

Srgio Lc Ferreira

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255
papers

10,248
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48
h-index

90
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267
ext. papers

11,157
ext. citations

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avg. IF

6.05
L-index

#	Paper	IF	Citations
255	Box-Behnken design: an alternative for the optimization of analytical methods. <i>Analytica Chimica Acta</i> , 2007 , 597, 179-86	6.6	1678
254	Statistical designs and response surface techniques for the optimization of chromatographic systems. <i>Journal of Chromatography A</i> , 2007 , 1158, 2-14	4.5	439
253	Doehlert matrix: a chemometric tool for analytical chemistry-review. <i>Talanta</i> , 2004 , 63, 1061-7	6.2	430
252	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
251	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. <i>Microchemical Journal</i> , 2009 , 92, 58-67	4.8	189
250	Separation and preconcentration procedures for the determination of lead using spectrometric techniques: a review. <i>Talanta</i> , 2006 , 69, 16-24	6.2	186
249	Biodiesel: parâmetros de qualidade e métodos analíticos. <i>Química Nova</i> , 2009 , 32, 1596-1608	1.6	153
248	Atomic spectrometric methods for the determination of metals and metalloids in automotive fuels--a review. <i>Talanta</i> , 2007 , 73, 1-11	6.2	130
247	Determination of phosphorus, sulfur and the halogens using high-temperature molecular absorption spectrometry in flames and furnaces--A review. <i>Analytica Chimica Acta</i> , 2009 , 647, 137-48	6.6	127
246	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
245	Application of factorial designs and Doehlert matrix in optimization of experimental variables associated with the preconcentration and determination of vanadium and copper in seawater by inductively coupled plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002 , 57, 1939-1950	3.1	118
244	Determination of vanadium in petroleum and petroleum products using atomic spectrometric techniques. <i>Talanta</i> , 2007 , 72, 349-59	6.2	114
243	Uranium determination using atomic spectrometric techniques: an overview. <i>Analytica Chimica Acta</i> , 2010 , 674, 143-56	6.6	108
242	Application of polyurethane foam as a sorbent for trace metal pre-concentration --A review. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 4-12	3.1	106
241	Factorial design in the optimization of preconcentration procedure for lead determination by FAAS. <i>Talanta</i> , 2005 , 65, 895-9	6.2	105
240	Nickel determination in saline matrices by ICP-AES after sorption on Amberlite XAD-2 loaded with PAN. <i>Talanta</i> , 1999 , 48, 1173-7	6.2	99
239	Application of Box-Behnken design in the optimisation of an on-line pre-concentration system using knotted reactor for cadmium determination by flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 737-742	3.1	98

238	Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. <i>Journal of Hazardous Materials</i> , 2007 , 145, 358-67	12.8	91
237	Optimization of microwave assisted digestion procedure for the determination of zinc, copper and nickel in tea samples employing flame atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2007 , 149, 264-8	12.8	88
236	On-line preconcentration system for nickel determination in food samples by flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2001 , 445, 145-151	6.6	85
235	Slurry Sampling—An Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. <i>Applied Spectroscopy Reviews</i> , 2010 , 45, 44-62	4.5	82
234	An on-line continuous flow system for copper enrichment and determination by flame atomic absorption spectroscopy. <i>Analytica Chimica Acta</i> , 2000 , 403, 259-264	6.6	80
233	Multivariate optimization of ultrasound-assisted extraction for determination of Cu, Fe, Ni and Zn in vegetable oils by high-resolution continuum source atomic absorption spectrometry. <i>Food Chemistry</i> , 2015 , 185, 145-50	8.5	76
232	Copper determination in natural water samples by using FAAS after preconcentration onto amberlite XAD-2 loaded with calmagite. <i>Talanta</i> , 2000 , 50, 1253-9	6.2	75
231	Multivariate technique for optimization of digestion procedure by focussed microwave system for determination of Mn, Zn and Fe in food samples using FAAS. <i>Talanta</i> , 2006 , 68, 1083-8	6.2	73
230	Application of Multivariate Techniques in Optimization of Spectroanalytical Methods. <i>Applied Spectroscopy Reviews</i> , 2007 , 42, 475-491	4.5	72
229	Multivariate optimization and validation studies in on-line pre-concentration system for lead determination in drinking water and saline waste from oil refinery. <i>Microchemical Journal</i> , 2004 , 77, 123-129	4.8	69
228	Speciation of chromium in river water samples contaminated with leather effluents by flame atomic absorption spectrometry after separation/preconcentration by cloud point extraction. <i>Microchemical Journal</i> , 2009 , 92, 135-139	4.8	68
227	Atomic absorption spectrometry —A multi element technique. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 100, 1-6	14.6	64
226	Analytical strategies of sample preparation for the determination of mercury in food matrices —A review. <i>Microchemical Journal</i> , 2015 , 121, 227-236	4.8	63
225	Simultaneous pre-concentration procedure for the determination of cadmium and lead in drinking water employing sequential multi-element flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2007 , 87, 77-80	4.8	62
224	A pre-concentration procedure using coprecipitation for determination of lead and iron in several samples using flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 575, 133-7	6.6	62
223	On-line preconcentration system for lead determination in seafood samples by flame atomic absorption spectrometry using polyurethane foam loaded with 2-(2-benzothiazolylazo)-2-p-cresol. <i>Analytica Chimica Acta</i> , 2001 , 441, 281-289	6.6	62
222	Robustness evaluation in analytical methods optimized using experimental designs. <i>Microchemical Journal</i> , 2017 , 131, 163-169	4.8	61
221	Determination of total arsenic and arsenic (III) in phosphate fertilizers and phosphate rocks by HG-AAS after multivariate optimization based on Box-Behnken design. <i>Talanta</i> , 2009 , 80, 974-9	6.2	61

