M LÃºcia M F S Saraiva

List of Publications by Year
in descending order

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101	1,944	236612	301761
papers	citations	25 h-index	39 g-index

101	101	101	2334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmental Impact of Ionic Liquids: Recent Advances in (Eco)toxicology and (Bio)degradability. ChemSusChem, 2017, 10, 2321-2347.	3.6	202
2	Mesoporous Silica Nanoparticles for Targeted and Stimuliâ€Responsive Delivery of Chemotherapeutics: A Review. Advanced Biology, 2018, 2, 1800020.	3.0	82
3	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
4	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
5	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
6	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
7	Oxidoreductase Behavior in Ionic Liquids: a Review. Analytical Sciences, 2008, 24, 1231-1238.	0.8	52
8	Toxicity assessment of ionic liquids with Vibrio fischeri: An alternative fully automated methodology. Journal of Hazardous Materials, 2015, 284, 136-142.	6.5	52
9	The aquatic impact of ionic liquids on freshwater organisms. Chemosphere, 2015, 139, 288-294.	4.2	51
10	Enzyme based assays in a sequential injection format: A review. Analytica Chimica Acta, 2011, 689, 160-177.	2.6	49
11	Automated evaluation of the effect of ionic liquids on catalase activity. Chemosphere, 2011, 82, 1620-1628.	4.2	38
12	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
13	Determination of total and oxidized glutathione in human whole blood with a sequential injection analysis system. Talanta, 2008, 74, 1511-1519.	2.9	34
14	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
15	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
16	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
17	Sequential injection analysis-based flow system for the enzymatic determination of aspartame. Analytica Chimica Acta, 2004, 514, 37-43.	2.6	32
18	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

#	Article	IF	Citations
19	Flow methodology for methanol determination in biodiesel exploiting membrane-based extraction. Analytica Chimica Acta, 2008, 613, 177-183.	2.6	31
20	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
21	Application of sequential injection analysis (SIA) to food analysis. Food Chemistry, 2005, 90, 471-490.	4.2	29
22	Nanoparticle-based assays in automated flow systems: A review. Analytica Chimica Acta, 2015, 889, 22-34.	2.6	29
23	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
24	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
25	Sequential injection fluorimetric determination of Sn in juices of canned fruits. Talanta, 2009, 79, 1100-1103.	2.9	26
26	Multiplexed detection using quantum dots as photoluminescent sensing elements or optical labels. Coordination Chemistry Reviews, 2021, 448, 214181.	9.5	26
27	Enhancing extraction and purification of phycocyanin from Arthrospira sp. with lower energy consumption. Energy Reports, 2020, 6, 312-318.	2.5	26
28	Automated carboxylesterase assay for the evaluation of ionic liquidsâ€™ human toxicity. Journal of Hazardous Materials, 2013, 244-245, 563-569.	6.5	25
29	Sequential injection analysis of nitrites and nitrates in human serum using nitrate reductase. Clinica Chimica Acta, 2003, 337, 69-76.	0.5	24
30	Automated cytochrome c oxidase bioassay developed for ionic liquidsâ€™ toxicity assessment. Journal of Hazardous Materials, 2016, 309, 165-172.	6.5	24
31	Sequential injection analysis as a tool for implementation of enzymatic assays in ionic liquids. Talanta, 2008, 77, 479-483.	2.9	23
32	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
33	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
34	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
35	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
36	Trypsin activity in imidazolium based ionic liquids: evaluation of free and immobilized enzyme. Journal of Molecular Liquids, 2012, 171, 16-22.	2.3	18

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37	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
38	Sensitive sequential injection determination of naproxen based on interaction with Î²-cyclodextrin. Talanta, 2005, 68, 226-230.	2.9	17
39	Fluorimetric determination of aminocaproic acid in pharmaceutical formulations using a sequential injection analysis system. Talanta, 2006, 68, 857-862.	2.9	17
40	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
41	Assessment of ionic liquids' toxicity through the inhibition of acylase I activity on a microflow system. Chemosphere, 2017, 173, 351-358.	4.2	16
42	Biomarkers in the diagnosis of wounds infection: An analytical perspective. TrAC - Trends in Analytical Chemistry, 2021, 143, 116405.	5.8	16
43	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
44	Colorimetric determination of iron in infant fortified formulas by sequential injection analysis. Fresenius' Journal of Analytical Chemistry, 1997, 357, 1153-1156.	1.5	14
45	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
46	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
47	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
48	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
49	Automatic ionic liquid-enhanced membrane microextraction for the determination of melamine in food samples. Food Control, 2017, 79, 162-168.	2.8	12
50	Evaluation of Ionic Liquids and Ionic Liquids Active Pharmaceutical Ingredients Inhibition in Elastase Enzyme Activity. Molecules, 2021, 26, 200.	1.7	12
51	Sequential Injection Analysis Hyphenated with Other Flow Techniques: A Review. Analytical Letters, 2011, 44, 374-397.	1.0	11
52	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
53	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
54	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

