# M LÃºcia M F S Saraiva

List of Publications by Year
in descending order



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|---|---|---|---|
| 101 papers | 1,944 citations | 236612 25 h-index | 301761 39 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 2334 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ionic liquids impact on the catalysis of glucose oxidase and Cu/luminol/H2O2 system. Chemical Papers, 2022, 76, 1493-1500. | 1.0 | 1 |
| 2 | Photoluminescent and visual determination of ibandronic acid using a carbon dots/AgInS2 quantum dots ratiometric sensing platform. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120592. | 2.0 | 17 |
| 3 | Protein discrimination using erythrosin B-based GUMBOS in combination with UVâ€“Vis spectroscopy and chemometrics. Talanta, 2022, 240, 123164. | 2.9 | 4 |
| 4 | Automatic Identification of Myeloperoxidase Natural Inhibitors in Plant Extracts. Molecules, 2022, 27, 1825. | 1.7 | 4 |
| 5 | Automated approach for the evaluation of glutathione-S-transferase P1-1 inhibition by organometallic anticancer compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1527-1536. | 2.5 | 4 |
| 6 | Evaluation of Ionic Liquids and Ionic Liquids Active Pharmaceutical Ingredients Inhibition in Elastase Enzyme Activity. Molecules, 2021, 26, 200. | 1.7 | 12 |
| 7 | Automatic evaluation of cyclooxygenase 2 inhibition induced by metal-based anticancer compounds. Journal of Inorganic Biochemistry, 2021, 218, 111399. | 1.5 | 3 |
| 8 | Microsequential injection analysis/labâ€onâ€valve system for the automatic evaluation of acetylcholinesterase inhibitors. Archiv Der Pharmazie, 2021, 354, e2100150. | 2.1 | 0 |
| 9 | A Strategy to Conjugate Bioactive Fragments to Cytotoxic Diiron Bis(cyclopentadienyl) Complexes. Organometallics, 2021, 40, 2516-2528. | 1.1 | 9 |
| 10 | Development of an automated yeast-based spectrophotometric method for toxicity screening: Application to ionic liquids, GUMBOS, and deep eutectic solvents. Chemosphere, 2021, 277, 130227. | 4.2 | 2 |
| 11 | Added value of ionic liquids in a biocatalytic process: An automatic approach. Process Biochemistry, 2021, 108, 121-128. | 1.8 | 3 |
| 12 | Biomarkers in the diagnosis of wounds infection: An analytical perspective. TrAC - Trends in Analytical Chemistry, 2021, 143, 116405. | 5.8 | 16 |
| 13 | Multiplexed detection using quantum dots as photoluminescent sensing elements or optical labels. Coordination Chemistry Reviews, 2021, 448, 214181. | 9.5 | 26 |
| 14 | Chemometric-assisted kinetic determination of oxytetracycline using AgInS2 quantum dots as PL sensing platforms. Analytica Chimica Acta, 2021, 1188, 339174. | 2.6 | 7 |
| 15 | Automatic fluorometric lactate determination in human plasma samples. New Journal of Chemistry, 2020, 44, 543-548. | 1.4 | 4 |
| 16 | Bisâ€conjugation of Bioactive Molecules to Cisplatinâ€like Complexes through (2,2â€²â€Bipyridine)â€4,4â€²â€Dicarboxylic Acid with Optimal Cytotoxicity Profile Provided by the Combination Ethacrynic Acid/Flurbiprofen. Chemistry - A European Journal, 2020, 26, 17525-17535. | 1.7 | 10 |
| 17 | GUMBOS and nanoGUMBOS in chemical and biological analysis: A review. Analytica Chimica Acta, 2020, 1133, 180-198. | 2.6 | 10 |
| 18 | Miniaturized technologies for high-throughput drug screening enzymatic assays and diagnostics â€“ A review. TrAC - Trends in Analytical Chemistry, 2020, 126, 115862. | 5.8 | 18 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Immobilized imidazolium-based ionic liquids in C18 for solid-phase extraction. Analyst, The, 2020, 145, 2701-2708. | 1.7 | 6 |
