

Marco A Z Arruda

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189
papers

5,077
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61
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201
ext. papers

5,477
ext. citations

4.4
avg, IF

5.83
L-index

#	Paper	IF	Citations
189	Cloud Point Extraction as a Procedure of Separation and Pre-Concentration for Metal Determination Using Spectroanalytical Techniques: A Review. <i>Applied Spectroscopy Reviews</i> , 2005 , 40, 269-299	4.5	316
188	Biosorption of heavy metals using rice milling by-products. Characterisation and application for removal of metals from aqueous effluents. <i>Chemosphere</i> , 2004 , 54, 987-95	8.4	234
187	Nanoparticles applied to plant science: a review. <i>Talanta</i> , 2015 , 131, 693-705	6.2	215
186	Grape bagasse as a potential biosorbent of metals in effluent treatments. <i>Bioresource Technology</i> , 2007 , 98, 1940-6	11	172
185	Cloud point formation based on mixed micelles in the presence of electrolytes for cobalt extraction and preconcentration. <i>Talanta</i> , 2003 , 61, 759-68	6.2	128
184	Trends in metal-binding and metalloprotein analysis. <i>Talanta</i> , 2006 , 69, 1-15	6.2	124
183	Trends in Preconcentration Procedures for Metal Determination Using Atomic Spectrometry Techniques. <i>Mikrochimica Acta</i> , 2003 , 141, 115-131	5.8	119
182	Use of modified rice husks as a natural solid adsorbent of trace metals: characterisation and development of an on-line preconcentration system for cadmium and lead determination by FAAS. <i>Microchemical Journal</i> , 2004 , 77, 163-175	4.8	118
181	A fast ultrasound-assisted extraction of Ca, Mg, Mn and Zn from vegetables. <i>Microchemical Journal</i> , 2001 , 69, 37-43	4.8	102
180	Improved antibacterial activity of nanofiltration polysulfone membranes modified with silver nanoparticles. <i>Water Research</i> , 2015 , 81, 333-42	12.5	95
179	Acid extraction and cloud point preconcentration as sample preparation strategies for cobalt determination in biological materials by thermospray flame furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2006 , 82, 189-195	4.8	74
178	Direct determination of Cu, Mn, Pb, and Zn in beer by thermospray flame furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 749-753	3.1	70
177	Image analysis of two-dimensional gel electrophoresis for comparative proteomics of transgenic and non-transgenic soybean seeds. <i>Journal of Proteomics</i> , 2010 , 73, 1433-40	3.9	69
176	On-line molecularly imprinted solid phase extraction for the selective spectrophotometric determination of catechol. <i>Microchemical Journal</i> , 2007 , 85, 290-296	4.8	67
175	Preconcentration procedure using cloud point extraction in the presence of electrolyte for cadmium determination by flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 743-748	3.1	67
174	Molecularly imprinted polymer as a solid phase extractor in flow analysis. <i>Talanta</i> , 2008 , 76, 988-96	6.2	63
173	Metal contamination effects on sunflower (<i>Helianthus annuus</i> L.) growth and protein expression in leaves during development. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 8623-30	5.7	62

