

# Dirce Pozebon

## List of Publications by Citations

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95  
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29  
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44  
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99  
ext. papers

2,603  
ext. citations

3.6  
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L-index

#	Paper	IF	Citations
95	Review of the applications of laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) to the analysis of biological samples. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 2204-2228	3.7	138
94	Recent applications of laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) for biological sample analysis: a follow-up review. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 890-917	3.7	129
93	Determination of heavy metals by inductively coupled plasma mass spectrometry after on-line separation and preconcentration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>1998</b> , 53, 1527-1539	3.1	91
92	Quantitative images of metals in plant tissues measured by laser ablation inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2008</b> , 63, 1248-1252	3.1	81
91	On the use of phosphine-free PdCl <sub>2</sub> (SEt <sub>2</sub> ) <sub>2</sub> complex as catalyst precursor for the Heck reaction. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 7345-7348	2	74
90	Elemental hair analysis: A review of procedures and applications. <i>Analytica Chimica Acta</i> , <b>2017</b> , 992, 1-236.6		73
89	Determination of Cu, Mn, Ni and Sn in gasoline by electrothermal vaporization inductively coupled plasma mass spectrometry, and emulsion sample introduction. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2002</b> , 57, 1991-2001	3.1	69
88	Chemical characterization of feed coals and combustion-by-products from Brazilian power plants. <i>International Journal of Coal Geology</i> , <b>2008</b> , 76, 227-236	5.5	62
87	Biomonitoring of essential and toxic metals in single hair using on-line solution-based calibration in laser ablation inductively coupled plasma mass spectrometry. <i>Talanta</i> , <b>2010</b> , 82, 1770-7	6.2	58
86	Monitoring of platinum in a single hair by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) after cisplatin treatment for cancer. <i>International Journal of Mass Spectrometry</i> , <b>2008</b> , 272, 57-62	1.9	54
85	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. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2003</b> , 18, 330-337	3.7	52
84	Determination of copper, cadmium, lead, bismuth and selenium(IV) in sea-water by electrothermal vaporization inductively coupled plasma mass spectrometry after on-line separation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 363-369	3.7	50
83	As, Hg, I, Sb, Se and Sn speciation in body fluids and biological tissues using hyphenated-ICP-MS techniques: A review. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 307, 149-162	1.9	48
82	Bioimaging of metals in thin mouse brain section by laser ablation inductively coupled plasma mass spectrometry: novel online quantification strategy using aqueous standards. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2010</b> , 25, 1739	3.7	48
81	Determination of arsenic(III) and arsenic(V) by electrothermal atomic absorption spectrometry after complexation and sorption on a C-18 bonded silica column. <i>Talanta</i> , <b>1998</b> , 45, 1167-75	6.2	47
80	Ultrasound assisted mercury extraction from soil and sediment. <i>Analytica Chimica Acta</i> , <b>2004</b> , 518, 157-164		47
79	Arsenic speciation in white wine by LC-ICP-MS. <i>Food Chemistry</i> , <b>2011</b> , 126, 1406-1411	8.5	41

