2002, 56, 1-51.	2.9	145
7	In-vivo and in-vitro testing to assess the bioaccessibility and the bioavailability of arsenic, selenium and mercury species in food samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 324-345.	5.8	142
8	Microwave-assisted extraction versus Soxhlet extraction in the analysis of 21 organochlorine pesticides in plants. <i>Journal of Chromatography A</i> , 2003, 1008, 115-122.	1.8	116
9	Determination of alkylphenols and bisphenol A in seawater samples by dispersive liquid-liquid microextraction and liquid chromatography tandem mass spectrometry for compliance with environmental quality standards (Directive 2008/105/EC). <i>Journal of Chromatography A</i> , 2012, 1223, 1-8.	1.8	109
10	As, Hg, and Se Flue Gas Sampling in a Coal-Fired Power Plant and Their Fate during Coal Combustion. <i>Environmental Science & Technology</i> , 2003, 37, 5262-5267.	4.6	106
11	Tracers and impact of open burning of rice straw residues on PM in Eastern Spain. <i>Atmospheric Environment</i> , 2008, 42, 1941-1957.	1.9	98
12	Strengths and weaknesses of in-tube solid-phase microextraction: A scoping review. <i>Analytica Chimica Acta</i> , 2016, 906, 41-57.	2.6	96
13	Investigating the chlorination of acidic pharmaceuticals and by-product formation aided by an experimental design methodology. <i>Water Research</i> , 2010, 44, 243-255.	5.3	92
14	Occurrence, distribution and bioaccumulation of endocrine disrupting compounds in water, sediment and biota samples from a European river basin. <i>Science of the Total Environment</i> , 2015, 529, 121-130.	3.9	89
15	Solid-phase microextraction-gas chromatographic-tandem mass spectrometric analysis of polycyclic aromatic hydrocarbons. <i>Journal of Chromatography A</i> , 2007, 1176, 48-56.	1.8	78
16	Comparison of pressurized liquid extraction and microwave assisted extraction for the determination of organochlorine pesticides in vegetables. <i>Talanta</i> , 2007, 71, 1345-1351.	2.9	77
17	Impact of weathering on the chemical identification of microplastics from usual packaging polymers in the marine environment. <i>Analytica Chimica Acta</i> , 2021, 1142, 179-188.	2.6	72
18	Evaluation of HCH isomers and metabolites in soils, leachates, river water and sediments of a highly contaminated area. <i>Chemosphere</i> , 2006, 64, 588-595.	4.2	69

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19	A practical comparison of single and multiple imputation methods to handle complex missing data in air quality datasets. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 134, 23-33.	1.8	68
20	Trends in analytical methodologies for the determination of alkylphenols and bisphenol A in water samples. <i>Analytica Chimica Acta</i> , 2017, 962, 1-14.	2.6	68
21	Distribution of volatile organic compounds during the combustion process in coal-fired power stations. <i>Atmospheric Environment</i> , 2001, 35, 5823-5831.	1.9	66
22	Influence of marine, terrestrial and anthropogenic sources on ionic and metallic composition of rainwater at a suburban site (northwest coast of Spain). <i>Atmospheric Environment</i> , 2014, 88, 30-38.	1.9	66
23	Kinetics of the hydrolysis of bisphenol A diglycidyl ether (BADGE) in water-based food simulants. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 345, 527-532.	1.5	62
24	Optimisation of a selective method for the determination of organophosphorous triesters in outdoor particulate samples by pressurised liquid extraction and large-volume injection gas chromatographyâ€“positive chemical ionisationâ€“tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1283-1293.	1.9	62
25	Organochlorine pesticides accumulation and degradation products in vegetation samples of a contaminated area in Galicia (NW Spain). <i>Chemosphere</i> , 2005, 58, 1571-1578.	4.2	61
26	Coupled high performance liquid chromatographyâ€“microwave digestionâ€“hydride generationâ€“atomic absorption spectrometry for inorganic and organic arsenic speciation in fish tissue. <i>Talanta</i> , 2002, 57, 741-750.	2.9	60
27	Assessment of the bioavailability of toxic and non-toxic arsenic species in seafood samples. <i>Food Chemistry</i> , 2012, 130, 552-560.	4.2	60
28	Determination of 21 organochlorine pesticides in tree leaves using solid-phase extraction clean-up cartridges. <i>Journal of Chromatography A</i> , 2004, 1061, 133-139.	1.8	56
29	Trace metals in marine foodstuff: Bioavailability estimation and effect of major food constituents. <i>Food Chemistry</i> , 2012, 134, 339-345.	4.2	56
