Srgio Lc Ferreira

List of Publications by Year in Descending Order

255 papers	10,248 citations	48 h-index	90 g-index
267 ext. papers	11,157 ext. citations	5.1 avg, IF	6.05 L-index

#	Paper	IF	Citations
255	Fast automated method for the direct determination of total antimony in grape juice samples by hydride generation and atomic fluorescence spectrometric detection without external pretreatment.. *Food Chemistry*, **2022**, 381, 132194	8.5	1
254	A new and accessible instrumentation to determine urea in UHT milk using digital image analysis.. *Food Chemistry*, **2022**, 381, 132221	8.5	0
253	Determination and multivariate evaluation of the mineral composition of red jambo (Syzygium malaccense (L.)). *Food Chemistry*, **2022**, 371, 131381	8.5	0
252	The use of ANOVA-PCA and DD-SIMCA in the development of corn flour laboratory reference materials. *Food Chemistry*, **2022**, 367, 130748	8.5	0
251	State of the art of the methods proposed for selenium speciation analysis by CVG-AFS. *TrAC - Trends in Analytical Chemistry*, **2022**, 116617	14.6	0
250	Simple and Fast Two-Step Fully Automated Methodology for the Online Speciation of Inorganic Antimony Coupled to ICP-MS. *Chemosensors*, **2022**, 10, 139	4	
249	A risk assessment by metal contamination in a river used for public water supply.. *Marine Pollution Bulletin*, **2022**, 179, 113730	6.7	
248	Determination and human health risk assessment of mercury in fish samples. *Talanta*, **2022**, 247, 123557	6.2	0
247	Determination of Cu, Ni, Mn and Zn in diesel oil samples using energy dispersive X-ray fluorescence spectrometry after solid phase extraction using sisal fiber. *Talanta*, **2021**, 225, 121910	6.2	4
246	Spatio-temporal assessment, sources and health risks of water pollutants at trace levels in public supply river using multivariate statistical techniques. *Chemosphere*, **2021**, 282, 130942	8.4	2
245	Doehlert design in the optimization of procedures aiming food analysis - A review. *Food Chemistry*, **2021**, 364, 130429	8.5	1
244	Evaluation of the bioavailability of potentially toxic metals in surface sediments collected from a tropical river near an urban area. *Marine Pollution Bulletin*, **2020**, 156, 111215	6.7	8
243	Assessment of toxicity of metals in river sediments for human supply: Distribution, evaluation of pollution and sources identification. *Marine Pollution Bulletin*, **2020**, 158, 111423	6.7	11
242	Extraction induced by emulsion breaking for As, Se and Hg determination in crude palm oil by vapor generation-AFS. *Food Chemistry*, **2020**, 318, 126473	8.5	6
241	Application of chemometric tools for homogeneity and stability evaluation during the preparation of a powdered milk laboratory reference material for inorganic analysis. *Analytical Methods*, **2020**, 12, 1055-1063	3.2	3
240	Strategies for inorganic speciation analysis employing spectrometric techniquesâReview. *Microchemical Journal*, **2020**, 153, 104402	4.8	6
239	A New Simple and Fast Method for Determination of Cobalt in Vitamin B12 and Water Samples Using Dispersive Liquid-Liquid Microextraction and Digital Image Analysis. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	7

238	Development of reference material from powdered milk: Uncertainties and interlaboratory evaluation through confidence ellipses. *Microchemical Journal*, **2020**, 159, 105330	4.8	1
237	Solid-Phase Extraction and Detection by Digital Image Directly in the Sorbent: Determination of Nickel in Environmental Samples. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	3
236	A fast and sensitive flow-batch method with hydride generating and atomic fluorescence spectrometric detection for automated inorganic antimony speciation in waters. *Talanta*, **2020**, 207, 119834	6.2	6
235	Simultaneous Determination of Chromium and Iron in Powdered Milk Using High-Resolution Continuum Source Graphite Furnace Atomic Absorption Spectrometry. *Food Analytical Methods*, **2020**, 13, 284-290	3.4	3
234	Spectrophotometric system based on a device created by 3D printing for the accommodation of a webcam chamber as a detection system. *Talanta*, **2020**, 206, 120250	6.2	16
233	Determination of ascorbic acid in natural fruit juices using digital image colorimetry. *Microchemical Journal*, **2019**, 149, 104031	4.8	23
232	On-line solid phase extraction system using an ion imprinted polymer based on dithizone chelating for selective preconcentration and determination of mercury(II) in natural waters by CV AFS. *Microchemical Journal*, **2019**, 150, 104075	4.8	12
231	Experimental design as a tool for parameter optimization of photoelectrocatalytic degradation of a textile dye. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103264	6.8	12
230	A green on-line digestion system using 70% hydrogen peroxide and UV radiation for the determination of chromium in beer employing ETAAS. *Microchemical Journal*, **2019**, 146, 1204-1208	4.8	6
229	A closed inline system for sample digestion using 70% hydrogen peroxide and UV radiation. Determination of lead in wine employing ETAAS. *Talanta*, **2019**, 191, 479-484	6.2	6
228	Multisyringe flow injection analysis (MSFIA) for the automatic determination of total iron in wines. *Food Chemistry*, **2019**, 277, 261-266	8.5	7
227	Simultaneous optimization of multiple responses and its application in Analytical Chemistry - A review. *Talanta*, **2019**, 194, 941-959	6.2	56
226	Speciation analysis of antimony in environmental samples employing atomic fluorescence spectrometry âReview. *TrAC - Trends in Analytical Chemistry*, **2019**, 110, 335-343	14.6	21
225	Liquid phase microextraction associated with flow injection systems for the spectrometric determination of trace elements. *TrAC - Trends in Analytical Chemistry*, **2019**, 110, 357-366	14.6	23
224	Speciation analysis based on digital image colorimetry: Iron (II/III) in white wine. *Talanta*, **2019**, 194, 86-89	6.2	27
223	Mineral content in mustard leaves according to the cooking method. *Food Chemistry*, **2019**, 273, 172-177	8.5	13
222	Multivariate optimization techniques in food analysis - A review. *Food Chemistry*, **2019**, 273, 3-8	8.5	56
221	An on-line system using ion-imprinted polymer for preconcentration and determination of bismuth in seawater employing atomic fluorescence spectrometry. *Talanta*, **2018**, 184, 87-92	6.2	17