172	Use of ultrasonic baths for analytical applications: a new approach for optimisation conditions. <i>Journal of the Brazilian Chemical Society</i> , 2001 , 12, 57-63	1.5	62
171	Speciation analysis of selenium in plankton, Brazil nut and human urine samples by HPLC-ICP-MS. <i>Talanta</i> , 2013 , 110, 53-7	6.2	59
170	Determination of cadmium and lead at low levels by using preconcentration at fullerene coupled to thermospray flame furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004 , 59, 515-521	3.1	59
169	Determination of Cd and Pb in food slurries by GFAAS using cryogenic grinding for sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 183-9	4.4	56
168	Direct determination of Cu and Zn in fruit juices and bovine milk by thermospray flame furnace atomic absorption spectrometry. <i>Talanta</i> , 2004 , 64, 912-7	6.2	56
167	On-line separation and preconcentration of cadmium, lead and nickel in a fullerene (C 60) minicolumn coupled to flow injection tungsten coil atomic absorption spectrometry 1Presented at the Flow Analysis VII Conference held in Piracicaba, Brazil, 23-26 August 1997. 1. <i>Analytica Chimica Acta</i> , 2000 , 516, 255-260	6.6	54
166	New insights on proteomics of transgenic soybean seeds: evaluation of differential expressions of enzymes and proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 299-314	4.4	53
165	Iron insertion and hematite segregation on Fe-doped TiO ₂ nanoparticles obtained from sol-gel and hydrothermal methods. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5555-61	9.5	51
164	On-line molecularly imprinted solid-phase extraction for the selective spectrophotometric determination of nicotine in the urine of smokers. <i>Analytica Chimica Acta</i> , 2009 , 635, 102-7	6.6	51
163	Metabolic profiling of human blood serum from treated patients with bipolar disorder employing 1H NMR spectroscopy and chemometrics. <i>Analytical Chemistry</i> , 2009 , 81, 9755-63	7.8	51
162	A sensitive method for cadmium determination using an on-line polyurethane foam preconcentration system and thermospray flame furnace atomic absorption spectrometry. <i>Analytical Sciences</i> , 2004 , 20, 961-6	1.7	50
161	Vermicompost as a natural adsorbent material: characterization and potentialities for cadmium adsorption. <i>Journal of the Brazilian Chemical Society</i> , 2003 , 14, 39-47	1.5	49
160	Molecularly imprinted polymers as analyte sequesters and selective surfaces for easy ambient sonic-spray ionization. <i>Analyst, The</i> , 2010 , 135, 726-30	5	48
159	Analysis of Powdered Coffee and Milk by ICP OES after Sample Treatment with Tetramethylammonium Hydroxide. <i>Mikrochimica Acta</i> , 2003 , 141, 149-155	5.8	47
158	Simultaneous sample digestion and determination of Cd, Cu and Pb in biological samples using thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) with slurry sample introduction. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 1308-1315	3.7	43
157	Cloud point extraction applied to casein proteins of cow milk and their identification by mass spectrometry. <i>Analytica Chimica Acta</i> , 2007 , 590, 166-72	6.6	41
156	A comparative ionomic approach focusing on cadmium effects in sunflowers (<i>Helianthus annuus</i> L.). <i>Environmental and Experimental Botany</i> , 2014 , 107, 180-186	5.9	40
155	Grape bagasse as an alternative natural adsorbent of cadmium and lead for effluent treatment. <i>Journal of Hazardous Materials</i> , 2008 , 154, 1007-12	12.8	39

