JosÃ© Anchieta

List of Publications by Year
in descending order

93 papers	1,522 citations	304743 22 h-index	414414 32 g-index
93 all docs	93 docs citations	93 times ranked	1279 citing authors

#	Article	IF	Citations
1	Determination of arsenic(III) and arsenic(V) by electrothermal atomic absorption spectrometry after complexation and sorption on a C-18 bonded silica column. Talanta, 1998, 45, 1167-1175.	5.5	68
2	Multi-energy calibration applied to atomic spectrometry. Analytica Chimica Acta, 2017, 982, 31-36.	5.4	64
3	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.	2.9	56
4	Sistema de injeÃ§Ã£o em fluxo espectrofotomÃ©trico para monitorar perÃ³xido de hidrogÃªnio em processo de fotodegradaÃ§Ã£o por reaÃ§Ã£o foto-Fenton. Quimica Nova, 2001, 24, 188-190.	0.3	55
5	Simultaneous determination of cadmium and lead in wine by electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 1987-1993.	2.9	50
6	Laser-induced breakdown spectroscopy: Extending its application to soil pH measurements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 110, 96-99.	2.9	49
7	Detection and quantification of adulterants in honey by LIBS. Food Chemistry, 2020, 311, 125886.	8.2	42
8	Determinations of phosphorus in fertilizers by spark discharge-assisted laser-induced breakdown spectroscopy. Microchemical Journal, 2018, 139, 322-326.	4.5	35
9	Determination of selenium in nutritionally relevant foods by graphite furnace atomic absorption spectrometry using arsenic as internal standard. Food Chemistry, 2005, 93, 355-360.	8.2	33
10	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.	5.5	32
11	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.	8.2	31
12	Brown rice authenticity evaluation by spark discharge-laser-induced breakdown spectroscopy. Food Chemistry, 2019, 297, 124960.	8.2	31
13	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.	3.5	30
14	Fast sequential multi-element determination of Ca, Mg, K, Cu, Fe, Mn and Zn for foliar diagnosis using high-resolution continuum source flame atomic absorption spectrometry: Feasibility of secondary lines, side pixel registration and least-squares background correction. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 593-596.	2.9	28
15	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.	5.5	27
16	Evaluation of alternate lines of Fe for sequential multi-element determination of Cu, Fe, Mn and Zn in soil extracts by high-resolution continuum source flame atomic absorption spectrometry. Analytica Chimica Acta, 2008, 627, 198-202.	5.4	27
17	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.	4.5	27
18	Calcium determination in biochar-based fertilizers by laser-induced breakdown spectroscopy using sodium as internal standard. Microchemical Journal, 2017, 134, 370-373.	4.5	26

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19	Internal standard addition calibration: Determination of calcium and magnesium by atomic absorption spectrometry. Microchemical Journal, 2015, 122, 63-69.	4.5	25
20	Synthesis, characterization and application of a novel ion hybrid imprinted polymer to adsorb Cd(II) in different samples. Environmental Research, 2020, 187, 109669.	7.5	25
21	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.	5.2	24
22	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.	2.9	24
23	Expanding the potentialities of standard dilution analysis: Determination of ethanol in gasoline by Raman spectroscopy. Microchemical Journal, 2017, 133, 76-80.	4.5	24
24	Different Lubricating Oil Treatments for the Determination of Cu, Cr, Fe, Ni, Sb, Pb, and Zn by HR-CS FAAS. Analytical Letters, 2008, 41, 1555-1570.	1.8	23
25	Evaluation of Lubricating Oil Preparation Procedures for the Determination of Al, Ba, Mo, Si and V by High-Resolution Continuum Source FAAS. Analytical Sciences, 2009, 25, 95-100.	1.6	23
26	Potential of Laser Induced Breakdown Spectroscopy for analyzing the quality of unroasted and ground coffee. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 135, 29-33.	2.9	23
27	Colorimetric Determination of Sulfur Dioxide in Air Using a Droplet Collector of Malachite Green Solution. Microchemical Journal, 1999, 62, 273-281.	4.5	22
28	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.	2.9	22
29	Effect of modifiers for As, Cu and Pb determinations in sugar-cane spirits by GF AAS. Food Chemistry, 2009, 113, 1266-1271.	8.2	22
30	Determination of chlorine in cement via CaCl molecule by high-resolution continuum source graphite furnace molecular absorption spectrometry with direct solid sample analysis. Microchemical Journal, 2017, 132, 130-135.	4.5	20
31	Cytotoxic and apoptotic effects of ternary silver(<scp>i</scp>) complexes bearing 2-formylpyridine thiosemicarbazones and 1,10-phenanthroline. Dalton Transactions, 2020, 49, 5264-5275.	3.3	20
32	Feasibility of internal standardization in the direct and simultaneous determination of As, Cu and Pb in sugar-cane spirits by graphite furnace atomic absorption spectrometry. Analytica Chimica Acta, 2009, 636, 1-5.	5.4	19
33	Determination of vanadium in human hair slurries by electrothermal atomic absorption spectrometry. Talanta, 2007, 71, 1118-1123.	5.5	18
34	Evaluation of Bi as internal standard to minimize matrix effects on the direct determination of Pb in vinegar by graphite furnace atomic absorption spectrometry using Ru permanent modifier with co-injection of Pd/Mg(NO3)2. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1046-1050.	2.9	17
35	Use of the internal standardization for difficult sampling by graphite furnace atomic absorption spectrometry. Talanta, 2004, 64, 334-337.	5.5	16
36	Simultaneous and Direct Determination of As, Bi, Pb, Sb, and Se and Co, Cr, Cu, Fe, and Mn in Milk by Electrothermal Atomic Absorption Spectrometry. Food Analytical Methods, 2012, 5, 861-866.	2.6	16