30	An intercomparison study of analytical methods used for quantification of levoglucosan in ambient aerosol filter samples. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 125-147.	1.2	54
31	A low-cost system to simulate environmental microplastic weathering. <i>Marine Pollution Bulletin</i> , 2019, 149, 110663.	2.3	54
32	Antimony as a Tracer of the Anthropogenic Influence on Soils and Estuarine Sediments. <i>Water, Air, and Soil Pollution</i> , 2001, 129, 333-348.	1.1	53
33	Urban NH ₃ levels and sources in six major Spanish cities. <i>Chemosphere</i> , 2015, 119, 769-777.	4.2	53
34	Blank and sample handling troubleshooting in ultratrace analysis of alkylphenols and bisphenol A by liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2012, 101, 413-419.	2.9	50
35	Development of pressurized liquid extraction and cleanup procedures for determination of organochlorine pesticides in soils. <i>Journal of Chromatography A</i> , 2004, 1047, 147-155.	1.8	48
36	Standardization of the minimum information for publication of infrared-related data when microplastics are characterized. <i>Marine Pollution Bulletin</i> , 2020, 154, 111035.	2.3	48

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37	Purging behaviors and comorbidity as predictive factors of quality of life in anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2004, 36, 445-450.	2.1	46
38	Simultaneous pressurized enzymatic hydrolysis extraction and clean up for arsenic speciation in seafood samples before high performance liquid chromatographyâ€“inductively coupled plasma-mass spectrometry determination. <i>Analytica Chimica Acta</i> , 2010, 679, 63-73.	2.6	45
39	Influence of several experimental parameters on As and Se leaching from coal fly ash samples. <i>Analytica Chimica Acta</i> , 2005, 531, 299-305.	2.6	44
40	Matrix Solid-Phase Dispersion as a Sample Pretreatment for the Speciation of Arsenic in Seafood Products. <i>Analytical Chemistry</i> , 2008, 80, 9272-9278.	3.2	42
41	Application of fast ultrasound water-bath assisted enzymatic hydrolysis â€“ High performance liquid chromatographyâ€“inductively coupled plasma-mass spectrometry procedures for arsenic speciation in seafood materials. <i>Journal of Chromatography A</i> , 2011, 1218, 6970-6980.	1.8	42
42	Pressurized hot water extraction coupled to solid-phase microextractionâ€“gas chromatographyâ€“mass spectrometry for the analysis of polycyclic aromatic hydrocarbons in sediments. <i>Journal of Chromatography A</i> , 2008, 1196-1197, 65-72.	1.8	41
43	Recent advances in analytical methods for the determination of 4-alkylphenols and bisphenol A in solid environmental matrices: Aâ€“critical review. <i>Analytica Chimica Acta</i> , 2018, 1024, 39-51.	2.6	41
44	C1 to C9 volatile organic compound measurements in urban air. <i>Science of the Total Environment</i> , 2004, 334-335, 167-176.	3.9	40
45	In vitro bioavailability of total selenium and selenium species from seafood. <i>Food Chemistry</i> , 2013, 139, 872-877.	4.2	40
46	Source apportionment of inorganic ions in airborne urban particles from CoruÃ±a city (N.W. of Spain) using positive matrix factorization. <i>Talanta</i> , 1999, 49, 165-178.	2.9	39
47	Fast and selective pressurized liquid extraction with simultaneous in cell clean up for the analysis of alkylphenols and bisphenol A in bivalve molluscs. <i>Journal of Chromatography A</i> , 2012, 1270, 80-87.	1.8	38
48	Multivariate optimisation of hydride generation procedures for single element determinations of As, Cd, Sb and Se in natural waters by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2001, 53, 871-883.	2.9	37
49	Development of a new sample pre-treatment procedure based on pressurized liquid extraction for the determination of metals in edible seaweed. <i>Analytica Chimica Acta</i> , 2007, 598, 95-102.	2.6	37
50	Occurrence of endocrine disrupting compounds in five estuaries of the northwest coast of Spain: Ecological and human health impact. <i>Chemosphere</i> , 2015, 131, 241-247.	4.2	37
51	Metals in airborne particulate matter in La CoruÃ±a (NW Spain). <i>Science of the Total Environment</i> , 1997, 196, 131-139.	3.9	36
52	A new method for the simultaneous determination of PAH and metals in samples of atmospheric particulate matter. <i>Atmospheric Environment</i> , 2003, 37, 4171-4175.	1.9	36
53	Pressurized liquid extraction of organometals and its feasibility for total metal extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 511-519.	5.8	36
