

# 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	Chemical sequential extraction for metal partitioning in environmental solid samples.. Journal of Environmental Monitoring, 2002, 4, 823-857.	2.1	763
2	Miniaturized preconcentration methods based on liquid-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
3	Solid sampling in electrothermal atomic absorption spectrometry using commercial atomizers. A review. Journal of Analytical Atomic Spectrometry, 1991, 6, 353.	1.6	228
4	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
5	Liquid-phase microextraction techniques within the framework of green chemistry. TrAC - Trends in Analytical Chemistry, 2010, 29, 617-628.	5.8	190
6	Comparison of ultrasound-assisted extraction and microwave-assisted digestion for determination of magnesium, manganese and zinc in plant samples by flame atomic absorption spectrometry. Talanta, 2000, 53, 433-441.	2.9	167
7	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
8	In Situ Building of a Nanoprobe Based on Fluorescent Carbon Dots for Methylmercury Detection. Analytical Chemistry, 2014, 86, 4536-4543.	3.2	132
9	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
10	Speeding up of a three-stage sequential extraction method for metal speciation using focused ultrasound. Analytica Chimica Acta, 1998, 360, 35-41.	2.6	113
11	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
12	Hydride generation-headspace single-drop microextraction-electrothermal atomic absorption spectrometry method for determination of selenium in waters after photoassisted pre-reduction. Talanta, 2006, 68, 1096-1101.	2.9	99
13	Liquid-phase microextraction approaches combined with atomic detection: A critical review. Analytica Chimica Acta, 2010, 669, 1-16.	2.6	98
14	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
15	Analytical assessment of two sequential extraction schemes for metal partitioning in sewage sludges. Analyst, The, 1996, 121, 1479-1484.	1.7	86
16	Application of microwave extraction for partitioning of heavy metals in sewage sludge. Analytica Chimica Acta, 1999, 378, 201-210.	2.6	86
17	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
18	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

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19	Griess micro-assay for the determination of nitrite by combining fibre optics-based cuvetteless UV-Vis micro-spectrophotometry with liquid-phase microextraction. <i>Analytica Chimica Acta</i> , 2010, 668, 195-200.	2.6	76
20	Ultrasound-assisted extraction for mercury speciation by the flow injection-cold vapor technique. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 263-268.	1.6	75
21	Green chemistry in analytical atomic spectrometry: a review. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1831.	1.6	74
22	Room Temperature Sonolysis-Based Advanced Oxidation Process for Degradation of Organomercurials: Application to Determination of Inorganic and Total Mercury in Waters by Flow Injection-Cold Vapor Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 2000, 72, 4979-4984.	3.2	71
23	Fast determination of arsenic, selenium, nickel and vanadium in fish and shellfish by electrothermal atomic absorption spectrometry following ultrasound-assisted extraction. <i>Food Chemistry</i> , 2008, 106, 403-409.	4.2	71
24	An overview of sample preparation for the determination of parabens in cosmetics. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 57, 34-46.	5.8	67
25	Determination of methylmercury by electrothermal atomic absorption spectrometry using headspace single-drop microextraction with in situ hydride generation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 145-150.	1.5	65
26	An overview of recent advances in the application of quantum dots as luminescent probes to inorganic-trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 57, 64-72.	5.8	65
27	On-line high-performance liquid-chromatographic separation and cold vapor atomic absorption spectrometric determination of methylmercury and inorganic mercury. <i>Talanta</i> , 1999, 48, 477-484.	2.9	63
28	Headspace sequestration of arsine onto a Pd(II)-containing aqueous drop as a preconcentration method for electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 851-855.	1.5	62
29	Ultrasound-assisted extraction of lead from solid samples: a new perspective on the slurry-based sample preparation methods for electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1221-1226.	1.6	61
30	Ultrasound-assisted emulsification microextraction with simultaneous derivatization coupled to fibre optics-based cuvetteless UV-Vis micro-spectrophotometry for formaldehyde determination in cosmetic samples. <i>Analytica Chimica Acta</i> , 2010, 674, 59-63.	2.6	59
31	Greener derivatization in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 1-10.	5.8	58
32	Immersed single-drop microextraction interfaced with sequential injection analysis for determination of Cr(VI) in natural waters by electrothermal-atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 498-503.	1.5	56