| 20 | Enhancing extraction and purification of phycocyanin from Arthrospira sp. with lower energy consumption. Energy Reports, 2020, 6, 312-318. | 2.5 | 26 |
| 21 | Enzymatic Reactions in a Lab-on-Valve System: Cholesterol Evaluations. Molecules, 2019, 24, 2890. | 1.7 | 6 |
| 22 | Automatic methodologies to perform loading and release assays of anticancer drugs from mesoporous silicon nanoparticles. Talanta, 2019, 196, 277-283. | 2.9 | 2 |
| 23 | Detection in UV-visible spectrophotometry: Detectors, detection systems, and detection strategies. Measurement: Journal of the International Measurement Confederation, 2019, 135, 896-904. | 2.5 | 73 |
| 24 | Manual or automated measuring of antipsychotics' chemical oxygen demand. Ecotoxicology and Environmental Safety, 2018, 152, 55-60. | 2.9 | 8 |
| 25 | The role of ionic liquids in the biocatalytic evaluation of bisphenol levels as contaminant: an automatic approach. Analyst, The, 2018, 143, 2426-2434. | 1.7 | 0 |
| 26 | Microfluidic Chemiluminescence System with Yeast Saccharomyces cerevisiae for Rapid Biochemical Oxygen Demand Measurement. ACS Sustainable Chemistry and Engineering, 2018, 6, 6094-6101. | 3.2 | 19 |
| 27 | Organic Compounds. , 2018, , 236-236. | | 2 |
| 28 | Mesoporous Silica Nanoparticles for Targeted and Stimuliâ€Responsive Delivery of Chemotherapeutics: A Review. Advanced Biology, 2018, 2, 1800020. | 3.0 | 82 |
| 29 | Biodegradability of several antipsychotic drugs: manual and automatic assessment. New Journal of Chemistry, 2018, 42, 13081-13086. | 1.4 | 1 |
| 30 | Assessment of ionic liquids' toxicity through the inhibition of acylase I activity on a microflow system. Chemosphere, 2017, 173, 351-358. | 4.2 | 16 |
| 31 | Environmental Impact of Ionic Liquids: Automated Evaluation of the Chemical Oxygen Demand of Photochemically Degraded Compounds. ChemPhysChem, 2017, 18, 1351-1357. | 1.0 | 6 |
| 32 | Anti-inflammatory choline based ionic liquids: Insights into their lipophilicity, solubility and toxicity parameters. Journal of Molecular Liquids, 2017, 232, 20-26. | 2.3 | 30 |
| 33 | Environmental Impact of Ionic Liquids: Recent Advances in (Eco)toxicology and (Bio)degradability. ChemSusChem, 2017, 10, 2321-2347. | 3.6 | 202 |
| 34 | Automatic ionic liquid-enhanced membrane microextraction for the determination of melamine in food samples. Food Control, 2017, 79, 162-168. | 2.8 | 12 |
| 35 | Automatic evaluation of peroxidase activity using different substrates under a micro sequential injection analysis/lab-on-valve (Î¼SIA-LOV) format. Microchemical Journal, 2017, 134, 98-103. | 2.3 | 11 |
| 36 | Application of nanocrystalline CdTe quantum dots in chemical analysis: Implementation of chemo-sensing schemes based on analyte-triggered photoluminescence modulation. Coordination Chemistry Reviews, 2017, 330, 127-143. | 9.5 | 59 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Chiral Derivatives of Xanthones: Investigation of the Effect of Enantioselectivity on Inhibition of Cyclooxygenases (COX-1 and COX-2) and Binding Interaction with Human Serum Albumin. Pharmaceuticals, 2017, 10, 50. | 1.7 | 23 |
| 38 | Physical and chemical immobilization of choline oxidase onto different porous solid supports: Adsorption studies. Enzyme and Microbial Technology, 2016, 90, 76-82. | 1.6 | 2 |
| 39 | Automated evaluation of protein binding affinity of anti-inflammatory choline based ionic liquids. Talanta, 2016, 150, 20-26. | 2.9 | 10 |
| 40 | Automated cytochrome c oxidase bioassay developed for ionic liquidsâ€™ toxicity assessment. Journal of Hazardous Materials, 2016, 309, 165-172. | 6.5 | 24 |
