Joaquim A Nobrega

List of Publications by Year
in descending order

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306	7,075	76196	128067
papers	citations	40 h-index	60 g-index

313	313	313	4549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Equilibrium studies for the sorption of chromium and nickel from aqueous solutions using raw rice bran. Process Biochemistry, 2005, 40, 3485-3490.	1.8	213
2	Effect of acid concentration on closed-vessel microwave-assisted digestion of plant materials. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 2121-2132.	1.5	151
3	Determination of residual carbon by inductively-coupled plasma optical emission spectrometry with axial and radial view configurations. Analytica Chimica Acta, 2001, 445, 269-275.	2.6	118
4	Sample preparation in alkaline media. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 465-495.	1.5	109
5	Flow analysis strategies to greener analytical chemistry. An overview. Green Chemistry, 2001, 3, 216.	4.6	89
6	Focused-microwave-assisted strategies for sample preparation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1855-1876.	1.5	87
7	Acid extraction and cloud point preconcentration as sample preparation strategies for cobalt determination in biological materials by thermospray flame furnace atomic absorption spectrometry. Microchemical Journal, 2006, 82, 189-195.	2.3	86
8	Microwave-assisted digestion methods: towards greener approaches for plasma-based analytical techniques. Journal of Analytical Atomic Spectrometry, 2017, 32, 1448-1466.	1.6	86
9	Microwave-assisted digestion procedures for biological samples with diluted nitric acid: Identification of reaction products. Talanta, 2009, 79, 396-401.	2.9	85
10	Microwave-assisted digestion of organic samples: How simple can it become?. Talanta, 2012, 98, 272-276.	2.9	85
11	Direct determination of Cu, Mn, Pb, and Zn in beer by thermospray flame furnace atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 749-753.	1.5	83
12	Microwave-assisted diluted acid digestion for trace elements analysis of edible soybean products. Food Chemistry, 2015, 175, 212-217.	4.2	83
13	A critical evaluation of digestion procedures for coffee samples using diluted nitric acid in closed vessels for inductively coupled plasma optical emission spectrometry. Talanta, 2009, 78, 1378-1382.	2.9	80
14	Traditional Calibration Methods in Atomic Spectrometry and New Calibration Strategies for Inductively Coupled Plasma Mass Spectrometry. Frontiers in Chemistry, 2018, 6, 504.	1.8	78
15	Comparison of Heating Extraction Procedures for Al, Ca, Mg, and Mn in Tea Samples.. Analytical Sciences, 2002, 18, 313-318.	0.8	70
16	Evaluation of inductively coupled plasma optical emission spectrometers with axially and radially viewed configurations. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1905-1913.	1.5	70
17	Evaluation of a digestion procedure based on the use of diluted nitric acid solutions and H₂O₂for the multielement determination of whole milk powder and bovine liver by ICP-based techniques. Journal of Analytical Atomic Spectrometry, 2014, 29, 332-338.	1.6	70
18	Determination of Cr, Ni, Pb and V in gasoline and ethanol fuel by microwave plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 755.	1.6	67

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19	Pattern recognition applied to mineral characterization of Brazilian coffees and sugar-cane spirits. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 717-724.	1.5	65
20	Understanding the process of microwave-assisted digestion combining diluted nitric acid and oxygen as auxiliary reagent. Microchemical Journal, 2011, 99, 193-196.	2.3	65
21	Greening sample preparation in inorganic analysis. TrAC - Trends in Analytical Chemistry, 2013, 45, 79-92.	5.8	65
22	Multi-energy calibration applied to atomic spectrometry. Analytica Chimica Acta, 2017, 982, 31-36.	2.6	64
23	Direct determination of iron and selenium in bovine milk by graphite furnace atomic absorption spectrometry. Food Chemistry, 2003, 83, 457-462.	4.2	63
24	Direct determination of Cu and Zn in fruit juices and bovine milk by thermospray flame furnace atomic absorption spectrometry. Talanta, 2004, 64, 912-917.	2.9	63
