

# M Lcia M F S Saraiva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

1,458  
citations

22  
h-index

32  
g-index

101  
ext. papers

1,655  
ext. citations

5.7  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
99	Automated approach for the evaluation of glutathione-S-transferase P1-1 inhibition by organometallic anticancer compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2022</b> , 37, 1527-1536	5.6	1
98	Photoluminescent and visual determination of ibandronic acid using a carbon dots/AgInS quantum dots ratiometric sensing platform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 267, 120592	4.4	4
97	Protein discrimination using erythrosin B-based GUMBOS in combination with UV-Vis spectroscopy and chemometrics.. <i>Talanta</i> , <b>2021</b> , 240, 123164	6.2	0
96	Chemometric-assisted kinetic determination of oxytetracycline using AgInS quantum dots as PL sensing platforms. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1188, 339174	6.6	2
95	Automatic evaluation of cyclooxygenase 2 inhibition induced by metal-based anticancer compounds. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 218, 111399	4.2	2
94	Microsequential injection analysis/lab-on-valve system for the automatic evaluation of acetylcholinesterase inhibitors. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2100150	4.3	
93	A Strategy to Conjugate Bioactive Fragments to Cytotoxic Diiron Bis(cyclopentadienyl) Complexes. <i>Organometallics</i> , <b>2021</b> , 40, 2516-2528	3.8	5
92	Evaluation of Ionic Liquids and Ionic Liquids Active Pharmaceutical Ingredients Inhibition in Elastase Enzyme Activity. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
91	Development of an automated yeast-based spectrophotometric method for toxicity screening: Application to ionic liquids, GUMBOS, and deep eutectic solvents. <i>Chemosphere</i> , <b>2021</b> , 277, 130227	8.4	0
90	Added value of ionic liquids in a biocatalytic process: An automatic approach. <i>Process Biochemistry</i> , <b>2021</b> , 108, 121-128	4.8	1
89	Biomarkers in the diagnosis of wounds infection: An analytical perspective. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 143, 116405	14.6	3
88	Multiplexed detection using quantum dots as photoluminescent sensing elements or optical labels. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 448, 214181	23.2	4
87	Miniaturized technologies for high-throughput drug screening enzymatic assays and diagnostics I <sup>A</sup> review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 126, 115862	14.6	8
86	Immobilized imidazolium-based ionic liquids in C18 for solid-phase extraction. <i>Analyst, The</i> , <b>2020</b> , 145, 2701-2708	5	3
85	Enhancing extraction and purification of phycocyanin from <i>Arthrospira</i> sp. with lower energy consumption. <i>Energy Reports</i> , <b>2020</b> , 6, 312-318	4.6	10
84	Automatic fluorometric lactate determination in human plasma samples. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 543-548	3.6	2
83	Bis-conjugation of Bioactive Molecules to Cisplatin-like Complexes through (2,2'FBipyridine)-4,4'FDicarboxylic Acid with Optimal Cytotoxicity Profile Provided by the Combination Ethacrynic Acid/Flurbiprofen. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 17525-17535	4.8	5