33	Optimization of a single-drop microextraction method for multielemental determination by electrothermal vaporization inductively coupled plasma mass spectrometry following in situ vapor generation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 208-214.	1.5	56
34	Headspace single-drop microextraction coupled to microvolume UV-Vis spectrophotometry for iodine determination. <i>Analytica Chimica Acta</i> , 2009, 631, 223-228.	2.6	56
35	Total As in seafood as determined by transverse heated electrothermal atomic absorption spectrometry-longitudinal Zeeman background correction: An evaluation of automated ultrasonic slurry sampling, ultrasound-assisted extraction and microwave-assisted digestion methods. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 987-994.	1.6	55
36	Advances in miniaturized UV-Vis spectrometric systems. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1637-1648.	5.8	55

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37	The influence of pyrolysis and matrix modifiers for analysis of glass materials by GFAAS using slurry sample introduction. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1990, 45, 679-693.	1.5	54
38	Photochemistry-based sample treatments as greener approaches for trace-element analysis and speciation. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 681-691.	5.8	54
39	Ultrasonic Extraction Followed by Sonolysis and Ozonolysis as a Sample Pretreatment Method for Determination of Reactive Arsenic toward Sodium Tetrahydroborate by Flow Injection-Hydride Generation AAS. <i>Analytical Chemistry</i> , 2001, 73, 3732-3736.	3.2	53
40	Current trends in liquid-liquid and solid-liquid extraction for cosmetic analysis: a review. <i>Analytical Methods</i> , 2013, 5, 323-340.	1.3	53
41	Paper-based analytical device for instrumental-free detection of thiocyanate in saliva as a biomarker of tobacco smoke exposure. <i>Talanta</i> , 2016, 147, 390-396.	2.9	53
42	Ultrasound-assisted extraction of cadmium from slurried biological samples for electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 1285-1290.	1.6	51
43	Photoassisted vapor generation in the presence of organic acids for ultrasensitive determination of Se by electrothermal-atomic absorption spectrometry following headspace single-drop microextraction. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1556-1563.	1.5	51
44	Ion pair-based dispersive liquid-liquid microextraction for gold determination at ppb level in solid samples after ultrasound-assisted extraction and in waters by electrothermal-atomic absorption spectrometry. <i>Talanta</i> , 2011, 84, 109-115.	2.9	50
45	Nanoparticle-enhanced liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 68, 78-87.	5.8	50
46	Test for arsenic speciation in waters based on a paper-based analytical device with scanometric detection. <i>Analytica Chimica Acta</i> , 2018, 1011, 1-10.	2.6	50
47	Elemental fingerprinting of tumorous and adjacent non-tumorous tissues from patients with colorectal cancer using ICP-MS, ICP-OES and chemometric analysis. <i>BioMetals</i> , 2009, 22, 863-875.	1.8	49
48	Miniaturized analytical methods for determination of environmental contaminants of emerging concern – A review. <i>Analytica Chimica Acta</i> , 2021, 1158, 238108.	2.6	49
49	Solid-liquid extraction of copper from slurried samples using high intensity probe sonication for electrothermal atomic absorption spectrometry. <i>Talanta</i> , 1999, 50, 905-911.	2.9	47
50	Fast method for multielemental analysis of plants and discrimination according to the anatomical part by total reflection X-ray fluorescence spectrometry. <i>Food Chemistry</i> , 2013, 138, 234-241.	4.2	47
51	Liquid-phase microextraction combined with graphite furnace atomic absorption spectrometry: A review. <i>Analytica Chimica Acta</i> , 2016, 936, 12-39.	2.6	47
52	Quantum Dot-Based Headspace Single-Drop Microextraction Technique for Optical Sensing of Volatile Species. <i>Analytical Chemistry</i> , 2011, 83, 2388-2393.	3.2	46
53	Determination of cadmium and lead in mussels by electrothermal atomic absorption spectrometry using an ultrasound-assisted extraction method optimized by factorial design. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 283-288.	1.5	45
54	Ultrasonic extraction combined with fast furnace analysis as an improved methodology for total selenium determination in seafood by electrothermal-atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2002, 452, 217-222.	2.6	45

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55	Colorimetric assay for determination of trimethylamine-nitrogen (TMA-N) in fish by combining headspace-single-drop microextraction and microvolume UV-vis spectrophotometry. <i>Food Chemistry</i> , 2010, 119, 402-407.	4.2	45
56	Multielemental determination in breast cancerous and non-cancerous biopsies by inductively coupled plasma-mass spectrometry following small volume microwave-assisted digestion. <i>Analytica Chimica Acta</i> , 2008, 622, 77-84.	2.6	43