25	Direct Determination of Major and Trace Elements in Milk by Inductively Coupled Plasma Atomic Emission and Mass Spectrometry. Journal of Analytical Atomic Spectrometry, 1997, 12, 1243-1246.	1.6	61
26	Determination of Cd and Pb in food slurries by GFAAS using cryogenic grinding for sample preparation. Analytical and Bioanalytical Chemistry, 2002, 373, 183-189.	1.9	61
27	A simple dilute-and-shoot procedure for Si determination in diesel and biodiesel by microwave-induced plasma optical emission spectrometry. Microchemical Journal, 2013, 106, 318-322.	2.3	61
28	Microwave-assisted digestion in closed vessels: effect of pressurization with oxygen on digestion process with diluted nitric acid. Analytical Methods, 2010, 2, 734.	1.3	59
29	Evaluation of oxygen pressurized microwave-assisted digestion of botanical materials using diluted nitric acid. Talanta, 2011, 83, 1324-1328.	2.9	58
30	Determination of macro- and micronutrients in plant leaves by high-resolution continuum source flame atomic absorption spectrometry combining instrumental and sample preparation strategies. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 316-320.	1.5	56
31	Improvement of microwave-assisted digestion of milk powder with diluted nitric acid using oxygen as auxiliary reagent. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 394-398.	1.5	55
32	Determination of ytterbium in animal faeces by tungsten coil electrothermal atomic absorption spectrometry. Talanta, 1998, 47, 613-623.	2.9	54
33	Slurry Nebulization in Plasmas for Analysis of Inorganic Materials. Applied Spectroscopy Reviews, 2006, 41, 427-448.	3.4	51
34	Simultaneous determination of cadmium and lead in wine by electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 1987-1993.	1.5	50
35	Focused Microwave-Induced Combustion: A New Technique for Sample Digestion. Analytical Chemistry, 2010, 82, 2155-2160.	3.2	50
36	Determination of P, S and Si in biodiesel, diesel and lubricating oil using ICP-MS/MS. Analytical Methods, 2014, 6, 4516-4520.	1.3	50

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37	Sample preparation for arsenic speciation in terrestrial plantsâ€"A review. Talanta, 2013, 115, 291-299.	2.9	48
38	UV photochemical generation of volatile cadmium species. Journal of Analytical Atomic Spectrometry, 2011, 26, 2519.	1.6	47
39	Recent developments in microwave-induced plasma optical emission spectrometry and applications of a commercial Hammer-cavity instrument. TrAC - Trends in Analytical Chemistry, 2019, 116, 151-157.	5.8	47
40	The use of silica-immobilized brown alga (Pilayella littoralis) for metal preconcentration and determination by inductively coupled plasma optical emission spectrometry. Talanta, 2003, 60, 1131-1140.	2.9	44
41	Microwave-assisted photo-Fenton decomposition of chlorfenvinphos and cypermethrin in residual water. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 32-37.	2.0	44
42	Effect of simultaneous cooling on microwave-assisted wet digestion of biological samples with diluted nitric acid and O2 pressure. Analytica Chimica Acta, 2014, 837, 16-22.	2.6	42
43	Flow-injection spectrophotometric determination of ascorbic acid in pharmaceutical products with the Prussian Blue reaction. Talanta, 1996, 43, 971-976.	2.9	41
44	REVIEW: Iodine Determination by Inductively Coupled Plasma Spectrometry. Applied Spectroscopy Reviews, 2010, 45, 447-473.	3.4	41
45	Focused microwave-induced combustion for digestion of botanical samples and metals determination by ICP OES and ICP-MS. Talanta, 2012, 94, 308-314.	2.9	41
46	Tandem mass spectrometry (ICP-MS/MS) for overcoming molybdenum oxide interferences on Cd determination in milk. Microchemical Journal, 2015, 120, 64-68.	2.3	41
47	Determination of lead in blood by tungsten coil electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1995, 50, 1469-1474.	1.5	40
48	Complex samples and spectral interferences in ICP-MS: Evaluation of tandem mass spectrometry for interference-free determination of cadmium, tin and platinum group elements. Microchemical Journal, 2017, 130, 271-275.	2.3	40