54	Determination of major and trace elements in human scalp hair by pressurized-liquid extraction with acetic acid and inductively coupled plasmaâ€“optical-emission spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 441-449.	1.9	35

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55	On-line analysis of carbonyl compounds with derivatization in aqueous extracts of atmospheric particulate PM10 by in-tube solid-phase microextraction coupled to capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 4834-4839.	1.8	35
56	Reliable, rapid and simple method for the analysis of phthalates in sediments by ultrasonic solvent extraction followed by head space-solid phase microextraction gas chromatography mass spectrometry determination. <i>Talanta</i> , 2017, 162, 648-653.	2.9	35
57	Simultaneous determination of carbonyl compounds and polycyclic aromatic hydrocarbons in atmospheric particulate matter by liquid chromatographyâ€”diode array detectionâ€”fluorescence detection. <i>Talanta</i> , 2010, 80, 2083-2092.	2.9	34
58	Cocaine and other illicit drugs in airborne particulates in urban environments: A reflection of social conduct and population size. <i>Environmental Pollution</i> , 2011, 159, 1241-1247.	3.7	33
59	Improving methodological aspects of the analysis of five regulated haloacetic acids in water samples by solid-phase extraction, ion-pair liquid chromatography and electrospray tandem mass spectrometry. <i>Talanta</i> , 2012, 94, 90-98.	2.9	33
60	Determination of organotin compounds in waters by headspace solid phase microextraction gas chromatography triple quadrupole tandem mass spectrometry under the European Water Framework Directive. <i>Journal of Chromatography A</i> , 2015, 1385, 85-93.	1.8	33
61	Arsenic extraction in marine biological materials using pressurised liquid extraction. <i>Talanta</i> , 2007, 71, 515-520.	2.9	32
62	Microwave assisted extraction of polycyclic aromatic hydrocarbons from atmospheric particulate samples. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 367, 29-34.	1.5	31
63	Optimization of microwave-assisted extraction of hydrocarbons in marine sediments: comparison with the Soxhlet extraction method. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 366, 283-288.	1.5	30
64	Development of a programmed temperature vaporization-gas chromatographyâ€”tandem mass spectrometry method for polycyclic aromatic hydrocarbons analysis in biota samples at ultratrace levels. <i>Journal of Chromatography A</i> , 2008, 1207, 136-145.	1.8	30
65	Pressurized liquid extraction followed by high performance liquid chromatography coupled to hydride generation atomic fluorescence spectrometry for arsenic and selenium speciation in atmospheric particulate matter. <i>Journal of Chromatography A</i> , 2008, 1215, 15-20.	1.8	30
66	Direct mercury determination in aqueous slurries of environmental and biological samples by cold vapour generationâ€”electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2002, 460, 111-122.	2.6	29
67	Tin determination in marine sediment, soil, coal fly ash and coal slurried samples by hydride generation-electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2002, 461, 261-271.	2.6	29
68	A novel and cost-effective method for the determination of fifteen polycyclic aromatic hydrocarbons in low volume rainwater samples. <i>Talanta</i> , 2016, 155, 175-184.	2.9	29
69	Sphagnum palustre clone vs native Pseudoscleropodium purum : A first trial in the field to validate the future of the moss bag technique. <i>Environmental Pollution</i> , 2017, 225, 323-328.	3.7	29
70	Evergreen or deciduous trees for capturing PAHs from ambient air? A case study. <i>Environmental Pollution</i> , 2017, 221, 276-284.	3.7	29
71	Kinetics of the hydrolysis of bisphenol F diglycidyl ether in water-based food simulants. Comparison with bisphenol A diglycidyl ether. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 868-872.	2.4	28
72	Measurement of Volatile Organic Compounds in Urban Air of La CoruÃ±a, Spain. <i>Water, Air, and Soil Pollution</i> , 2001, 129, 267-288.	1.1	28

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73	Matrix solid-phase dispersion of organic compounds and its feasibility for extracting inorganic and organometallic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 110-116.	5.8	28
74	Development of an environmental friendly method for the analysis of organochlorine pesticides in sediments. <i>Chemosphere</i> , 2010, 79, 698-705.	4.2	28