220	Pre-concentration procedure for determination of copper and zinc in food samples by sequential multi-element flame atomic absorption spectrometry. <i>Talanta</i> , 2008 , 77, 73-6	6.2	60
219	Determination of cadmium and lead in table salt by sequential multi-element flame atomic absorption spectrometry. <i>Talanta</i> , 2005 , 65, 960-4	6.2	60
218	On-line system for preconcentration and determination of metals in vegetables by inductively coupled plasma optical emission spectrometry. <i>Journal of Hazardous Materials</i> , 2007 , 148, 334-9	12.8	59
217	Statistical design-principal component analysis optimization of a multiple response procedure using cloud point extraction and simultaneous determination of metals by ICP OES. <i>Analytica Chimica Acta</i> , 2006 , 580, 251-7	6.6	59
216	Multivariate optimization techniques in analytical chemistry - an overview. <i>Microchemical Journal</i> , 2018 , 140, 176-182	4.8	58
215	Simultaneous optimization of multiple responses and its application in Analytical Chemistry - A review. <i>Talanta</i> , 2019 , 194, 941-959	6.2	56
214	Multivariate optimization techniques in food analysis - A review. <i>Food Chemistry</i> , 2019 , 273, 3-8	8.5	56
213	Simultaneous determination of PAHS, nitro-PAHS and quinones in surface and groundwater samples using SDME/GC-MS. <i>Microchemical Journal</i> , 2017 , 133, 431-440	4.8	55
212	A Pre-Concentration Procedure Using Cloud Point Extraction for the Determination of Uranium in Natural Water. <i>Mikrochimica Acta</i> , 2006 , 154, 163-167	5.8	53
211	Application of three-variables Doehlert matrix for optimisation of an on-line pre-concentration system for zinc determination in natural water samples by flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2003 , 75, 211-221	4.8	53
210	An on-line system for preconcentration and determination of lead in wine samples by FAAS. <i>Talanta</i> , 2002 , 58, 475-80	6.2	53
209	Use of factorial design and Doehlert matrix for multivariate optimisation of an on-line preconcentration system for lead determination by flame atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 443-9	4.4	50
208	Multivariate optimisation of the experimental conditions for determination of three methylxanthines by reversed-phase high-performance liquid chromatography. <i>Talanta</i> , 2005 , 67, 1007-13	6.2	49
207	Application of multivariate optimization in the development of an ultrasound-assisted extraction procedure for multielemental determination in bean seeds samples using ICP OES. <i>Microchemical Journal</i> , 2009 , 91, 153-158	4.8	48
206	Application of Doehlert designs for optimisation of an on-line preconcentration system for copper determination by flame atomic absorption spectrometry. <i>Talanta</i> , 2003 , 61, 295-303	6.2	48
205	Application of Doehlert matrix and factorial designs in optimization of experimental variables associated with preconcentration and determination of molybdenum in sea-water by inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 115-120	3.7	46
204	Sources and distribution of polycyclic aromatic hydrocarbons (PAHs) and organic matter in surface sediments of an estuary under petroleum activity influence, Todos os Santos Bay, Brazil. <i>Marine Pollution Bulletin</i> , 2017 , 119, 223-230	6.7	45
203	Application of polyurethane foam loaded with BTAC in an on-line preconcentration system: cadmium determination by FAAS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000 , 55, 1497-1502	3.1	45