82	GUMBOS and nanoGUMBOS in chemical and biological analysis: A review. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1133, 180-198	6.6	4
81	Enzymatic Reactions in a Lab-on-Valve System: Cholesterol Evaluations. <i>Molecules</i> , <b>2019</b> , 24,	4.8	2
80	Automatic methodologies to perform loading and release assays of anticancer drugs from mesoporous silicon nanoparticles. <i>Talanta</i> , <b>2019</b> , 196, 277-283	6.2	2
79	Detection in UV-visible spectrophotometry: Detectors, detection systems, and detection strategies. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 135, 896-904	4.6	32
78	Manual or automated measuring of antipsychoticsTchemical oxygen demand. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 152, 55-60	7	5
77	The role of ionic liquids in the biocatalytic evaluation of bisphenol levels as contaminant: an automatic approach. <i>Analyst, The</i> , <b>2018</b> , 143, 2426-2434	5	
76	Microfluidic Chemiluminescence System with Yeast <i>Saccharomyces cerevisiae</i> for Rapid Biochemical Oxygen Demand Measurement. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6094-6101	8.3	10
75	Mesoporous Silica Nanoparticles for Targeted and Stimuli-Responsive Delivery of Chemotherapeutics: A Review. <i>Advanced Biology</i> , <b>2018</b> , 2, 1800020	3.5	51
74	Biodegradability of several antipsychotic drugs: manual and automatic assessment. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 13081-13086	3.6	1
73	Organic Compounds <b>2018</b> , 236-236		1
72	Assessment of ionic liquidsTtoxicity through the inhibition of acylase I activity on a microflow system. <i>Chemosphere</i> , <b>2017</b> , 173, 351-358	8.4	12
71	Environmental Impact of Ionic Liquids: Automated Evaluation of the Chemical Oxygen Demand of Photochemically Degraded Compounds. <i>ChemPhysChem</i> , <b>2017</b> , 18, 1351-1357	3.2	5
70	Anti-inflammatory choline based ionic liquids: Insights into their lipophilicity, solubility and toxicity parameters. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 232, 20-26	6	20
69	Environmental Impact of Ionic Liquids: Recent Advances in (Eco)toxicology and (Bio)degradability. <i>ChemSusChem</i> , <b>2017</b> , 10, 2321-2347	8.3	151
68	Automatic ionic liquid-enhanced membrane microextraction for the determination of melamine in food samples. <i>Food Control</i> , <b>2017</b> , 79, 162-168	6.2	7
67	Chiral Derivatives of Xanthenes: Investigation of the Effect of Enantioselectivity on Inhibition of Cyclooxygenases (COX-1 and COX-2) and Binding Interaction with Human Serum Albumin. <i>Pharmaceuticals</i> , <b>2017</b> , 10,	5.2	14
66	Automatic evaluation of peroxidase activity using different substrates under a micro sequential injection analysis/lab-on-valve (BIA-LOV) format. <i>Microchemical Journal</i> , <b>2017</b> , 134, 98-103	4.8	9
65	Application of nanocrystalline CdTe quantum dots in chemical analysis: Implementation of chemo-sensing schemes based on analyte-triggered photoluminescence modulation. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 330, 127-143	23.2	46

64	Automated evaluation of protein binding affinity of anti-inflammatory choline based ionic liquids. <i>Talanta</i> , <b>2016</b> , 150, 20-6	6.2	9
63	Automated cytochrome c oxidase bioassay developed for ionic liquids toxicity assessment. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 309, 165-72	12.8	22
62	Physical and chemical immobilization of choline oxidase onto different porous solid supports: Adsorption studies. <i>Enzyme and Microbial Technology</i> , <b>2016</b> , 90, 76-82	3.8	2
61	The aquatic impact of ionic liquids on freshwater organisms. <i>Chemosphere</i> , <b>2015</b> , 139, 288-94	8.4	42
60	Exploitation of pulsed flows for on-line dispersive liquid-liquid microextraction: Spectrophotometric determination of formaldehyde in milk. <i>Talanta</i> , <b>2015</b> , 144, 1189-94	6.2	36
59	Nanoparticle-based assays in automated flow systems: A review. <i>Analytica Chimica Acta</i> , <b>2015</b> , 889, 22-34	6.6	26
58	Immobilization of Distinctly Capped CdTe Quantum Dots onto Porous Aminated Solid Supports. <i>ChemPhysChem</i> , <b>2015</b> , 16, 1880-8	3.2	5
57	Evaluation of ionic liquids as alternative solvents for aldolase activity: Use of a new automated SIA methodology. <i>Talanta</i> , <b>2015</b> , 141, 293-9	6.2	5
56	Toxicity assessment of ionic liquids with <i>Vibrio fischeri</i> : an alternative fully automated methodology. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 284, 136-42	12.8	46
55	Sequential injection technique as a tool for the automatic synthesis of silver nanoparticles in a greener way. <i>Talanta</i> , <b>2015</b> , 133, 45-51	6.2	12
54	Automated evaluation of the inhibition of glutathione reductase activity: application to the prediction of ionic liquids toxicity. <i>RSC Advances</i> , <b>2015</b> , 5, 78971-78978	3.7	9
53	Silica nanostructures synthesis and CdTe quantum dots immobilization for photocatalytical applications. <i>RSC Advances</i> , <b>2014</b> , 4, 59697-59705	3.7	7
52	Automated evaluation of pharmaceutically active ionic liquids (eco)toxicity through the inhibition of human carboxylesterase and <i>Vibrio fischeri</i> . <i>Journal of Hazardous Materials</i> , <b>2014</b> , 265, 133-41	12.8	30
51	Improved activity of $\alpha$ -chymotrypsin in mixed micelles of cetyltrimethylammonium bromide (CTAB) and ionic liquids: a kinetic study resorting to sequential injection analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 118, 172-8	6	9
50	Active pharmaceutical ingredients based on salicylate ionic liquids: insights into the evaluation of pharmaceutical profiles. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 4095	3.6	45
49	Automated carboxylesterase assay for the evaluation of ionic liquids human toxicity. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 244-245, 563-9	12.8	22
48	A soft strategy for covalent immobilization of glutathione and cysteine capped quantum dots onto amino functionalized surfaces. <i>Chemical Communications</i> , <b>2013</b> , 49, 2518-20	5.8	9
47	Imidazolium ionic liquids as solvents of pharmaceuticals: influence on HSA binding and partition coefficient of nimesulide. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 443, 273-8	6.5	25

