

Erico Mm Flores

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2291492/erico-mm-flores-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

333 papers	8,216 citations	46 h-index	65 g-index
345 ext. papers	9,097 ext. citations	4.3 avg, IF	6.02 L-index

#	Paper	IF	Citations
333	Diphenyl diselenide and ascorbic acid changes deposition of selenium and ascorbic acid in liver and brain of mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2001 , 88, 119-25		344
332	Mercury toxicity induces oxidative stress in growing cucumber seedlings. <i>Chemosphere</i> , 2006 , 65, 999-1004	10.6	189
331	Sulfur removal from hydrotreated petroleum fractions using ultrasound-assisted oxidative desulfurization process. <i>Fuel</i> , 2011 , 90, 2158-2164	7.1	133
330	Metals in the water, sediment, and tissues of two fish species from different trophic levels in a subtropical Brazilian river. <i>Microchemical Journal</i> , 2013 , 106, 61-66	4.8	119
329	Analytical methods for the determination of halogens in bioanalytical sciences: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7615-42	4.4	117
328	Determination of metals and metalloids in light and heavy crude oil by ICP-MS after digestion by microwave-induced combustion. <i>Microchemical Journal</i> , 2010 , 96, 4-11	4.8	107
327	Sample preparation techniques based on combustion reactions in closed vessels â a brief overview and recent applications. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 1051-1064	3.1	104
326	Determination of halogens in coal after digestion using the microwave-induced combustion technique. <i>Analytical Chemistry</i> , 2008 , 80, 1865-70	7.8	100
325	Sample preparation methods for subsequent determination of metals and non-metals in crude oil--a review. <i>Analytica Chimica Acta</i> , 2012 , 746, 15-36	6.6	95
324	Cadmium and mineral nutrient accumulation in potato plantlets grown under cadmium stress in two different experimental culture conditions. <i>Plant Physiology and Biochemistry</i> , 2009 , 47, 814-21	5.4	86
323	Ultrasound-assisted oxidative process for sulfur removal from petroleum product feedstock. <i>Ultrasonics Sonochemistry</i> , 2009 , 16, 732-6	8.9	82
322	Synthesis of ZnAl ₂ O ₄ nanoparticles by different routes and the effect of its pore size on the photocatalytic process. <i>Microporous and Mesoporous Materials</i> , 2012 , 163, 29-33	5.3	81
321	Chlorine and sulfur determination in extra-heavy crude oil by inductively coupled plasma optical emission spectrometry after microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 554-558	3.1	80
320	Biological studies on Brazilian plants used in wound healing. <i>Journal of Ethnopharmacology</i> , 2009 , 122, 523-32	5	79
319	Iodine determination in food by inductively coupled plasma mass spectrometry after digestion by microwave-induced combustion. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1125-31	4.4	79
318	Effect of resistant starch and chitosan on survival of <i>Lactobacillus acidophilus</i> microencapsulated with sodium alginate. <i>LWT - Food Science and Technology</i> , 2016 , 65, 511-517	5.4	73
317	Microwave-assisted sample combustion: a technique for sample preparation in trace element determination. <i>Analytical Chemistry</i> , 2004 , 76, 3525-9	7.8	71

3 ¹⁶	Production of carotenoids from microalgae cultivated using agroindustrial wastes. <i>Food Research International</i> , 2014 , 65, 144-148	7	69
3 ¹⁵	Microwave-assisted diluted acid digestion for trace elements analysis of edible soybean products. <i>Food Chemistry</i> , 2015 , 175, 212-7	8.5	68
3 ¹⁴	Digestion of biological materials using the microwave-assisted sample combustion technique. <i>Microchemical Journal</i> , 2006 , 82, 183-188	4.8	67
3 ¹³	Microwave-assisted digestion methods: towards greener approaches for plasma-based analytical techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1448-1466	3.7	65
3 ¹²	Determination of inorganic and total mercury by vapor generation atomic absorption spectrometry using different temperatures of the measurement cell. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 705-710	3.1	65
3 ¹¹	Inulin, hi-maize, and trehalose as thermal protectants for increasing viability of <i>Lactobacillus acidophilus</i> encapsulated by spray drying. <i>LWT - Food Science and Technology</i> , 2018 , 89, 128-133	5.4	63
3 ¹⁰	Understanding the process of microwave-assisted digestion combining diluted nitric acid and oxygen as auxiliary reagent. <i>Microchemical Journal</i> , 2011 , 99, 193-196	4.8	62
3 ⁰⁹	S-(+)-Linalool from <i>Lippia alba</i> : sedative and anesthetic for silver catfish (<i>Rhamdia quelen</i>). <i>Veterinary Anaesthesia and Analgesia</i> , 2014 , 41, 621-9	1.3	57
3 ⁰⁸	Determination of toxic elements in coal by ICP-MS after digestion using microwave-induced combustion. <i>Talanta</i> , 2010 , 83, 364-9	6.2	57
3 ⁰⁷	Evaluation of sample preparation methods for polymer digestion and trace elements determination by ICPMS and ICPOES. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1849	3.7	56
3 ⁰⁶	Application of Zn ₂ SnO ₄ photocatalyst prepared by microwave-assisted hydrothermal route in the degradation of organic pollutant under sunlight. <i>Ceramics International</i> , 2013 , 39, 4569-4574	5.1	54
3 ⁰⁵	Effect of ultrasonic frequency on separation of water from heavy crude oil emulsion using ultrasonic baths. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 541-546	8.9	53
3 ⁰⁴	Evaluation of oxygen pressurized microwave-assisted digestion of botanical materials using diluted nitric acid. <i>Talanta</i> , 2011 , 83, 1324-8	6.2	53
3 ⁰³	Microwave-assisted digestion in closed vessels: effect of pressurization with oxygen on digestion process with diluted nitric acid. <i>Analytical Methods</i> , 2010 , 2, 734	3.2	53
3 ⁰²	Chloride determination by ion chromatography in petroleum coke after digestion by microwave-induced combustion. <i>Journal of Chromatography A</i> , 2008 , 1213, 249-52	4.5	53
3 ⁰¹	Effects of zinc and cadmium on HgCl ₂ -delta-ALA-D inhibition and Hg levels in tissues of suckling rats. <i>Toxicology Letters</i> , 2003 , 146, 17-25	4.4	53
3 ⁰⁰	Effects of Hg(II) exposure on MAPK phosphorylation and antioxidant system in <i>D. melanogaster</i> . <i>Environmental Toxicology</i> , 2014 , 29, 621-30	4.2	52
299	Study and determination of elemental impurities by ICP-MS in active pharmaceutical ingredients using single reaction chamber digestion in compliance with USP requirements. <i>Talanta</i> , 2015 , 136, 161-9	6.2	51

