Carlos Bendicho

List of Publications by Year
in descending order

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188 papers	7,798 citations	46918 47 h-index	69108 77 g-index
189 all docs	189 docs citations	189 times ranked	6220 citing authors

#	Article	IF	Citations
1	Covalent organic framework as adsorbent for ultrasound-assisted dispersive (micro)solid phase extraction of polycyclic synthetic fragrances from seawater followed by fluorescent determination. Analytica Chimica Acta, 2022, 1191, 339293.	2.6	20
2	Ultrasound-assisted dispersive micro-solid phase extraction of Pb(II) in water samples with in situ synthesis of magnetic Fe3O4-PbS nanocomposites followed by electrothermal atomic absorption spectrometry determination. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 188, 106349.	1.5	13
3	Bromine speciation by a paper-based sensor integrated with a citric acid/cysteamine fluorescent probe and smartphone detection. Sensors and Actuators B: Chemical, 2022, 358, 131499.	4.0	12
4	Dynamic thin-film microextraction method using cellulose platforms modified with silver nanoparticles for preconcentration of volatile hydride-forming elements prior to inductively-coupled plasma mass spectrometry determination. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 189, 106373.	1.5	11
5	Waterproof Cellulose-Based Substrates for In-Drop Plasmonic Colorimetric Sensing of Volatiles: Application to Acid-Labile Sulfide Determination in Waters. ACS Sensors, 2022, 7, 839-848.	4.0	11
6	Miniaturized analytical methods for determination of environmental contaminants of emerging concern â€“ A review. Analytica Chimica Acta, 2021, 1158, 238108.	2.6	49
7	Nanomaterial-Integrated Cellulose Platforms for Optical Sensing of Trace Metals and Anionic Species in the Environment. Sensors, 2021, 21, 604.	2.1	12
8	Greening sample preparation: An overview of cutting-edge contributions. Current Opinion in Green and Sustainable Chemistry, 2021, 30, 100481.	3.2	15
9	Assessing citric acid-derived luminescent probes for pH and ammonia sensing: A comprehensive experimental and theoretical study. Analytica Chimica Acta, 2021, 1186, 339125.	2.6	6
10	Graphene-based nanocomposites in analytical extraction processes. TrAC - Trends in Analytical Chemistry, 2021, 142, 116303.	5.8	24
11	Paper-Based Analytical Devices for Colorimetric and Luminescent Detection of Mercury in Waters: An Overview. Sensors, 2021, 21, 7571.	2.1	13
12	A paper-based colorimetric assay with non-instrumental detection for determination of boron in water samples. Talanta, 2020, 208, 120365.	2.9	23
13	A paperâ€based gas sensor for simultaneous noninstrumental colorimetric detection of nitrite and sulfide in waters. Journal of Separation Science, 2020, 43, 1908-1914.	1.3	14
14	Nanomaterials for the detection of halides and halogen oxyanions by colorimetric and luminescent techniques: A critical overview. TrAC - Trends in Analytical Chemistry, 2020, 125, 115837.	5.8	16
15	Nanoparticle-assisted stabilization of metal species as an alternative to conventional approaches for avoiding volatilization errors in total reflection X-ray fluorescence: A review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 168, 105843.	1.5	4
16	Fluorescent poly(vinylpyrrolidone)-supported copper nanoclusters in miniaturized analytical systems for iodine sensing. Sensors and Actuators B: Chemical, 2019, 299, 126979.	4.0	23
17	Solid-phase extraction of Hg(II) using cellulose filters modified with silver nanoparticles followed by pyrolysis and detection by a direct mercury analyzer. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 161, 105697.	1.5	12
18	Speciation of CdTe quantum dots and Te(IV) following oxidative degradation induced by iodide and headspace single-drop microextraction combined with graphite furnace atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 158, 105631.	1.5	16

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19	One-pot synthesis of a magnetic nanocomposite based on ultrasound-assisted co-precipitation for enrichment of Hg(II) prior to detection by a direct mercury analyzer. Talanta, 2019, 199, 449-456.	2.9	12
20	Direct immersion thin-film microextraction method based on the sorption of pyrrolidine dithiocarbamate metal chelates onto graphene membranes followed by total reflection X-ray fluorescence analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 152, 14-24.	1.5	26