202	Simplex optimization: A tutorial approach and recent applications in analytical chemistry. <i>Microchemical Journal</i> , 2016 , 124, 45-54	4.8	44
201	Method development for the determination of cadmium in fertilizer samples using high-resolution continuum source graphite furnace atomic absorption spectrometry and slurry sampling. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011 , 66, 529-535	3.1	44
200	Simultaneous determination and speciation analysis of arsenic and chromium in iron supplements used for iron-deficiency anemia treatment by HPLC-ICP-MS. <i>Talanta</i> , 2017 , 170, 523-529	6.2	43
199	A review of reflux systems using cold finger for sample preparation in the determination of volatile elements. <i>Microchemical Journal</i> , 2013 , 106, 307-310	4.8	43
198	Polyurethane foam as a sorbent for continuous flow analysis: Preconcentration and spectrophotometric determination of zinc in biological materials. <i>Analytica Chimica Acta</i> , 1998 , 366, 263-269	6.6	43
197	Phytoremediation in mangrove sediments impacted by persistent total petroleum hydrocarbons (TPH _B) using <i>Avicennia schaueriana</i> . <i>Marine Pollution Bulletin</i> , 2013 , 67, 130-6	6.7	42
196	Enrichment and determination of molybdenum in geological samples and seawater by ICP-AES using calmagite and activated carbon. <i>Analytica Chimica Acta</i> , 2001 , 426, 79-84	6.6	42
195	Inorganic As speciation and bioavailability in estuarine sediments of Todos os Santos Bay, BA, Brazil. <i>Marine Pollution Bulletin</i> , 2010 , 60, 2225-32	6.7	41
194	Multivariate optimization of a solid phase microextraction-headspace procedure for the determination of benzene, toluene, ethylbenzene and xylenes in effluent samples from a waste treatment plant. <i>Journal of Chromatography A</i> , 2008 , 1203, 99-104	4.5	41
193	The determination of molybdenum in water and biological samples by graphite furnace atomic spectrometry after polyurethane foam column separation and preconcentration. <i>Talanta</i> , 2003 , 61, 789-95	6.2	41
192	A simple, rapid and green ultrasound assisted and ionic liquid dispersive microextraction procedure for the determination of tin in foods employing ETAAS. <i>Food Chemistry</i> , 2018 , 245, 380-384	8.5	40
191	Flow injection determination of cobalt after its sorption onto polyurethane foam loaded with 2-(2-thiazolylazo)-p-cresol (TAC). <i>Talanta</i> , 2001 , 54, 61-7	6.2	40
190	Determination of copper in powdered chocolate samples by slurry-sampling flame atomic-absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 1099-102	4.4	39
189	Determination of cadmium by FAAS after on-line enrichment using a mini column packed with Amberlite XAD-2 loaded with TAM. <i>Microchemical Journal</i> , 2000 , 65, 59-65	4.8	38
188	An on-line solid phase extraction system using polyurethane foam for the spectrophotometric determination of nickel in silicates and alloys. <i>Analytica Chimica Acta</i> , 1999 , 378, 287-292	6.6	38
187	Simultaneous determination of cadmium, iron and tin in canned foods using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2016 , 153, 45-50	6.2	37
186	Determination of mercury in rice by MSFIA and cold vapour atomic fluorescence spectrometry. <i>Food Chemistry</i> , 2013 , 137, 159-63	8.5	37
185	Method development for the determination of manganese in wheat flour by slurry sampling flame atomic absorption spectrometry. <i>Food Chemistry</i> , 2007 , 101, 397-400	8.5	37

