Dirce Pozebon

List of Publications by Year in Descending Order

95 papers	2,415 citations	29 h-index	44 g-index
99 ext. papers	2,603 ext. citations	3.6 avg, IF	5.14 L-index

#	Paper	IF	Citations
95	Effects of LaO nanoparticles and bulk-LaO on the development of Pfaffia glomerata (Spreng.) Pedersen and respective nutrient element concentration.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	
94	Metallomics Imaging. *Neuromethods*, **2021**, 267-304	0.4	
93	Method validation for As speciation in rice using LC-ICP-MS and the inorganic arsenic limit for Brazilian rice. *Journal of Food Composition and Analysis*, **2021**, 99, 103849	4.1	1
92	Evaluation of microwave-assisted ultraviolet digestion method for rice and wheat for subsequent spectrometric determination of As, Cd, Hg and Pb. *Journal of Food Composition and Analysis*, **2020**, 92, 103585	4.1	5
91	Methodology for elemental analysis of a mineral fertilizer, some of its raw materials and limestone using microwave-induced plasma optical emission spectrometry (MIP OES). *Analytical Methods*, **2020**, 12, 2638-2644	3.2	8
90	Advances of nitrogen microwave plasma for optical emission spectrometry and applications in elemental analysis: a review. *Journal of Analytical Atomic Spectrometry*, **2020**, 35, 2113-2131	3.7	6
89	Supported metallocenes produced by a non-hydrolytic sol-gel process: Application in ethylene polymerization. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 584, 124020	5.1	7
88	Arsenic speciation analysis in rice milk using LC-ICP-MS. *Food Chemistry: X*, **2019**, 2, 100028	4.7	5
87	Improving the analytical performance of electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry using a mixed-gas plasma. *Journal of Analytical Atomic Spectrometry*, **2019**, 34, 891-898	3.7	8
86	Element selection and concentration analysis for classifying South America wine samples according to the country of origin. *Computers and Electronics in Agriculture*, **2018**, 150, 33-40	6.5	15
85	Risk assessment of trace elements in airborne particulate matter deposited on air filters using solid sampling ETV-ICPOES to measure total concentrations and leaching with simulated saliva, gastric juice and lung fluid to estimate bio-accessibility. *Journal of Analytical Atomic Spectrometry*, **2018**, 33, 1486-1492	3.7	7
84	Sample preparation strategies for petroleum coke digestion and further cerium and lanthanum determination by DSN-ICP-OES. *Journal of Analytical Atomic Spectrometry*, **2018**, 33, 1284-1291	3.7	3
83	Bioimaging Metallomics. *Advances in Experimental Medicine and Biology*, **2018**, 1055, 139-181	3.6	7
82	A comparative study of sheathing devices to increase robustness in inductively coupled plasma optical emission spectrometry via a nitrogen flow. *Journal of Analytical Atomic Spectrometry*, **2018**, 33, 1269-1273	3.7	1
81	Multielement determination in medicinal plants using electrothermal vaporization coupled to ICP OES. *Analytical Methods*, **2017**, 9, 3497-3504	3.2	9
80	Recent applications of laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) for biological sample analysis: a follow-up review. *Journal of Analytical Atomic Spectrometry*, **2017**, 32, 890-919	3.7	129
79	Inorganic arsenic speciation in rice products using selective hydride generation and atomic absorption spectrometry (AAS). *Microchemical Journal*, **2017**, 133, 265-271	4.8	25