21	Turnâ€“on fluorescent sensor for the detection of periodate anion following photochemical synthesis of nitrogen and sulphur coâ€“doped carbon dots from vegetables. Sensors and Actuators B: Chemical, 2019, 280, 290-297.	4.0	43
22	Speciation of gold nanoparticles and total gold in natural waters: A novel approach based on naked magnetite nanoparticles in combination with ascorbic acid. Talanta, 2019, 193, 176-183.	2.9	15
23	EDUCATIONAL WORKSHOP ON GREEN CHEMISTRY FOR UNDERGRADUATE STUDENTS: APPLICATION OF ECO-SCALE TO ANALYTICAL METHODS. EDULEARN Proceedings, 2019, , .	0.0	0
24	Ultrasound Extractions â˜†. , 2018, , .		3
25	Test for arsenic speciation in waters based on a paper-based analytical device with scanometric detection. Analytica Chimica Acta, 2018, 1011, 1-10.	2.6	50
26	Ratiometric detection of total bromine in E-waste polymers by colloidal gold-based headspace single-drop microextraction and microvolume spectrophotometry. Sensors and Actuators B: Chemical, 2018, 261, 481-488.	4.0	17
27	Gold nanorods for in-drop colorimetric determination of thiomersal after photochemical decomposition. Mikrochimica Acta, 2018, 185, 221.	2.5	9
28	Main Chemical Contaminants in Cosmetics. , 2018, , 331-383.		2
29	In situ ultrasound-assisted preparation of Fe3O4@MnO2 core-shell nanoparticles integrated with ion co-precipitation for multielemental analysis by total reflection X-ray fluorescence. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 131, 40-47.	1.5	17
30	Simultaneous ultrasound-assisted iodide oxidation and liquid-liquid microextraction for rapid quality control of iodized salts by UVâ€“vis micro-spectrophotometry. Microchemical Journal, 2017, 133, 577-582.	2.3	5
31	Speciation of inorganic As and Sb in natural waters by total reflection X-ray fluorescence following selective hydride generation and trapping onto quartz reflectors coated with nanostructured Pd. Journal of Analytical Atomic Spectrometry, 2017, 32, 1705-1712.	1.6	7
32	Headspace single-drop microextraction coupled with microvolume fluorospectrometry for highly sensitive determination of bromide. Talanta, 2017, 170, 9-14.	2.9	24
33	Natural deep eutectic solvents in combination with ultrasonic energy as a green approach for solubilisation of proteins: application to gluten determination by immunoassay. Talanta, 2017, 162, 453-459.	2.9	82
34	Unmodified gold nanoparticles for in-drop plasmonic-based sensing of iodide. Sensors and Actuators B: Chemical, 2017, 242, 940-948.	4.0	16
35	A critical assessment of ultrasound-assisted extraction as sample pre-treatment for fast determination of multielements in seafood using inductively coupled plasma mass spectrometry. Microchemical Journal, 2017, 130, 458-464.	2.3	8
36	Fundamentals of Ultrasound-Assisted Extraction. , 2017, , 291-316.		38

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37	Sewage â˜†. , 2017, , .		3
38	Liquid-phase microextraction combined with graphite furnace atomic absorption spectrometry: A review. Analytica Chimica Acta, 2016, 936, 12-39.	2.6	47
39	Headspace thin-film microextraction onto graphene membranes for specific detection of methyl(cyclopentadienyl)-tricarbonyl manganese in water samples by total reflection X-ray fluorescence. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 126, 65-70.	1.5	9
40	Nanoparticle-assisted chemical speciation of trace elements. TrAC - Trends in Analytical Chemistry, 2016, 77, 109-121.	5.8	32
41	Graphene membranes as novel preconcentration platforms for chromium speciation by total reflection X-ray fluorescence. RSC Advances, 2016, 6, 669-676.	1.7	19
42	Ultrasensitive determination of mercury in waters via photochemical vapor deposition onto quartz substrates coated with palladium nanoparticles followed by total reflection X-ray fluorescence analysis. Mikrochimica Acta, 2016, 183, 141-148.	2.5	11
43	Paper-based analytical device for instrumental-free detection of thiocyanate in saliva as a biomarker of tobacco smoke exposure. Talanta, 2016, 147, 390-396.	2.9	53
44	Luminescent assays based on carbon dots for inorganic trace analysis. Reviews in Analytical Chemistry, 2015, 34, .	1.5	5