78	Potentiometric determination of fluoride in geological and biological samples following pyrohydrolytic decomposition. <i>Analytica Chimica Acta</i> , <b>2002</b> , 466, 117-123	6.6	41
77	Classification of yerba mate ( <i>Ilex paraguariensis</i> ) according to the country of origin based on element concentrations. <i>Microchemical Journal</i> , <b>2014</b> , 117, 164-171	4.8	39
76	Introduction of alcohols in inductively coupled plasma mass spectrometry by a flow injection system. <i>Analytica Chimica Acta</i> , <b>1999</b> , 379, 175-183	6.6	39
75	Heavy metals contribution of non-aqueous fluids used in offshore oil drilling. <i>Fuel</i> , <b>2005</b> , 84, 53-61	7.1	36
74	Elemental analysis of wines from South America and their classification according to country. <i>Journal of the Brazilian Chemical Society</i> , <b>2011</b> , 22, 327-336	1.5	35
73	Determination of trace elements in biological materials by ETV-ICP-MS after dissolution or slurry formation with tetramethylammonium hydroxide. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 1101-1105	3.7	35
72	Determination of trace elements in biological materials using tetramethylammonium hydroxide for sample preparation. <i>Analytica Chimica Acta</i> , <b>2002</b> , 470, 195-204	6.6	34
71	Determination of Ag, Te, U and Au in waters and in biological samples by FIICP-MS following on-line preconcentration. <i>Analytica Chimica Acta</i> , <b>2001</b> , 438, 235-244	6.6	34
70	Supported metallocene on mesoporous materials. <i>Applied Catalysis A: General</i> , <b>2007</b> , 333, 96-106	5.1	31
69	Determination of fluoride in coal using pyrohydrolysis for analyte separation. <i>Journal of the Brazilian Chemical Society</i> , <b>2003</b> , 14, 334-338	1.5	30
68	Determination of volatile elements in biological materials by isotopic dilution ETV-ICP-MS after dissolution with tetramethylammonium hydroxide or acid digestion. <i>Talanta</i> , <b>2000</b> , 51, 903-11	6.2	30
67	Methodology for Hg determination in honey using cloud point extraction and cold vapour-inductively coupled plasma optical emission spectrometry. <i>Analytical Methods</i> , <b>2010</b> , 2, 180-185	3.2	29
66	Micronebulization for trace analysis of lanthanides in small biological specimens by ICP-MS. <i>International Journal of Mass Spectrometry</i> , <b>2007</b> , 266, 25-33	1.9	29
65	Effect of the silica texture on grafting metallocene catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 265, 167-176		28
64	Speciation of inorganic arsenic in rice using hydride generation atomic absorption spectrometry (HG-AAS). <i>Analytical Methods</i> , <b>2015</b> , 7, 4528-4534	3.2	27
63	Methods of multivariate analysis of NIR reflectance spectra for classification of yerba mate. <i>Analytical Methods</i> , <b>2014</b> , 6, 7621-7627	3.2	26
62	Determination of As, Cd, Ni and Pb in human hair by electrothermal atomic absorption spectrometry after sample treatment with tetramethylammonium hydroxide. <i>Microchemical Journal</i> , <b>2000</b> , 64, 105-110	4.8	26
61	Inorganic arsenic speciation in rice products using selective hydride generation and atomic absorption spectrometry (AAS). <i>Microchemical Journal</i> , <b>2017</b> , 133, 265-271	4.8	25

60	Metals, arsenic and hydrocarbons monitoring in marine sediment during drilling activities using NAFs. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2009</b> , 56, 22-31	2.3	24
59	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> , <b>2007</b> , 62, 933-938	3.1	24
58	Toxic and nutrient elements in yerba mate ( <i>Ilex paraguariensis</i> ). <i>Food Additives and Contaminants: Part B Surveillance</i> , <b>2015</b> , 8, 215-20	3.3	23
57	Direct determination of lanthanides in environmental samples using ultrasonic nebulization and ICP OES. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 627-634	1.5	23
56	LA-ICP-MS studies of zinc exchange by copper in bovine serum albumin using an isotopic enriched copper tracer. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 1076	3.7	22
55	Determination of Hg in seawater by inductively coupled plasma mass spectrometry after on-line pre-concentration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2001</b> , 56, 1963-1971	3.1	21
54	Determination of arsenic, selenium and lead by electrothermal vaporization inductively coupled plasma mass spectrometry using iridium-coated graphite tubes. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 7-11	3.7	20
53	Biomonitoring of essential and toxic elements in small biological tissues by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 1281	3.7	20
52	Total Mercury, Inorganic Mercury and Methyl Mercury Determination in Red Wine. <i>Food Analytical Methods</i> , <b>2012</b> , 5, 505-511	3.4	18
51	Comparison of the performance of FI-ICP-MS and FI-ETV-ICP-MS systems for the determination of trace elements in sea water. <i>Analytica Chimica Acta</i> , <b>2001</b> , 438, 215-225	6.6	18
50	Toxic and micronutrient elements in organic, brown and polished rice in Brazil. <i>Food Additives and Contaminants: Part B Surveillance</i> , <b>2014</b> , 7, 63-9	3.3	17
49	Lanthanides determination in red wine using ultrasound assisted extraction, flow injection, aerosol desolvation and ICP-MS. <i>Analytica Chimica Acta</i> , <b>2012</b> , 710, 33-9	6.6	17
48	Preconcentration and determination of As, Cd, Pb and Bi using different sample introduction systems, cloud point extraction and inductively coupled plasma optical emission spectrometry. <i>Analytical Methods</i> , <b>2012</b> , 4, 89-95	3.2	17
47	The use of cloud point extraction and hydride generation for improving the Sb and Se limits of detection in ICP OES. <i>Journal of the Brazilian Chemical Society</i> , <b>2012</b> , 23, 2211-2221	1.5	17
46	Immobilization of Zirconocene into Silica Prepared by Non-Hydrolytic Sol-Gel Method. <i>Macromolecular Symposia</i> , <b>2006</b> , 245-246, 77-86	0.8	17
45	Metal Determination in Tea, Wheat, and Wheat Flour Using Diluted Nitric Acid, High-Efficiency Nebulizer, and Axially Viewed ICP OES. <i>Food Analytical Methods</i> , <b>2015</b> , 8, 1652-1660	3.4	16
44	Near infrared spectroscopy and element concentration analysis for assessing yerba mate ( <i>Ilex paraguariensis</i> ) samples according to the country of origin. <i>Computers and Electronics in Agriculture</i> , <b>2017</b> , 140, 348-360	6.5	16
43	Multivariate optimization for cloud point extraction and determination of lanthanides. <i>Analytical Methods</i> , <b>2012</b> , 4, 2809	3.2	16

