

Rui As Lapa

List of Publications by Year in descending order

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48
papers

1,499
citations

430754

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315616

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docs citations

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times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicommutation in flow analysis. Part 1. Binary sampling: concepts, instrumentation and spectrophotometric determination of iron in plant digests. <i>Analytica Chimica Acta</i> , 1994, 293, 129-138.	2.6	308
2	Multicommutation in flow analysis: concepts, applications and trends. <i>Analytica Chimica Acta</i> , 2002, 468, 119-131.	2.6	212
3	Multi-pumping in flow analysis: concepts, instrumentation, potentialities. <i>Analytica Chimica Acta</i> , 2002, 466, 125-132.	2.6	200
4	Fluorimetric determination of isoniazid by oxidation with cerium(IV) in a multicommutated flow system. <i>Analytica Chimica Acta</i> , 2000, 419, 17-23.	2.6	83
5	A flow-batch titrator exploiting a one-dimensional optimisation algorithm for end point search. <i>Analytica Chimica Acta</i> , 1999, 396, 91-97.	2.6	72
6	Photochemical-fluorimetric determination of folic acid in a multicommutated flow system. <i>Analytica Chimica Acta</i> , 1997, 351, 223-228.	2.6	56
7	Toxicity assessment of ionic liquids with <i>Vibrio fischeri</i> : An alternative fully automated methodology. <i>Journal of Hazardous Materials</i> , 2015, 284, 136-142.	6.5	52
8	Development of a sequential injection analysis system for the simultaneous biosensing of glucose and ethanol in bioreactor fermentation. <i>Food Chemistry</i> , 2003, 81, 141-146.	4.2	39
9	A multicommutated flow system with on-line compensation of the Schlieren effect applied to the spectrophotometric determination of pindolol. <i>Analytica Chimica Acta</i> , 1998, 366, 209-215.	2.6	31
10	Chemiluminometric determination of carvedilol in a multi-pumping flow system. <i>Talanta</i> , 2005, 68, 239-244.	2.9	30
11	Dual-stopped-flow spectrophotometric determination of amiloride hydrochloride in a multicommutated flow system. <i>Analytica Chimica Acta</i> , 2000, 407, 225-231.	2.6	27
12	Construction and evaluation of ion selective electrodes for perchlorate with a summing operational amplifier: application to pyrotechnics mixtures analysis. <i>Analyst</i> , The, 1999, 124, 97-100.	1.7	26
13	Automatic potentiometric flow titration procedure for ascorbic acid determination in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 1221-1225.	1.4	26
14	Automatic Flow System with Voltammetric Detection for Diacetyl Monitoring during Brewing Process. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3647-3653.	2.4	22
15	A Monosegmented Flow Titration for the Spectrophotometric Determination of Total Acidity in Vinegar.. <i>Analytical Sciences</i> , 1999, 15, 665-668.	0.8	21
16	Simultaneous automatic potentiometric determination of acidity, chloride and fluoride in vinegar. <i>Food Control</i> , 1995, 6, 155-159.	2.8	20
17	Sequential Injection Analysis-Based System for On-Line Monitoring of Nitrite and Nitrate in Wastewaters.. <i>Analytical Sciences</i> , 2000, 16, 1157-1160.	0.8	19
18	Continuous sample recirculation in an opened-loop multicommutated flow system. <i>Analytica Chimica Acta</i> , 1998, 377, 103-110.	2.6	18