49	Direct analysis of biodiesel microemulsions using an inductively coupled plasma mass spectrometry. Microchemical Journal, 2010, 96, 146-150.	2.3	39
50	Reducing Polyatomic Interferences in the ICP-MS Determination of Chromium and Vanadium in Biofluids and Tissues. Applied Spectroscopy, 1998, 52, 205-211.	1.2	38
51	Study of the protein-bound fraction of calcium, iron, magnesium and zinc in bovine milk. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 1909-1916.	1.5	38
52	Tungsten coil atomic emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 225-229.	1.5	38
53	Advances with tungsten coil atomizers: Continuum source atomic absorption and emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 589-598.	1.5	37
54	Direct determination of Cd, Cu and Pb in wines and grape juices by thermospray flame furnace atomic absorption spectrometry. Talanta, 2008, 76, 1113-1118.	2.9	37

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55	Determination of cadmium in biological materials by tungsten coil atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1993, 8, 243-245.	1.6	36
56	Single vessel procedure for acid-vapour partial digestion in a focused microwave: Fe and Co determination in biological samples by ETAAS. Analyst, The, 2000, 125, 1861-1864.	1.7	36
57	Microwave-Assisted Acid Decomposition of Animal- and Plant-Derived Samples for Element Analysis. Journal of Agricultural and Food Chemistry, 2002, 50, 4164-4168.	2.4	36
58	Oxygen bomb combustion of biological samples for inductively coupled plasma optical emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 2195-2201.	1.5	36
59	Determination of barium in waters by tungsten coil electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1994, 9, 861.	1.6	35
60	Determination of Elements in Biological and Botanical Materials by Inductively Coupled Plasma Atomic Emission and Mass Spectrometry After Extraction With a Tertiary Amine Reagent. Journal of Analytical Atomic Spectrometry, 1997, 12, 1239-1242.	1.6	35
61	Asynchronous merging zones system: spectrophotometric determination of Fe(II) and Fe(III) in pharmaceutical products. Talanta, 1999, 49, 505-510.	2.9	35
62	Simultaneous determination of the Lanthanides by tungsten coil atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2008, 23, 361-366.	1.6	35
63	On-line electrolytic dissolution of alloys in flow injection analysis. Analytica Chimica Acta, 1988, 214, 397-400.	2.6	34
64	Determination of toxic elements in plastics from waste electrical and electronic equipment by slurry sampling electrothermal atomic absorption spectrometry. Talanta, 2010, 81, 1781-1787.	2.9	34
65	Behaviour of arsenic and selenium in an ICP-QMS with collision and reaction interface. Journal of Analytical Atomic Spectrometry, 2010, 25, 1763.	1.6	34
66	Performance evaluation of collisionâ€“reaction interface and internal standardization in quadrupole ICP-MS measurements. Talanta, 2011, 86, 241-247.	2.9	34
67	Determination of Ca, Mg, and Zn in biodiesel microemulsions by FAAS using discrete nebulization. Fuel, 2012, 93, 167-171.	3.4	34
68	Dispersive liquid-liquid microextraction based on deep eutectic solvent for elemental impurities determination in oral and parenteral drugs by inductively coupled plasma optical emission spectrometry. Analytica Chimica Acta, 2021, 1185, 339052.	2.6	34
69	Flow injection potentiometric determination of saccharin in dietary products with relocation of filtration unit. Talanta, 1994, 41, 731-734.	2.9	33
70	Chemical modifiers in a tungsten coil electrothermal atomizer.. Journal of Analytical Atomic Spectrometry, 1998, 13, 29-35.	1.6	33
71	Determination of selenium in nutritionally relevant foods by graphite furnace atomic absorption spectrometry using arsenic as internal standard. Food Chemistry, 2005, 93, 355-360.	4.2	33
72	Flow injection spectrophotometric method for chloride determination in natural waters using Hg(SCN) immobilized in epoxy resin. Talanta, 2005, 65, 965-970.	2.9	33

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73	Determination of Cd in urine by cloud point extractionâ€“tungsten coil atomic absorption spectrometry. Talanta, 2008, 76, 1252-1255.	2.9	33