42	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> , <b>2009</b> , 20, 1659-1666	1.5	16
41	Element selection and concentration analysis for classifying South America wine samples according to the country of origin. <i>Computers and Electronics in Agriculture</i> , <b>2018</b> , 150, 33-40	6.5	15
40	Direct determination of trace elements in austenitic stainless steel samples by ETV-ICPOES. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 2434-2440	3.7	15
39	Advantages, drawbacks and applications of mixed Ar/N <sub>2</sub> sources in inductively coupled plasma-based techniques: an overview. <i>Analytical Methods</i> , <b>2014</b> , 6, 6170-6182	3.2	15
38	On-line pre-concentration of Hg in blood and urine and determination by CVAAS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2002</b> , 17, 790-793	3.7	14
37	Internal standardization in axially viewed inductively coupled plasma optical emission spectrometry (ICP OES) combined with pneumatic nebulization and aerosol desolvation. <i>Analytical Methods</i> , <b>2013</b> , 5, 4371	3.2	13
36	Detection of Zn-containing proteins in slug (Genus Arion) tissue using laser ablation ICP-MS after separation by gel electrophoresis. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 307, 66-69	1.9	13
35	Determination of tellurium in lead and lead alloy using flow injection-hydride generation atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2004</b> , 517, 195-200	6.6	13
34	Análise de cabelo: uma revisão dos procedimentos para a determinação de elementos traço e aplicações. <i>Química Nova</i> , <b>1999</b> , 22, 838-846	1.6	13
33	Determination of Mo, U and B in waters by electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Talanta</i> , <b>1998</b> , 47, 849-59	6.2	12
32	Determination of trace elements in paints by direct sampling graphite furnace atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2007</b> , 602, 23-31	6.6	12
31	Solid sampling analysis of a Mg alloy using electrothermal vaporization inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 2041-2045	3.7	11
30	Effect of N <sub>2</sub> on the emission profile and excitation temperature in axially viewed plasma-ICP OES. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 468-478	3.7	10
29	Wavelength selection framework for classifying food and pharmaceutical samples into multiple classes. <i>Journal of Chemometrics</i> , <b>2016</b> , 30, 346-353	1.6	10
28	Multielement determination in medicinal plants using electrothermal vaporization coupled to ICP OES. <i>Analytical Methods</i> , <b>2017</b> , 9, 3497-3504	3.2	9
27	Authentication of yerba mate according to the country of origin by using Fourier transform infrared (FTIR) associated with chemometrics. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2015</b> , 32, 1215-22	3.2	9
26	Rice Slurry Analysis Using Mixed-Gas Plasma and Axially Viewed ICP OES. <i>Food Analytical Methods</i> , <b>2014</b> , 7, 1415-1423	3.4	9
25	Determination of titanium and vanadium in Ziegler-Natta catalysts by inductively coupled plasma atomic emission spectrometry. <i>Analytical Sciences</i> , <b>2006</b> , 22, 855-9	1.7	9