154	Two-dimensional difference gel electrophoresis applied for analytical proteomics: fundamentals and applications to the study of plant proteomics. <i>Analyst, The</i> , 2011 , 136, 4119-26	5	38
153	Comparative studies focusing on transgenic through cp4EPSPS gene and non-transgenic soybean plants: an analysis of protein species and enzymes. <i>Journal of Proteomics</i> , 2013 , 93, 107-16	3.9	37
152	Laser ablation (imaging) for mapping and determining Se and S in sunflower leaves. <i>Metallomics</i> , 2013 , 5, 62-7	4.5	36
151	Evaluation of proteome alterations induced by cadmium stress in sunflower (<i>Helianthus annuus</i> L.) cultures. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 119, 170-7	7	35
150	Analytical approach to the metallomic of Nile tilapia (<i>Oreochromis niloticus</i>) liver tissue by SRXRF and FAAS after 2D-PAGE separation: Preliminary results. <i>Talanta</i> , 2010 , 82, 1052-6	6.2	34
149	Evaluation of soybean seed protein extraction focusing on metalloprotein analysis. <i>Mikrochimica Acta</i> , 2007 , 158, 173-180	5.8	34
148	Apolipoprotein A-I as a candidate serum marker for the response to lithium treatment in bipolar disorder. <i>Proteomics</i> , 2011 , 11, 261-9	4.8	32
147	Evaluation of metal-ion stress in sunflower (<i>Helianthus annuus</i> L.) leaves through proteomic changes. <i>Metallomics</i> , 2009 , 1, 107-113	4.5	32
146	Metal-binding proteins scanning and determination by combining gel electrophoresis, synchrotron radiation X-ray fluorescence and atomic spectrometry. <i>Journal of Proteomics</i> , 2005 , 62, 97-109		32
145	Down-Regulation of SLC8A1 as a Putative Apoptosis Evasion Mechanism by Modulation of Calcium Levels in Penile Carcinoma. <i>Journal of Urology</i> , 2015 , 194, 245-51	2.5	30
144	An aqueous two-phase system as a strategy for serum albumin depletion. <i>Talanta</i> , 2009 , 77, 985-90	6.2	30
143	Mechanization of the Bradford reaction for the spectrophotometric determination of total proteins. <i>Analytical Biochemistry</i> , 2006 , 351, 155-7	3.1	30
142	Paper-based microfluidic devices on the crime scene: A simple tool for rapid estimation of post-mortem interval using vitreous humour. <i>Analytica Chimica Acta</i> , 2017 , 974, 69-74	6.6	29
141	LA-iMageS: a software for elemental distribution bioimaging using LA-ICP-MS data. <i>Journal of Cheminformatics</i> , 2016 , 8, 65	8.6	29
140	A quantitative approach for Cd, Cu, Fe and Mn through laser ablation imaging for evaluating the translocation and accumulation of metals in sunflower seeds. <i>Talanta</i> , 2017 , 167, 317-324	6.2	28
139	Effects of combined use of light irradiation and 35% hydrogen peroxide for dental bleaching on human enamel mineral content. <i>Photomedicine and Laser Surgery</i> , 2010 , 28, 533-8		28
138	Metalloproteomics as an interdisciplinary area involving proteins and metals. <i>Expert Review of Proteomics</i> , 2010 , 7, 387-400	4.2	28
137	Quantitation of drugs via molecularly imprinted polymer solid phase extraction and electrospray ionization mass spectrometry: benzodiazepines in human plasma. <i>Analyst, The</i> , 2011 , 136, 3753-7	5	28

