

Dirce Pozebon

List of Publications by Year in descending order

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98
papers

2,917
citations

147566

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49
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99
docs citations

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times ranked

2971
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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> , 2017, 32, 890-919. | 1.6 | 160 |
| 2 | 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> , 2014, 29, 2204-2228. | 1.6 | 153 |
| 3 | Determination of heavy metals by inductively coupled plasma mass spectrometry after on-line separation and preconcentration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998, 53, 1527-1539. | 1.5 | 107 |
| 4 | Elemental hair analysis: A review of procedures and applications. <i>Analytica Chimica Acta</i> , 2017, 992, 1-23. | 2.6 | 105 |
| 5 | Quantitative images of metals in plant tissues measured by laser ablation inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1248-1252. | 1.5 | 95 |
| 6 | On the use of phosphine-free PdCl ₂ (SEt) ₂ complex as catalyst precursor for the Heck reaction. <i>Tetrahedron Letters</i> , 2001, 42, 7345-7348. | 0.7 | 83 |
| 7 | 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> , 2002, 57, 1991-2001. | 1.5 | 80 |
| 8 | Chemical characterization of feed coals and combustion-by-products from Brazilian power plants. <i>International Journal of Coal Geology</i> , 2008, 76, 227-236. | 1.9 | 80 |
| 9 | 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> , 2010, 82, 1770-1777. | 2.9 | 73 |
| 10 | 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> , 1998, 45, 1167-1175. | 2.9 | 68 |
| 11 | 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> , 1998, 13, 363-369. | 1.6 | 68 |
| 12 | 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> , 2008, 272, 57-62. | 0.7 | 63 |
| 13 | 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> , 2003, 18, 330-337. | 1.6 | 58 |
| 14 | 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> , 2010, 25, 1739. | 1.6 | 57 |
| 15 | Ultrasound assisted mercury extraction from soil and sediment. <i>Analytica Chimica Acta</i> , 2004, 518, 157-164. | 2.6 | 56 |
| 16 | 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> , 2011, 307, 149-162. | 0.7 | 56 |
| 17 | Potentiometric determination of fluoride in geological and biological samples following pyrohydrolytic decomposition. <i>Analytica Chimica Acta</i> , 2002, 466, 117-123. | 2.6 | 50 |
| 18 | Classification of yerba mate (<i>Ilex paraguariensis</i>) according to the country of origin based on element concentrations. <i>Microchemical Journal</i> , 2014, 117, 164-171. | 2.3 | 49 |

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|----|---|-----|-----------|
| 19 | 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> , 1998, 13, 1101-1105. | 1.6 | 47 |
| 20 | Arsenic speciation in white wine by LC-ICP-MS. <i>Food Chemistry</i> , 2011, 126, 1406-1411. | 4.2 | 44 |
| 21 | Introduction of alcohols in inductively coupled plasma mass spectrometry by a flow injection system. <i>Analytica Chimica Acta</i> , 1999, 379, 175-183. | 2.6 | 43 |
| 22 | Determination of Ag, Te, U and Au in waters and in biological samples by FI-ICP-MS following on-line preconcentration. <i>Analytica Chimica Acta</i> , 2001, 438, 235-244. | 2.6 | 43 |
| 23 | Heavy metals contribution of non-aqueous fluids used in offshore oil drilling. <i>Fuel</i> , 2005, 84, 53-61. | 3.4 | 41 |
| 24 | Elemental analysis of wines from South America and their classification according to country. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 327-336. | 0.6 | 39 |
| 25 | Determination of volatile elements in biological materials by isotopic dilution ETV-ICP-MS after dissolution with tetramethylammonium hydroxide or acid digestion. <i>Talanta</i> , 2000, 51, 903-911. | 2.9 | 36 |
| 26 | Determination of trace elements in biological materials using tetramethylammonium hydroxide for sample preparation. <i>Analytica Chimica Acta</i> , 2002, 470, 195-204. | 2.6 | 35 |
| 27 | Inorganic arsenic speciation in rice products using selective hydride generation and atomic absorption spectrometry (AAS). <i>Microchemical Journal</i> , 2017, 133, 265-271. | 2.3 | 35 |
| 28 | Supported metallocene on mesoporous materials. <i>Applied Catalysis A: General</i> , 2007, 333, 96-106. | 2.2 | 34 |
| 29 | Effect of the silica texture on grafting metallocene catalysts. <i>Journal of Molecular Catalysis A</i> , 2007, 265, 167-176. | 4.8 | 34 |
| 30 | Determination of fluoride in coal using pyrohydrolysis for analyte separation. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, 334-338. | 0.6 | 33 |
| 31 | Speciation of inorganic arsenic in rice using hydride generation atomic absorption spectrometry (HG-AAS). <i>Analytical Methods</i> , 2015, 7, 4528-4534. | 1.3 | 32 |
| 32 | 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> , 1998, 13, 7-11. | 1.6 | 31 |
| 33 | Micronebulization for trace analysis of lanthanides in small biological specimens by ICP-MS. <i>International Journal of Mass Spectrometry</i> , 2007, 266, 25-33. | 0.7 | 31 |
| 34 | Toxic and nutrient elements in yerba mate (<i>Ilex paraguariensis</i>). <i>Food Additives and Contaminants: Part B Surveillance</i> , 2015, 8, 215-220. | 1.3 | 31 |
| 35 | 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> , 2008, 23, 1076. | 1.6 | 30 |
| 36 | Methodology for Hg determination in honey using cloud point extraction and cold vapour-inductively coupled plasma optical emission spectrometry. <i>Analytical Methods</i> , 2010, 2, 180-185. | 1.3 | 30 |