78	Elemental hair analysis: A review of procedures and applications. *Analytica Chimica Acta*, **2017**, 992, 1-23	6.6	73
77	Solid sampling analysis of a Mg alloy using electrothermal vaporization inductively coupled plasma optical emission spectrometry. *Journal of Analytical Atomic Spectrometry*, **2017**, 32, 2041-2045	3.7	11
76	Near infrared spectroscopy and element concentration analysis for assessing yerba mate (Ilex paraguariensis) samples according to the country of origin. *Computers and Electronics in Agriculture*, **2017**, 140, 348-360	6.5	16
75	Direct determination of trace elements in austenitic stainless steel samples by ETV-ICPOES. *Journal of Analytical Atomic Spectrometry*, **2016**, 31, 2434-2440	3.7	15
74	Straightforward determination of U, Th, and Hf at trace levels using ultrasonic nebulization and axial view ICP OES. *Analytical Methods*, **2016**, 8, 504-509	3.2	4
73	Method Development and Total Uncertainty Estimation for Boron, Sulfur and Phosphorus Determination in Mineral Fertilizer Using ICP OES. *Journal of the Brazilian Chemical Society*, **2016**,	1.5	2
72	Wavelength selection framework for classifying food and pharmaceutical samples into multiple classes. *Journal of Chemometrics*, **2016**, 30, 346-353	1.6	10
71	Experimental evidence of enhanced water dissociation and spatially dependent charge-transfer reactions in mix-gas inductively coupled plasma optical emission spectrometry. *Journal of Analytical Atomic Spectrometry*, **2016**, 31, 1141-1149	3.7	2
70	Toxic and nutrient elements in yerba mate (Ilex paraguariensis). *Food Additives and Contaminants: Part B Surveillance*, **2015**, 8, 215-20	3.3	23
69	Metal Determination in Tea, Wheat, and Wheat Flour Using Diluted Nitric Acid, High-Efficiency Nebulizer, and Axially Viewed ICP OES. *Food Analytical Methods*, **2015**, 8, 1652-1660	3.4	16
68	Speciation of inorganic arsenic in rice using hydride generation atomic absorption spectrometry (HG-AAS). *Analytical Methods*, **2015**, 7, 4528-4534	3.2	27
67	Effect of N2 on the emission profile and excitation temperature in axially viewed plasma-ICP OES. *Journal of Analytical Atomic Spectrometry*, **2015**, 30, 468-478	3.7	10
66	Straightforward way to enhance robustness in ultrasonic nebulization-axial view inductively coupled plasma optical emission spectrometry via an additional N2 gas stream. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2015**, 113, 84-92	3.1	5
65	Authentication of yerba mate according to the country of origin by using Fourier transform infrared (FTIR) associated with chemometrics. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2015**, 32, 1215-22	3.2	9
64	Trace element determination in leather samples using on-line internal standardization, ultrasonic nebulization and axial view-ICP OES. *Analytical Methods*, **2015**, 7, 5180-5185	3.2	8
63	Toxic and micronutrient elements in organic, brown and polished rice in Brazil. *Food Additives and Contaminants: Part B Surveillance*, **2014**, 7, 63-9	3.3	17
62	Advantages, drawbacks and applications of mixed Ar/N2 sources in inductively coupled plasma-based techniques: an overview. *Analytical Methods*, **2014**, 6, 6170-6182	3.2	15
61	Methods of multivariate analysis of NIR reflectance spectra for classification of yerba mate. *Analytical Methods*, **2014**, 6, 7621-7627	3.2	26

60	Review of the applications of laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) to the analysis of biological samples. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 2204-2228	3.7	138
59	Classification of yerba mate (Ilex paraguariensis) according to the country of origin based on element concentrations. *Microchemical Journal*, **2014**, 117, 164-171	4.8	39
58	Rice Slurry Analysis Using Mixed-Gas Plasma and Axially Viewed ICP OES. *Food Analytical Methods*, **2014**, 7, 1415-1423	3.4	9
57	Advantages and effects of nitrogen doping into the central channel of plasma in axially viewed-inductively coupled plasma optical emission spectrometry. *Analytica Chimica Acta*, **2013**, 789, 33-40	6.6	8
56	Internal standardization in axially viewed inductively coupled plasma optical emission spectrometry (ICP OES) combined with pneumatic nebulization and aerosol desolvation. *Analytical Methods*, **2013** , 5, 4371	3.2	13
55	Multivariate optimization for cloud point extraction and determination of lanthanides. *Analytical Methods*, **2012**, 4, 2809	3.2	16
54	Lanthanides determination in red wine using ultrasound assisted extraction, flow injection, aerosol desolvation and ICP-MS. *Analytica Chimica Acta*, **2012**, 710, 33-9	6.6	17
53	Preconcentration and determination of As, Cd, Pb and Bi using different sample introduction systems, cloud point extraction and inductively coupled plasma optical emission spectrometry. *Analytical Methods*, **2012**, 4, 89-95	3.2	17
52	Total Mercury, Inorganic Mercury and Methyl Mercury Determination in Red Wine. *Food Analytical Methods*, **2012**, 5, 505-511	3.4	18
51	The use of cloud point extraction and hydride generation for improving the Sb and Se limits of detection in ICP OES. *Journal of the Brazilian Chemical Society*, **2012**, 23, 2211-2221	1.5	17
50	Elemental analysis of wines from South America and their classification according to country. *Journal of the Brazilian Chemical Society*, **2011**, 22, 327-336	1.5	35
49	As, Hg, I, Sb, Se and Sn speciation in body fluids and biological tissues using hyphenated-ICP-MS techniques: A review. *International Journal of Mass Spectrometry*, **2011**, 307, 149-162	1.9	48
48	Detection of Zn-containing proteins in slug (Genus Arion) tissue using laser ablation ICP-MS after separation by gel electrophoresis. *International Journal of Mass Spectrometry*, **2011**, 307, 66-69	1.9	13
47	Evaluation of metal distributions in small samples of mouse brain lesions (hematoma) by inductively coupled plasma mass spectrometry after sampling by laser microdissection (LMD). *International Journal of Mass Spectrometry*, **2011**, 307, 137-141	1.9	2
46	Arsenic speciation in white wine by LC□ICP□MS. *Food Chemistry*, **2011**, 126, 1406-1411	8.5	41
45	Methodology for the Determination of Stoichiometry and Metal Impurities in New PZT Ceramics by Inductively Coupled Plasma Optical Spectrometry (ICP OES). *Spectroscopy Letters*, **2011**, 44, 138-145	1.1	5
44	Direct determination of lanthanides in environmental samples using ultrasonic nebulization and ICP OES. *Journal of the Brazilian Chemical Society*, **2010**, 21, 627-634	1.5	23
43	Biomonitoring of essential and toxic metals in single hair using on-line solution-based calibration in laser ablation inductively coupled plasma mass spectrometry. *Talanta*, **2010**, 82, 1770-7	6.2	58