298	Effect of resistant starch (Hi-maize) on the survival of <i>Lactobacillus acidophilus</i> microencapsulated with sodium alginate. <i>Journal of Functional Foods</i> , 2016 , 21, 321-329	5.1	50
297	Locomotor damage and brain oxidative stress induced by lead exposure are attenuated by gallic acid treatment. <i>Toxicology Letters</i> , 2011 , 203, 74-81	4.4	50
296	Improvement of microwave-assisted digestion of milk powder with diluted nitric acid using oxygen as auxiliary reagent. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011 , 66, 394-398	3.1	50
295	Rapid and facile preparation of zinc ferrite (ZnFe ₂ O ₄) oxide by microwave-solvothermal technique and its catalytic activity in heterogeneous photo-Fenton reaction. <i>Materials Chemistry and Physics</i> , 2015 , 160, 141-147	4.4	49
294	Nickel, vanadium and sulfur determination by inductively coupled plasma optical emission spectrometry in crude oil distillation residues after microwave-induced combustion. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 911	3.7	49
293	Antioxidant protection of gallic acid against toxicity induced by Pb in blood, liver and kidney of rats. <i>Toxicology Reports</i> , 2016 , 3, 351-356	4.8	48
292	Determination of cadmium and lead at sub-ppt level in soft drinks: An efficient combination between dispersive liquid-liquid microextraction and graphite furnace atomic absorption spectrometry. <i>Food Chemistry</i> , 2017 , 221, 907-912	8.5	48
291	Focused microwave-induced combustion: a new technique for sample digestion. <i>Analytical Chemistry</i> , 2010 , 82, 2155-60	7.8	48
290	Microwave-induced combustion of carbon nanotubes for further halogen determination. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1268	3.7	48
289	Determination of elemental impurities in pharmaceutical products and related matrices by ICP-based methods: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4547-66	4.4	48
288	Bromine and iodine determination in active pharmaceutical ingredients by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 1889	3.7	46
287	Determination of mercury in mineral coal using cold vapor generation directly from slurries, trapping in a graphite tube, and electrothermal atomization. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001 , 56, 1605-1614	3.1	46
286	Feasibility of low frequency ultrasound for water removal from crude oil emulsions. <i>Ultrasonics Sonochemistry</i> , 2015 , 25, 70-5	8.9	45
285	Feasibility of Microwave-Induced Combustion for Digestion of Crude Oil Vacuum Distillation Residue for Chlorine Determination. <i>Energy & Fuels</i> , 2009 , 23, 6015-6019	4.1	44
284	Seafood digestion by microwave-induced combustion for total arsenic determination by atomic spectrometry techniques with hydride generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 224-227	3.7	44
283	EOryzanol protects against acute cadmium-induced oxidative damage in mice testes. <i>Food and Chemical Toxicology</i> , 2013 , 55, 526-32	4.7	43
282	Delayed biochemical changes induced by mercury intoxication are prevented by zinc pre-exposure. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 480-6	7	43
281	Metallothionein, zinc, and mercury levels in tissues of young rats exposed to zinc and subsequently to mercury. <i>Life Sciences</i> , 2007 , 81, 1264-71	6.8	43

280	Bromine, Chlorine, and Iodine Determination in Soybean and its Products by ICP-MS After Digestion Using Microwave-Induced Combustion. <i>Food Analytical Methods</i> , 2013 , 6, 1065-1070	3.4	4 ¹
279	High-efficiency microwave-assisted digestion combined to in situ ultraviolet radiation for the determination of rare earth elements by ultrasonic nebulization ICPMS in crude oils. <i>Analytical Chemistry</i> , 2013 , 85, 11034-40	7.8	4 ¹
278	Total Acid Number Determination in Residues of Crude Oil Distillation Using ATR-FTIR and Variable Selection by Chemometric Methods. <i>Energy & Fuels</i> , 2010 , 24, 5474-5478	4.1	4 ¹
277	Arsenic speciation in white wine by LC-ICP-MS. <i>Food Chemistry</i> , 2011 , 126, 1406-1411	8.5	4 ¹
276	Application of microwave induced combustion in closed vessels for carbon black-containing elastomers decomposition. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 1065-1071	3.1	4 ¹
275	Potentiometric determination of fluoride in geological and biological samples following pyrohydrolytic decomposition. <i>Analytica Chimica Acta</i> , 2002 , 466, 117-123	6.6	4 ¹
274	Production of microcapsules containing Bifidobacterium BB-12 by emulsification/internal gelation. <i>LWT - Food Science and Technology</i> , 2017 , 76, 216-221	5.4	4 ⁰
273	Comparative deposition of diphenyl diselenide in liver, kidney, and brain of mice. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003 , 70, 470-6	2.7	4 ⁰
272	Determination of trace elements in fluoropolymers after microwave-induced combustion. <i>Analytical Chemistry</i> , 2013 , 85, 374-80	7.8	39
271	Anesthetic activity and bio-guided fractionation of the essential oil of <i>Aloysia gratissima</i> (Gillies & Hook.) Tronc. in silver catfish <i>Rhamdia quelen</i> . <i>Anais Da Academia Brasileira De Ciencias</i> , 2015 , 87, 1675-89 ¹⁴	1.4	39
270	Efficient H ₂ O ₂ /CH ₃ COOH oxidative desulfurization/denitrification of liquid fuels in sonochemical flow-reactors. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 283-8	8.9	39
269	Evaluation of sample preparation methods for elastomer digestion for further halogens determination. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 563-70	4.4	39
268	Determination of Sulfur in Petroleum Coke Combining Closed Vessel Microwave-Induced Combustion and Inductively Coupled Plasma-Optical Emission Spectrometry. <i>Analytical Letters</i> , 2008 , 41, 1623-1632	2.2	39
267	Dispersive liquid-liquid microextraction: An efficient approach for the extraction of Cd and Pb from honey and determination by flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2015 , 123, 211-217	4.8	38
266	Total sulfur determination in residues of crude oil distillation using FT-IR/ATR and variable selection methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 89, 82-74 ⁴	7.4	38
265	Microwave-induced combustion method for the determination of trace and ultratrace element impurities in graphite samples by ICP-OES and ICP-MS. <i>Microchemical Journal</i> , 2015 , 123, 28-32	4.8	38
264	Ultrasound-assisted post-packaging pasteurization of sausages. <i>Innovative Food Science and Emerging Technologies</i> , 2015 , 30, 132-137	6.8	37
263	Feasibility of dispersive liquid-liquid microextraction for extraction and preconcentration of Cu and Fe in red and white wine and determination by flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 105, 136-140	3.1	37

262	Evaluation of microwave and ultrasound extraction procedures for arsenic speciation in bivalve mollusks by liquid chromatographyâInductively coupled plasma-mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013 , 86, 108-114	3.1	36
261	Determination of Bromide, Chloride, and Fluoride in Cigarette Tobacco by Ion Chromatography after Microwave-Induced Combustion. <i>Analytical Letters</i> , 2012 , 45, 1004-1015	2.2	36
260	Chemical phosphorus removal: a clean strategy for piggery wastewater management in Brazil. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 1677-83	2.6	36
259	A new approach for fluorine determination by solid sampling graphite furnace molecular absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 918-923	3.1	36
258	Simultaneous determination of bromine and iodine in milk powder for adult and infant nutrition by plasma based techniques after digestion using microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 107, 86-92	3.1	35
257	Microwave-induced combustion of crude oil for further rare earth elements determination by USN-ICP-MS. <i>Analytica Chimica Acta</i> , 2014 , 844, 8-14	6.6	35
256	Effect of simultaneous cooling on microwave-assisted wet digestion of biological samples with diluted nitric acid and O2 pressure. <i>Analytica Chimica Acta</i> , 2014 , 837, 16-22	6.6	35
255	Focused microwave-induced combustion for digestion of botanical samples and metals determination by ICP OES and ICP-MS. <i>Talanta</i> , 2012 , 94, 308-14	6.2	35
254	Organic, inorganic and total mercury determination in fish by chemical vapor generation with collection on a gold gauze and electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 513-519	3.1	35
253	Microwave-assisted ultraviolet digestion of petroleum coke for the simultaneous determination of nickel, vanadium and sulfur by ICP-OES. <i>Talanta</i> , 2015 , 144, 1052-8	6.2	34
252	Health risk assessment and soil and plant heavy metal and bromine contents in field plots after ten years of organic and mineral fertilization. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 153, 142-150	7	34
251	Metals determination in milk powder samples for adult and infant nutrition after focused-microwave induced combustion. <i>Microchemical Journal</i> , 2013 , 109, 29-35	4.8	34
250	Determination of total organic halogen (TOX) in humic acids after microwave-induced combustion. <i>Chemosphere</i> , 2011 , 83, 281-6	8.4	34
249	Evaluation of soybean seed protein extraction focusing on metalloprotein analysis. <i>Mikrochimica Acta</i> , 2007 , 158, 173-180	5.8	34
248	Feasibility of ultra-trace determination of bromine and iodine in honey by ICP-MS using high sample mass in microwave-induced combustion. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7957-64	4.4	33
247	Development and characterization of microcapsules containing Bifidobacterium Bb-12 produced by complex coacervation followed by freeze drying. <i>LWT - Food Science and Technology</i> , 2018 , 90, 412-417	5.4	33
246	Ultrasound-Assisted Oxidative Desulfurization/Denitrification of Liquid Fuels with Solid Oxidants. <i>Energy & Fuels</i> , 2014 , 28, 1854-1859	4.1	33
245	Moderate hypoxia is able to minimize the manganese-induced toxicity in tissues of silver catfish (<i>Rhamdia quelen</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013 , 91, 103-9	7	33