220	Multivariate optimization techniques in analytical chemistry - an overview. *Microchemical Journal*, **2018**, 140, 176-182	4.8	58
219	Atomic absorption spectrometry âA multi element technique. *TrAC - Trends in Analytical Chemistry*, **2018**, 100, 1-6	14.6	64
218	Determination of free and total sulfur(IV) compounds in coconut water using high-resolution continuum source molecular absorption spectrometry in gas phase. *Talanta*, **2018**, 179, 810-815	6.2	7
217	A simple, rapid and green ultrasound assisted and ionic liquid dispersive microextraction procedure for the determination of tin in foods employing ETAAS. *Food Chemistry*, **2018**, 245, 380-384	8.5	40
216	Multivariate optimization of a procedure employing microwave-assisted digestion for the determination of nickel and vanadium in crude oil by ICP OES. *Talanta*, **2018**, 178, 842-846	6.2	35
215	Analytical strategies for determining the sources and ecotoxicological risk of PAHs in river sediment. *Microchemical Journal*, **2018**, 137, 90-97	4.8	16
214	An online preconcentration system for speciation analysis of arsenic in seawater by hydride generation flame atomic absorption spectrometry. *Microchemical Journal*, **2018**, 143, 175-180	4.8	24
213	Multisyringe flow injection analysis in spectroanalytical techniques âA review. *TrAC - Trends in Analytical Chemistry*, **2018**, 98, 1-18	14.6	15
212	Simultaneous determination of PAHS, nitro-PAHS and quinones in surface and groundwater samples using SDME/GC-MS. *Microchemical Journal*, **2017**, 133, 431-440	4.8	55
211	Simultaneous determination and speciation analysis of arsenic and chromium in iron supplements used for iron-deficiency anemia treatment by HPLC-ICP-MS. *Talanta*, **2017**, 170, 523-529	6.2	43
210	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. *Marine Pollution Bulletin*, **2017**, 119, 223-230	6.7	45
209	Robustness evaluation in analytical methods optimized using experimental designs. *Microchemical Journal*, **2017**, 131, 163-169	4.8	61
208	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. *Talanta*, **2017**, 165, 502-507	6.2	22
207	Sequential determination of cadmium and lead in organic pharmaceutical formulations using high-resolution continuum source graphite furnace atomic absorption spectrometry. *Microchemical Journal*, **2017**, 130, 157-161	4.8	25
206	Direct and Simultaneous Determination of Copper and Iron in Flours by Solid Sample Analysis and High-Resolution Continuum Source Graphite Furnace Atomic Absorption Spectrometry. *Food Analytical Methods*, **2017**, 10, 469-476	3.4	12
205	Determination of Lead in Iron Supplements by Electrothermal Atomization Atomic Absorption Spectrometry. *Analytical Letters*, **2016**, 49, 799-807	2.2	6
204	Ultrasound assisted extraction for the determination of mercury in sediment samples employing cold vapour atomic absorption spectrometry. *Analytical Methods*, **2016**, 8, 6554-6559	3.2	7
203	Simultaneous determination of cadmium, iron and tin in canned foods using high-resolution continuum source graphite furnace atomic absorption spectrometry. *Talanta*, **2016**, 153, 45-50	6.2	37

202	Use of tartaric acidâcitric acidâsucrose as chemical modifier for the determination of lead in several matrices employing ET AAS. *Microchemical Journal*, **2016**, 126, 368-372	4.8	10
201	Simplex optimization: A tutorial approach and recent applications in analytical chemistry. *Microchemical Journal*, **2016**, 124, 45-54	4.8	44
200	Determination of Selenium in Eggs of Different Birds Using Sample Digestion in a Reflux System and Hydride Generation Atomic Fluorescence Spectrometry. *Current Analytical Chemistry*, **2016**, 12, 102-107	1.7	5
199	A Multiple Response Function for Optimization of Analytical Strategies Involving Multi-elemental Determination. *Current Analytical Chemistry*, **2016**, 12, 94-101	1.7	24
198	Assessment of Trace Elements in Tissues of Fish Species: Multivariate Study and Safety Evaluation. *Journal of the Brazilian Chemical Society*, **2016**,	1.5	3
197	Multi-responses Methodology Applied in the Electroanalytical Determination of Hair Dye by Using Printed Carbon Electrode Modified with Graphene. *Electroanalysis*, **2016**, 28, 1085-1092	3	5
196	Development of a MSFIA system for sequential determination of antimony, arsenic and selenium using hydride generation atomic fluorescence spectrometry. *Talanta*, **2016**, 156-157, 29-33	6.2	27
195	Determination and evaluation of the mineral composition of breadfruit (Artocarpus altilis) using multivariate analysis technique. *Microchemical Journal*, **2016**, 128, 84-88	4.8	16
194	Determination of micro and macro elements in iron supplements used for treatment of anemia and evaluation employing chemometric analysis tools. *RSC Advances*, **2015**, 5, 54046-54052	3.7	5
193	A non-chromatographic automated system for antimony speciation in natural water exploiting multisyringe flow injection analysis coupled with online hydride generation âatomic fluorescence spectrometry. *Journal of Analytical Atomic Spectrometry*, **2015**, 30, 1133-1141	3.7	17
192	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. *Food Chemistry*, **2015**, 185, 145-50	8.5	76
191	Analytical strategies of sample preparation for the determination of mercury in food matrices âA review. *Microchemical Journal*, **2015**, 121, 227-236	4.8	63
190	Speciation analysis of inorganic antimony in sediment samples from Sð Paulo Estuary, Bahia State, Brazil. *Environmental Science and Pollution Research*, **2015**, 22, 8386-91	5.1	10
189	Determination of mercury in alcohol vinegar samples from Salvador, Bahia, Brazil. *Food Control*, **2015**, 47, 623-627	6.2	8
188	Direct determination of chromium in infant formulas employing high-resolution continuum source electrothermal atomic absorption spectrometry and solid sample analysis. *Talanta*, **2015**, 144, 39-43	6.2	24
187	Bioavailability assessment of toxic metals using the technique "acid-volatile sulfide (AVS)-simultaneously extracted metals (SEM)" in marine sediments collected in Todos os Santos Bay, Brazil. *Environmental Monitoring and Assessment*, **2015**, 188, 554	3.1	7
186	Analytical strategies for determination of cadmium in Brazilian vinegar samples using ET AAS. *Food Chemistry*, **2014**, 160, 209-13	8.5	26
185	Determination of the mineral composition of Caigua (Cyclanthera pedata) and evaluation using multivariate analysis. *Food Chemistry*, **2014**, 152, 619-23	8.5	11