42	Bioimaging of metals in thin mouse brain section by laser ablation inductively coupled plasma mass spectrometry: novel online quantification strategy using aqueous standards. *Journal of Analytical Atomic Spectrometry*, **2010**, 25, 1739	3.7	48
41	Methodology for Hg determination in honey using cloud point extraction and cold vapour-inductively coupled plasma optical emission spectrometry. *Analytical Methods*, **2010**, 2, 180-185	3.2	29
40	Metal and hydrocarbon behavior in sediments from Brazilian shallow waters drilling activities using nonaqueous drilling fluids (NAFs). *Environmental Monitoring and Assessment*, **2010**, 167, 33-47	3.1	7
39	Metals, arsenic and hydrocarbons monitoring in marine sediment during drilling activities using NAFs. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2009**, 56, 22-31	2.3	24
38	Estudo comparativo de m□todos de preparo de amostras de tinta para a determina□ de metais e metal□ides por t□cnicas de espectrometria at□mica. *Quimica Nova*, **2009**, 32, 884-890	1.6	5
37	Mercury speciation in urban landfill leachate by cold vapor generation atomic absorption spectrometry using ion exchange and amalgamation. *Journal of the Brazilian Chemical Society*, **2009** , 20, 1659-1666	1.5	16
36	LA-ICP-MS studies of zinc exchange by copper in bovine serum albumin using an isotopic enriched copper tracer. *Journal of Analytical Atomic Spectrometry*, **2008**, 23, 1076	3.7	22
35	Biomonitoring of essential and toxic elements in small biological tissues by ICP-MS. *Journal of Analytical Atomic Spectrometry*, **2008**, 23, 1281	3.7	20
34	Quantitative images of metals in plant tissues measured by laser ablation inductively coupled plasma mass spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2008**, 63, 1248-1252	3.1	81
33	Chemical characterization of feed coals and combustion-by-products from Brazilian power plants. *International Journal of Coal Geology*, **2008**, 76, 227-236	5.5	62
32	Monitoring of platinum in a single hair by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) after cisplatin treatment for cancer. *International Journal of Mass Spectrometry*, **2008**, 272, 57-62	1.9	54
31	Supported metallocene on mesoporous materials. *Applied Catalysis A: General*, **2007**, 333, 96-106	5.1	31
30	Determination of trace elements in paints by direct sampling graphite furnace atomic absorption spectrometry. *Analytica Chimica Acta*, **2007**, 602, 23-31	6.6	12
29	Micronebulization for trace analysis of lanthanides in small biological specimens by ICP-MS. *International Journal of Mass Spectrometry*, **2007**, 266, 25-33	1.9	29
28	Effect of the silica texture on grafting metallocene catalysts. *Journal of Molecular Catalysis A*, **2007**, 265, 167-176		28
27	Determination of cadmium, copper and lead in alumina based catalysts by direct solid sampling graphite furnace atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2007**, 62, 933-938	3.1	24
26	Arsenic determination in marine sediment using ultrasound for sample preparation. *Analytical Sciences*, **2007**, 23, 1097-101	1.7	8
25	Determination of titanium and vanadium in Ziegler-Natta catalysts by inductively coupled plasma atomic emission spectrometry. *Analytical Sciences*, **2006**, 22, 855-9	1.7	9