| 41 | Automated evaluation of the inhibition of glutathione reductase activity: application to the prediction of ionic liquids' toxicity. RSC Advances, 2015, 5, 78971-78978. | 1.7 | 10 |
| 42 | The aquatic impact of ionic liquids on freshwater organisms. Chemosphere, 2015, 139, 288-294. | 4.2 | 51 |
| 43 | Exploitation of pulsed flows for on-line dispersive liquidâ€“liquid microextraction: Spectrophotometric determination of formaldehyde in milk. Talanta, 2015, 144, 1189-1194. | 2.9 | 55 |
| 44 | Nanoparticle-based assays in automated flow systems: A review. Analytica Chimica Acta, 2015, 889, 22-34. | 2.6 | 29 |
| 45 | Immobilization of Distinctly Capped CdTe Quantum Dots onto Porous Aminated Solid Supports. ChemPhysChem, 2015, 16, 1880-1888. | 1.0 | 5 |
| 46 | Evaluation of ionic liquids as alternative solvents for aldolase activity: Use of a new automated SIA methodology. Talanta, 2015, 141, 293-299. | 2.9 | 5 |
| 47 | Toxicity assessment of ionic liquids with Vibrio fischeri: An alternative fully automated methodology. Journal of Hazardous Materials, 2015, 284, 136-142. | 6.5 | 52 |
| 48 | Sequential injection technique as a tool for the automatic synthesis of silver nanoparticles in a greener way. Talanta, 2015, 133, 45-51. | 2.9 | 15 |
| 49 | Silica nanostructures synthesis and CdTe quantum dots immobilization for photocatalytical applications. RSC Advances, 2014, 4, 59697-59705. | 1.7 | 7 |
| 50 | Automated evaluation of pharmaceutically active ionic liquidsâ€™ (eco)toxicity through the inhibition of human carboxylesterase and Vibrio fischeri. Journal of Hazardous Materials, 2014, 265, 133-141. | 6.5 | 34 |
| 51 | Improved activity of Î±-chymotrypsin in mixed micelles of cetyltrimethylammonium bromide (CTAB) and ionic liquids: A kinetic study resorting to sequential injection analysis. Colloids and Surfaces B: Biointerfaces, 2014, 118, 172-178. | 2.5 | 9 |
| 52 | Active pharmaceutical ingredients based on salicylate ionic liquids: insights into the evaluation of pharmaceutical profiles. New Journal of Chemistry, 2013, 37, 4095. | 1.4 | 53 |
| 53 | Automated carboxylesterase assay for the evaluation of ionic liquidsâ€™ human toxicity. Journal of Hazardous Materials, 2013, 244-245, 563-569. | 6.5 | 25 |
| 54 | A soft strategy for covalent immobilization of glutathione and cysteine capped quantum dots onto amino functionalized surfaces. Chemical Communications, 2013, 49, 2518. | 2.2 | 9 |

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|---|---|---|---|
| 55 | Imidazolium ionic liquids as solvents of pharmaceuticals: Influence on HSA binding and partition coefficient of nimesulide. International Journal of Pharmaceutics, 2013, 443, 273-278. | 2.6 | 34 |
| 56 | Laccaseâ€“biosilica nanostructures â€" A miniaturized automatic approach. Canadian Journal of Chemistry, 2013, 91, 113-119. | 0.6 | 3 |
| 57 | Î²-Galactosidase activity in mixed micelles of imidazolium ionic liquids and sodium dodecylsulfate: A sequential injection kinetic study. Talanta, 2012, 96, 26-33. | 2.9 | 13 |
| 58 | Automated high-throughput Vibrio fischeri assay for (eco)toxicity screening: Application to ionic liquids. Ecotoxicology and Environmental Safety, 2012, 80, 97-102. | 2.9 | 33 |
| 59 | Automatic miniaturized flow methodology with in-line solid-phase extraction for quinine determination in biological samples. Analytical Methods, 2012, 4, 1681. | 1.3 | 2 |
| 60 | Trypsin activity in imidazolium based ionic liquids: evaluation of free and immobilized enzyme. Journal of Molecular Liquids, 2012, 171, 16-22. | 2.3 | 18 |
| 61 | Sequential Injection Chemiluminescence Methodology for Ozone Evaluation. Analytical Letters, 2011, 44, 117-126. | 1.0 | 2 |