74	Analysis of waste electrical and electronic equipment (WEEE) using laser induced breakdown spectroscopy (LIBS) and multivariate analysis. Talanta, 2013, 117, 419-424.	2.9	33
75	Simple and efficient elimination of copper(II) in sugar-cane spirits. Food Chemistry, 2007, 101, 33-36.	4.2	32
76	Determination of lead in medicinal plants by high-resolution continuum source graphite furnace atomic absorption spectrometry using direct solid sampling. Talanta, 2012, 100, 21-26.	2.9	32
77	Microwave-assisted digestion using dilute nitric acid solution and investigation of calibration strategies for determination of As, Cd, Hg and Pb in dietary supplements using ICP-MS. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 471-478.	1.4	32
78	Effect of modifiers on thermal behaviour of Se in acid digestates and slurries of vegetables by graphite furnace atomic absorption spectrometry. Food Chemistry, 2002, 79, 517-523.	4.2	31
79	Determination of Cd, Cr, Hg and Pb in plastics from waste electrical and electronic equipment by inductively coupled plasma mass spectrometry with collisionâ€“reaction interface technology. Journal of Hazardous Materials, 2011, 190, 833-839.	6.5	31
80	Multi-isotope calibration for inductively coupled plasma mass spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 1157-1162.	1.9	31
81	On-line electrolytic dissolution of alloys in flow-injection analysis. Part 3. Multi-elemental analysis of stainless steels by inductively coupled plasma atomic emission spectrometry. Analytica Chimica Acta, 1991, 245, 211-216.	2.6	30
82	DeterminaÃ§Ã£o direta de selÃªnio em Ã¡gua de coco e em leite de coco utilizando espectrometria de absorÃ§Ã£o atÃ´mica com atomizaÃ§Ã£o eletrotÃ©rmica em forno de grafite. Quimica Nova, 2000, 23, 310-312.	0.3	30
83	Evaluation and application of bismuth as an internal standard for the determination of lead in wines by simultaneous electrothermal atomic absorption spectrometry. Analyst, The, 2002, 127, 157-162.	1.7	30
84	Surface and gas phase temperatures of a tungsten coil atomizer. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1789-1799.	1.5	30
85	Evaluation of standard dilution analysis (SDA) of beverages and foodstuffs by ICP OES. Journal of Analytical Atomic Spectrometry, 2016, 31, 1216-1222.	1.6	29
86	Separation and preconcentration by flow injection coupled to tungsten coil electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1996, 51, 1925-1934.	1.5	28
87	Use of factorial design for optimization of microwave-assisted digestion of lubricating oil. Journal of the Brazilian Chemical Society, 2005, 16, 1269-1274.	0.6	28
88	Dilute-and-shoot procedure for the determination of mineral constituents in vinegar samples by axially viewed inductively coupled plasma optical emission spectrometry (ICP OES). Food Additives and Contaminants, 2007, 24, 130-139.	2.0	28
89	Determination of zinc and copper in human hair by slurry sampling employing sequential multi-element flame atomic absorption spectrometry. Microchemical Journal, 2007, 87, 128-131.	2.3	28
90	Green Strategies in Trace Analysis: A Glimpse of Simple Alternatives for Sample Pretreatment and Analyte Determination. Spectroscopy Letters, 2009, 42, 418-429.	0.5	28

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91	Evaluation of the use of multiple lines for determination of metals in water by inductively coupled plasma optical emission spectrometry with axial viewing. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 544-548.	1.5	28
92	Determination of trace sulfur in biodiesel and diesel standard reference materials by isotope dilution sector field inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2014, 806, 91-96.	2.6	28
93	Aerosol dilution as a simple strategy for analysis of complex samples by ICP-MS. Talanta, 2018, 178, 805-810.	2.9	28
94	Determination of mercury in agroindustrial samples by flow-injection cold vapor atomic absorption spectrometry using ion exchange and reductive elution. Talanta, 2000, 51, 587-594.	2.9	27
95	Focused microwave-assisted acid digestion of oils: an evaluation of the residual carbon content. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 1981-1985.	1.5	27