184	Strategies of sample preparation for speciation analysis of inorganic antimony using hydride generation atomic spectrometry. *Microchemical Journal*, **2014**, 114, 22-31	4.8	34
183	Development of a simple method for the determination of nitrite and nitrate in groundwater by high-resolution continuum source electrothermal molecular absorption spectrometry. *Analytica Chimica Acta*, **2014**, 806, 101-6	6.6	20
182	Multi-commuted flow system for cadmium determination in natural water by cold vapour atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 2398-2404	3.7	8
181	Determination of copper in airborne particulate matter using slurry sampling and chemical vapor generation atomic absorption spectrometry. *Talanta*, **2014**, 127, 140-5	6.2	9
180	Determination of Flavanones in Orange Juices Obtained from Different Sources by HPLC/DAD. *Journal of Analytical Methods in Chemistry*, **2014**, 2014, 296838	2	19
179	Determination of mercury in phosphate fertilizers by cold vapor atomic absorption spectrometry. *Talanta*, **2013**, 106, 293-7	6.2	28
178	A separation system for lead fractionation in river water using electrothermal atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2013**, 28, 156-160	3.7	2
177	Pressure-driven mesofluidic platform integrating automated on-chip renewable micro-solid-phase extraction for ultrasensitive determination of waterborne inorganic mercury. *Talanta*, **2013**, 110, 58-65	6.2	11
176	Determination of silver in airborne particulate matter collected on glass fiber filters using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sampling. *Microchemical Journal*, **2013**, 109, 36-40	4.8	15
175	Fast sequential determination of antimony and lead in pewter alloys using high-resolution continuum source flame atomic absorption spectrometry. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2013**, 30, 202-7	3.2	13
174	Phytoremediation in mangrove sediments impacted by persistent total petroleum hydrocarbons (TPHs) using Avicennia schaueriana. *Marine Pollution Bulletin*, **2013**, 67, 130-6	6.7	42
173	Determination of mercury in rice by MSFIA and cold vapour atomic fluorescence spectrometry. *Food Chemistry*, **2013**, 137, 159-63	8.5	37
172	A review of reflux systems using cold finger for sample preparation in the determination of volatile elements. *Microchemical Journal*, **2013**, 106, 307-310	4.8	43
171	Direct determination of gallium in bauxite employing ICP OES using the reference element technique for interference elimination. *Microchemical Journal*, **2013**, 110, 198-201	4.8	13
170	Determination of the mineral composition of Brazilian rice and evaluation using chemometric techniques. *Analytical Methods*, **2013**, 5, 998-1003	3.2	11
169	Sequential Injection Analysis in Selenium Determination by HG-AAS: Optimisation and Interference Study. *Current Analytical Chemistry*, **2013**, 9, 296-304	1.7	2
168	Slurry Sampling for the Determination of Mercury in Rice Using Cold Vapor Atomic Absorption Spectrometry. *Food Analytical Methods*, **2012**, 5, 1289-1295	3.4	20
167	Factorial and Doehlert designs in the optimization of a separation procedure using polyurethane foam as a solid phase extractant for platinum determination in ferrous matrices using inductively coupled plasma optical emission spectroscopy. *Analytical Methods*, **2012**, 4, 508	3.2	8