244	Sample preparation strategies for bioinorganic analysis by inductively coupled plasma mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011 , 307, 123-136	1.9	33
243	Spatial variation in natural formation of chloroform in the soils of four coniferous forests. <i>Biogeochemistry</i> , 2011 , 103, 317-334	3.8	33
242	Simultaneous determination of sulphamethoxazole and trimethoprim in powder mixtures by attenuated total reflection-Fourier transform infrared and multivariate calibration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009 , 49, 800-5	3.5	33
241	Multitechnique Determination of Halogens in Soil after Selective Volatilization Using Microwave-Induced Combustion. <i>Analytical Chemistry</i> , 2017 , 89, 980-987	7.8	32
240	Feasibility of halogen determination in noncombustible inorganic matrices by ion chromatography after a novel volatilization method using microwave-induced combustion. <i>Talanta</i> , 2016 , 147, 76-81	6.2	32
239	Bioaccumulation and oxidative stress parameters in silver catfish (<i>Rhamdia quelen</i>) exposed to different thorium concentrations. <i>Chemosphere</i> , 2009 , 77, 384-91	8.4	32
238	Evaluation of Hg species after culinary treatments of fish. <i>Food Control</i> , 2015 , 47, 413-419	6.2	31
237	Ultrasound-assisted extraction of rare-earth elements from carbonatite rocks. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 24-29	8.9	31
236	Evaluation of drying conditions of fish tissues for inorganic mercury and methylmercury speciation analysis. <i>Microchemical Journal</i> , 2013 , 108, 53-59	4.8	31
235	Use of prebiotic sources to increase probiotic viability in pectin microparticles obtained by emulsification/internal gelation followed by freeze-drying. <i>Food Research International</i> , 2020 , 130, 108902	7.2	31
234	External calibration strategy for trace element quantification in botanical samples by LA-ICP-MS using filter paper. <i>Analytica Chimica Acta</i> , 2016 , 905, 51-7	6.6	31
233	Determination of bromine and iodine in shrimp and its parts by ICP-MS after decomposition using microwave-induced combustion. <i>Analytical Methods</i> , 2014 , 6, 7540	3.2	30
232	Determination of fluoride in coal using pyrohydrolysis for analyte separation. <i>Journal of the Brazilian Chemical Society</i> , 2003 , 14, 334-338	1.5	30
231	Speciation and degradation of triphenyltin in typical paddy fields and its uptake into rice plants. <i>Environmental Science & Technology</i> , 2011 , 45, 10524-30	10.3	29
230	Study of Metal Distribution in Raw and Screened Swine Manure. <i>Clean - Soil, Air, Water</i> , 2009 , 37, 239-244.	6.6	29
229	Ultraviolet radiation combined with microwave-assisted wet digestion of Antarctic seaweeds for further determination of toxic elements by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 260-266	3.7	28
228	Attenuated total reflectance with Fourier transform infrared spectroscopy (ATR/FTIR) and different PLS Algorithms for simultaneous determination of clavulanic acid and amoxicillin in powder pharmaceutical formulation. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 1903-1912	1.5	28
227	Furfural production from lignocellulosic biomass by ultrasound-assisted acid hydrolysis. <i>Ultrasonics Sonochemistry</i> , 2019 , 51, 332-339	8.9	28

226	Determination of toxic elements in tricyclic active pharmaceutical ingredients by ICP-MS: a critical study of digestion methods. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 352	3.7	27
225	Mercury determination in soil by CVG-ICP-MS after volatilization using microwave-induced combustion. <i>Analytical Methods</i> , 2012 , 4, 630-636	3.2	27
224	Fast digestion procedure for determination of catalyst residues in La- and Ni-based carbon nanotubes. <i>Analytical Chemistry</i> , 2010 , 82, 4298-303	7.8	27
223	Ultrasound-assisted acid hydrolysis of cellulose to chemical building blocks: Application to furfural synthesis. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 81-88	8.9	26
222	Pyrohydrolysis of carbon nanotubes for Br and I determination by ICP-MS. <i>Microchemical Journal</i> , 2012 , 101, 54-58	4.8	26
221	Determination of Toxic Elements in Nuts by Inductively Coupled Plasma Mass Spectrometry after Microwave-Induced Combustion. <i>Food Analytical Methods</i> , 2013 , 6, 258-264	3.4	26
220	Improvement of the viability of encapsulated probiotics using whey proteins. <i>LWT - Food Science and Technology</i> , 2020 , 117, 108601	5.4	26
219	The synergic effect of microwave and ultraviolet radiation for chocolate digestion and further determination of As, Cd, Ni and Pb by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 523-530	3.7	25
218	Evaluation of nitrogen effect on ultrasound-assisted oxidative desulfurization process. <i>Fuel Processing Technology</i> , 2014 , 126, 521-527	7.2	25
217	Feasibility of microwave-induced combustion for trace element determination in <i>Engraulis anchoita</i> by ICP-MS. <i>Food Chemistry</i> , 2014 , 145, 927-31	8.5	25
216	Determination of bromine, fluorine and iodine in mineral supplements using pyrohydrolysis for sample preparation. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 488-495	1.5	25
215	Influence of citric acid as chemical modifier for lead determination in dietary calcium supplement samples by graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 687-692	3.1	25
214	Minimization of volatile nitrogen oxides interference in the determination of arsenic by hydride generation atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001 , 56, 1883-1891	3.1	25
213	A feasible method for As speciation in several types of seafood by LC-ICP-MS/MS. <i>Food Chemistry</i> , 2018 , 255, 340-347	8.5	24
212	Plasma-based determination of inorganic contaminants in waste of electric and electronic equipment after microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 105, 95-102	3.1	24
211	Heavy crude oil sample preparation by pyrohydrolysis for further determination. <i>Analytical Methods</i> , 2011 , 3, 288-293	3.2	24
210	ZnCl ₂ exposure protects against behavioral and acetylcholinesterase changes induced by HgCl ₂ . <i>International Journal of Developmental Neuroscience</i> , 2009 , 27, 459-68	2.7	24
209	Determination of cadmium, copper and lead in alumina based catalysts by direct solid sampling graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 933-938	3.1	24