46	Laccase biosilica nanostructures: A miniaturized automatic approach. <i>Canadian Journal of Chemistry</i> , <b>2013</b> , 91, 113-119	0.9	3
45	Trypsin activity in imidazolium based ionic liquids: evaluation of free and immobilized enzyme. <i>Journal of Molecular Liquids</i> , <b>2012</b> , 171, 16-22	6	17
44	Galactosidase activity in mixed micelles of imidazolium ionic liquids and sodium dodecylsulfate: A sequential injection kinetic study. <i>Talanta</i> , <b>2012</b> , 96, 26-33	6.2	13
43	Automated high-throughput <i>Vibrio fischeri</i> assay for (eco)toxicity screening: application to ionic liquids. <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 80, 97-102	7	30
42	Automatic miniaturized flow methodology with in-line solid-phase extraction for quinine determination in biological samples. <i>Analytical Methods</i> , <b>2012</b> , 4, 1681	3.2	2
41	Sequential Injection Analysis Hyphenated with Other Flow Techniques: A Review. <i>Analytical Letters</i> , <b>2011</b> , 44, 374-397	2.2	11
40	A reagent-free method based on a photo-induced fluorimetry in a sequential injection system. <i>Talanta</i> , <b>2011</b> , 84, 1309-13	6.2	7
39	Sequential injection analysis system with spectrophotometric detection for determination of norfloxacin and ciprofloxacin in pharmaceutical formulations. <i>Quimica Nova</i> , <b>2011</b> , 34, 256-261	1.6	5
38	Automated evaluation of the effect of ionic liquids on catalase activity. <i>Chemosphere</i> , <b>2011</b> , 82, 1620-8	8.4	35
37	Automatic flow methodology for kinetic and inhibition studies of reactions with poorly water-soluble substrates in ionic liquid systems. <i>Analytica Chimica Acta</i> , <b>2011</b> , 690, 101-7	6.6	8
36	Flow system for the automatic screening of the effect of phenolic compounds on the luminol-hydrogen peroxide-peroxidase chemiluminescence system. <i>Luminescence</i> , <b>2011</b> , 26, 571-8	2.5	11
35	Sequential Injection Chemiluminescence Methodology for Ozone Evaluation. <i>Analytical Letters</i> , <b>2011</b> , 44, 117-126	2.2	1
34	Enzyme based assays in a sequential injection format: a review. <i>Analytica Chimica Acta</i> , <b>2011</b> , 689, 160-77	6.6	42
33	Evaluation of digestion procedures for simultaneous determination of Ca, P, Mg, K and Na in biodiesel by inductively coupled plasma optical emission spectrometry. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 2278-2284	1.5	22
32	Flow Injection Analysis with Immobilized Enzymes in Nonaqueous Media. <i>Current Analytical Chemistry</i> , <b>2010</b> , 6, 193-202	1.7	3
31	A thionine-based reversible redox sensor in a sequential injection system. <i>Analytica Chimica Acta</i> , <b>2010</b> , 668, 41-6	6.6	9
30	Indirect Sequential Injection Enzymatic Determination of Allopurinol in Pharmaceuticals Based on Xanthine Oxidase Inhibition. <i>Spectroscopy Letters</i> , <b>2009</b> , 42, 341-350	1.1	2
29	Estimation of postmortem interval by hypoxanthine and potassium evaluation in vitreous humor with a sequential injection system. <i>Talanta</i> , <b>2009</b> , 79, 1094-9	6.2	25