166	Development of an analytical method for the determination of arsenic in gasoline samples by hydride generationâgraphite furnace atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2012**, 71-72, 102-106	3.1	21
165	Selenite biotransformation during brewing. Evaluation by HPLC-ICP-MS. *Talanta*, **2012**, 88, 272-6	6.2	25
164	The chemical generation of NO for the determination of nitrite by high-resolution continuum source molecular absorption spectrometry. *Talanta*, **2012**, 98, 231-5	6.2	24
163	Critical Evaluation of Analytical Procedures for the Determination of Lead in Seawater. *Applied Spectroscopy Reviews*, **2012**, 47, 633-653	4.5	3
162	Determination of lead in water samples after its separation and preconcentration by 4,5-dihydroxy-1,3-benzenedisulfonic acid functionalised polyurethane foam. *International Journal of Environmental Analytical Chemistry*, **2012**, 92, 1121-1134	1.8	2
161	Critical study using experimental design of the determination of lead by high-resolution continuum source hydride generation atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2011**, 26, 2039	3.7	12
160	Aluminium as chemical modifier for the determination of lead in sugar cane spirits using electrothermal atomic absorption spectrometry. *Analytical Methods*, **2011**, 3, 1168	3.2	10
159	Validation of a Digestion System Using a Digester Block/Cold Finger System for the Determination of Lead in Vegetable Foods by Electrothermal Atomic Absorption Spectrometry. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 942-946	1.7	9
158	Method development for the determination of cadmium in fertilizer samples using high-resolution continuum source graphite furnace atomic absorption spectrometry and slurry sampling. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2011**, 66, 529-535	3.1	44
157	Determination and evaluation of the mineral composition of Obi (Cola acuminate). *Biological Trace Element Research*, **2011**, 143, 478-88	4.5	1
156	Use of Multivariate Analysis Techniques for Evaluation of Analytical DataâDetermination of the Mineral Composition of Cabbage (Brassica oleracea). *Food Analytical Methods*, **2011**, 4, 286-292	3.4	18
155	Screening of Toxic Inorganic Arsenic Species in Garlic (Allium sativum L.). *Food Analytical Methods*, **2011**, 4, 447-452	3.4	15
154	Determination and Evaluation of the Mineral Composition of Chinese Cabbage (Beta vulgaris). *Food Analytical Methods*, **2011**, 4, 567-573	3.4	7
153	Determination of the Mineral Composition of Watercress and Data Evaluation Using Multivariate Analysis. *Analytical Letters*, **2011**, 44, 1758-1768	2.2	4
152	Speciation analysis of inorganic antimony in airborne particulate matter employing slurry sampling and HG QT AAS. *Journal of Analytical Atomic Spectrometry*, **2011**, 26, 1887	3.7	19
151	Determination of cadmium in rice by electrothermal atomic absorption spectrometry using aluminum as permanent modifier. *Analytical Methods*, **2011**, 3, 2495	3.2	27
150	Optimization of the operating conditions using factorial designs for determination of uranium by inductively coupled plasma optical emission spectrometry. *Microchemical Journal*, **2011**, 97, 113-117	4.8	31
149	Slurry sampling and high-resolution continuum source flame atomic absorption spectrometry using secondary lines for the determination of Ca and Mg in dairy products. *Microchemical Journal*, **2011**, 98, 231-233	4.8	23

148	Determination of lead in aluminum and magnesium antacids using electrothermal atomic absorption spectrometry. *Microchemical Journal*, **2011**, 98, 29-31	4.8	9
147	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. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2011**, 66, 378-382	3.1	32
146	On-line simultaneous pre-concentration procedure for the determination of cadmium and lead in drinking water employing sequential multi-element flame atomic absorption spectrometry. *International Journal of Environmental Analytical Chemistry*, **2011**, 91, 1425-1435	1.8	8
145	Homogeneity and stability studies during the preparation of a laboratory reference material of soy leaves for the determination of metals. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 1906-10	1.7	5
144	Slurry SamplingâAn Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. *Applied Spectroscopy Reviews*, **2010**, 45, 44-62	4.5	82
143	Use of slurry sampling for the direct determination of zinc in yogurt by high resolution-continuum source flame atomic absorption spectrometry. *Talanta*, **2010**, 81, 1357-9	6.2	23
142	Determination of antimony in airborne particulate matter collected on filters using direct solid sampling and high-resolution continuum source graphite furnace atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2010**, 25, 580-584	3.7	19
141	Inorganic As speciation and bioavailability in estuarine sediments of Todos os Santos Bay, BA, Brazil. *Marine Pollution Bulletin*, **2010**, 60, 2225-32	6.7	41
140	Development of an analytical approach for determination of total arsenic and arsenic (III) in airborne particulate matter by slurry sampling and HG-FAAS. *Microchemical Journal*, **2010**, 96, 46-49	4.8	29
139	Principal component analysis and hierarchical cluster analysis for homogeneity evaluation during the preparation of a wheat flour laboratory reference material for inorganic analysis. *Microchemical Journal*, **2010**, 95, 222-226	4.8	33
138	Use of multivariate analysis techniques for the characterization of analytical results for the determination of the mineral composition of kale. *Microchemical Journal*, **2010**, 96, 352-356	4.8	24
137	Uranium determination using atomic spectrometric techniques: an overview. *Analytica Chimica Acta* , **2010**, 674, 143-56	6.6	108
136	Mineral composition of Lippia alba (Mill.) N.E. Brown leaves. *Journal of the Brazilian Chemical Society*, **2010**, 21, 1905-1909	1.5	2
135	Biodiesel: parâmetros de qualidade e métodos analíticos. *Quimica Nova*, **2009**, 32, 1596-1608	1.6	153
134	Determination of Manganese in Cassava Leaves by Slurry Sampling Flame Atomic Absorption Spectrometry. *Analytical Letters*, **2009**, 42, 2206-2213	2.2	13
133	Determination of phosphorus, sulfur and the halogens using high-temperature molecular absorption spectrometry in flames and furnaces--A review. *Analytica Chimica Acta*, **2009**, 647, 137-48	6.6	127
132	Application of multivariate optimization in the development of an ultrasound-assisted extraction procedure for multielemental determination in bean seeds samples using ICP OES. *Microchemical Journal*, **2009**, 91, 153-158	4.8	48
131	Speciation of chromium in river water samples contaminated with leather effluents by flame atomic absorption spectrometry after separation/preconcentration by cloud point extraction. *Microchemical Journal*, **2009**, 92, 135-139	4.8	68