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|----|---|-----|-----------|
| 37 | 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> , 2000, 64, 105-110. | 2.3 | 29 |
| 38 | Metals, arsenic and hydrocarbons monitoring in marine sediment during drilling activities using NAFs. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 22-31. | 0.6 | 26 |
| 39 | Methods of multivariate analysis of NIR reflectance spectra for classification of yerba mate. <i>Analytical Methods</i> , 2014, 6, 7621-7627. | 1.3 | 26 |
| 40 | Determination of Hg in seawater by inductively coupled plasma mass spectrometry after on-line pre-concentration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 1963-1971. | 1.5 | 25 |
| 41 | Biomonitoring of essential and toxic elements in small biological tissues by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1281. | 1.6 | 25 |
| 42 | 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. | 1.5 | 24 |
| 43 | Element selection and concentration analysis for classifying South America wine samples according to the country of origin. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 33-40. | 3.7 | 24 |
| 44 | Direct determination of lanthanides in environmental samples using ultrasonic nebulization and ICP OES. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 627-634. | 0.6 | 23 |
| 45 | 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> , 2001, 438, 215-225. | 2.6 | 22 |
| 46 | 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> , 2012, 23, 2211-2221. | 0.6 | 21 |
| 47 | Toxic and micronutrient elements in organic, brown and polished rice in Brazil. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2014, 7, 63-69. | 1.3 | 21 |
| 48 | Análise de cabelo: uma revisão dos procedimentos para a determinação de elementos traço e aplicação. <i>Química Nova</i> , 1999, 22, 838-846. | 0.3 | 21 |
| 49 | Total Mercury, Inorganic Mercury and Methyl Mercury Determination in Red Wine. <i>Food Analytical Methods</i> , 2012, 5, 505-511. | 1.3 | 20 |
| 50 | Near infrared spectroscopy and element concentration analysis for assessing yerba mate (<i>Ilex Tj</i> ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Agriculture, 2017, 140, 348-360. | 3.7 | 20 |
| 51 | Multivariate optimization for cloud point extraction and determination of lanthanides. <i>Analytical Methods</i> , 2012, 4, 2809. | 1.3 | 19 |
| 52 | 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> , 2012, 4, 89-95. | 1.3 | 19 |
| 53 | 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. | 1.6 | 18 |
| 54 | Immobilization of Zirconocene into Silica Prepared by Non-Hydrolytic Sol-Gel Method. <i>Macromolecular Symposia</i> , 2006, 245-246, 77-86. | 0.4 | 18 |

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|----|--|-----|-----------|
| 55 | Lanthanides determination in red wine using ultrasound assisted extraction, flow injection, aerosol desolvation and ICP-MS. <i>Analytica Chimica Acta</i> , 2012, 710, 33-39. | 2.6 | 18 |
| 56 | 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> , 2015, 8, 1652-1660. | 1.3 | 18 |
| 57 | Advances of nitrogen microwave plasma for optical emission spectrometry and applications in elemental analysis: a review. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2113-2131. | 1.6 | 18 |
| 58 | Determination of Mo, U and B in waters by electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Talanta</i> , 1998, 47, 849-859. | 2.9 | 17 |
| 59 | Advantages, drawbacks and applications of mixed Ar ²⁺ sources in inductively coupled plasma-based techniques: an overview. <i>Analytical Methods</i> , 2014, 6, 6170-6182. | 1.3 | 17 |
| 60 | Direct determination of trace elements in austenitic stainless steel samples by ETV-ICPOES. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2434-2440. | 1.6 | 17 |
| 61 | 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. | 0.6 | 17 |
| 62 | Determination of trace elements in paints by direct sampling graphite furnace atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2007, 602, 23-31. | 2.6 | 16 |
| 63 | Detection of Zn-containing proteins in slug (<i>Genus Arion</i>) tissue using laser ablation ICP-MS after separation by gel electrophoresis. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 66-69. | 0.7 | 14 |
| 64 | Internal standardization in axially viewed inductively coupled plasma optical emission spectrometry (ICP OES) combined with pneumatic nebulization and aerosol desolvation. <i>Analytical Methods</i> , 2013, 5, 4371. | 1.3 | 14 |
| 65 | 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. | 2.6 | 13 |
| 66 | 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> , 2015, 32, 1215-1222. | 1.1 | 12 |
| 67 | Effect of N ₂ on the emission profile and excitation temperature in axially viewed plasma-ICP OES. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 468-478. | 1.6 | 11 |
| 68 | Multielement determination in medicinal plants using electrothermal vaporization coupled to ICP OES. <i>Analytical Methods</i> , 2017, 9, 3497-3504. | 1.3 | 11 |
| 69 | Solid sampling analysis of a Mg alloy using electrothermal vaporization inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2041-2045. | 1.6 | 11 |
| 70 | Bioimaging Metallomics. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1055, 139-181. | 0.8 | 11 |
| 71 | 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> , 2020, 92, 103585. | 1.9 | 11 |
| 72 | 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> , 2020, 12, 2638-2644. | 1.3 | 11 |