45	Room temperature trapping of stibine and bismuthine onto quartz substrates coated with nanostructured palladium for total reflection X-ray fluorescence analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 107, 125-131.	1.5	13
46	Nanoparticle-enhanced liquid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2015, 68, 78-87.	5.8	50
47	In situ photochemical synthesis of fluorescent carbon dots for optical sensing of hydrogen peroxide and antioxidants. Talanta, 2015, 144, 1308-1315.	2.9	23
48	Facile preparation of an immobilized surfactant-free palladium nanocatalyst for metal hydride trapping: a novel sensing platform for TXRF analysis. Nanoscale, 2015, 7, 1994-2002.	2.8	14
49	In situ growth of Fe₃O₄nanoparticles for dispersive magnetic micro-solid phase extraction of cadmium followed by ETAAS detection. Analytical Methods, 2015, 7, 1154-1160.	1.3	18
50	An overview of sample preparation for the determination of parabens in cosmetics. TrAC - Trends in Analytical Chemistry, 2014, 57, 34-46.	5.8	67
51	An overview of recent advances in the application of quantum dots as luminescent probes to inorganic-trace analysis. TrAC - Trends in Analytical Chemistry, 2014, 57, 64-72.	5.8	65
52	Ultrasensitive, simple and solvent-free micro-assay for determining sulphite preservatives (E220â€“228) in foods by HS-SDME and UVâ€“vis micro-spectrophotometry. Analytical and Bioanalytical Chemistry, 2014, 406, 2133-2140.	1.9	20
53	Silver nanoparticle-assisted preconcentration of selenium and mercury on quartz reflectors for total reflection X-ray fluorescence analysis. Journal of Analytical Atomic Spectrometry, 2014, 29, 696.	1.6	18
54	In Situ Building of a Nanoprobe Based on Fluorescent Carbon Dots for Methylmercury Detection. Analytical Chemistry, 2014, 86, 4536-4543.	3.2	132

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55	Greener derivatization in analytical chemistry. TrAC - Trends in Analytical Chemistry, 2014, 61, 1-10.	5.8	58
56	Ultrasonic slurry sampling combined with total reflection X-ray spectrometry for multi-elemental analysis of coastal sediments in a ria system. Microchemical Journal, 2014, 112, 172-180.	2.3	16
57	A Solvent Microextraction Approach for Environmental Analysis: Colorimetric Assay for Phosphorus Determination in Natural Waters. Journal of Chemical Education, 2014, 91, 586-589.	1.1	7
58	Coumarins as turn on/off fluorescent probes for detection of residual acetone in cosmetics following headspace single-drop microextraction. Talanta, 2014, 129, 113-118.	2.9	24
59	Sample pretreatment strategies for total reflection X-ray fluorescence analysis: A tutorial review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 90, 23-54.	1.5	107
60	Solid-state chemiluminescence assay for ultrasensitive detection of antimony using on-vial immobilization of CdSe quantum dots combined with liquidâ€“liquidâ€“liquid microextraction. Analytica Chimica Acta, 2013, 788, 114-121.	2.6	19
61	Fast method for multielemental analysis of plants and discrimination according to the anatomical part by total reflection X-ray fluorescence spectrometry. Food Chemistry, 2013, 138, 234-241.	4.2	47
62	Insitu ultrasound-assisted synthesis of Fe3O4 nanoparticles with simultaneous ion co-precipitation for multielemental analysis of natural waters by total reflection X-ray fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 923.	1.6	24
63	Authentication of Fishery Products. Comprehensive Analytical Chemistry, 2013, 60, 657-717.	0.7	2
64	Ultrasound-assisted single extraction tests for rapid assessment of metal extractability from soils by total reflection X-ray fluorescence. Journal of Hazardous Materials, 2013, 260, 202-209.	6.5	29
65	Miniaturized and green method for determination of chemical oxygen demand using UV-induced oxidation with hydrogen peroxide and single drop microextraction. Mikrochimica Acta, 2013, 180, 1029-1036.	2.5	14
66	Current trends in liquidâ€“liquid and solidâ€“liquid extraction for cosmetic analysis: a review. Analytical Methods, 2013, 5, 323-340.	1.3	53
67	Rapid screening of polycyclic aromatic hydrocarbons (PAHs) in waters by directly suspended droplet microextraction-microvolume fluorospectrometry. Talanta, 2012, 89, 217-222.	2.9	22
68	Simplified and miniaturized procedure based on ultrasound-assisted cytosol preparation for the determination of Cd and Cu bound to metallothioneins in mussel tissue by ICP-MS. Talanta, 2012, 93, 111-116.	2.9	14