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37	Bismuth as a general internal standard for lead in atomic absorption spectrometry. Analytica Chimica Acta, 2014, 831, 24-30.	5.4	16
38	Tungsten permanent chemical modifier with co-injection of Pd(NO3)2+Mg(NO3)2 for direct determination of Pb in vinegar by graphite furnace atomic absorption spectrometry. Food Chemistry, 2007, 105, 236-241.	8.2	15
39	Cobalt internal standard for Ni to assist the simultaneous determination of Mo and Ni in plant materials by high-resolution continuum source graphite furnace atomic absorption spectrometry employing direct solid sample analysis. Talanta, 2016, 152, 457-462.	5.5	15
40	Standard dilution analysis in flow system: Sodium determination by flame atomic emission spectrometry. Microchemical Journal, 2016, 124, 662-667.	4.5	15
41	Laser-induced breakdown spectroscopy determination of K in biochar-based fertilizers in the presence of easily ionizable element. Talanta, 2018, 188, 199-202.	5.5	15
42	Multi-energy calibration for the determination of non-metals by high-resolution continuum source molecular absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2019, 34, 972-978.	3.0	15
43	Prediction of black, immature and sour defective beans in coffee blends by using Laser-Induced Breakdown Spectroscopy. Food Chemistry, 2019, 278, 223-227.	8.2	15
44	Evaluation of different rhodium modifiers and coatings on the simultaneous determination of As, Bi, Pb, Sb, Se and of Co, Cr, Cu, Fe, Mn in milk by electrothermal atomic absorption spectrometry. Mikrochimica Acta, 2008, 161, 129-135.	5.0	14
45	Determination of Silicon in Lubricant Oil by High-Resolution Continuum Source Flame Atomic Absorption Spectrometry Using Least-Square Background Correction and Internal Standardization. Analytical Letters, 2011, 44, 2150-2161.	1.8	14
46	Evaluation of solid sampling for determination of Mo, Ni, Co, and V in soil by high-resolution continuum source graphite furnace atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 130, 39-44.	2.9	14
47	Simultaneous determination of phosphite and phosphate in fertilizers by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119025.	3.9	14
48	Simultaneous determination of Cu and Pb in fuel ethanol by graphite furnace AAS using tungsten permanent modifier with co-injection of Ir. Fuel, 2012, 99, 9-12.	6.4	13
49	Fast spark discharge-laser-induced breakdown spectroscopy method for rice botanic origin determination. Food Chemistry, 2020, 331, 127051.	8.2	13
50	Effect of different precursors on generation of reference spectra for structural molecular background correction by solid sampling high-resolution continuum source graphite furnace atomic absorption spectrometry: Determination of antimony in cosmetics. Talanta, 2016, 161, 547-553.	5.5	12
51	PadronizaÃ§Ã£o interna em espectrometria de absorÃ§Ã£o atÃ´mica. Quimica Nova, 2003, 26, 249-252.	0.3	11
52	Arsenic as internal standard to correct for interferences in the determination of antimony by hydride generation in situ trapping graphite furnace atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 759-763.	2.9	11
53	Internal standardization combined with dilute-and-shoot preparation of distilled alcoholic beverages for Cu determination by high-resolution continuum source flame atomic absorption spectrometry. Talanta, 2012, 92, 53-57.	5.5	11
54	Determination of vanadium in urine by electrothermal atomic absorption spectrometry using hot injection and preconcentration into the graphite tube. Journal of the Brazilian Chemical Society, 2004, 15, 676-681.	0.6	10