24	Methodology for elemental analysis of a mineral fertilizer, some of its raw materials and limestone using microwave-induced plasma optical emission spectrometry (MIP OES). <i>Analytical Methods</i> , <b>2020</b> , 12, 2638-2644	3.2	8
23	Advantages and effects of nitrogen doping into the central channel of plasma in axially viewed-inductively coupled plasma optical emission spectrometry. <i>Analytica Chimica Acta</i> , <b>2013</b> , 789, 33-40	6.6	8
22	Trace element determination in leather samples using on-line internal standardization, ultrasonic nebulization and axial view-ICP OES. <i>Analytical Methods</i> , <b>2015</b> , 7, 5180-5185	3.2	8
21	Arsenic determination in marine sediment using ultrasound for sample preparation. <i>Analytical Sciences</i> , <b>2007</b> , 23, 1097-101	1.7	8
20	Improving the analytical performance of electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry using a mixed-gas plasma. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 891-898	3.7	8
19	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. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1486-1492	3.7	7
18	Bioimaging Metallomics. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1055, 139-181	3.6	7
17	Metal and hydrocarbon behavior in sediments from Brazilian shallow waters drilling activities using nonaqueous drilling fluids (NAFs). <i>Environmental Monitoring and Assessment</i> , <b>2010</b> , 167, 33-47	3.1	7
16	Supported metallocenes produced by a non-hydrolytic sol-gel process: Application in ethylene polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 584, 124020	5.1	7
15	Advances of nitrogen microwave plasma for optical emission spectrometry and applications in elemental analysis: a review. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 2113-2131	3.7	6
14	Arsenic speciation analysis in rice milk using LC-ICP-MS. <i>Food Chemistry: X</i> , <b>2019</b> , 2, 100028	4.7	5
13	Evaluation of microwave-assisted ultraviolet digestion method for rice and wheat for subsequent spectrometric determination of As, Cd, Hg and Pb. <i>Journal of Food Composition and Analysis</i> , <b>2020</b> , 92, 103585	4.1	5
12	Straightforward way to enhance robustness in ultrasonic nebulization-axial view inductively coupled plasma optical emission spectrometry via an additional N <sub>2</sub> gas stream. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2015</b> , 113, 84-92	3.1	5
11	Methodology for the Determination of Stoichiometry and Metal Impurities in New PZT Ceramics by Inductively Coupled Plasma Optical Spectrometry (ICP OES). <i>Spectroscopy Letters</i> , <b>2011</b> , 44, 138-145	1.1	5
10	Estudo comparativo de métodos de preparo de amostras de tinta para a determinação de metais e metalóides por técnicas de espectrometria atômica. <i>Química Nova</i> , <b>2009</b> , 32, 884-890	1.6	5
9	Straightforward determination of U, Th, and Hf at trace levels using ultrasonic nebulization and axial view ICP OES. <i>Analytical Methods</i> , <b>2016</b> , 8, 504-509	3.2	4
8	Sample preparation strategies for petroleum coke digestion and further cerium and lanthanum determination by DSN-ICP-OES. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1284-1291	3.7	3
7	Evaluation of metal distributions in small samples of mouse brain lesions (hematoma) by inductively coupled plasma mass spectrometry after sampling by laser microdissection (LMD). <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 307, 137-141	1.9	2

6	Method Development and Total Uncertainty Estimation for Boron, Sulfur and Phosphorus Determination in Mineral Fertilizer Using ICP OES. <i>Journal of the Brazilian Chemical Society</i> , <b>2016</b> ,	1.5	2
5	Experimental evidence of enhanced water dissociation and spatially dependent charge-transfer reactions in mix-gas inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 1141-1149	3.7	2
4	Method validation for As speciation in rice using LC-ICP-MS and the inorganic arsenic limit for Brazilian rice. <i>Journal of Food Composition and Analysis</i> , <b>2021</b> , 99, 103849	4.1	1
3	A comparative study of sheathing devices to increase robustness in inductively coupled plasma optical emission spectrometry via a nitrogen flow. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1269-1273	3.7	1
2	Metallomics Imaging. <i>Neuromethods</i> , <b>2021</b> , 267-304	0.4	
1	Effects of LaO nanoparticles and bulk-LaO on the development of <i>Pfaffia glomerata</i> (Spreng.) Pedersen and respective nutrient element concentration.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	