| 62 | Sequential Injection Analysis Hyphenated with Other Flow Techniques: A Review. Analytical Letters, 2011, 44, 374-397. | 1.0 | 11 |
| 63 | A reagent-free method based on a photo-induced fluorimetry in a sequential injection system. Talanta, 2011, 84, 1309-1313. | 2.9 | 9 |
| 64 | Sequential injection analysis system with spectrophotometric detection for determination of norfloxacin and ciprofloxacin in pharmaceutical formulations. Quimica Nova, 2011, 34, 256-261. | 0.3 | 5 |
| 65 | Automated evaluation of the effect of ionic liquids on catalase activity. Chemosphere, 2011, 82, 1620-1628. | 4.2 | 38 |
| 66 | Automatic flow methodology for kinetic and inhibition studies of reactions with poorly water-soluble substrates in ionic liquid systems. Analytica Chimica Acta, 2011, 690, 101-107. | 2.6 | 9 |
| 67 | Flow system for the automatic screening of the effect of phenolic compounds on the luminolâ€“hydrogen peroxideâ€“peroxidase chemiluminescence system. Luminescence, 2011, 26, 571-578. | 1.5 | 11 |
| 68 | Enzyme based assays in a sequential injection format: A review. Analytica Chimica Acta, 2011, 689, 160-177. | 2.6 | 49 |
| 69 | Flow Injection Analysis with Immobilized Enzymes in Nonaqueous Media. Current Analytical Chemistry, 2010, 6, 193-202. | 0.6 | 3 |
| 70 | A thionine-based reversible redox sensor in a sequential injection system. Analytica Chimica Acta, 2010, 668, 41-46. | 2.6 | 10 |
| 71 | Evaluation of digestion procedures for simultaneous determination of Ca, P, Mg, K and Na in biodiesel by inductively coupled plasma optical emission spectrometry. Journal of the Brazilian Chemical Society, 2010, 21, 2278-2284. | 0.6 | 27 |
| 72 | Indirect Sequential Injection Enzymatic Determination of Allopurinol in Pharmaceuticals Based on Xanthine Oxidase Inhibition. Spectroscopy Letters, 2009, 42, 341-350. | 0.5 | 3 |

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|---|---|---|---|
| 73 | Estimation of postmortem interval by hypoxanthine and potassium evaluation in vitreous humor with a sequential injection system. Talanta, 2009, 79, 1094-1099. | 2.9 | 27 |
| 74 | Sequential injection system for phospholipase A2 activity evaluation: Studies on liposomes using an environment-sensitive fluorescent probe. Talanta, 2009, 79, 1125-1129. | 2.9 | 3 |
| 75 | Sequential injection fluorimetric determination of Sn in juices of canned fruits. Talanta, 2009, 79, 1100-1103. | 2.9 | 26 |
| 76 | Enzymatic Determination of Glucose in Milk Samples by Sequential Injection Analysis. Analytical Sciences, 2009, 25, 687-692. | 0.8 | 6 |
| 77 | Flow methodology for methanol determination in biodiesel exploiting membrane-based extraction. Analytica Chimica Acta, 2008, 613, 177-183. | 2.6 | 31 |
| 78 | Determination of total and oxidized glutathione in human whole blood with a sequential injection analysis system. Talanta, 2008, 74, 1511-1519. | 2.9 | 34 |
| 79 | Sequential injection analysis as a tool for implementation of enzymatic assays in ionic liquids. Talanta, 2008, 77, 479-483. | 2.9 | 23 |
| 80 | Enzymatic oxidation in aqueous and micellar media based on horseradish peroxidaseâ€“hydrogen peroxide system using a SIA manifold. Talanta, 2008, 77, 484-489. | 2.9 | 5 |
| 81 | Oxidoreductase Behavior in Ionic Liquids: a Review. Analytical Sciences, 2008, 24, 1231-1238. | 0.8 | 52 |
| 82 | Determination of metoprolol, acebutolol and propranolol in pharmaceutical formulations using the same SIA system. Journal of the Brazilian Chemical Society, 2008, 19, 563-568. | 0.6 | 10 |