69	Dispersive liquidâ€“liquid microextraction combined with microvolume spectrophotometry to turn green the 5530 APHA standard method for determining phenols in water and wastewater. Talanta, 2012, 98, 197-202.	2.9	34
70	Fast screening of terpenes in fragrance-free cosmetics by fluorescence quenching on a fluoresceinâ€“bovine serum albumin probe confined in a drop. Analytica Chimica Acta, 2012, 719, 61-67.	2.6	11
71	Enzymatic single-drop microextraction for the assay of ethanol in alcohol-free cosmetics using microvolume fluorospectrometry detection. Analytica Chimica Acta, 2012, 733, 28-33.	2.6	25
72	Green chemistry in analytical atomic spectrometry: a review. Journal of Analytical Atomic Spectrometry, 2012, 27, 1831.	1.6	74

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73	Quantum Dots Confined in an Organic Drop as Luminescent Probes for Detection of Selenium by Microfluorospectrometry after Hydridation: Study of the Quenching Mechanism and Analytical Performance. Analytical Chemistry, 2012, 84, 4452-4459.	3.2	41
74	Use of high-intensity sonication for pre-treatment of biological tissues prior to multielemental analysis by total reflection X-ray fluorescence spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 67, 43-49.	1.5	27
75	Ultrasound-assisted pretreatment of solid samples in the context of green analytical chemistry. TrAC - Trends in Analytical Chemistry, 2012, 31, 50-60.	5.8	119
76	Quantitative Ultrasound-Assisted Extraction for Trace-Metal Determination: An Experiment for Analytical Chemistry. Journal of Chemical Education, 2011, 88, 480-483.	1.1	3
77	Quantum Dot-Based Headspace Single-Drop Microextraction Technique for Optical Sensing of Volatile Species. Analytical Chemistry, 2011, 83, 2388-2393.	3.2	46
78	Ion pair-based dispersive liquidâ€“liquid microextraction for gold determination at ppb level in solid samples after ultrasound-assisted extraction and in waters by electrothermal-atomic absorption spectrometry. Talanta, 2011, 84, 109-115.	2.9	50
79	Directly suspended droplet microextraction in combination with microvolume UVâ€“vis spectrophotometry for determination of phosphate. Talanta, 2011, 85, 1100-1104.	2.9	34
80	Ion pair-based liquid-phase microextraction combined with cuvetteless UVâ€“vis micro-spectrophotometry as a miniaturized assay for monitoring ammonia in waters. Talanta, 2011, 85, 1448-1452.	2.9	12
81	Determination of total lead and lead species according to their lability in coastal seawater by Chelex-100 titration and electrothermal-atomic absorption spectrometry. Chemical Speciation and Bioavailability, 2011, 23, 229-236.	2.0	2
82	Advances in miniaturized UV-Vis spectrometric systems. TrAC - Trends in Analytical Chemistry, 2011, 30, 1637-1648.	5.8	55
83	Determination of triclosan by cuvetteless UVâ€“vis micro-spectrophotometry following simultaneous ultrasound assisted emulsificationâ€“microextraction with derivatization: Use of a micellar-ionic liquid as extractant. Microchemical Journal, 2011, 99, 246-251.	2.3	39
84	Landâ€“ocean contributions of arsenic through a riverâ€“estuaryâ€“ria system (SW Europe) under the influence of arsenopyrite deposits in the fluvial basin. Science of the Total Environment, 2011, 412-413, 304-314.	3.9	17
85	Chapter 4. Green Sample Preparation Methods. RSC Green Chemistry, 2011, , 63-106.	0.0	6
86	Cold vapor-solid phase microextraction using amalgamation in different Pd-based substrates combined with direct thermal desorption in a modified absorption cell for the determination of Hg by atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 156-162.	1.5	33
87	Assessment of ultrasound-assisted extraction as sample pre-treatment for the measurement of lead isotope ratios in marine biological tissues by multicollector inductively coupled plasma-mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 483-488.	1.5	2
88	Liquid-phase microextraction with in-drop derivatization combined with microvolume fluorospectrometry for free and hydrolyzed formaldehyde determination in textile samples. Analytica Chimica Acta, 2011, 687, 50-55.	2.6	32
89	Ultrasound-assisted extraction of gold and silver from environmental samples using different extractants followed by electrothermal-atomic absorption spectrometry. Microchemical Journal, 2011, 97, 93-100.	2.3	41