57	Headspace single-drop microextraction with in situ stibine generation for the determination of antimony (III) and total antimony by electrothermal-atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2009, 164, 77-83.	2.5	43
58	Turn-on fluorescent sensor for the detection of periodate anion following photochemical synthesis of nitrogen and sulphur co-doped carbon dots from vegetables. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 290-297.	4.0	43
59	Comparison between conventional and ultrasound accelerated Tessier sequential extraction schemes for metal fractionation in sewage sludge. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 667-672.	1.5	42
60	Comparison of Digestion Methods for Determination of Trace and Minor Metals in Plant Samples. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 5072-5077.	2.4	42
61	Ultrasound-assisted extraction of gold and silver from environmental samples using different extractants followed by electrothermal-atomic absorption spectrometry. <i>Microchemical Journal</i> , 2011, 97, 93-100.	2.3	41
62	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. <i>Analytical Chemistry</i> , 2012, 84, 4452-4459.	3.2	41
63	Speciation of the immediately mobilisable As(III), As(V), MMA and DMA in river sediments by high performance liquid chromatography-hydride generation-atomic fluorescence spectrometry following ultrasonic extraction. <i>Analytica Chimica Acta</i> , 2005, 534, 121-128.	2.6	40
64	Determination of triclosan by cuvetteless UV-vis micro-spectrophotometry following simultaneous ultrasound assisted emulsification-microextraction with derivatization: Use of a micellar-ionic liquid as extractant. <i>Microchemical Journal</i> , 2011, 99, 246-251.	2.3	39
65	Multiple small volume microwave-assisted digestions using conventional equipment for multielemental analysis of human breast biopsies by inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2009, 77, 1490-1496.	2.9	38
66	Fundamentals of Ultrasound-Assisted Extraction. , 2017, , 291-316.		38
67	Metal extraction by hydrofluoric acid from slurries of glass materials in graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1990, 45, 695-710.	1.5	36
68	Green method for ultrasensitive determination of Hg in natural waters by electrothermal-atomic absorption spectrometry following sono-induced cold vapor generation and in-atomizer trapping™. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 69-75.	1.5	35
69	Ultrasound-assisted emulsification of cosmetic samples prior to elemental analysis by different atomic spectrometric techniques. <i>Talanta</i> , 2009, 80, 109-116.	2.9	35
70	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. <i>Analytica Chimica Acta</i> , 2010, 679, 49-55.	2.6	35
71	Determination of iodate in waters by cuvetteless UV-vis micro-spectrophotometry after liquid-phase microextraction. <i>Talanta</i> , 2010, 81, 625-629.	2.9	35
72	Selective Reduction Method for Separate Determination of Inorganic and Total Mercury in Mussel Tissue by Flow-Injection Cold Vapor Technique. <i>Ecotoxicology and Environmental Safety</i> , 1999, 42, 245-252.	2.9	34

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73	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 250.	1.6	34
74	Directly suspended droplet microextraction in combination with microvolume UV-vis spectrophotometry for determination of phosphate. <i>Talanta</i> , 2011, 85, 1100-1104.	2.9	34
75	Dispersive liquid-liquid microextraction combined with microvolume spectrophotometry to turn green the 5530 APHA standard method for determining phenols in water and wastewater. <i>Talanta</i> , 2012, 98, 197-202.	2.9	34
76	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. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 156-162.	1.5	33
77	Slurry sampling combined with ultrasonic pretreatment for total mercury determination in samples containing inorganic and methylmercury by flow injection-cold vapor-atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1907-1912.	1.6	32
78	Comparison of the standard SM&T sequential extraction method with small-scale ultrasound-assisted single extractions for metal partitioning in sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 103-108.	1.9	32
79	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(IV) in model solutions by the hydride generation technique with atomic absorption and fluorescence detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1379-1385.	1.6	32
80	UV reduction with ultrasound-assisted gas-liquid separation for the determination of mercury in biotissues by atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1026.	1.6	32
81	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. <i>Analytica Chimica Acta</i> , 2009, 647, 112-116.	2.6	32
82	Liquid-phase microextraction with in-drop derivatization combined with microvolume fluorospectrometry for free and hydrolyzed formaldehyde determination in textile samples. <i>Analytica Chimica Acta</i> , 2011, 687, 50-55.	2.6	32
83	Nanoparticle-assisted chemical speciation of trace elements. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 109-121.	5.8	32