96	Evaluation of lines of boron, phosphorus and sulfur by high-resolution continuum source flame atomic absorption spectrometry for plant analysis. Microchemical Journal, 2013, 109, 134-138.	2.3	27
97	Determination of molybdenum in plants by vortex-assisted emulsification solidified floating organic drop microextraction and flame atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 86, 142-145.	1.5	27
98	Tungsten coil atomic emission spectrometry combined with dispersive liquidâ€“liquid microextraction: A synergistic association for chromium determination in water samples. Talanta, 2016, 148, 602-608.	2.9	27
99	Flow injection spectrophotometric determination of aspartame in dietary products. Analyst, The, 1994, 119, 2101-2104.	1.7	26
100	Homogenization of breakfast cereals using cryogenic grinding. Journal of Food Engineering, 2002, 51, 59-63.	2.7	26
101	Use of modifiers with metal atomizers in electrothermal AAS: a short review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 1337-1345.	1.5	26
102	Complementary FPLC-ICP-MS and MALDI-TOF for studying vanadium association to human serum proteins. Journal of Analytical Atomic Spectrometry, 2005, 20, 210-215.	1.6	26
103	A novel strategy to determine As, Cr, Hg and V in drinking water by ICP-MS/MS. Analytical Methods, 2015, 7, 1215-1220.	1.3	26
104	Atomization of Al in a tungsten coil electrothermal atomic absorption spectrophotometer. Talanta, 1999, 48, 695-703.	2.9	25
105	A new procedure for bovine milk digestion in a focused microwave oven: gradual sample addition to pre-heated acid. Talanta, 2005, 65, 505-510.	2.9	25
106	Comparison of decomposition procedures for analysis of titanium dioxide using inductively coupled plasma optical emission spectrometry. Microchemical Journal, 2002, 71, 41-48.	2.3	24
107	Determination of Total Sulfur in Agricultural Samples by High-Resolution Continuum Source Flame Molecular Absorption Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 2197-2201.	2.4	24
108	Evaluation of solid sampling high-resolution continuum source graphite furnace atomic absorption spectrometry for direct determination of chromium in medicinal plants. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 78, 58-61.	1.5	24

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109	Reactivity and analytical performance of oxygen as cell gas in inductively coupled plasma tandem mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 126, 31-36.	1.5	24
110	Multielemental Determination of As, Bi, Ge, Sb, and Sn in Agricultural Samples Using Hydride Generation Coupled to Microwave-Induced Plasma Optical Emission Spectrometry. Journal of Agricultural and Food Chemistry, 2017, 65, 4839-4842.	2.4	24
111	Evaluation of dilute-and-shoot procedure for determination of inorganic impurities in liquid pharmaceutical samples by ICP OES. Microchemical Journal, 2019, 146, 948-956.	2.3	24
112	Calculating limits of detection and defining working ranges for multi-signal calibration methods. Journal of Analytical Atomic Spectrometry, 2020, 35, 1614-1620.	1.6	24
113	Flow injection spectrophotometric determination of cyclamate in low calorie soft drinks and sweeteners. Analyst, The, 1995, 120, 2009-2012.	1.7	23
114	Determination of cadmium in hair and blood by tungsten coil electrothermal atomic absorption spectrometry with chemical modifiers. Talanta, 1999, 48, 537-549.	2.9	23
115	The use of water soluble tertiary amine reagent for solubilization and metal determination in fish muscle tissue. Journal of the Brazilian Chemical Society, 2005, 16, 69-73.	0.6	23
116	Determination and fractionation of barium in Brazil nuts. Journal of the Brazilian Chemical Society, 2009, 20, 760-769.	0.6	23
117	Ruthenium(II) Phosphine/Mercapto Complexes: Their in Vitro Cytotoxicity Evaluation and Actions as Inhibitors of Topoisomerase and Proteasome Acting as Possible Triggers of Cell Death Induction. Inorganic Chemistry, 2020, 59, 15004-15018.	1.9	23
118	Determination of dysprosium and europium in sheep faeces by graphite furnace and tungsten coil electrothermal atomic absorption spectrometry. Talanta, 2001, 55, 847-854.	2.9	22