136	Sample preparation for metalloprotein analysis: A case study using horse chestnuts. <i>Talanta</i> , 2007 , 71, 1958-63	6.2	28
135	A comparative study of element concentrations and binding in transgenic and non-transgenic soybean seeds. <i>Metallomics</i> , 2010 , 2, 800-5	4.5	27
134	Factorial Design and Doehlert Matrix in Optimization of Flow System for Preconcentration of Copper on Polyurethane Foam Loaded with 4-(2-Pyridylazo)-resorcinol. <i>Analytical Letters</i> , 2004 , 37, 1437-1455	2.2	27
133	Bile and liver metallothionein behavior in copper-exposed fish. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014 , 28, 70-4	4.1	26
132	Inhibition of bacterial adhesion on cellulose acetate membranes containing silver nanoparticles. <i>Cellulose</i> , 2015 , 22, 3895-3906	5.5	25
131	Evaluation of Medicinal Plant Decomposition Efficiency Using Microwave Ovens and Mini-Vials for Cd Determination by TS-FF-AAS. <i>Mikrochimica Acta</i> , 2005 , 150, 283-290	5.8	25
130	Online Preconcentration/Determination of Cadmium Using Grape Bagasse in a Flow System Coupled to Thermospray Flame Furnace Atomic Absorption Spectrometry. <i>Spectroscopy Letters</i> , 2006 , 39, 755-768	1.1	24
129	Comparative metallomics for transgenic and non-transgenic soybeans. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 1501	3.7	23
128	Determination of Cd, Cu, and Pb after Cloud Point Extraction using Multielemental Sequential Determination by Thermospray Flame Furnace Atomic Absorption Spectrometry (TS-FF-AAS). <i>Separation Science and Technology</i> , 2008 , 43, 815-827	2.5	22
127	Tree rings reveal the reduction of Cd, Cu, Ni and Pb pollution in the central region of Sã Paulo, Brazil. <i>Environmental Pollution</i> , 2018 , 242, 320-328	9.3	21
126	Metallomic study on plasma samples from Nile tilapia using SR-XRF and GFAAS after separation by 2D PAGE: initial results. <i>Mikrochimica Acta</i> , 2011 , 173, 43-49	5.8	21
125	Evaluation of sample preparation protocols for proteomic analysis of sunflower leaves. <i>Talanta</i> , 2010 , 80, 1545-51	6.2	21
124	Description of the thermospray formed at low flow rate in thermospray flame furnace atomic absorption spectrometry based on high-speed images. <i>Analytical Chemistry</i> , 2007 , 79, 6527-33	7.8	21
123	River Sediment Analysis by Slurry Sampling FAAS: Determination of Copper, Zinc and Lead. <i>Journal of the Brazilian Chemical Society</i> , 2001 , 12, 799-803	1.5	21
122	Depleting high-abundant and enriching low-abundant proteins in human serum: An evaluation of sample preparation methods using magnetic nanoparticle, chemical depletion and immunoaffinity techniques. <i>Talanta</i> , 2017 , 170, 199-209	6.2	20
121	Laser ablation and inductively coupled plasma mass spectrometry focusing on bioimaging from elemental distribution using MatLab software: a practical guide. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 832-840	3.7	20
120	Acute selenium selenite exposure effects on oxidative stress biomarkers and essential metals and trace-elements in the model organism zebrafish (<i>Danio rerio</i>). <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 33, 68-72	4.1	20
119	Simplifying the human serum proteome for discriminating patients with bipolar disorder of other psychiatry conditions. <i>Clinical Biochemistry</i> , 2017 , 50, 1118-1125	3.5	20

118	Determination of aluminum in slurry and liquid phase of juices by flow injection analysis graphite furnace atomic absorption spectrometry. <i>Analytical Chemistry</i> , 1993 , 65, 3331-3335	7.8	20
117	Evaluation of some effects on plant metabolism through proteins and enzymes in transgenic and non-transgenic soybeans after cultivation with silver nanoparticles. <i>Journal of Proteomics</i> , 2019 , 191, 88-106	3.9	20
116	Rapid microwave assisted extraction of meat lipids. <i>Food Research International</i> , 2015 , 78, 124-130	7	19
115	Improving metallomics information related to transgenic and non-transgenic soybean seeds using 2D-HPLC-ICP-MS and ESI-MS/MS. <i>Metallomics</i> , 2012 , 4, 373-8	4.5	19
114	Application of Kohonen neural network to exploratory analyses of synchrotron radiation x-ray fluorescence measurements of sunflower metalloproteins. <i>X-Ray Spectrometry</i> , 2007 , 36, 122-129	0.9	19
113	Determination of bismuth in metallurgical materials using a quartz tube atomizer with tungsten coil and flow injection-hydride-generation atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002 , 57, 2113-2120	3.1	19
112	Determination of zinc in plants by flow injection spectrophotometry with ion-exchange separation. <i>Analyst, The</i> , 1990 , 115, 779	5	19
111	Amostragem de suspensões: Emprego da técnica na análise direta de amostras. <i>Quimica Nova</i> , 1998 , 21, 459-466	1.6	19
110	In vitro oral bioaccessibility and total content of Cu, Fe, Mn and Zn from transgenic (through cp4 EPSPS gene) and nontransgenic precursor/successor soybean seeds. <i>Food Chemistry</i> , 2017 , 225, 125-131	8.5	18
109	Metal furnace heated by flame as a hydride atomizer for atomic absorption spectrometry: Sb determination in environmental and pharmaceutical samples. <i>Talanta</i> , 2007 , 73, 621-8	6.2	18
108	Emprego de planejamento fatorial para a otimização das temperaturas de pirólise e atomização de Al, Cd, Mo e Pb por ETAAS. <i>Quimica Nova</i> , 2002 , 25, 246-253	1.6	18
107	Evaluation of silicon influence on the mitigation of cadmium-stress in the development of <i>Arabidopsis thaliana</i> through total metal content, proteomic and enzymatic approaches. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 44, 50-58	4.1	17
106	On-line microwave slurry sample digestion using flow systems for the spectrophotometric determination of iron in seafood. <i>Analyst, The</i> , 1998 , 123, 1023-1028	5	17
105	Ultrasound-assisted extraction of Ca, K and Mg from in vitro citrus culture. <i>Journal of the Brazilian Chemical Society</i> , 2003 , 14, 470-474	1.5	17
104	Application of laser ablation (imaging) inductively coupled plasma mass spectrometry for mapping and quantifying Fe in transgenic and non-transgenic soybean leaves. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 389-395	3.7	16
103	Hydride generation using a metallic atomizer after microwave-assisted extraction for inorganic arsenic speciation in biological samples. <i>Talanta</i> , 2013 , 104, 187-92	6.2	16
102	Comparative proteomics and metallomics studies in <i>Arabidopsis thaliana</i> leaf tissues: evaluation of the selenium addition in transgenic and nontransgenic plants using two-dimensional difference gel electrophoresis and laser ablation imaging. <i>Proteomics</i> , 2014 , 14, 904-12	4.8	16
101	Direct and non-destructive proof of authenticity for the 2nd generation of Brazilian real banknotes via easy ambient sonic spray ionization mass spectrometry. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014 , 54, 459-64	2	16