184	Multivariate optimization of a procedure employing microwave-assisted digestion for the determination of nickel and vanadium in crude oil by ICP OES. <i>Talanta</i> , 2018 , 178, 842-846	6.2	35
183	Sensitive spectrophotometric determination of ascorbic acid in fruit juices and pharmaceutical formulations using 2-(5-bromo-2-pyridylazo)-5-diethylaminophenol (Br-PADAP). <i>Fresenius Journal of Analytical Chemistry</i> , 1997 , 357, 1174-1178		35
182	Direct determination of iron and manganese in wine using the reference element technique and fast sequential multi-element flame atomic absorption spectrometry. <i>Talanta</i> , 2008 , 74, 699-702	6.2	35
181	Method development for the determination of lead in wine using electrothermal atomic absorption spectrometry comparing platform and filter furnace atomizers and different chemical modifiers. <i>Talanta</i> , 2008 , 74, 1321-9	6.2	35
180	Strategies of sample preparation for speciation analysis of inorganic antimony using hydride generation atomic spectrometry. <i>Microchemical Journal</i> , 2014 , 114, 22-31	4.8	34
179	Palladium as chemical modifier for the stabilization of volatile nickel and vanadium compounds in crude oil using graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 1332	3.7	34
178	Flow-injection solid-phase spectrophotometry for the determination of zinc in pharmaceutical preparations. <i>Analytica Chimica Acta</i> , 1999 , 383, 309-315	6.6	34
177	Principal component analysis and hierarchical cluster analysis for homogeneity evaluation during the preparation of a wheat flour laboratory reference material for inorganic analysis. <i>Microchemical Journal</i> , 2010 , 95, 222-226	4.8	33
176	Fast method for the determination of copper, manganese and iron in seafood samples. <i>Journal of Food Composition and Analysis</i> , 2008 , 21, 259-263	4.1	33
175	Doehlert matrix for optimisation of procedure for determination of nickel in saline oil-refinery effluents by use of flame atomic absorption spectrometry after preconcentration by cloud-point extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 798-803	4.4	33
174	Spectrophotometric determination of uranium using 2-(2-Thiazolylazo)-p-Cresol (TAC) in the presence of surfactants. <i>Journal of the Brazilian Chemical Society</i> , 1999 , 10, 519-522	1.5	33
173	Separation and Preconcentration of Cobalt after Sorption onto Amberlite XAD-2 Loaded with 2-(2-Thiazolylazo)-p-cresol.. <i>Analytical Sciences</i> , 1999 , 15, 189-191	1.7	33
172	Determination of mercury in airborne particulate matter collected on glass fiber filters using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sampling. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011 , 66, 378-382	3.1	32
171	On-line preconcentration system for flame atomic absorption spectrometry using unloaded polyurethane foam: determination of zinc in waters and biological materials. <i>Journal of Analytical Atomic Spectrometry</i> , 1999 , 14, 1749-1753	3.7	32
170	Optimization of the operating conditions using factorial designs for determination of uranium by inductively coupled plasma optical emission spectrometry. <i>Microchemical Journal</i> , 2011 , 97, 113-117	4.8	31
169	An automated on-line flow system for the pre-concentration and determination of lead by flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2001 , 68, 41-46	4.8	31
168	Characterization and determination of the thermodynamic and kinetic properties of the adsorption of the molybdenum(VI)-calmagite complex onto active carbon. <i>Journal of Colloid and Interface Science</i> , 2004 , 270, 276-80	9.3	30
167	Development of an analytical approach for determination of total arsenic and arsenic (III) in airborne particulate matter by slurry sampling and HG-FAAS. <i>Microchemical Journal</i> , 2010 , 96, 46-49	4.8	29