130	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. *Microchemical Journal*, **2009**, 92, 58-67	4.8	189
129	Development of a non-chromatographic method for the speciation analysis of inorganic antimony in mushroom samples by hydride generation atomic fluorescence spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2009**, 64, 597-600	3.1	20
128	A photo-oxidation procedure using UV radiation/H2O2 for decomposition of wine samples â Determination of iron and manganese content by flame atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2009**, 64, 601-604	3.1	20
127	Application of pyridylazo and thiazolylazo reagents in flow injection preconcentration systems for determination of metals. *Talanta*, **2009**, 79, 2-9	6.2	23
126	Statistical mixture design development of digestion methods for Oyster tissue using inductively coupled plasma optical emission spectrometry for the determination of metallic ions. *Talanta*, **2009** , 80, 559-64	6.2	15
125	Determination of total arsenic and arsenic (III) in phosphate fertilizers and phosphate rocks by HG-AAS after multivariate optimization based on Box-Behnken design. *Talanta*, **2009**, 80, 974-9	6.2	61
124	Multivariate optimization and validation of an analytical method for the determination of cadmium in wines employing ET AAS. *Journal of the Brazilian Chemical Society*, **2009**, 20, 788-794	1.5	9
123	Direct determination of iron and manganese in wine using the reference element technique and fast sequential multi-element flame atomic absorption spectrometry. *Talanta*, **2008**, 74, 699-702	6.2	35
122	Method development for the determination of lead in wine using electrothermal atomic absorption spectrometry comparing platform and filter furnace atomizers and different chemical modifiers. *Talanta*, **2008**, 74, 1321-9	6.2	35
121	Pre-concentration procedure for determination of copper and zinc in food samples by sequential multi-element flame atomic absorption spectrometry. *Talanta*, **2008**, 77, 73-6	6.2	60
120	Comparison of direct solid sampling and slurry sampling for the determination of cadmium in wheat flour by electrothermal atomic absorption spectrometry. *Talanta*, **2008**, 77, 400-6	6.2	24
119	Multivariate optimization of a procedure for Cr and Co ultratrace determination in vegetal samples using GF AAS after cloud-point extraction. *International Journal of Environmental Analytical Chemistry*, **2008**, 88, 131-140	1.8	16
118	Evaluation and Application of the Internal Standard Technique for the Direct Determination of Copper in Fruit Juices Employing Fast Sequential Flame Atomic Absorption Spectrometry. *Analytical Letters*, **2008**, 41, 1571-1578	2.2	11
117	A Glimpse of Recent Developments in Brazilian Analytical Chemistry. *Analytical Letters*, **2008**, 41, 1494-1546	2.2	
116	Determination of Cd, Cu, and Pb after Cloud Point Extraction using Multielemental Sequential Determination by Thermospray Flame Furnace Atomic Absorption Spectrometry (TS-FF-AAS). *Separation Science and Technology*, **2008**, 43, 815-827	2.5	22
115	Espectrometria de absorção atômica: o caminho para determinações multi-elementares. *Quimica Nova*, **2008**, 31, 1784-1790	1.6	8
114	Spectrophotometric determination of arsenic in soil samples using 2-(5-bromo-2-pyridylazo)-5-di-ethylaminophenol (Br-PADAP). *Ecletica Quimica*, **2008**, 33, 23-28	2.6	7
113	Mineral composition of wheat flour consumed in Brazilian cities. *Journal of the Brazilian Chemical Society*, **2008**, 19, 935-942	1.5	28

112	Fast method for the determination of copper, manganese and iron in seafood samples. *Journal of Food Composition and Analysis*, **2008**, 21, 259-263	4.1	33
111	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. *Journal of Chromatography A*, **2008**, 1203, 99-104	4.5	41
110	Application of Multivariate Techniques in Optimization of Spectroanalytical Methods. *Applied Spectroscopy Reviews*, **2007**, 42, 475-491	4.5	72
109	Methods for vanadium determination in fuel oil by GF AAS with microemulsification and acid digestion sampling. *Journal of the Brazilian Chemical Society*, **2007**, 18, 1566-1570	1.5	15
108	Method development for the determination of manganese in wheat flour by slurry sampling flame atomic absorption spectrometry. *Food Chemistry*, **2007**, 101, 397-400	8.5	37
107	Statistical designs and response surface techniques for the optimization of chromatographic systems. *Journal of Chromatography A*, **2007**, 1158, 2-14	4.5	439
106	Box-Behnken design: an alternative for the optimization of analytical methods. *Analytica Chimica Acta*, **2007**, 597, 179-86	6.6	1678
105	Development of method for the speciation of inorganic iron in wine samples. *Analytica Chimica Acta*, **2007**, 602, 89-93	6.6	27
104	Simultaneous pre-concentration procedure for the determination of cadmium and lead in drinking water employing sequential multi-element flame atomic absorption spectrometry. *Microchemical Journal*, **2007**, 87, 77-80	4.8	62
103	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	4.8	25
102	Automatic on-line pre-concentration system using a knotted reactor for the FAAS determination of lead in drinking water. *Journal of Hazardous Materials*, **2007**, 141, 540-5	12.8	20
101	On-line system for preconcentration and determination of metals in vegetables by inductively coupled plasma optical emission spectrometry. *Journal of Hazardous Materials*, **2007**, 148, 334-9	12.8	59
100	Optimization of microwave assisted digestion procedure for the determination of zinc, copper and nickel in tea samples employing flame atomic absorption spectrometry. *Journal of Hazardous Materials*, **2007**, 149, 264-8	12.8	88
99	Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. *Journal of Hazardous Materials*, **2007**, 145, 358-67	12.8	91
98	Application of polyurethane foam as a sorbent for trace metal pre-concentration âA review. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2007**, 62, 4-12	3.1	106
97	Application of multivariate techniques for optimization of direct method for determination of lead in naphtha and petroleum condensate by electrothermal atomic absorption spectrometry. *Mikrochimica Acta*, **2007**, 158, 321-326	5.8	19
96	Use of cetyltrimethylammonium bromide as surfactant for the determination of copper and chromium in gasoline emulsions by electrothermal atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2007**, 62, 1072-1077	3.1	16
95	Determination of vanadium in petroleum and petroleum products using atomic spectrometric techniques. *Talanta*, **2007**, 72, 349-59	6.2	114