| 83 | Sequential Injection Spectrophotometric Determination of Metoclopramide in Pharmaceutical Preparations. Spectroscopy Letters, 2007, 40, 51-61. | 0.5 | 8 |
| 84 | Determination of Rh, Pd and Pt in urine samples using a pre-concentration sequential injection analysis system coupled to a quadrupole-inductively coupled plasma-mass spectrometer. Analytica Chimica Acta, 2007, 600, 226-232. | 2.6 | 13 |
| 85 | Fluorimetric determination of aminocaproic acid in pharmaceutical formulations using a sequential injection analysis system. Talanta, 2006, 68, 857-862. | 2.9 | 17 |
| 86 | Exploiting gas diffusion for non-invasive sampling in flow analysis: determination of ethanol in alcoholic beverages. Anais Da Academia Brasileira De Ciencias, 2006, 78, 23-29. | 0.3 | 14 |
| 87 | A flow sampling strategy for the analysis of oil samples without pre-treatment in a sequential injection analysis system. Analytica Chimica Acta, 2006, 555, 377-383. | 2.6 | 20 |
| 88 | Determination and antioxidant activity evaluation of etodolac, an anti-inflammatory drug, by sequential injection analysis. Analytica Chimica Acta, 2006, 573-574, 371-375. | 2.6 | 8 |
| 89 | Determination of Ambroxol in an Automated Multi-Pumping Pulsed Flow System. Analytical Sciences, 2005, 21, 461-464. | 0.8 | 9 |
| 90 | Application of Sequential Injection Analysis to the Determination of Cationic Surfactants Based on the Sensitized Molybdenum-Bromopyrogallol Red Reaction. Analytical Sciences, 2005, 21, 1509-1514. | 0.8 | 8 |

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|---|---|---|---|
| 91 | Application of sequential injection analysis (SIA) to food analysis. Food Chemistry, 2005, 90, 471-490. | 4.2 | 29 |
| 92 | Automatic sequential determination of the hydrogen peroxide scavenging activity and evaluation of the antioxidant potential by the 2,2â€²-azinobis(3-ethylbenzothiazoline-6-sulfonic acid) radical cation assay in wines by sequential injection analysis. Analytica Chimica Acta, 2005, 531, 25-32. | 2.6 | 34 |
| 93 | A pulsed sequential injection analysis flow system for the fluorimetric determination of indomethacin in pharmaceutical preparations. Analytica Chimica Acta, 2005, 539, 173-179. | 2.6 | 31 |
| 94 | An enzymatic flow analysis methodology for the determination of nitrates and nitrites in waters. International Journal of Environmental Analytical Chemistry, 2005, 85, 29-40. | 1.8 | 7 |
| 95 | Sensitive sequential injection determination of naproxen based on interaction with Î²-cyclodextrin. Talanta, 2005, 68, 226-230. | 2.9 | 17 |
| 96 | Multicommuted flow system for the determination of glucose in animal blood serum exploiting enzymatic reaction and chemiluminescence detection. Journal of Automated Methods and Management in Chemistry, 2004, 25, 109-114. | 0.5 | 1 |
| 97 | Sequential injection analysis-based flow system for the enzymatic determination of aspartame. Analytica Chimica Acta, 2004, 514, 37-43. | 2.6 | 32 |
| 98 | An Automatic Flow Procedure for the Determination of 3-Hydroxybutyrate in Animal Serum and Plasma. Journal of Agricultural and Food Chemistry, 2003, 51, 2457-2460. | 2.4 | 12 |
| 99 | Sequential injection analysis of nitrites and nitrates in human serum using nitrate reductase. Clinica Chimica Acta, 2003, 337, 69-76. | 0.5 | 24 |
| 100 | Colorimetric determination of iron in infant fortified formulas by sequential injection analysis. Fresenius' Journal of Analytical Chemistry, 1997, 357, 1153-1156. | 1.5 | 14 |
| 101 | Evaluation of natural computation techniques in the modelling and optimization of a sequential injection flow system for colorimetric iron(III) determination. Analytica Chimica Acta, 1997, 348, 143-150. | 2.6 | 20 |