FÃ¡bio R P Rocha

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8386471/publications.pdf

Version: 2024-02-01

204	5,258	109137	123241
papers	citations	35 h-index	61 g-index

210	210	210	3433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multicommutation in flow analysis. Part 1. Binary sampling: concepts, instrumentation and spectrophotometric determination of iron in plant digests. Analytica Chimica Acta, 1994, 293, 129-138.	2.6	308
2	Peat as a natural solid-phase for copper preconcentration and determination in a multicommuted flow system coupled to flame atomic absorption spectrometry. Analytica Chimica Acta, 2009, 636, 198-204.	2.6	284
3	Multicommutation in flow analysis: concepts, applications and trends. Analytica Chimica Acta, 2002, 468, 119-131.	2.6	212
4	Multi-pumping in flow analysis: concepts, instrumentation, potentialities. Analytica Chimica Acta, 2002, 466, 125-132.	2.6	200
5	Recent advances on determination of milk adulterants. Food Chemistry, 2017, 221, 1232-1244.	4.2	180
6	Green chemistry and the evolution of flow analysis. A review. Analytica Chimica Acta, 2012, 714, 8-19.	2.6	160
7	Liquidâ€“liquid extraction in flow analysis: A critical review. Analytica Chimica Acta, 2009, 652, 54-65.	2.6	146
8	Multi-pumping flow systems: an automation tool*1. Talanta, 2004, 64, 1091-1098.	2.9	107
9	Flow analysis strategies to greener analytical chemistry. An overview. Green Chemistry, 2001, 3, 216.	4.6	89
10	An improved flow system for phenols determination exploiting multicommutation and long pathlength spectrophotometry. Talanta, 2004, 62, 463-467.	2.9	78
11	A flow-based procedure with solenoid micro-pumps for the spectrophotometric determination of uric acid in urine. Microchemical Journal, 2010, 94, 53-59.	2.3	75
12	A critical examination of the components of the Schlieren effect in flow analysis. Talanta, 2006, 68, 1076-1082.	2.9	73
13	A flow-batch titrator exploiting a one-dimensional optimisation algorithm for end point search. Analytica Chimica Acta, 1999, 396, 91-97.	2.6	72
14	A portable and low cost equipment for flow injection chemiluminescence measurements. Talanta, 2005, 67, 673-677.	2.9	66
15	Greening sample preparation in inorganic analysis. TrAC - Trends in Analytical Chemistry, 2013, 45, 79-92.	5.8	65
16	Photochemical-fluorimetric determination of folic acid in a multicommutated flow system. Analytica Chimica Acta, 1997, 351, 223-228.	2.6	56
17	Monoliths: Synthetic routes, functionalization and innovative analytical applications. TrAC - Trends in Analytical Chemistry, 2019, 115, 39-51.	5.8	56
18	A novel approach to detect milk adulteration based on the determination of protein content by smartphone-based digital image colorimetry. Food Control, 2020, 115, 107299.	2.8	56

#	ARTICLE	IF	CITATIONS
19	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
20	Multi-commutation in flow analysis: Recent developments and applications. Analytica Chimica Acta, 2008, 618, 1-17.	2.6	54
21	The aquatic impact of ionic liquids on freshwater organisms. Chemosphere, 2015, 139, 288-294.	4.2	51
22	Multicommutation in flow analysis. Part 2. Binary sampling for spectrophotometric determination of nickel, iron and chromium in steel alloys. Analytica Chimica Acta, 1995, 308, 397-405.	2.6	50
23	A green analytical procedure for sensitive and selective determination of iron in water samples by flow-injection solid-phase spectrophotometry. Talanta, 2007, 71, 1507-1511.	2.9	50
24	Flow-injection solid-phase spectrophotometry for the determination of zinc in pharmaceutical preparations. Analytica Chimica Acta, 1999, 383, 309-315.	2.6	45
25	An improved flow system for spectrophotometric determination of anions exploiting multicommutation and multidetection. Analytica Chimica Acta, 2001, 438, 11-19.	2.6	45
26	A flow system exploiting multicommutation for speciation of inorganic nitrogen in waters. Analytica Chimica Acta, 2000, 409, 227-235.	2.6	43
27	A spot test for iodine value determination in biodiesel based on digital images exploiting a smartphone. Microchemical Journal, 2017, 133, 195-199.	2.3	41
28	A clean method for flow injection spectrophotometric determination of cyclamate in table sweeteners. Analytica Chimica Acta, 2005, 547, 204-208.	2.6	40
29	Development and critical comparison of greener flow procedures for nitrite determination in natural waters. Microchemical Journal, 2007, 85, 209-213.	2.3	40
30	A green and cost-effective procedure for determination of anionic surfactants in milk with liquid-liquid microextraction and smartphone-based photometric detection. Microchemical Journal, 2018, 143, 259-263.	2.3	40
31	A multicommuted flow system with solenoid micro-pumps for paraquat determination in natural waters. Talanta, 2008, 75, 1376-1381.	2.9	39
32	Multicommutation in flow analysis. Part 3. Spectrophotometric kinetic determination of creatinine in urine exploiting a novel zone sampling approach. Analytica Chimica Acta, 1995, 310, 447-452.	2.6	38
33	On-line lab-in-syringe cloud point extraction for the spectrophotometric determination of antimony. Talanta, 2016, 148, 694-699.	2.9	38
34	Spot test for fast determination of hydrogen peroxide as a milk adulterant by smartphone-based digital image colorimetry. Microchemical Journal, 2020, 157, 105042.	2.3	38
35	A multicommuted flow system for sequential spectrophotometric determination of hydrosoluble vitamins in pharmaceutical preparations. Talanta, 2003, 59, 191-200.	2.9	37
36	A flow injection procedure based on solenoid micro-pumps for spectrophotometric determination of free glycerol in biodiesel. Talanta, 2010, 83, 559-564.	2.9	36