208	Determination of antimony(III) and total antimony by hydride generation atomic absorption spectrometry in samples of injectable drugs used for leishmaniasis treatment. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 819-823	3.7	24
207	Hair sample decomposition using polypropylene vials for determination of arsenic by hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2001 , 16, 1419-1423	3.7	24
206	Determination of halogens and sulfur in high-purity polyimide by IC after digestion by MIC. <i>Talanta</i> , 2016 , 158, 193-197	6.2	24
205	Intensification of ultrasonic-assisted crude oil demulsification based on acoustic field distribution data. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 53-59	8.9	23
204	Evaluation of bromine and iodine content of milk whey proteins combining digestion by microwave-induced combustion and ICP-MS determination. <i>Food Chemistry</i> , 2016 , 190, 364-367	8.5	23
203	Comparison of sample digestion techniques for the determination of trace and residual catalyst metal content in single-wall carbon nanotubes by inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 105, 89-94	3.1	23
202	A single consumption of high amounts of the Brazil nuts improves lipid profile of healthy volunteers. <i>Journal of Nutrition and Metabolism</i> , 2013 , 2013, 653185	2.7	23
201	Identification of rosmarinic acid as the major active constituent in <i>Cordia americana</i> . <i>Journal of Ethnopharmacology</i> , 2010 , 128, 561-6	5	23
200	Determination of halogens and sulfur in pitch from crude oil by plasma-based techniques after microwave-induced combustion. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1822-1827	3.7	22
199	Infrared Thermal Imaging: A Tool for Simple, Simultaneous, and High-Throughput Enthalpimetric Analysis. <i>Analytical Chemistry</i> , 2015 , 87, 12065-70	7.8	22
198	Microwave-Assisted Procedure for Salinity Evaluation of Heavy Crude Oil Emulsions. <i>Energy & Fuels</i> , 2010 , 24, 2227-2232	4.1	22
197	A new approach for the digestion of diesel oil by microwave-induced combustion and determination of inorganic impurities by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 408-414	3.7	21
196	A new approach to calibration and determination of selected trace elements in food contact polymers by LA-ICP-MS. <i>Talanta</i> , 2017 , 170, 488-495	6.2	21
195	Arsenic speciation in seafood by LC-ICP-MS/MS: method development and influence of culinary treatment. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1490-1499	3.7	21
194	The effect of enzymatic crosslinking on the viability of probiotic bacteria (<i>Lactobacillus acidophilus</i>) encapsulated by complex coacervation. <i>Food Research International</i> , 2019 , 125, 108577	7	21
193	Microwave-assisted digestion using diluted acids for toxic element determination in medicinal plants by ICP-MS in compliance with United States pharmacopeia requirements. <i>Analytical Methods</i> , 2015 , 7, 5218-5225	3.2	21
192	Determination of metal impurities in carbon nanotubes by direct solid sampling electrothermal atomic absorption spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 1040-1049	1.5	21
191	Evaluation of liquid chromatography inductively coupled plasma mass spectrometry for arsenic speciation in water from industrial treatment of shale. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 978-984	3.1	21

190	2,3-Dimercapto-1-propanol does not alter the porphobilinogen synthase inhibition but decreases the mercury content in liver and kidney of suckling rats exposed to HgCl ₂ . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005 , 96, 302-8	3.1	21
189	Rare earth element determination in heavy crude oil by USN-ICP-MS after digestion using a microwave-assisted single reaction chamber. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 1185-1191	3.7	21
188	Determination of Chlorine in Crude Oil by High-Resolution Continuum Source Graphite Furnace Molecular Absorption Spectrometry Using AlCl, InCl, and SrCl Molecules. <i>Energy & Fuels</i> , 2016 , 30, 3637-3643	4.1	21
187	A fast and feasible method for Br and I determination in whole egg powder and its fractions by ICP-MS. <i>Food Chemistry</i> , 2017 , 221, 877-883	8.5	20
186	Response surface methodology approach for the optimization of tartrazine removal by heterogeneous photo-Fenton process using mesostructured Fe ₂ O ₃ -supported ZSM-5 prepared by chitin-templating. <i>Chemical Engineering Communications</i> , 2018 , 205, 445-455	2.2	20
185	Determination of inorganic pollutants in soil after volatilization using microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013 , 86, 123-130	3.1	20
184	Combining pyrohydrolysis and ICP-MS for bromine and iodine determination in airborne particulate matter. <i>Microchemical Journal</i> , 2014 , 116, 225-229	4.8	20
183	Determination of rare earth elements in graphite by solid sampling electrothermal vaporization-inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 2048-2055	3.7	19
182	Determination of toxic elements in yerba mate by ICP-MS after diluted acid digestion under O pressure. <i>Food Chemistry</i> , 2018 , 263, 37-41	8.5	19
181	Imazethapyr and imazapic, bispyribac-sodium and penoxsulam: zooplankton and dissipation in subtropical rice paddy water. <i>Science of the Total Environment</i> , 2015 , 514, 68-76	10.2	19
180	Feasibility of nut digestion using single reaction chamber for further trace element determination by ICP-OES. <i>Microchemical Journal</i> , 2014 , 116, 255-260	4.8	19
179	Total Mercury, Inorganic Mercury and Methyl Mercury Determination in Red Wine. <i>Food Analytical Methods</i> , 2012 , 5, 505-511	3.4	18
178	Preparo de amostras de combustíveis fósseis por pirólise para a determinação de flúor e cloro. <i>Química Nova</i> , 2010 , 33, 1130-1134	1.6	18
177	Separation of Heavy Crude Oil Emulsions Using Microwave Radiation for Further Crude Oil Analysis. <i>Separation Science and Technology</i> , 2011 , 46, 1358-1364	2.5	18
176	Antioxidant system activation by mercury in <i>Pfaffia glomerata</i> plantlets. <i>BioMetals</i> , 2010 , 23, 295-305	3.4	18
175	Changes in levels of essential elements in suckling rats exposed to zinc and mercury. <i>Chemosphere</i> , 2008 , 72, 1327-32	8.4	18
174	Microwave-induced combustion coupled to flame furnace atomic absorption spectrometry for determination of cadmium and lead in botanical samples. <i>Analytical Chemistry</i> , 2008 , 80, 9369-74	7.8	18
173	Toxicity of cadmium for silver catfish <i>Rhamdia quelen</i> (Heptapteridae) embryos and larvae at different alkalinities. <i>Archives of Environmental Contamination and Toxicology</i> , 2008 , 54, 274-82	3.2	18