100	Thermospray flame furnace atomic absorption spectrometry for determination of silver in biological materials. <i>Talanta</i> , 2012 , 97, 395-9	6.2	16
99	Application of the Slurry Technique to the Determination of Selenium in Fish Samples by Electrothermal Atomic Absorption Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997 , 12, 375-378	3.7	16
98	A metallic furnace atomizer in hydride generation atomic absorption spectrometry: Determination of bismuth and selenium. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 850-855	3.1	16
97	Flow-through microwave digestion system for the determination of aluminium in shellfish by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995 , 10, 501-504	3.7	16
96	Preconcentration of Cd(II) and Pb(II) Using Humic Substances and Flow Systems Coupled to Flame Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 2004 , 146, 215-222	5.8	15
95	OnLine Coupling of a Flow Injection System to TS-FF-AAS for Preconcentration and Determination of Lead in Water and Vegetables. <i>Analytical Letters</i> , 2005 , 38, 1427-1443	2.2	15
94	Mechanised flow system for on-line microwave digestion of food samples with off-line catalytic spectrophotometric determination of cobalt at ng l ⁻¹ levels. <i>Analyst, The</i> , 1999 , 124, 1873-7	5	15
93	Behaviour of the oxidant scavenger metallothionein in hypoxia-induced neotropical fish. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 103, 24-8	7	14
92	Direct determination of lead in sweet fruit-flavored powder drinks by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998 , 53, 601-611	3.1	14
91	Classification of Antarctic algae by applying Kohonen neural network with 14 elements determined by inductively coupled plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 725-730	3.1	14
90	Automatic preparation of milk dessert slurries for the determination of trace amounts of aluminium by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995 , 10, 55-59	3.7	14
89	Direct analysis of milk for aluminium using electrothermal atomic absorption spectrometry. <i>Analyst, The</i> , 1994 , 119, 1695-9	5	14
88	Inductively coupled plasma mass spectrometry based platforms for studies involving nanoparticle effects in biological samples. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 3, e8726	2.2	13
87	Evaluation of changes in the macro and micronutrients homeostasis of transgenic and non-transgenic soybean plants after cultivation with silver nanoparticles through ionic approaches. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018 , 48, 181-187	4.1	13
86	Metals and (metallo)proteins identification in vitreous humor focusing on post-mortem biochemistry. <i>Metallomics</i> , 2014 , 6, 1801-7	4.5	13
85	Identification of selenium in the leaf protein of sunflowers by a combination of 2D-PAGE and laser ablation ICP-MS. <i>Mikrochimica Acta</i> , 2012 , 176, 131-136	5.8	13
84	Evaluation of sunflower metabolism from zinc and selenium addition to the culture: A comparative metallomic study. <i>International Journal of Mass Spectrometry</i> , 2011 , 307, 55-60	1.9	13
83	Exploratory analysis of the serum ionic profile for bipolar disorder and lithium treatment. <i>International Journal of Mass Spectrometry</i> , 2011 , 307, 182-184	1.9	13