94	Atomic spectrometric methods for the determination of metals and metalloids in automotive fuels--a review. *Talanta*, **2007**, 73, 1-11	6.2	130
93	Multivariate technique for optimization of digestion procedure by focussed microwave system for determination of Mn, Zn and Fe in food samples using FAAS. *Talanta*, **2006**, 68, 1083-8	6.2	73
92	Separation and preconcentration procedures for the determination of lead using spectrometric techniques: a review. *Talanta*, **2006**, 69, 16-24	6.2	186
91	A pre-concentration procedure using coprecipitation for determination of lead and iron in several samples using flame atomic absorption spectrometry. *Analytica Chimica Acta*, **2006**, 575, 133-7	6.6	62
90	Statistical design-principal component analysis optimization of a multiple response procedure using cloud point extraction and simultaneous determination of metals by ICP OES. *Analytica Chimica Acta*, **2006**, 580, 251-7	6.6	59
89	Feasibility of employing permanent chemical modifiers for the determination of cadmium in coal using slurry sampling electrothermal atomic absorption spectrometry. *Microchemical Journal*, **2006**, 82, 174-182	4.8	24
88	Determination of manganese and zinc in powdered chocolate samples by slurry sampling using sequential multi-element flame atomic absorption spectrometry. *Microchemical Journal*, **2006**, 82, 159-162	4.8	24
87	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. *Mikrochimica Acta*, **2006**, 154, 149-152	5.8	27
86	A Pre-Concentration Procedure Using Cloud Point Extraction for the Determination of Uranium in Natural Water. *Mikrochimica Acta*, **2006**, 154, 163-167	5.8	53
85	Cloud Point Extraction as a Procedure of Separation and Pre-Concentration for Metal Determination Using Spectroanalytical Techniques: A Review. *Applied Spectroscopy Reviews*, **2005**, 40, 269-299	4.5	316
84	Palladium as chemical modifier for the stabilization of volatile nickel and vanadium compounds in crude oil using graphite furnace atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2005**, 20, 1332	3.7	34
83	Application of multivariate technique in method development for the direct determination of copper in petroleum condensate using graphite furnace atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2005**, 20, 127-129	3.7	17
82	Optimisation of focused-microwave assisted digestion procedure for Kjeldahl nitrogen determination in bean samples by factorial design and Doehlert design. *Talanta*, **2005**, 65, 710-5	6.2	17
81	Factorial design in the optimization of preconcentration procedure for lead determination by FAAS. *Talanta*, **2005**, 65, 895-9	6.2	105
80	Determination of cadmium and lead in table salt by sequential multi-element flame atomic absorption spectrometry. *Talanta*, **2005**, 65, 960-4	6.2	60
79	Behaviour of chemical modifiers in the determination of arsenic by electrothermal atomic absorption spectrometry in petroleum products. *Talanta*, **2005**, 67, 195-204	6.2	18
78	Multivariate optimisation of the experimental conditions for determination of three methylxanthines by reversed-phase high-performance liquid chromatography. *Talanta*, **2005**, 67, 1007-13	6.2	49
77	Determination of copper in powdered chocolate samples by slurry-sampling flame atomic-absorption spectrometry. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 1099-102	4.4	39

76	Application of BoxâBehnken design in the optimisation of an on-line pre-concentration system using knotted reactor for cadmium determination by flame atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2005**, 60, 737-742	3.1	98
75	Field sampling system for determination of cadmium and nickel in fresh water by flame atomic absorption spectrometry. *Journal of the Brazilian Chemical Society*, **2005**, 16, 727-732	1.5	8
74	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	1.5	20
73	Use of factorial design for optimization of microwave-assisted digestion of lubricating oil. *Journal of the Brazilian Chemical Society*, **2005**, 16, 1269-1274	1.5	25
72	Spectrophotometric determination of chromium in steel with 4-(2- thiazolylazo)-resorcinol (TAR) using microwave radiation. *Journal of the Brazilian Chemical Society*, **2004**, 15, 153-157	1.5	7
71	Factorial Design and Doehlert Matrix in Optimization of Flow System for Preconcentration of Copper on Polyurethane Foam Loaded with 4-(2-Pyridylazo)-resorcinol. *Analytical Letters*, **2004**, 37, 1437-1455	2.2	27
70	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. *Journal of Analytical Atomic Spectrometry*, **2004**, 19, 246-249	3.7	23
69	Multivariate Optimization in Preconcentration Procedure for Manganese Determination in Seawater Samples by FAAS. *Mikrochimica Acta*, **2004**, 146, 271-278	5.8	20
68	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. *Analytical and Bioanalytical Chemistry*, **2004**, 378, 798-803	4.4	33
67	Multivariate optimization and validation studies in on-line pre-concentration system for lead determination in drinking water and saline waste from oil refinery. *Microchemical Journal*, **2004**, 77, 123-129	4.8	69
66	Optimization of the preconcentration system of cadmium with 1(2-thiazolylazo)-p-cresol using a knotted reactor and flame atomic absorption spectrometric detection. *Journal of Hazardous Materials*, **2004**, 112, 279-83	12.8	20
65	Characterization and determination of the thermodynamic and kinetic properties of the adsorption of the molybdenum(VI)-calmagite complex onto active carbon. *Journal of Colloid and Interface Science*, **2004**, 270, 276-80	9.3	30
64	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. *Microchemical Journal*, **2004**, 77, 163-175	4.8	118
63	Procedures of Separation and Pre-concentration for Molybdenum Determination Using Atomic Spectrometryâ Review. *Applied Spectroscopy Reviews*, **2004**, 39, 457-474	4.5	12
62	Doehlert matrix: a chemometric tool for analytical chemistry-review. *Talanta*, **2004**, 63, 1061-7	6.2	430
61	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. *Talanta*, **2004**, 63, 1077-82	6.2	19
60	Use of factorial design and Doehlert matrix for multivariate optimisation of an on-line preconcentration system for lead determination by flame atomic absorption spectrometry. *Analytical and Bioanalytical Chemistry*, **2003**, 375, 443-9	4.4	50
59	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. *Microchemical Journal*, **2003**, 75, 211-221	4.8	53