24	Immobilization of Zirconocene into Silica Prepared by Non-Hydrolytic Sol-Gel Method. *Macromolecular Symposia*, **2006**, 245-246, 77-86	0.8	17
23	Heavy metals contribution of non-aqueous fluids used in offshore oil drilling. *Fuel*, **2005**, 84, 53-61	7.1	36
22	Ultrasound assisted mercury extraction from soil and sediment. *Analytica Chimica Acta*, **2004**, 518, 157-164	6.6	47
21	Determination of tellurium in lead and lead alloy using flow injection-hydride generation atomic absorption spectrometry. *Analytica Chimica Acta*, **2004**, 517, 195-200	6.6	13
20	Determination of fluoride in coal using pyrohydrolysis for analyte separation. *Journal of the Brazilian Chemical Society*, **2003**, 14, 334-338	1.5	30
19	Determination of Cd, Hg, Pb and Tl in coal and coal fly ash slurries using electrothermal vaporization inductively coupled plasma mass spectrometry and isotopic dilution. *Journal of Analytical Atomic Spectrometry*, **2003**, 18, 330-337	3.7	52
18	Determination of Cu, Mn, Ni and Sn in gasoline by electrothermal vaporization inductively coupled plasma mass spectrometry, and emulsion sample introduction. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2002**, 57, 1991-2001	3.1	69
17	Potentiometric determination of fluoride in geological and biological samples following pyrohydrolytic decomposition. *Analytica Chimica Acta*, **2002**, 466, 117-123	6.6	41
16	Determination of trace elements in biological materials using tetramethylammonium hydroxide for sample preparation. *Analytica Chimica Acta*, **2002**, 470, 195-204	6.6	34
15	On-line pre-concentration of Hg in blood and urine and determination by CVAAS. *Journal of Analytical Atomic Spectrometry*, **2002**, 17, 790-793	3.7	14
14	Determination of Hg in seawater by inductively coupled plasma mass spectrometry after on-line pre-concentration. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2001**, 56, 1963-1971	3.1	21
13	On the use of phosphine-free PdCl2(SEt2)2 complex as catalyst precursor for the Heck reaction. *Tetrahedron Letters*, **2001**, 42, 7345-7348	2	74
12	Comparison of the performance of FI-ICP-MS and FI-ETV-ICP-MS systems for the determination of trace elements in sea water. *Analytica Chimica Acta*, **2001**, 438, 215-225	6.6	18
11	Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration. *Analytica Chimica Acta*, **2001**, 438, 235-244	6.6	34
10	Determination of As, Cd, Ni and Pb in human hair by electrothermal atomic absorption spectrometry after sample treatment with tetramethylammonium hydroxide. *Microchemical Journal*, **2000**, 64, 105-110	4.8	26
9	Determination of volatile elements in biological materials by isotopic dilution ETV-ICP-MS after dissolution with tetramethylammonium hydroxide or acid digestion. *Talanta*, **2000**, 51, 903-11	6.2	30
8	Introduction of alcohols in inductively coupled plasma mass spectrometry by a flow injection system. *Analytica Chimica Acta*, **1999**, 379, 175-183	6.6	39
7	Anlise de cabelo: uma revisão dos procedimentos para a determinação de elementos traço e aplicaes. *Quimica Nova*, **1999**, 22, 838-846	1.6	13

6	Determination of heavy metals by inductively coupled plasma mass spectrometry after on-line separation and preconcentration. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **1998**, 53, 1527-1539	3.1	91
5	Determination of arsenic(III) and arsenic(V) by electrothermal atomic absorption spectrometry after complexation and sorption on a C-18 bonded silica column. *Talanta*, **1998**, 45, 1167-75	6.2	47
4	Determination of Mo, U and B in waters by electrothermal vaporization inductively coupled plasma mass spectrometry. *Talanta*, **1998**, 47, 849-59	6.2	12
3	Determination of copper, cadmium, lead, bismuth and selenium(iv) in sea-water by electrothermal vaporization inductively coupled plasma mass spectrometry after on-line separation. *Journal of Analytical Atomic Spectrometry*, **1998**, 13, 363-369	3.7	50
2	Determination of trace elements in biological materials by ETV-ICP-MS after dissolution or slurry formation with tetramethylammonium hydroxide. *Journal of Analytical Atomic Spectrometry*, **1998**, 13, 1101-1105	3.7	35
1	Determination of arsenic, selenium and lead by electrothermal vaporization inductively coupled plasma mass spectrometry using iridium-coated graphite tubes. *Journal of Analytical Atomic Spectrometry*, **1998**, 13, 7-11	3.7	20