#	ARTICLE	IF	CITATIONS
37	Evaluation of a Multicommuted Flow System for Photometric Environmental Measurements. Journal of Automated Methods and Management in Chemistry, 2006, 2006, 1-9.	0.5	34
38	A fast and environmental friendly analytical procedure for determination of melamine in milk exploiting fluorescence quenching. Food Chemistry, 2015, 169, 314-319.	4.2	34
39	Nickel and zinc determination by flow-injection solid-phase spectrophotometry exploiting different sorption rates. Talanta, 2000, 51, 1027-1033.	2.9	32
40	A greener and highly sensitive flow-based procedure for carbaryl determination exploiting long pathlength spectrophotometry and photochemical waste degradation. Talanta, 2010, 81, 327-333.	2.9	32
41	Smartphone-based digital images as a novel approach to determine formaldehyde as a milk adulterant. Food Control, 2021, 125, 107956.	2.8	32
42	A multicommutated flow system with on-line compensation of the Schlieren effect applied to the spectrophotometric determination of pindolol. Analytica Chimica Acta, 1998, 366, 209-215.	2.6	31
43	Flow system with in-line separation/preconcentration coupled to graphite furnace atomic absorption spectrometry with Wâ€“Rh permanent modifier for copper determination in seawater. Analytica Chimica Acta, 2002, 463, 275-282.	2.6	31
44	A green analytical procedure for flow-injection determination of nitrate in natural waters. Talanta, 2005, 65, 461-465.	2.9	31
45	Automatic multicommutation flow system for wide range spectrophotometric calcium determination. Analytica Chimica Acta, 1998, 366, 45-53.	2.6	30
46	Spectrophotometric flow-batch determination of aluminum in plant tissues exploiting a feedback mechanism. Analytica Chimica Acta, 2001, 441, 309-315.	2.6	30
47	Detecting and circumventing sources of inaccuracy in flow analysis. Pure and Applied Chemistry, 2001, 73, 45-54.	0.9	29
48	Pulsed flows in flow analysis: Potentialities, limitations and applications. Talanta, 2015, 143, 419-430.	2.9	29
49	On-line hyphenation of solid-phase extraction to chromatographic separation of sulfonamides with fused-core columns in sequential injection chromatography. Talanta, 2015, 133, 142-149.	2.9	29
50	Evolution of the commutation concept associated with the development of flow analysis. Analytica Chimica Acta, 1999, 400, 249-256.	2.6	28
51	Green Strategies in Trace Analysis: A Glimpse of Simple Alternatives for Sample Pretreatment and Analyte Determination. Spectroscopy Letters, 2009, 42, 418-429.	0.5	28
52	Multi-pumping flow system for the spectrophotometric determination of dipyrone in pharmaceutical preparations. Journal of Pharmaceutical and Biomedical Analysis, 2003, 32, 1011-1017.	1.4	27
53	EstratÃ©gias para aumento de sensibilidade em espectrofotometria UV-VIS. Quimica Nova, 2004, 27, 807-812.	0.3	27
54	Cadmium telluride nanocrystals as luminescent sensitizers in flow analysis. Talanta, 2011, 84, 1314-1317.	2.9	27