58	Application of Doehlert designs for optimisation of an on-line preconcentration system for copper determination by flame atomic absorption spectrometry. *Talanta*, **2003**, 61, 295-303	6.2	48
57	The determination of molybdenum in water and biological samples by graphite furnace atomic spectrometry after polyurethane foam column separation and preconcentration. *Talanta*, **2003**, 61, 789-95	6.2	41
56	Arsenic determination in naphtha by electrothermal atomic absorption spectrometry after preconcentration using multiple injections. *Journal of Analytical Atomic Spectrometry*, **2003**, 18, 1267	3.7	25
55	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. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2002**, 57, 1939-1950	3.1	118
54	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. *Journal of Analytical Atomic Spectrometry*, **2002**, 17, 115-120	3.7	46
53	An on-line system for preconcentration and determination of lead in wine samples by FAAS. *Talanta* , **2002**, 58, 475-80	6.2	53
52	Molybdenum determination in iron matrices by ICP-AES after separation and preconcentration using polyurethane foam. *Freseniusr Journal of Analytical Chemistry*, **2001**, 369, 187-90		17
51	Solid Phase Spectrophotometry for the Determination of Cobalt in Pharmaceutical Preparations. *Mikrochimica Acta*, **2001**, 137, 29-33	5.8	28
50	An automated on-line flow system for the pre-concentration and determination of lead by flame atomic absorption spectrometry. *Microchemical Journal*, **2001**, 68, 41-46	4.8	31
49	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. *Analytica Chimica Acta*, **2001**, 441, 281-289	6.6	62
48	On-line preconcentration system for nickel determination in food samples by flame atomic absorption spectrometry. *Analytica Chimica Acta*, **2001**, 445, 145-151	6.6	85
47	Enrichment and determination of molybdenum in geological samples and seawater by ICP-AES using calmagite and activated carbon. *Analytica Chimica Acta*, **2001**, 426, 79-84	6.6	42
46	Flow injection determination of cobalt after its sorption onto polyurethane foam loaded with 2-(2-thiazolylazo)-p-cresol (TAC). *Talanta*, **2001**, 54, 61-7	6.2	40
45	An on-line continuous flow system for copper enrichment and determination by flame atomic absorption spectroscopy. *Analytica Chimica Acta*, **2000**, 403, 259-264	6.6	80
44	A separation method to overcome the interference of aluminium on zinc determination by inductively coupled plasma atomic emission spectroscopy. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2000**, 55, 389-394	3.1	18
43	Application of polyurethane foam loaded with BTAC in an on-line preconcentration system: cadmium determination by FAAS. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2000**, 55, 1497-1502	3.1	45
42	Determination of cadmium by FAAS after on-line enrichment using a mini column packed with Amberlite XAD-2 loaded with TAM. *Microchemical Journal*, **2000**, 65, 59-65	4.8	38
41	Nickel and zinc determination by flow-injection solid-phase spectrophotometry exploiting different sorption rates. *Talanta*, **2000**, 51, 1027-33	6.2	22

40	Copper determination in natural water samples by using FAAS after preconcentration onto amberlite XAD-2 loaded with calmagite. *Talanta*, **2000**, 50, 1253-9	6.2	75
39	Spectrophotometric determination of uranium using 2-(2- Thiazolylazo)-p-Cresol (TAC) in the presence of surfactants. *Journal of the Brazilian Chemical Society*, **1999**, 10, 519-522	1.5	33
38	An on-line solid phase extraction system using polyurethane foam for the spectrophotometric determination of nickel in silicates and alloys. *Analytica Chimica Acta*, **1999**, 378, 287-292	6.6	38
37	Flow-injection solid-phase spectrophotometry for the determination of zinc in pharmaceutical preparations. *Analytica Chimica Acta*, **1999**, 383, 309-315	6.6	34
36	Selectivity enhancement in spectrophotometry: on-line interference suppression using polyurethane foam minicolumn for aluminum determination with Methyl Thymol Blue. *Analyst, The*, **1999**, 124, 805-808	5	28
35	On-line preconcentration system for flame atomic absorption spectrometry using unloaded polyurethane foam: determination of zinc in waters and biological materials. *Journal of Analytical Atomic Spectrometry*, **1999**, 14, 1749-1753	3.7	32
34	Nickel determination in saline matrices by ICP-AES after sorption on Amberlite XAD-2 loaded with PAN. *Talanta*, **1999**, 48, 1173-7	6.2	99
33	Separation and Preconcentration of Cobalt after Sorption onto Amberlite XAD-2 Loaded with 2-(2-Thiazolylazo)-p-cresol.. *Analytical Sciences*, **1999**, 15, 189-191	1.7	33
32	Uso de irradiação de microondas na determinação espectrofotométrica de cromo com EDTA. *Quimica Nova*, **1999**, 22, 194-196	1.6	5
31	Polyurethane foam as a sorbent for continuous flow analysis: Preconcentration and spectrophotometric determination of zinc in biological materials. *Analytica Chimica Acta*, **1998**, 366, 263-269	6.6	43
30	2-(2-Thiazolylazo)-p-cresol as a spectrophotometric reagent for vanadium determination in the presence of ascorbic acid. *Mikrochimica Acta*, **1998**, 129, 103-106	5.8	6
29	Spectrophotometric determination of vanadium(IV) in the presence of vanadium(V) using Br-PADAP. *Mikrochimica Acta*, **1998**, 130, 41-45	5.8	8
28	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. *Talanta*, **1998**, 46, 1279-83	6.2	18
27	Quantitative separation of zinc traces from cadmium matrices by solid-phase extraction with polyurethane foam. *Talanta*, **1998**, 46, 1525-30	6.2	21
26	Spectrophotometric Determination of Aluminium in Iron Ores Using Solid-Phase Extraction. *Journal of the Brazilian Chemical Society*, **1998**, 9, 151-156	1.5	6
25	Preconcentration and Determination of Copper and Zinc in Natural Water Samples by ICP-AES After Complexation and Sorption on Amberlite XAD-2. *Journal of the Brazilian Chemical Society*, **1998**, 9, 525-530	1.5	14
24	Determination of Nickel in Alkaline Salts by Inductively Coupled Plasma Atomic Emission Spectroscopy Using 1-(2-Thiazolylazo)-p-Cresol for Preconcentration and Separation. *Analytical Letters*, **1997**, 30, 2251-2260	2.2	4
23	Spectrophotometric and inductively coupled plasma atomic emission spectrometric determination of titanium in ilmenites after rapid dissolution with phosphoric acid. *Talanta*, **1997**, 44, 165-8	6.2	10