82	Direct analysis of Antarctic krill by slurry sampling: determination of copper, iron, manganese and zinc by flame atomic absorption spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2000 , 11, 365-370	1.5	13
81	ICP-MS and trace element analysis as tools for better understanding medical conditions. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 133, 116094	14.6	13
80	Bipolar disorder: recent advances and future trends in bioanalytical developments for biomarker discovery. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 661-7	4.4	12
79	Mecaniza no preparo de amostras por microondas: o estado da arte. <i>Quimica Nova</i> , 1997 , 20, 638	1.6	12
78	Microwave-assisted decomposition of polyacrylamide gels containing metalloproteins using mini-vials: an auxiliary strategy for metallomics studies. <i>Analytical Biochemistry</i> , 2007 , 361, 146-8	3.1	12
77	Espectrometria de absor atmica com atomiza eletrotmica em filamento de tungstnio: uma re-vis crtica. <i>Quimica Nova</i> , 2002 , 25, 396-405	1.6	12
76	Determination of selenium in fruit juices by flow injection electrothermal atomization atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994 , 9, 657-662	3.7	12
75	Proteomics strategies for bipolar disorder evaluation: From sample preparation to validation. <i>Journal of Proteomics</i> , 2016 , 145, 187-196	3.9	12
74	Therospray generation directly into a flame furnace--an alternative to improve the detection power in atomic absorption spectrometry. <i>Talanta</i> , 2010 , 82, 437-43	6.2	11
73	Therospray nebulization for flame furnace atomic absorption spectrometry [Correlations between spray formation and cadmium analytical sensitivity. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 89-94	3.1	11
72	A sequential injection system for indirect spectrophotometric determination of lactic acid in yogurt and fermented mash samples. <i>Microchemical Journal</i> , 2010 , 96, 151-156	4.8	11
71	Metals distribution and investigation of L'vov platform surface using principal component analysis, multi-way principal component analysis, micro synchrotron radiation X-ray fluorescence spectrometry and scanning electron microscopy after the determination of Al in a milk slurry	3.1	11
70	Semi-on-line microwave-assisted digestion of shellfish tissue for the determination of selenium by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1996 , 11, 169-173	3.7	11
69	The importance of evaluating the real metal concentration in nanoparticles post-synthesis for their applications: A case-study using silver nanoparticles. <i>Talanta</i> , 2016 , 146, 795-800	6.2	10
68	Metal ions bound to the human milk immunoglobulin A: metalloproteomic approach. <i>Food Chemistry</i> , 2015 , 166, 492-497	8.5	10
67	Evaluation of Fe uptake and translocation in transgenic and non-transgenic soybean plants using enriched stable (57)Fe as a tracer. <i>Metallomics</i> , 2014 , 6, 1832-40	4.5	10
66	Expanding resolution of metalloprotein separations from soybean seeds using 2D-HPLC-ICP-MS and SDS-PAGE as a third dimension. <i>Journal of Proteomics</i> , 2014 , 104, 94-103	3.9	10
65	Ion mobility mass spectrometry: an elegant alternative focusing on speciation studies. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 201-206	3.7	10