166	Determination of mercury in phosphate fertilizers by cold vapor atomic absorption spectrometry. <i>Talanta</i> , 2013 , 106, 293-7	6.2	28
165	Mineral composition of wheat flour consumed in Brazilian cities. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 935-942	1.5	28
164	Solid Phase Spectrophotometry for the Determination of Cobalt in Pharmaceutical Preparations. <i>Mikrochimica Acta</i> , 2001 , 137, 29-33	5.8	28
163	Selectivity enhancement in spectrophotometry: on-line interference suppression using polyurethane foam minicolumn for aluminum determination with Methyl Thymol Blue. <i>Analyst, The</i> , 1999 , 124, 805-808	5	28
162	Determination of cadmium in rice by electrothermal atomic absorption spectrometry using aluminum as permanent modifier. <i>Analytical Methods</i> , 2011 , 3, 2495	3.2	27
161	Development of method for the speciation of inorganic iron in wine samples. <i>Analytica Chimica Acta</i> , 2007 , 602, 89-93	6.6	27
160	A Pre-Concentration Procedure Using Cloud Point Extraction for the Determination of Manganese in Saline Effluents of a Petroleum Refinery by Flame Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 2006 , 154, 149-152	5.8	27
159	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
158	Development of a MSFIA system for sequential determination of antimony, arsenic and selenium using hydride generation atomic fluorescence spectrometry. <i>Talanta</i> , 2016 , 156-157, 29-33	6.2	27
157	Speciation analysis based on digital image colorimetry: Iron (II/III) in white wine. <i>Talanta</i> , 2019 , 194, 86-88	8.2	27
156	Analytical strategies for determination of cadmium in Brazilian vinegar samples using ET AAS. <i>Food Chemistry</i> , 2014 , 160, 209-13	8.5	26
155	Sequential determination of cadmium and lead in organic pharmaceutical formulations using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2017 , 130, 157-161	4.8	25
154	Selenite biotransformation during brewing. Evaluation by HPLC-ICP-MS. <i>Talanta</i> , 2012 , 88, 272-6	6.2	25
153	Determination of zinc and copper in human hair by slurry sampling employing sequential multi-element flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2007 , 87, 128-131	4.8	25
152	Arsenic determination in naphtha by electrothermal atomic absorption spectrometry after preconcentration using multiple injections. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 1267	3.7	25
151	Use of factorial design for optimization of microwave-assisted digestion of lubricating oil. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 1269-1274	1.5	25
150	An online preconcentration system for speciation analysis of arsenic in seawater by hydride generation flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2018 , 143, 175-180	4.8	24
149	Direct determination of chromium in infant formulas employing high-resolution continuum source electrothermal atomic absorption spectrometry and solid sample analysis. <i>Talanta</i> , 2015 , 144, 39-43	6.2	24

148	The chemical generation of NO for the determination of nitrite by high-resolution continuum source molecular absorption spectrometry. <i>Talanta</i> , 2012 , 98, 231-5	6.2	24
147	Use of multivariate analysis techniques for the characterization of analytical results for the determination of the mineral composition of kale. <i>Microchemical Journal</i> , 2010 , 96, 352-356	4.8	24
146	Comparison of direct solid sampling and slurry sampling for the determination of cadmium in wheat flour by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2008 , 77, 400-6	6.2	24
145	Feasibility of employing permanent chemical modifiers for the determination of cadmium in coal using slurry sampling electrothermal atomic absorption spectrometry. <i>Microchemical Journal</i> , 2006 , 82, 174-182	4.8	24
144	Determination of manganese and zinc in powdered chocolate samples by slurry sampling using sequential multi-element flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2006 , 82, 159-162	4.8	24
143	A Multiple Response Function for Optimization of Analytical Strategies Involving Multi-elemental Determination. <i>Current Analytical Chemistry</i> , 2016 , 12, 94-101	1.7	24
142	Determination of ascorbic acid in natural fruit juices using digital image colorimetry. <i>Microchemical Journal</i> , 2019 , 149, 104031	4.8	23
141	Use of slurry sampling for the direct determination of zinc in yogurt by high resolution-continuum source flame atomic absorption spectrometry. <i>Talanta</i> , 2010 , 81, 1357-9	6.2	23
140	Application of pyridylazo and thiazolylazo reagents in flow injection preconcentration systems for determination of metals. <i>Talanta</i> , 2009 , 79, 2-9	6.2	23
139	Slurry sampling and high-resolution continuum source flame atomic absorption spectrometry using secondary lines for the determination of Ca and Mg in dairy products. <i>Microchemical Journal</i> , 2011 , 98, 231-233	4.8	23
138	Application of factorial design and Doehlert matrix in the optimisation of instrumental parameters for direct determination of silicon in naphtha using graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 246-249	3.7	23
137	Spectrophotometric determination of tin in copper-based alloys using pyrocatechol violet. <i>Talanta</i> , 1995 , 42, 1973-8	6.2	23
136	Derivative spectrophotometric determination of nickel using Br-PADAP. <i>Talanta</i> , 1996 , 43, 1649-56	6.2	23
135	2-(2-Thiazolylazo)-p-cresol(TAC) as a Reagent for the Spectrophotometric Determination of Lead(II). <i>Analytical Letters</i> , 1991 , 24, 1675-1684	2.2	23
134	Liquid phase microextraction associated with flow injection systems for the spectrometric determination of trace elements. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 357-366	14.6	23
133	On line automated system for the determination of Sb(V), Sb(III), thrimethyl antimony(v) and total antimony in soil employing multisyringe flow injection analysis coupled to HG-AFS. <i>Talanta</i> , 2017 , 165, 502-507	6.2	22
132	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
131	Nickel and zinc determination by flow-injection solid-phase spectrophotometry exploiting different sorption rates. <i>Talanta</i> , 2000 , 51, 1027-33	6.2	22