119	A new strategy for preparation of hair slurries using cryogenic grinding and water-soluble tertiary-amines medium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 1973-1980.	1.5	22
120	Internal standardization and least-squares background correction in high-resolution continuum source flame atomic absorption spectrometry to eliminate interferences on determination of Pb in phosphoric acid. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 992-995.	1.5	22
121	Application of the interference standard method for the determination of sulfur, manganese and iron in foods by inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2011, 706, 223-228.	2.6	22
122	Calibration strategies to overcome matrix effects in laser-induced breakdown spectroscopy: Direct calcium and phosphorus determination in solid mineral supplements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 155, 90-98.	1.5	22
123	Cloud point extraction to avoid interferences by structured background on nickel determination in plant materials by FAAS. Analytical Methods, 2009, 1, 68.	1.3	21
124	Direct determination of sodium, potassium, chromium and vanadium in biodiesel fuel by tungsten coil atomic emission spectrometry. Analytica Chimica Acta, 2014, 806, 85-90.	2.6	21
125	Determination of carbon in digested samples and amino acids by inductively coupled plasma tandem mass spectrometry. Microchemical Journal, 2015, 122, 29-32.	2.3	21
126	Microwave-assisted digestion using diluted acid and base solutions for plant analysis by ICP OES. Journal of Analytical Atomic Spectrometry, 2016, 31, 337-343.	1.6	21

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127	Flow Injection Spectrophotometric Determination of Free and Total Sulfite In Wines Based on the Induced Oxidation of Manganese(II). Analytical Letters, 1998, 31, 2195-2208.	1.0	20
128	Aerosol generation of As and Se hydrides using a new Flow BlurringÂ® multiple nebulizer for sample introduction in inductively coupled plasma optical emission spectrometry. Microchemical Journal, 2014, 112, 82-86.	2.3	20
129	Microwave-assisted sample preparation of medicines for determination of elemental impurities in compliance with United States Pharmacopeia: How simple can it be?. Analytica Chimica Acta, 2019, 1065, 1-11.	2.6	20
130	Determination of cadmium and lead in mussels by tungsten coil electrothermal atomic absorption spectrometry. Talanta, 1999, 50, 967-975.	2.9	19
131	Silver as internal standard for simultaneous determination of Cd and Pb in whole blood by electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 917-922.	1.6	19
132	Fraunhofer Effect Atomic Absorption Spectrometry. Analytical Chemistry, 2005, 77, 1060-1067.	3.2	19
133	Interference standard: a new approach to minimizing spectral interferences in inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 1827.	1.6	19
134	Exploiting Mn(III)/EDTA complex in a flow system with solenoid micro-pumps coupled to long pathlength spectrophotometry for fast manganese determination. Microchemical Journal, 2011, 98, 109-114.	2.3	19
135	Combination of cool plasma and collision-reaction interface for correction of polyatomic interferences on copper signals in inductively coupled plasma quadrupole mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 389-393.	1.5	19
136	Tungsten coil electrothermal matrix decomposition and sample vaporization to determine P and Si in biodiesel by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 280-287.	1.6	19
137	Electrothermal behavior of sodium, potassium, calcium and magnesium in a tungsten coil atomizer and review of interfering effects. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 49-61.	1.5	18
138	DecomposiÃ§Ã£o de amostras de solos assistida por radiaÃ§Ã£o microondas: estratÃ©gia para evitar a formaÃ§Ã£o de fluoretos insolÃºveis. Revista Brasileira De Ciencia Do Solo, 2005, 29, 547-553.	0.5	18
139	Determination of vanadium in human hair slurries by electrothermal atomic absorption spectrometry. Talanta, 2007, 71, 1118-1123.	2.9	18
140	Inductively coupled plasma optical emission spectrometry with axially viewed configuration: an overview of applications. Journal of the Brazilian Chemical Society, 2007, 18, 678-690.	0.6	18