90	Ultrasound-assisted extraction of antimony and cobalt from inorganic environmental samples using a cup-horn sonoreactor prior to their determination by electrothermal-atomic absorption spectrometry. International Journal of Environmental Analytical Chemistry, 2011, 91, 1401-1411.	1.8	4

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91	Griess micro-assay for the determination of nitrite by combining fibre optics-based cuvetteless UVâ€“Vis micro-spectrophotometry with liquid-phase microextraction. Analytica Chimica Acta, 2010, 668, 195-200.	2.6	76
92	Colorimetric assay for determination of trimethylamine-nitrogen (TMA-N) in fish by combining headspace-single-drop microextraction and microvolume UVâ€“vis spectrophotometry. Food Chemistry, 2010, 119, 402-407.	4.2	45
93	Liquid-phase microextraction techniques within the framework of green chemistry. TrAC - Trends in Analytical Chemistry, 2010, 29, 617-628.	5.8	190
94	Photochemistry-based sample treatments as greener approaches for trace-element analysis and speciation. TrAC - Trends in Analytical Chemistry, 2010, 29, 681-691.	5.8	54
95	Classification of cultivated mussels from Galicia (Northwest Spain) with European Protected Designation of Origin using trace element fingerprint and chemometric analysis. Analytica Chimica Acta, 2010, 664, 121-128.	2.6	78
96	Liquid-phase microextraction approaches combined with atomic detection: A critical review. Analytica Chimica Acta, 2010, 669, 1-16.	2.6	98
97	Ultrasound-assisted emulsification microextraction with simultaneous derivatization coupled to fibre optics-based cuvetteless UVâ€“vis micro-spectrophotometry for formaldehyde determination in cosmetic samples. Analytica Chimica Acta, 2010, 674, 59-63.	2.6	59
98	Evaluation of ultrasound-assisted extraction as sample pre-treatment for quantitative determination of rare earth elements in marine biological tissues by inductively coupled plasma-mass spectrometry. Analytica Chimica Acta, 2010, 679, 49-55.	2.6	35
99	Determination of iodate in waters by cuvetteless UVâ€“vis micro-spectrophotometry after liquid-phase microextraction. Talanta, 2010, 81, 625-629.	2.9	35
100	Simultaneous ultrasound-assisted emulsificationâ€“derivatization as a simple and miniaturized sample preparation method for determination of nitrite in cosmetic samples by microvolume UVâ€“vis spectrophotomety. Talanta, 2010, 83, 386-390.	2.9	15
101	A biogeochemical approach to understanding the accumulation patterns of trace elements in three species of dragonfly larvae: evaluation as biomonitors. Journal of Environmental Monitoring, 2010, 12, 724.	2.1	24
102	On-line UV photoreduction in a flow-injection/stopped-flow manifold for determination of mercury by cold vapour-atomic absorption spectrometry. Analytical Methods, 2010, 2, 1798.	1.3	12
103	Headspace single-drop microextraction with in situ stibine generation for the determination of antimony (III) and total antimony by electrothermal-atomic absorption spectrometry. Mikrochimica Acta, 2009, 164, 77-83.	2.5	43
104	Elemental fingerprinting of tumorous and adjacent non-tumorous tissues from patients with colorectal cancer using ICP-MS, ICP-OES and chemometric analysis. BioMetals, 2009, 22, 863-875.	1.8	49
105	Miniaturized preconcentration methods based on liquidâ€“liquid extraction and their application in inorganic ultratrace analysis and speciation: A review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 1-15.	1.5	359
106	Optimization of a single-drop microextraction method for multielemental determination by electrothermal vaporization inductively coupled plasma mass spectrometry following in situ vapor generation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 208-214.	1.5	56
107	Analytical evaluation of a cup-horn sonoreactor used for ultrasound-assisted extraction of trace metals from troublesome matrices. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 874-883.	1.5	31
108	Headspace single-drop microextraction coupled to microvolume UVâ€“vis spectrophotometry for iodine determination. Analytica Chimica Acta, 2009, 631, 223-228.	2.6	56