84	Analytical evaluation of a cup-horn sonoreactor used for ultrasound-assisted extraction of trace metals from troublesome matrices. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 874-883.	1.5	31
85	On-line photoassisted vapour generation implemented in an automated flow-injection/stopped-flow manifold coupled to an atomic detector for determination of selenium. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 582-587.	1.6	30
86	Optimization of digestion methods for sewage sludge using the Plackett-Burman saturated design. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 361, 164-167.	1.5	29
87	Greener analytical method for determination of thiomersal (sodium ethylmercurithiosalicylate) in ophthalmic solutions using sono-induced cold vapour generation-atomic absorption spectrometry after UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 569.	1.6	29
88	Ultrasound-assisted single extraction tests for rapid assessment of metal extractability from soils by total reflection X-ray fluorescence. <i>Journal of Hazardous Materials</i> , 2013, 260, 202-209.	6.5	29
89	Evaluation of non-chromatographic approaches for speciation of extractable As(III) and As(V) in environmental solid samples by FI-HGAAS. <i>Talanta</i> , 2003, 59, 525-534.	2.9	28
90	Use of high-intensity sonication for pre-treatment of biological tissues prior to multielemental analysis by total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 67, 43-49.	1.5	27

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91	Determination of total and inorganic mercury in biological and environmental samples with on-line oxidation coupled to flow injection-cold vapor atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 1129-1139.	1.5	26
92	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. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 152, 14-24.	1.5	26
93	Ultrasound-assisted solubilization of trace and minor metals from plant tissue using ethylenediaminetetraacetic acid in alkaline medium. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 369, 451-456.	1.5	25
94	Enzymatic single-drop microextraction for the assay of ethanol in alcohol-free cosmetics using microvolume fluorospectrometry detection. <i>Analytica Chimica Acta</i> , 2012, 733, 28-33.	2.6	25
95	Determination of tetraethyllead by solid phase microextraction-thermal desorption-quartz furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 705-709.	1.6	24
96	A biogeochemical approach to understanding the accumulation patterns of trace elements in three species of dragonfly larvae: evaluation as biomonitors. <i>Journal of Environmental Monitoring</i> , 2010, 12, 724.	2.1	24
97	In situ ultrasound-assisted synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles with simultaneous ion co-precipitation for multielemental analysis of natural waters by total reflection X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 923.	1.6	24
98	Coumarins as turn on/off fluorescent probes for detection of residual acetone in cosmetics following headspace single-drop microextraction. <i>Talanta</i> , 2014, 129, 113-118.	2.9	24
99	Headspace single-drop microextraction coupled with microvolume fluorospectrometry for highly sensitive determination of bromide. <i>Talanta</i> , 2017, 170, 9-14.	2.9	24
100	Graphene-based nanocomposites in analytical extraction processes. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 142, 116303.	5.8	24
101	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). <i>Analytica Chimica Acta</i> , 2006, 577, 119-125.	2.6	23
102	Headspace single drop microextraction of methylcyclopentadienyl-manganese tricarbonyl from water samples followed by gas chromatography-mass spectrometry. <i>Talanta</i> , 2007, 74, 47-51.	2.9	23
103	In situ photochemical synthesis of fluorescent carbon dots for optical sensing of hydrogen peroxide and antioxidants. <i>Talanta</i> , 2015, 144, 1308-1315.	2.9	23
104	Fluorescent poly(vinylpyrrolidone)-supported copper nanoclusters in miniaturized analytical systems for iodine sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126979.	4.0	23
105	A paper-based colorimetric assay with non-instrumental detection for determination of boron in water samples. <i>Talanta</i> , 2020, 208, 120365.	2.9	23
106	Use of Ultrasonic Energy for Shortening the Sequential Extraction of Metals from River Sediments. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 73, 79-92.	1.8	22
107	Rapid screening of polycyclic aromatic hydrocarbons (PAHs) in waters by directly suspended droplet microextraction-microvolume fluorospectrometry. <i>Talanta</i> , 2012, 89, 217-222.	2.9	22
108	Determination of boron in waters by using methyl borate generation and flame atomic-emission spectrometry. <i>Analyst, The</i> , 1985, 110, 1435.	1.7	21

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109	Depth Profile Of Trace Elements In a Sediment Core Of a High-Altitude Lake Deposit At The Pyrenees, Spain. <i>Water, Air, and Soil Pollution</i> , 2006, 172, 273-293.	1.1	20