75	Arsenic species determination in human scalp hair by pressurized hot water extraction and high performance liquid chromatography-inductively coupled plasma-mass spectrometry. <i>Talanta</i> , 2013, 105, 422-428.	2.9	28
76	Fast and sensitive determination of per- and polyfluoroalkyl substances in seawater. <i>Journal of Chromatography A</i> , 2018, 1555, 62-73.	1.8	28
77	Gaseous and speciated particulate emissions from the open burning of wastes from tree pruning. <i>Atmospheric Research</i> , 2019, 226, 110-121.	1.8	27
78	Identification of RP-HPLC peaks of bisphenol F and of bisphenol F diglycidyl ether and its hydrolysis products by thermospray mass spectrometry and gas chromatography/mass spectrometry. <i>Chromatographia</i> , 1992, 34, 67-72.	0.7	26
79	Determination of polycyclic aromatic hydrocarbons (PAHs) in a complex mixture by second-derivative constant-energy synchronous spectrofluorimetry. <i>Talanta</i> , 2000, 51, 677-684.	2.9	26
80	Membrane assisted solvent extraction coupled with liquid chromatography tandem mass spectrometry applied to the analysis of alkylphenols in water samples. <i>Journal of Chromatography A</i> , 2013, 1281, 46-53.	1.8	26
81	Occurrence of alkylphenols and bisphenol A in wild mussel samples from the Spanish Atlantic coast and Bay of Biscay. <i>Marine Pollution Bulletin</i> , 2016, 106, 360-365.	2.3	26
82	RP-HPLC-TSP-MS of Epoxy Resins Bisphenol A Diglycidyl Ether Type. <i>Journal of Chromatographic Science</i> , 1992, 30, 11-16.	0.7	25
83	Overall migration and specific migration of bisphenol A diglycidyl ether monomer and 4,4'-methylenebis(2-ethyl-6-tert-butyl-4-methylphenol) hardener from an optimized epoxy-amine formulation into water-based food simulants. <i>Food Additives and Contaminants</i> , 1993, 10, 555-565.	2.0	25
84	Development of an analytical scheme for the direct determination of antimony in geological materials by automated ultrasonic slurry sampling-ETAAS. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 703-710.	1.6	25
85	Automated on-line in-tube solid-phase microextraction-assisted derivatization coupled to liquid chromatography for quantifying residual dimethylamine in cationic polymers. <i>Journal of Chromatography A</i> , 2008, 1188, 118-123.	1.8	25
86	Determination of carbonyl compounds in particulate matter PM2.5 by in-tube solid-phase microextraction coupled to capillary liquid chromatography/mass spectrometry. <i>Talanta</i> , 2013, 115, 876-880.	2.9	25
87	First assessment of dioxin emissions from coal-fired power stations in Spain. <i>Chemosphere</i> , 2004, 57, 67-71.	4.2	24
88	Investigation of the source composition and temporal distribution of volatile organic compounds (VOCs) in a suburban area of the northwest of Spain using chemometric methods. <i>Atmospheric Environment</i> , 2010, 44, 5122-5132.	1.9	24
89	Analysis of endocrine disruptor compounds in marine sediments by in cell clean up-pressurized liquid extraction-liquid chromatography tandem mass spectrometry determination. <i>Analytica Chimica Acta</i> , 2014, 852, 112-120.	2.6	24
90	Selenium species determination in foods harvested in Seleniferous soils by HPLC-ICP-MS after enzymatic hydrolysis assisted by pressurization and microwave energy. <i>Food Research International</i> , 2018, 111, 621-630.	2.9	24

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91	Microwave extraction of organochlorine pesticides from soils. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 1225-1228.	1.9	23
92	Pressurized liquid extraction as a novel sample pre-treatment for trace element leaching from biological material. <i>Analytica Chimica Acta</i> , 2006, 572, 172-179.	2.6	23
93	Comparative study of atmospheric water-soluble organic aerosols composition in contrasting suburban environments in the Iberian Peninsula Coast. <i>Science of the Total Environment</i> , 2019, 648, 430-441.	3.9	23
94	The occurrence and distribution of polycyclic aromatic hydrocarbons, bisphenol A and organophosphate flame retardants in indoor dust and soils from public open spaces: Implications for human exposure. <i>Environmental Pollution</i> , 2020, 266, 115372.	3.7	23
95	Resolution of benzo[a]pyrene in complex mixtures of other polycyclic aromatic hydrocarbons. Comparison of two spectrofluorimetric methods applied to water samples. <i>Analyst</i> , 2000, 125, 1321-1326.	1.7	22
96	Development of an analytical method based on microwave-assisted extraction and solid phase extraction cleanup for the determination of organochlorine pesticides in animal feed. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 745-752.	1.9	22