64	A quartz tube atomizer with tungsten coil: a new system for vapor atomization in atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 1516-1522	3.7	10
63	Quantifying proteins at microgram levels integrating gel electrophoresis and smartphone technology. <i>Journal of Proteomics</i> , 2019 , 198, 45-49	3.9	10
62	Ultrasonic-based membrane aided sample preparation of urine proteomes. <i>Talanta</i> , 2018 , 178, 864-869	6.2	9
61	Expanding the information about the influence of cadmium on the metabolism of sunflowers: Evaluation of total, bioavailable, and bioaccessible content and metallobiomolecules in sunflower seeds. <i>Environmental and Experimental Botany</i> , 2016 , 125, 87-97	5.9	9
60	Use of experimental design in the optimisation of a solid phase preconcentration system for Cobalt determination by GFAAS. <i>Eletica Quimica</i> , 2005 , 30, 65-74	2.6	9
59	Direct Analysis of Coffee and Tea for Aluminium Determination by Electrothermal Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 1999 , 132, 95-100	5.8	9
58	Elemental fingerprinting of schizophrenia patient blood plasma before and after treatment with antipsychotics. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2018 , 268, 565-570	5.1	8
57	Internal standard evaluation for bioimaging soybean leaves through laser ablation inductively coupled plasma mass spectrometry: a plant nanotechnology approach. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1720-1728	3.7	8
56	Determination of tin and lead in sediment slurries by graphite furnace atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2009 , 164, 445-451	5.8	8
55	Determina de cromo (VI) por espectrometria de absor atica com chama ap a extra e prconcentra no ponto nuvem. <i>Eletica Quimica</i> , 2006 , 31, 73-80	2.6	8
54	On-line coupling of physiologically relevant bioaccessibility testing to inductively coupled plasma spectrometry: Proof of concept for fast assessment of gastrointestinal bioaccessibility of micronutrients from soybeans. <i>Analytica Chimica Acta</i> , 2016 , 939, 1-9	6.6	8
53	Association between trace elements in serum from bipolar disorder and schizophrenia patients considering treatment effects. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 59, 126467	4.1	7
52	Evaluation of differential protein expression in <i>Haliclona aquarius</i> and sponge-associated microorganisms under cadmium stress. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7661-70	4.4	7
51	Sample preparation focusing on plant proteomics: extraction, evaluation and identification of proteins from sunflower seeds. <i>Analytical Methods</i> , 2013 , 5, 116-123	3.2	7
50	Atomic spectrometry based on metallic tube atomizers heated by flame: Innovative strategies from fundamentals to analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 477-481	3.1	7
49	Improvements in cobalt determination by thermospray flame furnace atomic absorption spectrometry using an on-line derivatization strategy. <i>Talanta</i> , 2008 , 76, 475-8	6.2	7
48	On-line bi-directional electrostacking for As speciation/preconcentration using electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2007 , 71, 353-8	6.2	7
47	Evaluation of zirconium as a permanent chemical modifier using synchrotron radiation and imaging techniques for lithium determination in sediment slurry samples by ET AAS. <i>Talanta</i> , 2004 , 62, 619-26	6.2	7

46	Evaluation of genetically modified <i>Arabidopsis thaliana</i> through metallomic and enzymatic approaches focusing on mass spectrometry-based platforms. <i>International Journal of Mass Spectrometry</i> , 2017 , 418, 6-14	1.9	6
45	In vitro gastrointestinal digestion to evaluate the total, bioaccessible and bioavailable concentrations of iron and manganese in açaí (<i>Euterpe oleracea</i> Mart.) pulps. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 53, 27-33	4.1	6
44	Spatial-temporal variability of metal pollution across an industrial district, evidencing the environmental inequality in São Paulo. <i>Environmental Pollution</i> , 2020 , 263, 114583	9.3	6
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