28	Sequential injection system for phospholipase A2 activity evaluation: studies on liposomes using an environment-sensitive fluorescent probe. <i>Talanta</i> , <b>2009</b> , 79, 1125-9	6.2	2
27	Sequential injection fluorimetric determination of Sn in juices of canned fruits. <i>Talanta</i> , <b>2009</b> , 79, 1100-36.2		17
26	Enzymatic determination of glucose in milk samples by sequential injection analysis. <i>Analytical Sciences</i> , <b>2009</b> , 25, 687-92	1.7	6
25	Determination of total and oxidized glutathione in human whole blood with a sequential injection analysis system. <i>Talanta</i> , <b>2008</b> , 74, 1511-9	6.2	27
24	Sequential injection analysis as a tool for implementation of enzymatic assays in ionic liquids. <i>Talanta</i> , <b>2008</b> , 77, 479-483	6.2	21
23	Enzymatic oxidation in aqueous and micellar media based on horseradish peroxidase/hydrogen peroxide system using a SIA manifold. <i>Talanta</i> , <b>2008</b> , 77, 484-489	6.2	3
22	Oxidoreductase behavior in ionic liquids: a review. <i>Analytical Sciences</i> , <b>2008</b> , 24, 1231-8	1.7	47
21	Determination of metoprolol, acebutolol and propranolol in pharmaceutical formulations using the same SIA system. <i>Journal of the Brazilian Chemical Society</i> , <b>2008</b> , 19, 563-568	1.5	10
20	Flow methodology for methanol determination in biodiesel exploiting membrane-based extraction. <i>Analytica Chimica Acta</i> , <b>2008</b> , 613, 177-83	6.6	27
19	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. <i>Analytica Chimica Acta</i> , <b>2007</b> , 600, 226-32	6.6	9
18	Sequential Injection Spectrophotometric Determination of Metoclopramide in Pharmaceutical Preparations. <i>Spectroscopy Letters</i> , <b>2007</b> , 40, 51-61	1.1	6
17	Fluorimetric determination of aminocaproic acid in pharmaceutical formulations using a sequential injection analysis system. <i>Talanta</i> , <b>2006</b> , 68, 857-62	6.2	15
16	Exploiting gas diffusion for non-invasive sampling in flow analysis: determination of ethanol in alcoholic beverages. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2006</b> , 78, 23-9	1.4	12
15	A flow sampling strategy for the analysis of oil samples without pre-treatment in a sequential injection analysis system. <i>Analytica Chimica Acta</i> , <b>2006</b> , 555, 377-383	6.6	19
14	Determination and antioxidant activity evaluation of etodolac, an anti-inflammatory drug, by sequential injection analysis. <i>Analytica Chimica Acta</i> , <b>2006</b> , 573-574, 371-5	6.6	7
13	Sensitive sequential injection determination of naproxen based on interaction with beta-cyclodextrin. <i>Talanta</i> , <b>2005</b> , 68, 226-30	6.2	16
12	Determination of ambroxol in an automated multi-pumping pulsed flow system. <i>Analytical Sciences</i> , <b>2005</b> , 21, 461-4	1.7	7
11	Application of sequential injection analysis to the determination of cationic surfactants based on the sensitized molybdenum-bromopyrogallol red reaction. <i>Analytical Sciences</i> , <b>2005</b> , 21, 1509-14	1.7	8

10	Application of sequential injection analysis (SIA) to food analysis. <i>Food Chemistry</i> , <b>2005</b> , 90, 471-490	8.5	24
9	Automatic sequential determination of the hydrogen peroxide scavenging activity and evaluation of the antioxidant potential by the 2,2'-azinobis(3-ethylbenzothiazoline-6-sulfonic acid) radical cation assay in wines by sequential injection analysis. <i>Analytica Chimica Acta</i> , <b>2005</b> , 531, 25-32	6.6	26
8	A pulsed sequential injection analysis flow system for the fluorimetric determination of indomethacin in pharmaceutical preparations. <i>Analytica Chimica Acta</i> , <b>2005</b> , 539, 173-179	6.6	27
7	An enzymatic flow analysis methodology for the determination of nitrates and nitrites in waters. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2005</b> , 85, 29-40	1.8	4
6	Sequential injection analysis-based flow system for the enzymatic determination of aspartame. <i>Analytica Chimica Acta</i> , <b>2004</b> , 514, 37-43	6.6	28
5	An automatic flow procedure for the determination of 3-hydroxybutyrate in animal serum and plasma. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 2457-60	5.7	8
4	Sequential injection analysis of nitrites and nitrates in human serum using nitrate reductase. <i>Clinica Chimica Acta</i> , <b>2003</b> , 337, 69-76	6.2	20
3	Colorimetric determination of iron in infant fortified formulas by sequential injection analysis. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1997</b> , 357, 1153-1156		11
2	Evaluation of natural computation techniques in the modelling and optimization of a sequential injection flow system for colorimetric iron(III) determination. <i>Analytica Chimica Acta</i> , <b>1997</b> , 348, 143-150	6.6	17
1	Ionic liquids impact on the catalysis of glucose oxidase and Cu/luminol/H <sub>2</sub> O <sub>2</sub> system. <i>Chemical Papers</i> , 1	1.9	