97	Pressurized hot water extraction followed by miniaturized membrane assisted solvent extraction for the green analysis of alkylphenols in sediments. <i>Journal of Chromatography A</i> , 2015, 1383, 8-17.	1.8	22
98	Active Biomonitoring of Heavy Metals and PAHs with Mosses and Lichens: a Case Study in the Cities of Naples and London. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	22
99	Development of a fast and efficient method to analyze microplastics in planktonic samples. <i>Marine Pollution Bulletin</i> , 2021, 168, 112379.	2.3	22
100	Misidentification of PVC microplastics in marine environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 153, 116649.	5.8	22
101	Direct Analysis of Inorganic Anions in Samples with High Salt Content by Capillary Zone Electrophoresis. <i>Journal of Chromatographic Science</i> , 2001, 39, 397-401.	0.7	21
102	Bismuth determination in environmental samples by hydride generation?electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2003, 61, 633-642.	2.9	21
103	Ion-pair in-tube solid-phase microextraction and capillary liquid chromatography using a titania-based column: Application to the specific lauralkonium chloride determination in water. <i>Journal of Chromatography A</i> , 2012, 1248, 55-59.	1.8	21
104	Intercomparisons of Mobility Size Spectrometers and Condensation Particle Counters in the Frame of the Spanish Atmospheric Observational Aerosol Network. <i>Aerosol Science and Technology</i> , 2015, 49, 777-785.	1.5	21
105	Inhalation bioaccessibility estimation of polycyclic aromatic hydrocarbons from atmospheric particulate matter (PM10): Influence of PM10 composition and health risk assessment. <i>Chemosphere</i> , 2021, 263, 127847.	4.2	21
106	Determination of As, Bi and Se in acidified slurries of marine sediment, soil and coal samples by hydride generation electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 721-726.	1.6	20
107	Direct As, Bi, Ge, Hg and Se(IV) cold vapor/hydride generation from coal fly ash slurry samples and determination by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 883-895.	1.5	20
108	Hydride generation atomic fluorescence spectrometric determination of As, Bi, Sb, Se(IV) and Te(IV) in aqua regia extracts from atmospheric particulate matter using multivariate optimization. <i>Analytica Chimica Acta</i> , 2004, 526, 185-192.	2.6	20

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109	Analytical Methodology for the Determination of Organochlorine Pesticides in Vegetation. Journal of AOAC INTERNATIONAL, 2012, 95, 1291-1310.	0.7	20
110	Matrix solid phase dispersion method for determination of polycyclic aromatic hydrocarbons in moss. Journal of Chromatography A, 2015, 1406, 19-26.	1.8	20
111	PAH detection in Quercus robur leaves and Pinus pinaster needles: A fast method for biomonitoring purpose. Talanta, 2016, 153, 130-137.	2.9	20
112	Temporal and spatial variability of atmospheric particle number size distributions across Spain. Atmospheric Environment, 2018, 190, 146-160.	1.9	20
113	Capillary zone electrophoresis for the determination of light-absorbing anions in environmental samples. Journal of Chromatography A, 2001, 918, 411-421.	1.8	19
114	Problems in the Extraction of Polycyclic Aromatic Hydrocarbons from Diesel Particulate Matter. Polycyclic Aromatic Compounds, 2002, 22, 129-146.	1.4	19
115	Capillary electrophoretic method for the determination of inorganic and organic anions in real samples. Journal of Chromatography A, 2007, 1144, 275-278.	1.8	19
116	Occurrence of selected endocrine disrupting compounds in Iberian coastal areas and assessment of the environmental risk. Environmental Pollution, 2019, 249, 767-775.	3.7	19
117	Troubleshooting in the trace analysis of organochlorine pesticides in water samples. Chromatographia, 2001, 54, 501-506.	0.7	18
118	Assessment of methodologies for airborne BaP analysis. Science of the Total Environment, 2004, 334-335, 377-384.	3.9	18
119	Determination of organochlorine pesticides in horticultural samples by microwave assisted extraction followed by GC-ECD. International Journal of Environmental Analytical Chemistry, 2005, 85, 325-333.	1.8	18
120	ICP-MS for the determination of selenium bioavailability from seafood and effect of major food constituents. Microchemical Journal, 2013, 108, 174-179.	2.3	18