22	Determination of iron in alkaline salts by ICP-AES using 1-(2-Thiazolylazo)-p-cresol (TAC) for preconcentration and separation. *Journal of the Brazilian Chemical Society*, **1997**, 8, 621-624	1.5	12
21	Sensitive spectrophotometric determination of ascorbic acid in fruit juices and pharmaceutical formulations using 2-(5-bromo-2-pyridylazo)-5-diethylaminophenol (Br-PADAP). *Freseniusr Journal of Analytical Chemistry*, **1997**, 357, 1174-1178		35
20	Derivative spectrophotometric determination of nickel using Br-PADAP. *Talanta*, **1996**, 43, 1649-56	6.2	23
19	Fast spectrophotometric determination of titanium in rocks with 3,4-dihydroxybenzoic acid. *Mikrochimica Acta*, **1996**, 122, 95-99	5.8	3
18	Spectrophotometric and derivative spectrophotometric determination of nickel with hydroxynaphthol blue. *Mikrochimica Acta*, **1996**, 122, 109-115	5.8	6
17	The Spectrophotometric and Derivative Spectrophotometric Determination of Cobalt in the Presence of Large Amounts of Nickel Using Br-PADAP. *Journal of the Brazilian Chemical Society*, **1996**, 7, 109-114	1.5	6
16	Spectrophotometric determination of zinc in copper-base alloys with TAN. *Mikrochimica Acta*, **1995**, 118, 123-129	5.8	9
15	Spectrophotometric determination of tin in copper-based alloys using pyrocatechol violet. *Talanta*, **1995**, 42, 1973-8	6.2	23
14	Use of 1-(2-thiazolylazo) 2-naphthol in rapid determination of iron in geological matrices. *Talanta*, **1994**, 41, 1937-41	6.2	10
13	Spectrophotometric and derivative spectrophotometric determination of aluminium with Hydroxynaphthol Blue. *Talanta*, **1994**, 41, 1631-6	6.2	8
12	Cathodic adsorptive stripping voltammetry of nickel complexed with hydroxynaphthol blue at a static mercury drop electrode. *Talanta*, **1993**, 40, 1167-71	6.2	9
11	Simultaneous spectrophotometric determination of nickel and iron in copper-base alloy with bromo-PADAP. *Talanta*, **1993**, 40, 1267-71	6.2	11
10	3,4-Dihydroxybenzoic Acid As A Reagent for the Spectrophotometric Determination of Titanium. *Analytical Letters*, **1993**, 26, 1001-1011	2.2	5
9	Adsorptive preconcentration for voltammetric measurements of trace levels of vanadium in the presence of copper. *Analytica Chimica Acta*, **1993**, 271, 209-215	6.6	11
8	2-(2-Thiazolylazo)-pcresol (TAC) as a reagent for the spectrophotometric determination of titanium (IV). *Mikrochimica Acta*, **1993**, 111, 119-125	5.8	7
7	Adsorptive Preconcentration for Voltammetric Measurements of Trace Level of Iron (III) With 2- (2-Thiazolylazo)-4-Methylphenol. *Analytical Letters*, **1992**, 25, 1929-1939	2.2	6
6	Sequential determination of iron and titanium by flow-injection analysis. *Talanta*, **1992**, 39, 1229-32	6.2	7
5	Adsorptive stripping voltammetric behaviour of copper complexes of some heterocyclic azo compounds. *Talanta*, **1992**, 39, 1245-53	6.2	15

4	2-(2-Thiazolylazo)-p-cresol (TAC) as a reagent for the spectrophotometric determination of indium(III). *Microchemical Journal*, **1991**, 44, 63-66	4.8	14
3	2-(2-Thiazolylazo)-p-cresol(TAC) as a Reagent for the Spectrophotometric Determination of Lead(II). *Analytical Letters*, **1991**, 24, 1675-1684	2.2	23
2	Spectrophotometric determination of nickel in copper-base alloy with 2-(2-thiazolylazo)-p-cresol. *Talanta*, **1988**, 35, 485-6	6.2	9
1	Sequential and Simultaneous Determination of Cd, Fe and Ni in Toothpastes Employing Slurry Sampling High-Resolution Continuum Source Graphite Furnace Atomic Absorption Spectrometry. *Analytical Letters*,1-15	2.2	1