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55	EVALUATION OF DIFFERENT FOLIAR FERTILIZERS ON THE CROP PRODUCTION OF SUGARCANE. Journal of Plant Nutrition, 2013, 36, 459-469.	1.9	10
56	A new closed-vessel conductively heated digestion system: fostering plant analysis by inductively coupled plasma optical emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2014, 29, 825-831.	3.0	10
57	A simple and fast method for assessment of the nitrogenâ€“phosphorusâ€“potassium rating of fertilizers using high-resolution continuum source atomic and molecular absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 101, 240-244.	2.9	10
58	Determination of Ca, Cd, Cu, Fe, K, Mg, Mn, Mo, Na, Se, and Zn in Foodstuffs by Atomic Spectrometry After Sample Preparation Using a Low-Cost Closed-Vessel Conductively Heated Digestion System. Food Analytical Methods, 2016, 9, 1887-1894.	2.6	10
59	Simultaneous determination of Fe and Zn in dried blood spot by HR-CS GF AAS using solid sampling. Microchemical Journal, 2021, 160, 105637.	4.5	10
60	Internal standardization in graphite furnace atomic absorption spectrometry: Comparative use of As and Ge to minimize matrix effects on Se determination in milk. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 681-686.	2.9	9
61	Assessment of Polyatomic Interferences Elimination Using a Collision Reaction Interface (CRI) for Inorganic Analysis of Fuel Ethanol by ICP-QMS. Analytical Letters, 2012, 45, 1111-1121.	1.8	9
62	Evaluation of Lines of Phosphorus and Potassium by High-Resolution Continuum Source Flame Atomic Absorption Spectrometry for Liquid Fertilizer Analysis. Atomic Spectroscopy, 2011, 32, 56-61.	1.2	9
63	Spectrophotometric determination of phosphite in fertilizers in a flow injection system with online sample preparation. Laboratory Robotics and Automation, 2000, 12, 286-290.	0.2	7
64	Simultaneous Determination of Cadmium and Lead in Medicinal Plants Using Graphite Furnace Atomic Absorption Spectrometry and Direct Slurry Sampling. Atomic Spectroscopy, 2012, 33, 138-142.	1.2	7
65	Tungsten Permanent Chemical Modifier for Fast Estimation of Se Contents in Soil by Graphite Furnace Atomic Absorption Spectrometry. Journal of Agricultural and Food Chemistry, 2003, 51, 3920-3923.	5.2	6
66	High-throughput sugarcane leaf analysis using a low cost closed-vessel conductively heated digestion system and inductively coupled plasma optical emission spectroscopy. Analytical Methods, 2014, 6, 9503-9508.	2.7	6
67	Evaluation of an improved closed-vessel conductively heated digestion system for the analysis of raw meat samples by ICP techniques. Journal of Analytical Atomic Spectrometry, 2018, 33, 1354-1362.	3.0	6
68	AvaliaÃ§Ã£o do mÃ©todo das adiÃ§Ãµes de analito para a determinaÃ§Ã£o de sÃ³dio em Ã¡lcool combustÃvel por espestrometria de emissÃ£o atÃ´mica em chama. Ecletica Quimica, 2002, 27, 285-291.	0.5	6
69	Use of FIA systems for on-line dilution in multielement determination by ICP-MS. Laboratory Robotics and Automation, 1999, 11, 240-247.	0.2	5
70	Evaluation of the mixtures ammonium phosphate/magnesium nitrate and palladium nitrate/magnesium nitrate as modifiers for simultaneous determination of Cd, Cr, Ni and Pb in mineral water by GFAAS. Journal of the Brazilian Chemical Society, 2004, 15, 28-33.	0.6	5
71	Phosphite Determination in Fertilizers after Online Sequential Sample Preparation in a Flow Injection System. Journal of Agricultural and Food Chemistry, 2007, 55, 5980-5983.	5.2	5
72	Evaluation of modifiers for determination of V in parsley by GF AAS. Food Chemistry, 2009, 116, 1024-1028.	8.2	5