121	As, Bi, Sb and Sn determination in atmospheric particulate matter by direct solid sampling-hydride generation-electrothermal atomic absorption spectrometry. Talanta, 2007, 71, 1834-1841.	2.9	17
122	A multivariate study of the programmed temperature vaporization injection-gas chromatographic-mass spectrometric determination of polycyclic aromatic hydrocarbonsApplication to marine sediments analysis. Talanta, 2008, 74, 1096-1103.	2.9	17
123	In-Tube Solid-Phase Microextraction and Liquid Chromatography Using a Monolithic Column for the Selective Determination of Residual Ethylenediamine in Industrial Cationic Polymers. Analytical Chemistry, 2009, 81, 5827-5832.	3.2	17
124	Testing a novel biotechnological passive sampler for monitoring atmospheric PAH pollution. Journal of Hazardous Materials, 2020, 381, 120949.	6.5	17
125	Application of programmed-temperature split/splitless injection to the trace analysis of aliphatic hydrocarbons by gas chromatography. Journal of Chromatography A, 2001, 919, 363-371.	1.8	16
126	Temporal distribution, behaviour and reactivities of BTEX compounds in a suburban Atlantic area during a year. Journal of Environmental Monitoring, 2009, 11, 1216.	2.1	16

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127	A comparative study of extractant and chromatographic phases for the rapid and sensitive determination of six phthalates in rainwater samples. <i>Chemosphere</i> , 2017, 175, 52-65.	4.2	16
128	Phthalates, organotin compounds and per-polyfluoroalkyl substances in semiconfined areas of the Spanish coast: Occurrence, sources and risk assessment. <i>Science of the Total Environment</i> , 2021, 780, 146450.	3.9	16
129	Interaction between metallic species and biological substrates: approximation to possible interaction mechanisms between the alga <i>Chlorella vulgaris</i> and arsenic(III). <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 475-480.	5.8	15
130	FLAME ATOMIC ABSORPTION SPECTROMETRY WITH FLOW-INJECTION ON-LINE ADSORPTION PRECONCENTRATION USING A KNOTTED REACTOR FOR CADMIUM DETERMINATION IN AQUEOUS SAMPLES. <i>Analytical Letters</i> , 2001, 34, 1763-1779.	1.0	15
131	Optimisation of a programmed splitless injector in the gas chromatographic mass spectrometric determination of organochlorine pesticides. <i>Journal of Chromatography A</i> , 2002, 958, 17-24.	1.8	15
132	Determination of organic anions in atmospheric aerosol samples by capillary electrophoresis after reversed pre-electrophoresis. <i>Electrophoresis</i> , 2008, 29, 1347-1354.	1.3	15
133	Characterization of a long range transport pollution episode affecting PM in SW Spain. <i>Journal of Environmental Monitoring</i> , 2008, 10, 1158.	2.1	15
134	A study of large-volume on-column injection GC-ECD for the ultratrace analysis of organochlorine pesticides in water. <i>Talanta</i> , 2009, 78, 764-771.	2.9	15
135	Ion-pair in-tube solid phase microextraction for the simultaneous determination of phthalates and their degradation products in atmospheric particulate matter. <i>Journal of Chromatography A</i> , 2017, 1520, 35-47.	1.8	15
136	Comparative study of different permanently-treated graphite tubes for the determination of As, Sb, and Se in natural waters by hydride generation-electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2001, 431, 157-165.	2.6	14
137	A review of the main factors influencing the FT-IR-PLS abilities exemplified with petrochemical qualitative applications I. <i>Talanta</i> , 1997, 44, 2167-2184.	2.9	13
138	Development of a Method for Determination of Volatile Organic Compounds (C ₆ -C ₉) by Thermal Desorption-Gas Chromatography. Application to Urban and Rural Atmospheres.. <i>Analytical Letters</i> , 1999, 32, 2851-2870.	1.0	13
139	An empirical approach to update multivariate regression models intended for routine industrial use. <i>Fuel</i> , 2000, 79, 1823-1832.	3.4	13
140	Feasibility of Pressurization To Speed Up Enzymatic Hydrolysis of Biological Materials for Multielement Determinations. <i>Analytical Chemistry</i> , 2007, 79, 1797-1805.	3.2	13
141	Indirect photometric detection of anions in nonaqueous capillary electrophoresis employing Orange G as probe and a light-emitting diode-based detector. <i>Electrophoresis</i> , 2008, 29, 3032-3037.	1.3	13
142	Multi-element determinations in foods from Amazon region by ICP-MS after enzymatic hydrolysis assisted by pressurisation and microwave energy. <i>Microchemical Journal</i> , 2018, 137, 402-409.	2.3	13
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