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19	Determination of calcium, magnesium, sodium and potassium in wines by FIA using an automatic zone sampling system. <i>Food Chemistry</i> , 1996, 55, 397-402.	4.2	17
20	Development of a tubular fluoride potentiometric detector for flow analysis. <i>Analytica Chimica Acta</i> , 2007, 583, 429-436.	2.6	17
21	An automatic titrator based on a multicommutated unsegmented flow system. <i>Analytica Chimica Acta</i> , 2000, 407, 213-223.	2.6	16
22	Flow-injection determination of total organic fluorine with off-line defluorination reaction on a solid sorbent bed. <i>Analytica Chimica Acta</i> , 2007, 600, 147-154.	2.6	15
23	Automatic flow titrator based on a multicommutated unsegmented flow system for alkalinity monitoring in wastewaters. <i>Analytica Chimica Acta</i> , 2001, 438, 291-298.	2.6	13
24	CMOS arrays as chemiluminescence detectors on microfluidic devices. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 381-388.	1.9	12
25	Combination of Gemcitabine with Cell-Penetrating Peptides: A Pharmacokinetic Approach Using In Silico Tools. <i>Biomolecules</i> , 2019, 9, 693.	1.8	12
26	Precipitation titrations using an automatic titrator based on a multicommutated unsegmented flow system. <i>Analyst</i> , The, 2000, 125, 333-340.	1.7	11
27	Potentiometric Flow Injection Determination of Glycerol in Distilled Spirits. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 74-77.	2.4	10
28	Determination of Low Levels of Nitrates in Natural Waters by Direct Potentiometry Using an Ion Selective Electrode of Improved Sensitivity. <i>International Journal of Environmental Analytical Chemistry</i> , 1997, 66, 71-78.	1.8	9
29	Development of Flow Systems by Direct-milling on Poly(methyl methacrylate) Substrates Using UV-Photopolymerization as Sealing Process. <i>Analytical Sciences</i> , 2009, 25, 443-448.	0.8	9
30	New In Vitro-In Silico Approach for the Prediction of In Vivo Performance of Drug Combinations. <i>Molecules</i> , 2021, 26, 4257.	1.7	9
31	Determination of glucose in soft drink and sugar-cane juice employing a multicommutation approach in flow system and enzymatic reaction. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 358-361.	1.5	8
32	Development of micro-flow devices by direct-milling on poly(methyl methacrylate) substrates with integrated optical detection. <i>Mikrochimica Acta</i> , 2009, 166, 189-195.	2.5	8
33	Determination of Phenolic Compounds in Waste Waters by Sequential Injection Analysis and Spectrophometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 76, 69-76.	1.8	7
34	Reagent generation for chemical analysis assisted by ultrasonic irradiation. <i>Ultrasonics</i> , 2004, 42, 585-590.	2.1	7
35	Um fotômetro de fluxo para análises clínicas a base de um diodo emissor de luz bicolor. <i>Química Nova</i> , 1997, 20, 137-145.	0.3	7
36	In Silico Pharmacokinetic Study of Vancomycin Using PBPK Modeling and Therapeutic Drug Monitoring. <i>Current Drug Metabolism</i> , 2021, 22, 150-162.	0.7	6

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37	PBPK Modeling and Simulation and Therapeutic Drug Monitoring: Possible Ways for Antibiotic Dose Adjustment. <i>Processes</i> , 2021, 9, 2087.	1.3	6
38	Construction and evaluation of ion-selective electrodes for potassium and calcium with a summing operational amplifier. Application to wine analysis. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 360, 659-663.	1.5	5
39	Oxidability Determination in Waste Waters Using an Automatic Titrator Based on a Multicommutated Unsegmented Flow System. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 78, 315-332.	1.8	5
40	PBPK Modeling and Simulation of Antibiotics Amikacin, Gentamicin, Tobramycin, and Vancomycin Used in Hospital Practice. <i>Life</i> , 2021, 11, 1130.	1.1	5
41	Determination of fluoride in Spanish vinegars. <i>Food Chemistry</i> , 1992, 45, 365-367.	4.2	4
42	Sequential Determination of Calcium and Magnesium Cations in Haemodialysis Solutions by FIA. <i>Analytical Sciences</i> , 1997, 13, 409-414.	0.8	4
43	A Multicommutated Flow System Based on an Opened Loop with Micropump Propulsion. <i>Analytical Letters</i> , 2007, 40, 1632-1645.	1.0	3
44	Added value of ionic liquids in a biocatalytic process: An automatic approach. <i>Process Biochemistry</i> , 2021, 108, 121-128.	1.8	3
45	Permeability evaluation of gemcitabine- <i>CPP6</i> conjugates in Caco-2 cells. <i>ADMET and DMPK</i> , 2021, 9, 41-48.	1.1	3
46	Permeability of Gemcitabine and PBPK Modeling to Assess Oral Administration. <i>Current Issues in Molecular Biology</i> , 2021, 43, 2189-2198.	1.0	3
47	Automated flow-rate meter for flow-analysis systems. <i>Laboratory Robotics and Automation</i> , 1999, 11, 97-104.	0.3	2
48	A retrospective study comparing creatinine clearance estimation using different equations on a population-based cohort. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 5680-5691.	1.0	1