#	Article	IF	Citations
55	Feasible photometric measurements in liquidâ€“liquid extraction by exploiting smartphone-based digital images. Analytical Methods, 2017, 9, 2220-2225.	1.3	27
56	Sampling strategies in sequential injection analysis: Exploiting the monosegmented-flow approach. Analytica Chimica Acta, 1998, 366, 257-262.	2.6	26
57	Automatic potentiometric flow titration procedure for ascorbic acid determination in pharmaceutical formulations. Journal of Pharmaceutical and Biomedical Analysis, 2002, 28, 1221-1225.	1.4	26
58	An improved procedure for flow-based turbidimetric sulphate determination based on a liquid core waveguide and pulsed flows. Analytica Chimica Acta, 2008, 616, 56-62.	2.6	26
59	A novel strategy to determine As, Cr, Hg and V in drinking water by ICP-MS/MS. Analytical Methods, 2015, 7, 1215-1220.	1.3	26
60	A portable multi-syringe flow system for spectrofluorimetric determination of iodide in seawater. Talanta, 2015, 144, 1155-1162.	2.9	26
61	A critical review on photochemical conversions in flow analysis. Analytica Chimica Acta, 2015, 896, 11-33.	2.6	26
62	A greener, fast, and cost-effective smartphone-based digital image procedure for quantification of ethanol in distilled beverages. Microchemical Journal, 2019, 147, 437-443.	2.3	26
63	A multicommutation-based flow system for multi-element analysis in pharmaceutical preparations. Talanta, 2001, 55, 861-869.	2.9	25
64	Direct Solid-Phase Optical Measurements in Flow Systems: A Review. Analytical Letters, 2011, 44, 528-559.	1.0	25
65	A novel flow-based strategy for implementing differential kinetic analysis. Analytica Chimica Acta, 2006, 572, 316-320.	2.6	24
66	Evidences of turbulent mixing in multi-pumping flow systems. Talanta, 2009, 79, 978-983.	2.9	24
67	Sequential spectrofluorimetric determination of free and total glycerol in biodiesel in a multicommuted flow system. Analytical and Bioanalytical Chemistry, 2011, 401, 365-371.	1.9	24
68	An environmentally friendly flow-based procedure with photo-induced oxidation for the spectrophotometric determination of chloride in urine and waters. Microchemical Journal, 2013, 108, 193-197.	2.3	24
69	Flow-injection spectrophotometric catalytic determination of manganese in plants exploiting the aerial oxidation of diphenyl carbazone. Analytica Chimica Acta, 1998, 366, 87-92.	2.6	23
70	Spectrophotometric flow-injection determination of copper and nickel in plant digests exploiting differential kinetic analysis and multi-site detection. Analytica Chimica Acta, 2006, 570, 124-128.	2.6	23
71	An environmentally friendly flow system for high-sensitivity spectrophotometric determination of free chlorine in natural waters. Microchemical Journal, 2010, 96, 77-81.	2.3	23
72	A green analytical procedure for determination of copper and iron in plant materials after cloud point extraction. Journal of the Brazilian Chemical Society, 2010, 21, 234-239.	0.6	23