172	Interference of nitrite and nitrogen dioxide on mercury and selenium determination by chemical vapor generation atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 731-736	3.1	18
171	Feasibility of sulfur determination in diesel oil by inductively coupled plasma optical emission spectrometry after microwave-induced combustion using flame retardant. <i>Fuel</i> , 2015 , 160, 108-113	7.1	17
170	Mancozeb exposure results in manganese accumulation and Nrf2-related antioxidant responses in the brain of common carp <i>Cyprinus carpio</i> . <i>Environmental Science and Pollution Research</i> , 2018 , 25, 15529-15540	5.1	17
169	Strategies for the determination of trace and toxic elements in pitch: Evaluation of combustion and wet digestion methods for sample preparation. <i>Fuel</i> , 2016 , 163, 175-179	7.1	17
168	Lanthanides determination in red wine using ultrasound assisted extraction, flow injection, aerosol desolvation and ICP-MS. <i>Analytica Chimica Acta</i> , 2012 , 710, 33-9	6.6	17
167	Chromium determination in pharmaceutical grade barium sulfate by solid sampling electrothermal atomic absorption spectrometry with Zeeman-effect background correction. <i>Talanta</i> , 2007 , 74, 119-24	6.2	17
166	Cadmium determination in biological samples by direct solid sampling flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002 , 57, 2187-2193	3.1	17
165	Determination of total arsenic by batch hydride generation atomic absorption spectrometry in injectable drugs containing high levels of Sb(V) as N-methylglucamine antimonate. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002 , 57, 2095-2102	3.1	17
164	Determination of elemental impurities in poly(vinyl chloride) by inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2016 , 152, 371-7	6.2	16
163	Fast TiO ₂ -catalyzed direct amidation of neat carboxylic acids under mild dielectric heating. <i>Catalysis Science and Technology</i> , 2014 , 4, 1395-1399	5.5	16
162	Development of a vaporization system for direct determination of chlorine in petroleum coke by ICP-MS. <i>Microchemical Journal</i> , 2013 , 109, 117-121	4.8	16
161	Biochemistry, cytogenetics and bioaccumulation in silver catfish (<i>Rhamdia quelen</i>) exposed to different thorium concentrations. <i>Aquatic Toxicology</i> , 2008 , 88, 250-6	5.1	16
160	Delta-aminolevulinate dehydratase (delta-ALA-D) activity in diabetes and hypothyroidism. <i>Clinical Biochemistry</i> , 2007 , 40, 321-5	3.5	16
159	Mercury speciation in urban landfill leachate by cold vapor generation atomic absorption spectrometry using ion exchange and amalgamation. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 1659-1666	1.5	16
158	Ultrasound-assisted biomass valorization to industrial interesting products: state-of-the-art, perspectives and challenges. <i>Ultrasonics Sonochemistry</i> , 2021 , 72, 105455	8.9	16
157	Determination of bromine and iodine in edible flours by inductively coupled plasma mass spectrometry after microwave-induced combustion. <i>Microchemical Journal</i> , 2017 , 133, 246-250	4.8	15
156	Encapsulation of <i>Lactobacillus acidophilus</i> and different prebiotic agents by external ionic gelation followed by freeze-drying. <i>Ciencia Rural</i> , 2019 , 49,	1.3	15
155	New insights into the mechanism of heterogeneous activation of nano- γ -magnetite by microwave irradiation for use as Fenton catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103787	6.8	15

154	Simple and fast method for iron determination in white and red wines using dispersive liquid-liquid microextraction and ultraviolet-visible spectrophotometry. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 8340-5	5.7	15
153	Chemical composition and antibacterial activity of <i>Aloysia triphylla</i> (L'Herit) Britton extracts obtained by pressurized CO ₂ extraction. <i>Brazilian Archives of Biology and Technology</i> , 2013 , 56, 283-292	1.8	15
152	Multiple microflame quartz tube atomizer: Study and minimization of interferences in quartz tube atomizers in hydride generation atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 173-178	3.1	15
151	Green method by diffuse reflectance infrared spectroscopy and spectral region selection for the quantification of sulphamethoxazole and trimethoprim in pharmaceutical formulations. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016 , 88, 1-15	1.4	15
150	Accurate determination of bromine and iodine in medicinal plants by inductively coupled plasma-mass spectrometry after microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017 , 138, 58-63	3.1	14
149	Are there feasible strategies for determining bromine and iodine in human hair using interference-free plasma based-techniques?. <i>Analytica Chimica Acta</i> , 2019 , 1060, 45-52	6.6	14
148	Phytochemical characterization and antimicrobial activity of <i>Cymbopogon citratus</i> extract for application as natural antioxidant in fresh sausage. <i>Food Chemistry</i> , 2020 , 319, 126553	8.5	14
147	Characterization of three main degradation products from novel oral anticoagulant rivaroxaban under stress conditions by UPLC-Q-TOF-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 123, 10-5	3.5	14
146	A fast microwave-assisted procedure for loss on drying determination in saccharides. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 376-381	1.5	14
145	Determination of Cd and Pb in medicinal plants using solid sampling flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2009 , 89, 129-140	1.8	14
144	Development of multi-elemental method for quality control of parenteral component solutions using ICP-MS. <i>Microchemical Journal</i> , 2011 , 98, 144-149	4.8	14
143	Direct flame solid sampling for atomic absorption spectrometry: determination of copper in bovine liver. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001 , 56, 1875-1882	3.1	14
142	On-line pre-concentration of Hg in blood and urine and determination by CVAAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 790-793	3.7	14
141	A simple and automated sample preparation system for subsequent halogens determination: Combustion followed by pyrohydrolysis. <i>Analytica Chimica Acta</i> , 2018 , 1010, 29-36	6.6	13
140	Determination of Cl, Br and I in soils by ICP-MS: microwave-assisted wet partial digestion using H ₂ O ₂ in an ultra-high pressure system. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 649-657	3.7	13
139	Determination of trace elements in raw material for polyurethane production using direct sampling graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 324-331	3.7	13
138	Determination of trace impurities in aluminum nitride by direct solid sampling graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011 , 66, 637-643	3.1	13
137	<i>Trypanosoma evansi</i> : levels of copper, iron and zinc in the bloodstream of infected cats. <i>Experimental Parasitology</i> , 2009 , 123, 35-8	2.1	13

136	Determination of tellurium in lead and lead alloy using flow injection-hydride generation atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2004 , 517, 195-200	6.6	13
135	Direct cadmium determination in sediment samples by flame atomic absorption spectrometry using multivariate calibration procedures. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 769-774	3.7	13
134	Influence of the prebiotics hi-maize, inulin and rice bran on the viability of pectin microparticles containing <i>Lactobacillus acidophilus</i> LA-5 obtained by internal gelation/emulsification. <i>Powder Technology</i> , 2020 , 362, 409-415	5.2	13
133	High purity polyimide analysis by solid sampling graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017 , 129, 42-48	3.1	12
132	Immune response of lambs experimentally infected with <i>Haemonchus contortus</i> and parenterally treated with a combination of zinc and copper. <i>Small Ruminant Research</i> , 2015 , 123, 183-188	1.7	12
131	Feasibility of Rare Earth Element Determination in Low Concentration in Crude Oil: Direct Sampling Electrothermal Vaporization-Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 7064-7071	7.8	12
130	Sublethal zinc and copper exposure affect acetylcholinesterase activity and accumulation in different tissues of <i>Leporinus obtusidens</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013 , 90, 12-6	2.7	12
129	Determination of trace elements in paints by direct sampling graphite furnace atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2007 , 602, 23-31	6.6	12
128	Lead content of dietary calcium supplements available in Brazil. <i>Food Additives and Contaminants</i> , 2006 , 23, 133-9		12
127	High frequency of skin reactions in patients with leishmaniasis treated with meglumine antimoniate contaminated with heavy metals: a comparative approach using historical controls. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2003 , 98, 145-9	2.6	12
126	<i>Drosophila melanogaster</i> - an embryonic model for studying behavioral and biochemical effects of manganese exposure. <i>EXCLI Journal</i> , 2014 , 13, 1239-53	2.4	12
125	Toxic and potentially toxic elements determination in cosmetics used for make-up: A critical review. <i>Analytica Chimica Acta</i> , 2020 , 1098, 1-26	6.6	12
124	Microwave-induced combustion: towards a robust and predictable sample preparation method. <i>New Journal of Chemistry</i> , 2017 , 41, 6902-6910	3.6	11
123	Evaluation of nitrates as igniters for microwave-induced combustion: understanding the mechanism of ignition. <i>RSC Advances</i> , 2015 , 5, 9532-9538	3.7	11
122	Selective generation of substituted arsines-cryotrapping-atomic absorption spectrometry for arsenic speciation analysis in N-methylglucamine antimonate. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 1734	3.7	11
121	Assessment of inorganic contaminants in golden mussel (<i>Limnoperna fortunei</i>) in Southern Brazil. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 846-853	1.5	11
120	Trace element analysis of silicon nitride powders by direct solid sampling graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 931	3.7	11
119	Ultrasound-assisted extraction of chromium from residual tanned leather: An innovative strategy for the reuse of waste in tanning industry. <i>Ultrasonics Sonochemistry</i> , 2020 , 64, 104682	8.9	11