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55	A thionine-based reversible redox sensor in a sequential injection system. Analytica Chimica Acta, 2010, 668, 41-46.	2.6	10
56	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
57	Automated evaluation of protein binding affinity of anti-inflammatory choline based ionic liquids. Talanta, 2016, 150, 20-26.	2.9	10
58	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
59	GUMBOS and nanoGUMBOS in chemical and biological analysis: A review. Analytica Chimica Acta, 2020, 1133, 180-198.	2.6	10
60	Determination of Ambroxol in an Automated Multi-Pumping Pulsed Flow System. Analytical Sciences, 2005, 21, 461-464.	0.8	9
61	A reagent-free method based on a photo-induced fluorimetry in a sequential injection system. Talanta, 2011, 84, 1309-1313.	2.9	9
62	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
63	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
64	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
65	A Strategy to Conjugate Bioactive Fragments to Cytotoxic Diiron Bis(cyclopentadienyl) Complexes. Organometallics, 2021, 40, 2516-2528.	1.1	9
66	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
67	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
68	Sequential Injection Spectrophotometric Determination of Metoclopramide in Pharmaceutical Preparations. Spectroscopy Letters, 2007, 40, 51-61.	0.5	8
69	Manual or automated measuring of antipsychotics' chemical oxygen demand. Ecotoxicology and Environmental Safety, 2018, 152, 55-60.	2.9	8
70	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
71	Silica nanostructures synthesis and CdTe quantum dots immobilization for photocatalytical applications. RSC Advances, 2014, 4, 59697-59705.	1.7	7
72	Chemometric-assisted kinetic determination of oxytetracycline using AgInS2 quantum dots as PL sensing platforms. Analytica Chimica Acta, 2021, 1188, 339174.	2.6	7

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73	Enzymatic Determination of Glucose in Milk Samples by Sequential Injection Analysis. Analytical Sciences, 2009, 25, 687-692.	0.8	6
74	Environmental Impact of Ionic Liquids: Automated Evaluation of the Chemical Oxygen Demand of Photochemically Degraded Compounds. ChemPhysChem, 2017, 18, 1351-1357.	1.0	6
75	Enzymatic Reactions in a Lab-on-Valve System: Cholesterol Evaluations. Molecules, 2019, 24, 2890.	1.7	6
76	Immobilized imidazolium-based ionic liquids in C18 for solid-phase extraction. Analyst, The, 2020, 145, 2701-2708.	1.7	6
77	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
78	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
79	Immobilization of Distinctly Capped CdTe Quantum Dots onto Porous Aminated Solid Supports. ChemPhysChem, 2015, 16, 1880-1888.	1.0	5
80	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
81	Automatic fluorometric lactate determination in human plasma samples. New Journal of Chemistry, 2020, 44, 543-548.	1.4	4
82	Protein discrimination using erythrosin B-based GUMBOS in combination with UVâ€“Vis spectroscopy and chemometrics. Talanta, 2022, 240, 123164.	2.9	4
83	Automatic Identification of Myeloperoxidase Natural Inhibitors in Plant Extracts. Molecules, 2022, 27, 1825.	1.7	4
84	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
85	Indirect Sequential Injection Enzymatic Determination of Allopurinol in Pharmaceuticals Based on Xanthine Oxidase Inhibition. Spectroscopy Letters, 2009, 42, 341-350.	0.5	3
86	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
87	Flow Injection Analysis with Immobilized Enzymes in Nonaqueous Media. Current Analytical Chemistry, 2010, 6, 193-202.	0.6	3
88	Laccaseâ€“biosilica nanostructures â€” A miniaturized automatic approach. Canadian Journal of Chemistry, 2013, 91, 113-119.	0.6	3
89	Automatic evaluation of cyclooxygenase 2 inhibition induced by metal-based anticancer compounds. Journal of Inorganic Biochemistry, 2021, 218, 111399.	1.5	3
90	Added value of ionic liquids in a biocatalytic process: An automatic approach. Process Biochemistry, 2021, 108, 121-128.	1.8	3

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91	Sequential Injection Chemiluminescence Methodology for Ozone Evaluation. Analytical Letters, 2011, 44, 117-126.	1.0	2
92	Automatic miniaturized flow methodology with in-line solid-phase extraction for quinine determination in biological samples. Analytical Methods, 2012, 4, 1681.	1.3	2
93	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
94	Organic Compounds. , 2018, , 236-236.		2
95	Automatic methodologies to perform loading and release assays of anticancer drugs from mesoporous silicon nanoparticles. Talanta, 2019, 196, 277-283.	2.9	2
96	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
97	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
98	Biodegradability of several antipsychotic drugs: manual and automatic assessment. New Journal of Chemistry, 2018, 42, 13081-13086.	1.4	1
99	Ionic liquids impact on the catalysis of glucose oxidase and Cu/luminol/H2O2 system. Chemical Papers, 2022, 76, 1493-1500.	1.0	1
100	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
101	Microsequential injection analysis/labâ€onâ€valve system for the automatic evaluation of acetylcholinesterase inhibitors. Archiv Der Pharmazie, 2021, 354, e2100150.	2.1	0