141	Determination of sulfur in biodiesel microemulsions using the summation of the intensities of multiple emission lines. Talanta, 2011, 84, 995-999.	2.9	18
142	Analysis of cement slurries by inductively coupled plasma optical emission spectrometry with axial viewing. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 29-33.	1.5	17
143	Focused-microwave-assisted acid digestion: Evaluation of losses of volatile elements in marine invertebrate samples. Journal of Food Composition and Analysis, 2009, 22, 238-241.	1.9	17
144	An overview of electrothermal excitation sources for atomic emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 191-198.	1.5	17

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145	Overcoming the schlieren effect in flow injection spectrophotometry by introduction of large sample volumes: determination of chloride in the electrolyte of lead-acid batteries. Journal of the Brazilian Chemical Society, 1997, 8, 625-629.	0.6	16
146	An attempt to correlate fat and protein content of biological samples with residual carbon after microwave-assisted digestion. Fresenius' Journal of Analytical Chemistry, 2001, 371, 536-540.	1.5	16
147	Use of the internal standardization for difficult sampling by graphite furnace atomic absorption spectrometry. Talanta, 2004, 64, 334-337.	2.9	16
148	Use of factorial design for evaluation of plasma conditions and comparison of two liquid sample introduction systems for an axially viewed inductively coupled plasma optical emission spectrometer. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 575-581.	1.5	16
149	Biomonitoring of lead in Antarctic lichens using laser ablation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 2238.	1.6	16
150	Interference standard applied to sulfur determination in biodiesel microemulsions by ICP-QMS. Journal of the Brazilian Chemical Society, 2012, 23, 797-803.	0.6	16
151	Axial view inductively coupled plasma optical emission spectrometry for monitoring tin concentration in canned tomato sauce samples. Food Chemistry, 2012, 131, 348-352.	4.2	16
152	Investigation of arsenic species stability by HPLC-ICP-MS in plants stored under different conditions for 12months. Microchemical Journal, 2014, 117, 122-126.	2.3	16
153	Bismuth as a general internal standard for lead in atomic absorption spectrometry. Analytica Chimica Acta, 2014, 831, 24-30.	2.6	16
154	Inductively coupled plasma mass spectrometry and standard dilution analysis applied to concentrated acids. Talanta, 2016, 161, 826-829.	2.9	16
155	Effects of multiwalled carbon nanotubes co-exposure with cadmium on zebrafish cell line: Metal uptake and accumulation, oxidative stress, genotoxicity and cell cycle. Ecotoxicology and Environmental Safety, 2020, 202, 110892.	2.9	16
156	On-Line pre-concentration of Cr(III) and Mn(II) in FI-FAAS: A critical study involving interference effects and analytical use of an immobilized 8-hydroxyquinoline minicolumn. Analytical and Bioanalytical Chemistry, 2002, 374, 131-140.	1.9	15
157	Single vessel procedure for acid vapor partial digestion of bovine liver in a focused microwave: multielement determination by ICP-OES. Talanta, 2003, 61, 81-86.	2.9	15
158	Interference standard and oxide ion detection as strategies to determine phosphorus and sulfur in fuel samples by inductively coupled plasma quadrupole mass spectrometry. Journal of Analytical Atomic Spectrometry, 2012, 27, 1274.	1.6	15
159	Evaluation of Sample Preparation Procedures for Trace Element Determination in Brazilian Propolis by Inductively Coupled Plasma Optical Emission Spectrometry and Their Discrimination According to Geographic Region. Food Analytical Methods, 2013, 6, 872-880.	1.3	15
160	Study of chemical modifiers for the determination of chromium in biological materials by tungsten coil electrothermal atomic absorption spectrometry. Fresenius' Journal of Analytical Chemistry, 1999, 364, 273-278.	1.5	14
161	Evaluation of selenium behavior in thermospray flame furnace atomic absorption spectrometry. Talanta, 2007, 73, 845-849.	2.9	14
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