118	Arctic and Subarctic Natural Soils Emit Chloroform and Brominated Analogues by Alkaline Hydrolysis of Trihaloacetyl Compounds. <i>Environmental Science & Technology</i> , 2017 , 51, 6131-6138	10.3	10
117	Diphenyl diselenide dietary supplementation protects against methylmercury-chloride-induced immunotoxicity in the head kidney and spleen of grass carp (<i>Ctenopharyngodon idella</i>) via regulation of purinergic signaling and the NLRP3 inflammasome. <i>Comparative Biochemistry and Physiology Part C: Toxicology and Pharmacology</i> , 2019 , 222, 59-64	3.2	10
116	Determination of Se at low concentration in coal by collision/reaction cell technology inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 143, 48-54	3.1	10
115	Feasibility of As, Sb, Se and Te determination in coal by solid sampling electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1384-1393	2.7	10
114	Selenium and tellurium concentrations of Carboniferous British coals. <i>Geological Journal</i> , 2019 , 54, 1401-1412	1.1	10
113	Feasibility of microwave-assisted ultraviolet digestion of polymeric waste electrical and electronic equipment for the determination of bromine and metals (Cd, Cr, Hg, Pb and Sb) by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1789-1797	3.7	10
112	Lactating and nonlactating rats differ to renal toxicity induced by mercuric chloride: the preventive effect of zinc chloride. <i>Cell Biochemistry and Function</i> , 2014 , 32, 420-8	4.2	10
111	Fluoride determination in carbon nanotubes by ion selective electrode. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 1193-1198	1.5	10
110	Determinação espectrofotométrica de cloreto em cimento após preparo de amostra por pirólise. <i>Química Nova</i> , 2013 , 36, 716-719	1.6	10
109	Zinc alleviates mercury-induced oxidative stress in <i>Pfaffia glomerata</i> (Spreng.) Pedersen. <i>BioMetals</i> , 2011 , 24, 959-71	3.4	10
108	Determination of copper in medicinal plants used as dietary supplements by atomic absorption spectrometry with direct flame solid analysis. <i>Microchemical Journal</i> , 2004 , 77, 113-118	4.8	10
107	Use of paper capsules for cadmium determination in biological samples by solid sampling flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 583-588	3.1	10
106	Casca de ovo como fonte de cálcio para humanos: composição mineral e análise microbiológica. <i>Ciencia Rural</i> , 2015 , 45, 560-566	1.3	9
105	Direct sampling graphite furnace atomic absorption spectrometry - feasibility of Na and K determination in desalted crude oil. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 141, 28-33	3.1	9
104	Teores totais de metais pesados no solo após aplicação de dejetos líquidos de suínos. <i>Ciencia Rural</i> , 2012 , 42, 653-659	1.3	9
103	Simultaneous diffuse reflectance infrared determination of clavulanic acid and amoxicillin using multivariate calibration techniques. <i>Drug Testing and Analysis</i> , 2012 , 4, 500-6	3.5	9
102	Effect of wheat bran and flaxseed on cadmium effects and retention in rats. <i>Human and Experimental Toxicology</i> , 2011 , 30, 981-91	3.4	9
101	Influence of cereal bran supplement on cadmium effects in growing rats. <i>Human and Experimental Toxicology</i> , 2010 , 29, 467-76	3.4	9

100	Protective effect of high alkalinity against the deleterious effects of chronic waterborne cadmium exposure on the detection of alarm cues by juvenile silver catfish (<i>Rhamdia quelen</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2009 , 56, 770-5	3.2	9
99	Flow injection turbidimetric determination of total organic carbon with a gas-liquid transfer microreactor. <i>Analytica Chimica Acta</i> , 2001 , 445, 139-144	6.6	9
98	Spectrophotometric determination of ozone in ozonized air currents with chemical gas-liquid transfer using a microreactor. <i>Analytica Chimica Acta</i> , 1999 , 380, 93-99	6.6	9
97	Development of nanoemulsions containing <i>Physalis peruviana</i> calyx extract: A study on stability and antioxidant capacity. <i>Food Research International</i> , 2019 , 125, 108645	7	8
96	Challenges and trends for halogen determination by inductively coupled plasma mass spectrometry: A review. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 3, e8727	2.2	8
95	A Novel application of Cu ₂ FeSnS ₄ particles prepared by solvothermal route as solar photo-Fenton catalyst. <i>Materials Letters</i> , 2018 , 228, 160-163	3.3	8
94	Environmental quality evaluation of the Vacacaí River, Rio Grande do Sul, Brazil. <i>Environmental Earth Sciences</i> , 2013 , 70, 1727-1733	2.9	8
93	Development of a multicommuted flow analysis procedure for simultaneous determination of sulfate and chloride in petroleum coke employing a homemade syringe pump and a LED-based photometer. <i>Analytical Methods</i> , 2015 , 7, 4769-4779	3.2	8
92	Microwave-Induced Combustion 2014 , 143-177		8
91	Toxicity of triphenyltin hydroxide to fish. <i>Archives of Environmental Contamination and Toxicology</i> , 2013 , 65, 733-41	3.2	8
90	Solid sampling coupled to flame furnace atomic absorption spectrometry for Mn and Ni determination in petroleum coke. <i>Microchemical Journal</i> , 2010 , 96, 64-70	4.8	8
89	Flow Injection Spectrophotometric Determination of Carbofuran in Commercial Pesticides Formulations. <i>Analytical Letters</i> , 1999 , 32, 593-600	2.2	8
88	New possibilities for pharmaceutical excipients analysis: Combustion combined with pyrohydrolysis system for further total chlorine determination by ICP-OES. <i>Talanta</i> , 2019 , 199, 124-130	6.2	7
87	A sample preparation method for fluoride detection by potentiometry with ion-selective electrode in medicinal plants. <i>Journal of Fluorine Chemistry</i> , 2020 , 231, 109459	2.1	7
86	Determination of Halogens in Cardboard Gaskets Using Pyrohydrolysis. <i>Analytical Letters</i> , 2016 , 49, 1903-1916	3.1	7
85	Determination of Cd in blood by microwave-induced combustion coupled to flame furnace atomic absorption spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 978-984	1.5	7
84	Response of <i>Cucumis sativus</i> L. seedlings to Pb exposure. <i>Brazilian Journal of Plant Physiology</i> , 2009 , 21, 175-186		7
83	Direct solid sampling by flame atomic absorption spectrometry: determination of manganese in coal samples. <i>Journal of the Brazilian Chemical Society</i> , 2004 , 15, 199-204	1.5	7