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|----|---|-----|-----------|
| 73 | 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> , 2021, 99, 103849. | 1.9 | 11 |
| 74 | 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> , 2013, 789, 33-40. | 2.6 | 10 |
| 75 | Rice Slurry Analysis Using Mixed-Gas Plasma and Axially Viewed ICP OES. <i>Food Analytical Methods</i> , 2014, 7, 1415-1423. | 1.3 | 10 |
| 76 | Trace element determination in leather samples using on-line internal standardization, ultrasonic nebulization and axial view-ICP OES. <i>Analytical Methods</i> , 2015, 7, 5180-5185. | 1.3 | 10 |
| 77 | Wavelength selection framework for classifying food and pharmaceutical samples into multiple classes. <i>Journal of Chemometrics</i> , 2016, 30, 346-353. | 0.7 | 10 |
| 78 | Supported metallocenes produced by a non-hydrolytic sol-gel process: Application in ethylene polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 124020. | 2.3 | 10 |
| 79 | Determination of Titanium and Vanadium in Ziegler-Natta Catalysts by Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Analytical Sciences</i> , 2006, 22, 855-859. | 0.8 | 9 |
| 80 | Arsenic speciation analysis in rice milk using LC-ICP-MS. <i>Food Chemistry: X</i> , 2019, 2, 100028. | 1.8 | 9 |
| 81 | Arsenic Determination in Marine Sediment Using Ultrasound for Sample Preparation. <i>Analytical Sciences</i> , 2007, 23, 1097-1101. | 0.8 | 8 |
| 82 | 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> , 2018, 33, 1486-1492. | 1.6 | 8 |
| 83 | 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> , 2019, 34, 891-898. | 1.6 | 8 |
| 84 | Estudo comparativo de métodos de preparo de amostras de tinta para a determinação de metais e metais pesados por técnicas de espectrometria atômica. <i>Química Nova</i> , 2009, 32, 884-890. | 0.3 | 7 |
| 85 | Metal and hydrocarbon behavior in sediments from Brazilian shallow waters drilling activities using nonaqueous drilling fluids (NAFs). <i>Environmental Monitoring and Assessment</i> , 2010, 167, 33-47. | 1.3 | 7 |
| 86 | Straightforward determination of U, Th, and Hf at trace levels using ultrasonic nebulization and axial view ICP OES. <i>Analytical Methods</i> , 2016, 8, 504-509. | 1.3 | 6 |
| 87 | 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> , 2011, 44, 138-145. | 0.5 | 5 |
| 88 | Straightforward way to enhance robustness in ultrasonic nebulization-axial view inductively coupled plasma optical emission spectrometry via an additional N ₂ gas stream. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 113, 84-92. | 1.5 | 5 |
| 89 | Sample preparation strategies for petroleum coke digestion and further cerium and lanthanum determination by DSN-ICP-OES. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1284-1291. | 1.6 | 4 |
| 90 | Effects of La ₂ O ₃ nanoparticles and bulk-La ₂ O ₃ on the development of <i>Pfaffia glomerata</i> (Spreng.) Pedersen and respective nutrient element concentration. <i>Environmental Science and Pollution Research</i> , 2022, 29, 60084-60097. | 2.7 | 3 |

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|----|---|-----|-----------|
| 91 | 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> , 2011, 307, 137-141. | 0.7 | 2 |
| 92 | 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> , 2016, , . | 0.6 | 2 |
| 93 | 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> , 2016, 31, 1141-1149. | 1.6 | 2 |
| 94 | 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> , 2018, 33, 1269-1273. | 1.6 | 2 |
| 95 | Multivariate Analysis of the Profile of Elements Concentrations in the Yerba Mate (<i>Ilex</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58 | 0.1 | 1 |
| 96 | Outstanding Reviewers for <i>Journal of Analytical Atomic Spectrometry</i> in 2018. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 802-802. | 1.6 | 0 |
| 97 | Method Validation and Determination of Leachable Metals from Infusion and Transfusion Medical Devices. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, , . | 0.3 | 0 |
| 98 | Metallomics Imaging. <i>Neuromethods</i> , 2021, , 267-304. | 0.2 | 0 |