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109	Microvolume turbidimetry for rapid and sensitive determination of the acid labile sulfide fraction in waters after headspace single-drop microextraction with in situ generation of volatile hydrogen sulfide. Analytica Chimica Acta, 2009, 647, 112-116.	2.6	32
110	Multiple small volume microwave-assisted digestions using conventional equipment for multielemental analysis of human breast biopsies by inductively coupled plasma optical emission spectrometry. Talanta, 2009, 77, 1490-1496.	2.9	38
111	Speciation of mercury by ionic liquid-based single-drop microextraction combined with high-performance liquid chromatography-photodiode array detection. Talanta, 2009, 78, 537-541.	2.9	140
112	Ultrasound-assisted emulsification of cosmetic samples prior to elemental analysis by different atomic spectrometric techniques. Talanta, 2009, 80, 109-116.	2.9	35
113	Immersed single-drop microextraction interfaced with sequential injection analysis for determination of Cr(VI) in natural waters by electrothermal-atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 498-503.	1.5	56
114	Multielemental determination in breast cancerous and non-cancerous biopsies by inductively coupled plasma-mass spectrometry following small volume microwave-assisted digestion. Analytica Chimica Acta, 2008, 622, 77-84.	2.6	43
115	Mercury removal from contaminated water by ultrasound-promoted reduction/vaporization in a microscale reactor. Ultrasonics Sonochemistry, 2008, 15, 212-216.	3.8	20
116	Fast determination of arsenic, selenium, nickel and vanadium in fish and shellfish by electrothermal atomic absorption spectrometry following ultrasound-assisted extraction. Food Chemistry, 2008, 106, 403-409.	4.2	71
117	UV reduction with ultrasound-assisted gasâ€“liquid separation for the determination of mercury in biotissues by atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2008, 23, 1026.	1.6	32
118	Determination of total silver and silver species in coastal seawater by inductively-coupled plasma mass spectrometry after batch sorption experiments with Chelex-100 resin. Chemical Speciation and Bioavailability, 2008, 20, 217-226.	2.0	19
119	Photolytic oxidation of As species for determination of total As (including the â€˜hiddenâ€™ As fraction) in coastal seawater by hydride generation-atomic fluorescence spectrometry. Talanta, 2007, 71, 51-55.	2.9	9
120	Headspace single drop microextraction of methylcyclopentadienyl-manganese tricarbonyl from water samples followed by gas chromatographyâ€“mass spectrometry. Talanta, 2007, 74, 47-51.	2.9	23
121	Greener analytical method for determination of thiomersal (sodium ethylmercurithiosalicylate) in ophthalmic solutions using sono-induced cold vapour generation-atomic absorption spectrometry after UV/H2O2 advanced oxidation. Journal of Analytical Atomic Spectrometry, 2007, 22, 569.	1.6	29
122	Improved microwave-assisted wet digestion procedures for accurate Se determination in fish and shellfish by flow injection-hydride generation-atomic absorption spectrometry. Analytica Chimica Acta, 2007, 591, 225-230.	2.6	20
123	Green method for ultrasensitive determination of Hg in natural waters by electrothermal-atomic absorption spectrometry following sono-induced cold vapor generation and â€˜in-atomizer trappingâ€™. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 69-75.	1.5	35
124	On-line photoassisted vapour generation implemented in an automated flow-injection/stopped-flow manifold coupled to an atomic detector for determination of selenium. Journal of Analytical Atomic Spectrometry, 2006, 21, 582-587.	1.6	30
125	Hydride generation-headspace single-drop microextraction-electrothermal atomic absorption spectrometry method for determination of selenium in waters after photoassisted prereduction. Talanta, 2006, 68, 1096-1101.	2.9	99
126	Ultrasound-assisted extraction technique for establishing selenium contents in breast cancer biopsies by Zeeman-electrothermal atomic absorption spectrometry using multi-injection. Analytica Chimica Acta, 2006, 566, 29-36.	2.6	8

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127	Development of an ultrasound-assisted extraction method for biomonitoring of vanadium and nickel in the coastal environment under the influence of the Prestige fuel spill (North east Atlantic Ocean). Analytica Chimica Acta, 2006, 577, 119-125.	2.6	23