130	Development of an analytical method for the determination of arsenic in gasoline samples by hydride generation-graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012 , 71-72, 102-106	3.1	21
129	Quantitative separation of zinc traces from cadmium matrices by solid-phase extraction with polyurethane foam. <i>Talanta</i> , 1998 , 46, 1525-30	6.2	21
128	Speciation analysis of antimony in environmental samples employing atomic fluorescence spectrometry –Review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 335-343	14.6	21
127	Development of a simple method for the determination of nitrite and nitrate in groundwater by high-resolution continuum source electrothermal molecular absorption spectrometry. <i>Analytica Chimica Acta</i> , 2014 , 806, 101-6	6.6	20
126	Slurry Sampling for the Determination of Mercury in Rice Using Cold Vapor Atomic Absorption Spectrometry. <i>Food Analytical Methods</i> , 2012 , 5, 1289-1295	3.4	20
125	Development of a non-chromatographic method for the speciation analysis of inorganic antimony in mushroom samples by hydride generation atomic fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 597-600	3.1	20
124	A photo-oxidation procedure using UV radiation/H ₂ O ₂ for decomposition of wine samples – Determination of iron and manganese content by flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 601-604	3.1	20
123	Automatic on-line pre-concentration system using a knotted reactor for the FAAS determination of lead in drinking water. <i>Journal of Hazardous Materials</i> , 2007 , 141, 540-5	12.8	20
122	Multivariate Optimization in Preconcentration Procedure for Manganese Determination in Seawater Samples by FAAS. <i>Mikrochimica Acta</i> , 2004 , 146, 271-278	5.8	20
121	Optimization of the preconcentration system of cadmium with 1(2-thiazolylazo)-p-cresol using a knotted reactor and flame atomic absorption spectrometric detection. <i>Journal of Hazardous Materials</i> , 2004 , 112, 279-83	12.8	20
120	The use of water soluble tertiary amine reagent for solubilization and metal determination in fish muscle tissue. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 69-73	1.5	20
119	Determination of Flavanones in Orange Juices Obtained from Different Sources by HPLC/DAD. <i>Journal of Analytical Methods in Chemistry</i> , 2014 , 2014, 296838	2	19
118	Determination of antimony in airborne particulate matter collected on filters using direct solid sampling and high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 580-584	3.7	19
117	Speciation analysis of inorganic antimony in airborne particulate matter employing slurry sampling and HG QT AAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1887	3.7	19
116	Application of multivariate techniques for optimization of direct method for determination of lead in naphtha and petroleum condensate by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2007 , 158, 321-326	5.8	19
115	Factorial design for multivariate optimization of an on-line preconcentration system for platinum determination by ultrasonic nebulization coupled to inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2004 , 63, 1077-82	6.2	19
114	Use of Multivariate Analysis Techniques for Evaluation of Analytical Data –Determination of the Mineral Composition of Cabbage (<i>Brassica oleracea</i>). <i>Food Analytical Methods</i> , 2011 , 4, 286-292	3.4	18
113	ICP-AES determination of small amounts of zinc in copper-base alloys after separation by adsorption of the zinc-TAN complex on Sep Pak C18 cartridges. <i>Talanta</i> , 1998 , 46, 1279-83	6.2	18

112	Behaviour of chemical modifiers in the determination of arsenic by electrothermal atomic absorption spectrometry in petroleum products. <i>Talanta</i> , 2005 , 67, 195-204	6.2	18
111	A separation method to overcome the interference of aluminium on zinc determination by inductively coupled plasma atomic emission spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000 , 55, 389-394	3.1	18
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