82	A Simple Procedure for Decomposition of Human Hair Using Polypropylene Vials for Selenium Determination by Hydride Generation Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 2004 , 148, 157-162	5.8	7
81	Ultra-performance LC-ESI/Q-TOF MS for the Rapid Analysis of Rivaroxaban: Method Validation Using Experimental Design for Robustness Evaluation. <i>Current Analytical Chemistry</i> , 2015 , 11, 124-129	1.7	7
80	Determination of Se and Te in coal at ultra-trace levels by ICP-MS after microwave-induced combustion. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 998-1004	3.7	7
79	Maxwell-Wagner Effect Applied to Microwave-Induced Self-Ignition: A Novel Approach for Carbon-Based Materials. <i>Analytical Chemistry</i> , 2018 , 90, 4363-4369	7.8	6
78	Development, characterization and viability study of probiotic microcapsules produced by complex coacervation followed by freeze-drying. <i>Ciencia Rural</i> , 2019 , 49,	1.3	6
77	Acute exposure to low lead levels and its implications on the activity and expression of cytosolic thioredoxin reductase in the kidney. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014 , 114, 476-84	3.1	6
76	Desorption electrospray ionization mass spectrometry (DESI-MS) applied to the speciation of arsenic compounds from fern leaves. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7643-51	4.4	6
75	Metabolism, intake, and digestibility of lambs supplemented with organic chromium. <i>Biological Trace Element Research</i> , 2013 , 156, 130-3	4.5	6
74	Arsenic determination in pharmaceutical grade barium sulfate using direct solid sampling electrothermal atomic absorption spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 686-693	1.5	6
73	Distribution of Trace Elements in Egg Samples Collected Near Coal Power Plants. <i>Journal of Environmental Quality</i> , 1997 , 26, 744-748	3.4	6
72	Removal of oil from synthetic heavy crude oil-in-water emulsions by the association of glass raschig rings and ultrasound. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-11	1.5	6
71	In vitro stability of arsenic trioxide-liposome encapsulates for acute promyelocytic leukemia treatment. <i>Leukemia Research</i> , 2019 , 76, 11-14	2.7	6
70	Arsenic speciation analysis in rice milk using LC-ICP-MS. <i>Food Chemistry: X</i> , 2019 , 2, 100028	4.7	5
69	Successive digestions for pre-concentration and ultra-trace determination of Br and I by plasma-based atomic spectrometry and ion chromatography. <i>Microchemical Journal</i> , 2019 , 147, 239-244	4.8	5
68	Microwave-assisted solid sampling system for Hg determination in polymeric samples using FF-AAS. <i>Microchemical Journal</i> , 2019 , 147, 463-468	4.8	5
67	Microbatch Venturi-type System for Determination of Selenium(iv) byHydride Generation Atomic Absorption Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997 , 12, 379-381	3.7	5
66	A single step ultrasound-assisted nitrocellulose synthesis from microcrystalline cellulose. <i>Ultrasonics Sonochemistry</i> , 2021 , 72, 105453	8.9	5
65	An in situ pre-concentration method for fluorine determination based on successive digestions by microwave-induced combustion. <i>Talanta</i> , 2019 , 194, 314-319	6.2	5

64	Triphenyltin hydroxide induces changes in the oxidative stress parameters of fish. <i>Ecotoxicology</i> , 2017 , 26, 565-569	2.9	4
63	Infrared thermal imaging combined with paper microzone plates and natural reagent extracts for simple, fast, and green enthalpimetric analysis. <i>Talanta</i> , 2019 , 204, 266-271	6.2	4
62	Feasibility of pyrohydrolysis as a clean method for further fluorine determination by ISE and IC in high purity nuclear grade alumina. <i>Microchemical Journal</i> , 2019 , 146, 645-649	4.8	4
61	Feasibility of DS-GF AAS for the determination of metallic impurities in raw material for polymers production. <i>Talanta</i> , 2020 , 218, 121129	6.2	4
60	Bioavailability of Hg and Se from seafood after culinary treatments. <i>Microchemical Journal</i> , 2018 , 139, 363-371	4.8	4
59	Trypanosoma evansi infection on levels of copper, iron, and zinc in the plasma of rats. <i>Comparative Clinical Pathology</i> , 2013 , 22, 263-269	0.9	4
58	Influence of Rangelia vitalii (Apicomplexa: Piroplasmorida) on copper, iron, and zinc bloodstream levels in experimentally infected dogs. <i>Journal of Parasitology</i> , 2012 , 98, 1018-20	0.9	4
57	Sr and Fe relationship with hormone replacement therapy and bone mineral density. <i>Clinica Chimica Acta</i> , 2007 , 384, 113-7	6.2	4
56	Determination of inorganic contaminants in carbon nanotubes by plasma-based techniques: Overcoming the limitations of sample preparation. <i>Talanta</i> , 2019 , 192, 255-262	6.2	4
55	Microwave-induced combustion: Thermal and morphological aspects for understanding the mechanism of ignition process for analytical applications. <i>Talanta</i> , 2017 , 174, 64-71	6.2	3
54	Trace metal impurities determination in high-purity polyimide by plasma-based techniques. <i>Microchemical Journal</i> , 2019 , 146, 492-497	4.8	3
53	An ultrasound-assisted sample preparation method of carbonatite rock for determination of rare earth elements by inductively coupled plasma mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 3, e8732	2.2	3
52	Characterization of Inorganic Solids Present in Brazilian Crude Oil Emulsions Using Scanning Electron Microscopy (SEM) with Energy-Dispersive X-ray Spectrometry (EDS): Evaluation of the Effect of Solvents. <i>Energy & Fuels</i> , 2020 , 34, 1309-1316	4.1	3
51	Wet Digestion Using Microwave Heating 2014 , 99-142		3
50	Element Determination in Pharmaceuticals Using Direct Solid Analysis-Electrothermal Vaporization Inductively Coupled Plasma Optical Emission Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	3
49	Determination of Basic Nitrogen in Residues of Crude Oil Distillation Using ATR-FTIR and Chemometric Methods. <i>Analytical Letters</i> , 2013 , 46, 2879-2889	2.2	3
48	Titanium alloy miniscrews for orthodontic anchorage: an in vivo study of metal ion release. <i>Revista Odonto Ciencia</i> , 2011 , 26, 209-214		3
47	Limonin Derivatives: Synthesis Using Methodology in Solution and Heterogeneous Medium and Evaluation of the Antimicrobial Activity. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	3