128	Ultrasound-Promoted Cold Vapor Generation in the Presence of Formic Acid for Determination of Mercury by Atomic Absorption Spectrometry. Analytical Chemistry, 2006, 78, 6260-6264.	3.2	97
129	Ultrasonic Extractionâ€“Ozonation Sequential Sample Treatment for the Determination of Arsenic in Environmental Certified Reference Materials by Hydride Generationâ€“Atomic Fluorescence Spectrometry. Spectroscopy Letters, 2006, 39, 713-725.	0.5	9
130	Depth Profile Of Trace Elements In a Sediment Core Of a High-Altitude Lake Deposit At The Pyrenees, Spain. Water, Air, and Soil Pollution, 2006, 172, 273-293.	1.1	20
131	Determination of methylmercury by electrothermal atomic absorption spectrometry using headspace single-drop microextraction with in situ hydride generation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 145-150.	1.5	65
132	Photoassisted vapor generation in the presence of organic acids for ultrasensitive determination of Se by electrothermal-atomic absorption spectrometry following headspace single-drop microextraction. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 1556-1563.	1.5	51
133	Speciation of the immediately mobilisable As(III), As(V), MMA and DMA in river sediments by high performance liquid chromatographyâ€“hydride generationâ€“atomic fluorescence spectrometry following ultrasonic extraction. Analytica Chimica Acta, 2005, 534, 121-128.	2.6	40
134	Evaluation of distribution, mobility and binding behaviour of heavy metals in surficial sediments of Louro River (Galicia, Spain) using chemometric analysis: a case study. Science of the Total Environment, 2004, 330, 115-129.	3.9	209
135	Headspace sequestration of arsine onto a Pd(II)-containing aqueous drop as a preconcentration method for electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 851-855.	1.5	62
136	Development of fast thermal programs in electrothermal atomic absorption spectrometry using hot injection and removal of the ashing stage for determination of heavy metals in sequential extracts from sediments. Analytica Chimica Acta, 2004, 508, 217-223.	2.6	7
137	Direct coupling of solid phase microextraction and quartz tube-atomic absorption spectrometry for selective and sensitive determination of methylmercury in seafood: an assessment of chloride and hydride generation. Journal of Analytical Atomic Spectrometry, 2004, 19, 250.	1.6	34
138	Mild sample pretreatment procedures based on photolysis and sonolysis-promoted redox reactions as a new approach for determination of Se(iv), Se(vi) and Se(â˜II) in model solutions by the hydride generation technique with atomic absorption and fluorescence detection. Journal of Analytical Atomic Spectrometry, 2004, 19, 1379-1385.	1.6	32
139	Evaluation of non-chromatographic approaches for speciation of extractable As(III) and As(V) in environmental solid samples by FI-HGAAS. Talanta, 2003, 59, 525-534.	2.9	28
140	Chemical sequential extraction for metal partitioning in environmental solid samples.. Journal of Environmental Monitoring, 2002, 4, 823-857.	2.1	763
141	Evaluation of Platanus occidentalis and Pinus sylvestris as Bioindicators for Lead and Cadmium by Slurry Sampling-Electrothermal Atomic Absorption Spectrometry. Journal of AOAC INTERNATIONAL, 2002, 85, 212-218.	0.7	7
142	Comparison of the standard SM&T sequential extraction method with small-scale ultrasound-assisted single extractions for metal partitioning in sediments. Analytical and Bioanalytical Chemistry, 2002, 374, 103-108.	1.9	32
143	Ultrasonic extraction combined with fast furnace analysis as an improved methodology for total selenium determination in seafood by electrothermal-atomic absorption spectrometry. Analytica Chimica Acta, 2002, 452, 217-222.	2.6	45
144	Comparison of conventional and fast thermal programme approaches for determination of total and extractable Cd in sediments by electrothermal atomic absorption spectrometry following sequential extraction. Analytica Chimica Acta, 2002, 466, 303-309.	2.6	6

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145	Operational speciation of thallium in environmental solid samples by electrothermal atomic absorption spectrometry according to the BCR sequential extraction scheme. Journal of Analytical Atomic Spectrometry, 2001, 16, 1424-1428.	1.6	17
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