110	Improved microwave-assisted wet digestion procedures for accurate Se determination in fish and shellfish by flow injection-hydride generation-atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2007, 591, 225-230.	2.6	20
111	Mercury removal from contaminated water by ultrasound-promoted reduction/vaporization in a microscale reactor. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 212-216.	3.8	20
112	Ultrasensitive, simple and solvent-free micro-assay for determining sulphite preservatives (E220) in foods by HS-SDME and UV-vis micro-spectrophotometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2133-2140.	1.9	20
113	Covalent organic framework as adsorbent for ultrasound-assisted dispersive (micro)solid phase extraction of polycyclic synthetic fragrances from seawater followed by fluorescent determination. <i>Analytica Chimica Acta</i> , 2022, 1191, 339293.	2.6	20
114	Determination of total silver and silver species in coastal seawater by inductively-coupled plasma mass spectrometry after batch sorption experiments with Chelex-100 resin. <i>Chemical Speciation and Bioavailability</i> , 2008, 20, 217-226.	2.0	19
115	Solid-state chemiluminescence assay for ultrasensitive detection of antimony using on-vial immobilization of CdSe quantum dots combined with liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2013, 788, 114-121.	2.6	19
116	Graphene membranes as novel preconcentration platforms for chromium speciation by total reflection X-ray fluorescence. <i>RSC Advances</i> , 2016, 6, 669-676.	1.7	19
117	Silver nanoparticle-assisted preconcentration of selenium and mercury on quartz reflectors for total reflection X-ray fluorescence analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 696.	1.6	18
118	In situ growth of Fe <sub>3</sub> O <sub>4</sub> nanoparticles for dispersive magnetic micro-solid phase extraction of cadmium followed by ETAAS detection. <i>Analytical Methods</i> , 2015, 7, 1154-1160.	1.3	18
119	Effect of matrix components on chromium atomization processes in graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1988, 43, 263-271.	1.5	17
120	Preconcentration of lead, cadmium and zinc on silica gel loaded with diethyldithiocarbamate prior to their determination by flame-atomic absorption spectrometry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1995, 351, 798-799.	1.5	17
121	Operational speciation of thallium in environmental solid samples by electrothermal atomic absorption spectrometry according to the BCR sequential extraction scheme. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1424-1428.	1.6	17
122	Land-ocean contributions of arsenic through a river-estuary-ria system (SW Europe) under the influence of arsenopyrite deposits in the fluvial basin. <i>Science of the Total Environment</i> , 2011, 412-413, 304-314.	3.9	17
123	In situ ultrasound-assisted preparation of Fe <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanoparticles integrated with ion co-precipitation for multielemental analysis by total reflection X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 131, 40-47.	1.5	17
124	Ratiometric detection of total bromine in E-waste polymers by colloidal gold-based headspace single-drop microextraction and microvolume spectrophotometry. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 481-488.	4.0	17
125	Determination of Copper in Mineral Waters from Galicia, Spain, by Flame Atomic Absorption Spectrometry Using Preconcentration with Diethyldithiocarbamate Loaded on Silica Gel. <i>Microchemical Journal</i> , 1997, 55, 319-325.	2.3	16
126	Ultrasonic slurry sampling combined with total reflection X-ray spectrometry for multi-elemental analysis of coastal sediments in a ria system. <i>Microchemical Journal</i> , 2014, 112, 172-180.	2.3	16



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127	Unmodified gold nanoparticles for in-drop plasmonic-based sensing of iodide. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 940-948.	4.0	16
128	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. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 158, 105631.	1.5	16
129	Nanomaterials for the detection of halides and halogen oxyanions by colorimetric and luminescent techniques: A critical overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115837.	5.8	16
130	Leaching of Heavy Metals from an Aquatic Plant ( <i>Lagarosiphon Major</i> ) used as Environmental Biomonitor by Ultrasonic Extraction. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 72, 47-57.	1.8	15
131	Simultaneous ultrasound-assisted emulsification-derivatization as a simple and miniaturized sample preparation method for determination of nitrite in cosmetic samples by microvolume UV-vis spectrophotometry. <i>Talanta</i> , 2010, 83, 386-390.	2.9	15
132	Speciation of gold nanoparticles and total gold in natural waters: A novel approach based on naked magnetite nanoparticles in combination with ascorbic acid. <i>Talanta</i> , 2019, 193, 176-183.	2.9	15
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