46	Feasibility of microwave-induced combustion combined with inductively coupled plasma mass spectrometry for bromine and iodine determination in human nail. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 3, e8675	2.2	3
45	Determination of microplastic content in seafood: An integrated approach combined with the determination of elemental contaminants. <i>Science of the Total Environment</i> , 2020 , 749, 142301	10.2	3
44	Microwave-based strategies for sample preparation and halogen determination in blood using ICP-MS. <i>Talanta</i> , 2021 , 226, 122157	6.2	3
43	Influence of culinary treatment on the concentration and on the bioavailability of cadmium, chromium, copper, and lead in seafood. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 65, 126747	4.1	3
42	Microwave-Induced Combustion of Coal for Further Sulfur Determination by Inductively Coupled Plasma Optical Emission Spectrometry or Ion Chromatography. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	3
41	Evaluation of models for predicting relative viscosity of ultrasound-assisted synthetic water-in-oil emulsions of Brazilian crude oil. <i>Journal of Dispersion Science and Technology</i> , 2020 , 42, 119-131	1.5	3
40	Determination of chloride in crude oil using isotope dilution GC-MS: A comparative study. <i>Fuel</i> , 2021 , 285, 119167	7.1	3
39	Determination of Cl, Br and I in granola: Development of an accurate analytical method using ICP-MS. <i>Food Chemistry</i> , 2021 , 344, 128677	8.5	3
38	Simultaneous determination of As, Bi, Sb, Se, Sn and Te in lead alloy using flow injection-hydride generation-inductively coupled plasma mass spectrometry. <i>Analytical Methods</i> , 2016 , 8, 6805-6814	3.2	2
37	Microwave-Assisted Oxidation of Organic Matter Using Diluted HNO ₃ under O ₂ Pressure: Rationalization of the Temperature Gradient Effect for Acid Regeneration. <i>Journal of the Brazilian Chemical Society</i> , 2017 ,	1.5	2
36	Bromine and chlorine determination in cigarette tobacco using microwave-induced combustion and inductively coupled plasma optical emission spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2011 ,	1.5	2
35	Anthill Earth as a Gold Occurrence Indicator, and Gold Determination by Solid Sampling Flame Atomic Absorption Spectrometry. <i>Mikrochimica Acta</i> , 2005 , 152, 89-92	5.8	2
34	Solid sampling analysis by flame atomic absorption spectrometry for lead determination in seawater samples after pre-concentration using cocrystallized alizarin red - naphthalene. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 1241-1247	1.5	2
33	Determination of Boron in Silicon Carbide by ICP-OES and ICP-MS after Sample Preparation using Pyrohydrolysis. <i>Journal of the Brazilian Chemical Society</i> , 2014 ,	1.5	2
32	A Novel Method for Chlorine and Sulfur Determination in Gluten-Free and Gluten-Containing Edible Flours from Different Raw Materials and Countries. <i>Food Analytical Methods</i> , 2020 , 13, 1799-1805	3.4	2
31	Environmental and human health risks associated with exposure to hazardous elements present in urban dust from Barranquilla, Colombian Caribbean. <i>Journal of Environmental Quality</i> , 2021 , 50, 350-363	3.4	2
30	Ultrasonic _assisted extraction of phenolic compounds with evaluation of red onion skin (<i>Allium cepa</i> L.) antioxidant capacity. <i>Journal of Culinary Science and Technology</i> , 1-17	0.8	2
29	Development of methods for Mg, Sr and Pb isotopic analysis of crude oil by MC-ICP-MS: addressing the challenges of sample decomposition. <i>Journal of Analytical Atomic Spectrometry</i> , 2021 , 36, 1478-1488	3.7	2

28	Microwave-Induced Combustion in Disposable Vessels: A Novel Perspective for Sample Digestion. <i>Analytical Chemistry</i> , 2020 , 92, 8058-8063	7.8	1
27	Ilex Paraguariensis exposition to As and Cd in a closed soilless system. <i>Chemosphere</i> , 2020 , 258, 127284	8.4	1
26	Efeito metafílico do zinco injetável sobre parâmetros metabólicos e oxidativos de ovelhas no p ^o -parto imediato. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2017 , 69, 1062-1065	0.3	1
25	Metabolismo e distribuição do fl ^o r em ovinos jovens tratados cronicamente com fluoreto de s ^o dio. <i>Pesquisa Veterinaria Brasileira</i> , 2008 , 28, 124-128	0.4	1
24	Development of an eco-friendly sample preparation protocol for metal determination in food samples: an oxygen pressurized single reaction chamber using diluted nitric acid. <i>Analytical Methods</i> , 2021 , 13, 5555-5563	3.2	1
23	Effects of blueberry extract co-microencapsulation on the survival of Lactobacillus rhamnosus. <i>LWT - Food Science and Technology</i> , 2021 , 155, 112886	5.4	1
22	Base oil recovery from waste lubricant oil by polar solvent extraction intensified by ultrasound. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 66000-66011	5.1	1
21	Direct Sampling Graphite Furnace Atomic Absorption Spectrometry – A Suitable Tool for the Determination of Metallic Contaminants in Pitch. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 1963-1969 ¹	5.1	1
20	Investigation of the Naturally Occurring Magnetic Nanoparticles in Crude Oil by AC Magnetic Susceptibility Experiment. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 2855	1.5	1
19	Viability and stability evaluation of Lactobacillus casei LC03 co-encapsulated with red onion (Allium cepa L.) peel extract. <i>LWT - Food Science and Technology</i> , 2022 , 153, 112434	5.4	1
18	Microwave-Assisted Solid Sampling Analysis Coupled to Flame Furnace Atomic Absorption Spectrometry for Cd and Pb Determination in Food-Contact Polymers. <i>Sustainability</i> , 2022 , 14, 291	3.6	1
17	Extraction of antioxidant and antimicrobial phytochemicals from corn stigma: a promising alternative to valorization of agricultural residues. <i>Ciencia Rural</i> , 2022 , 52,	1.3	1
16	EFFECT OF ANTIOXIDANT POTENTIAL ON SEVERITY OF CIRRHOSIS IN HUMANS. <i>Nutricion Hospitalaria</i> , 2015 , 32, 2294-300	1	1
15	Ultrasound-Assisted Demineralization Process of Sugarcane Straw and Its Influence on the Further Biomass Conversion. <i>Sustainability</i> , 2022 , 14, 557	3.6	0
14	Microwave-induced self-ignition: An efficient approach for high purity graphite digestion and multitechnique halogen determination.. <i>Analytica Chimica Acta</i> , 2022 , 1199, 339569	6.6	0
13	Combining In-Tip Reaction and Infrared Thermal Imaging for Fast and Portable Enthalpimetric Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 14959-14966	7.8	0
12	A solid sampling approach for direct determination of Cl and S in flour by an elemental analyzer. <i>Food Chemistry</i> , 2021 , 344, 128671	8.5	0
11	Development of Green Methods for the Determination of Elemental Impurities in Commercial Pharmaceutical Tablets. <i>Sustainability</i> , 2022 , 14, 422	3.6	0

10 23. Microwaves in sample preparation for elemental determination **2017**, 452-487

9 Avaliaç o funcional e histol gica da tireoide de ovinos suplementados com fluoreto de s dio por um per odo de 150 dias. *Arquivo Brasileiro De Medicina Veterin ria E Zootecnia*, **2009**, 61, 293-298 0.3

8 Suppressed Ion Chromatographic Determination of Chloride in Concrete. *Journal of High Resolution Chromatography*, **1999**, 22, 245-246

7 Determination of Amitraz in Cattle Dipping Baths by High-Performance Liquid Chromatography. *Journal of High Resolution Chromatography*, **1999**, 22, 247-249

6 Effects of calcium, magnesium, and strontium chlorides in determining the total acid number using potentiometric titration. *Fuel*, **2021**, 122522 7.1

5 Microwave-assisted extraction of Cr from residual tanned leather: A promising alternative for waste treatment from tannery industry. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107081 6.8

4 Ultrasound-assisted conversion of tannic acid to gallic acid as a strategy to obtain value-added products. *Ultrasonics Sonochemistry*, **2021**, 72, 105442 8.9

3 Biomass Processing Assisted by Ultrasound **2021**, 315-341

2 Microwave-Induced Combustion **2018**, 98-98

1 Biomass waste valorization assisted by microwaves: a feasible approach for the co-production of value-added products. *Biomass Conversion and Biorefinery*, 1 2.3