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73	Determination of copper at wide range concentrations using instrumental features of high-resolution continuum source flame atomic absorption spectrometry. Ecletica Quimica, 2010, 35, 87-92.	0.5	4
74	Liquidâ€“liquid extraction as a sample preparation procedure for the determination of Na, K, Ca, and Mg in biodiesel. Analytical Methods, 2017, 9, 5395-5399.	2.7	4
75	A user-friendly excel spreadsheet for dealing with spectroscopic and chromatographic data. Chemometrics and Intelligent Laboratory Systems, 2019, 194, 103816.	3.5	4
76	Raman spectroscopy for discriminating transgenic corns. Vibrational Spectroscopy, 2021, 112, 103183.	2.2	4
77	Emprego de nebulizador pneumÃ¡tico de ICP-MS como cÃ¢mara de diluiÃ§Ã£o em sistemas de injeÃ§Ã£o em fluxo para determinaÃ§Ãµes multielementares. Quimica Nova, 1998, 21, 405-409.	0.3	4
78	Phosphorous Determination in Biochar-Based Fertilizers by Spark Discharge-Laser-Induced Breakdown Spectroscopy. Chemosensors, 2021, 9, 337.	3.6	4
79	Elemental Analysis of Phytotherapeutic Products by Inductively Coupled Plasmaâ€“Tandem Mass Spectrometry. Analytical Letters, 2017, 50, 842-852.	1.8	3
80	CN diatomic emission for N determination by LIBS. Microchemical Journal, 2020, 157, 105107.	4.5	3
81	Dry Ashing for Signal Enhancement in Laser-Induced Breakdown Spectroscopy (LIBS). Analytical Letters, 2021, 54, 2009-2021.	1.8	3
82	Eletrodo modificado em filme de palÃ¡dio para a determinaÃ§Ã£o voltamÃ©trica de fosfito. Ecletica Quimica, 2002, 27, 161-168.	0.5	3
83	Evaluation of W-Rh permanent modifier for lead determination in sugar by graphite furnace atomic absorption spectrometry. Sensing and Instrumentation for Food Quality and Safety, 2007, 1, 176-182.	1.5	2
84	Potencialidades analÃticas do dietilditiofosfato de amÃ´nio em espectrometria de massas com plasma indutivamente acoplado empregando extraÃ§Ã£o em fase sÃ³lida e sistemas de injeÃ§Ã£o em fluxo. Ecletica Quimica, 1999, 24, 69-89.	0.5	2
85	Espectrometria de absorÃ§Ã£o atÃ´mica multielementar simultÃ¢nea com atomizaÃ§Ã£o eletrotÃ©rmica em forno de grafite - uma revisÃ£o da tÃ©cnica e aplicaÃ§Ãµes. Ecletica Quimica, 2000, 25, 213-226.	0.5	2
86	Determination of Zinc in Lubricating Oil by Flame AAS Employing Ultrasonic Extraction. Atomic Spectroscopy, 2011, 32, 240-245.	1.2	2
87	Reversible intermittent flow-injection determination of mercury in sediments and vinasses by cold vapor atomic absorption spectrometry. Laboratory Robotics and Automation, 1999, 11, 304-310.	0.2	1
88	Linear relationship between potential and concentration in flow potentiometry. Laboratory Robotics and Automation, 2000, 12, 41-45.	0.2	1
89	Direct Determination of Phosphite in Fertilizers by Amperometric Titration. Journal of Agricultural and Food Chemistry, 2009, 57, 372-374.	5.2	1
90	Fertilizer release kinetics incorporated to torrefied banana-crop residues. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	1

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91	InfluÃªncia de nitrato de palÃ¡dio, nitrato de magnÃ©sio e nitrato de nÃquel no comportamento tÃ©rmico de arsÃªnio em aÃ§Ãºcares por espectrometria de absorÃ§Ã£o atÃ´mica em forno de grafite. Ecletica Quimica, 2001, 26, 143-155.	0.5	1
92	Potencialidades e aplicaÃ§Ãµes do ligante dietilditiofosfato de amÃ´nio em anÃ¡lises quÃmicas. Ecletica Quimica, 2001, 26, 211-222.	0.5	1
93	Evaluation of nitrate as internal standard for quantitative determination of urea in urine by Raman spectroscopy. Brazilian Journal of Analytical Chemistry, 2018, 5, 22-28.	0.5	0