#	ARTICLE	IF	CITATIONS
73	A novel spot test based on digital images for determination of methanol in biodiesel. Talanta, 2019, 195, 229-235.	2.9	22
74	Simultaneous determination of sucrose and reducing sugars using indirect flow-injection biamperometry. Analytica Chimica Acta, 1993, 271, 239-246.	2.6	21
75	Monosegmented flow system exploiting multicommutation applied to spectrophotometric determination of manganese in soybean digests. Analytica Chimica Acta, 1999, 386, 129-135.	2.6	21
76	A Multiâ€purpose Flow System Based on Multiâ€commutation. Spectroscopy Letters, 2006, 39, 651-668.	0.5	21
77	A multicommuted flow-system for spectrophotometric determination of tannin exploiting the Cu(I)/BCA complex formation. Microchemical Journal, 2008, 88, 21-25.	2.3	21
78	Cloud point extraction to avoid interferences by structured background on nickel determination in plant materials by FAAS. Analytical Methods, 2009, 1, 68.	1.3	21
79	Flow-injection iodimetric determination of captopril in pharmaceutical preparations. Journal of the Brazilian Chemical Society, 2009, 20, 236-242.	0.6	21
80	Expanding the separation capability of sequential injection chromatography: Determination of melamine in milk exploiting micellar medium and on-line sample preparation. Microchemical Journal, 2014, 117, 106-110.	2.3	20
81	Exploiting Mn(III)/EDTA complex in a flow system with solenoid micro-pumps coupled to long pathlength spectrophotometry for fast manganese determination. Microchemical Journal, 2011, 98, 109-114.	2.3	19
82	A single-phase spectrophotometric procedure for in situ analysis of free glycerol in biodiesel. Microchemical Journal, 2013, 106, 23-26.	2.3	19
83	Multi-energy calibration and sample fusion as alternatives for quantitative analysis of high silicon content samples by laser-induced breakdown spectrometry. Journal of Analytical Atomic Spectrometry, 2019, 34, 1701-1707.	1.6	19
84	Spot test for determination of uric acid in saliva by smartphone-based digital images: A new proposal for detecting kidney dysfunctions. Microchemical Journal, 2021, 162, 105862.	2.3	19
85	A critical evaluation of a long pathlength cell for flow-based spectrophotometric measurements. Microchemical Journal, 2008, 90, 19-25.	2.3	18
86	A multi-pumping flow-based procedure with improved sensitivity for the spectrophotometric determination of acid-dissociable cyanide in natural waters. Analytica Chimica Acta, 2013, 758, 108-113.	2.6	18
87	A green flow-injection procedure for fluorimetric determination of bisphenol A in tap waters based on the inclusion complex with Î²-cyclodextrin. International Journal of Environmental Analytical Chemistry, 2013, 93, 1402-1412.	1.8	18
88	Greener procedures for biodiesel quality control. Analytical Methods, 2015, 7, 4396-4418.	1.3	18
89	An air carrier flow system for the spectrophotometric determination of water in biodiesel exploiting bleaching of the cobalt chloride complex. Talanta, 2015, 131, 21-25.	2.9	18
90	Spectrofluorimetric determination of bisphenol A in tap waters by exploiting liquid-liquid microextraction in a sequential injection system. Microchemical Journal, 2018, 137, 429-434.	2.3	18

#	ARTICLE	IF	CITATIONS
91	Slope ratio calibration for analysis of plant leaves by laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2019, 34, 2314-2324.	1.6	18
92	Determination of reducing sugars by flow injection gravimetry. Analytica Chimica Acta, 1998, 366, 119-125.	2.6	17
93	Single reaction interface in flow analysis. Talanta, 2005, 68, 351-358.	2.9	17
94	An improved flow-injection system for spectrophotometric determination of molybdenum and tungsten in tool steels. Talanta, 2006, 69, 927-931.	2.9	17
95	An environmentally friendly analytical procedure for nickel determination by atomic and molecular spectrometry after cloud point extraction in different samples. Analytical Methods, 2012, 4, 2429.	1.3	17
96	Overcoming the schlieren effect in flow injection spectrophotometry by introduction of large sample volumes: determination of chloride in the electrolyte of lead-acid batteries. Journal of the Brazilian Chemical Society, 1997, 8, 625-629.	0.6	16
97	An automatic titrator based on a multicommutated unsegmented flow system. Analytica Chimica Acta, 2000, 407, 213-223.	2.6	16
98	Photochemical micro-digestion in a multi-pumping flow system for phosphorus fractionation in cereals. Microchemical Journal, 2013, 109, 139-144.	2.3	16
99	Flow-injection spectrophotometric multidetermination of metallic ions with a single reagent exploiting multicommutation and multidetection. Fresenius' Journal of Analytical Chemistry, 2001, 370, 22-27.	1.5	15
100	Flow systems exploiting in-line prior assays. Talanta, 2004, 64, 1114-1118.	2.9	15
101	A multi-pumping flow system for chemiluminometric determination of ascorbic acid in powdered materials for preparation of fruit juices. Microchemical Journal, 2006, 83, 70-74.	2.3	15
102	Versatile microanalytical system with porous polypropylene capillary membrane for calibration gas generation and trace gaseous pollutants sampling applied to the analysis of formaldehyde, formic acid, acetic acid and ammonia in outdoor air. Talanta, 2010, 83, 84-92.	2.9	15
103	An improved approach for flow-based cloud point extraction. Analytica Chimica Acta, 2014, 820, 69-75.	2.6	15
104	Cloud point extraction in flow-based systems. Reviews in Analytical Chemistry, 2016, 35, 41-52.	1.5	15
105	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
106	A flow-based procedure exploiting the lab-in-syringe approach for the determination of ester content in biodiesel and diesel/biodiesel blends. Talanta, 2017, 174, 556-561.	2.9	14
107	Metal and trace element assessments of bottom sediments from medium TietÃª River basin, Sao Paulo State, Brazil: part II. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 805-818.	0.7	14
108	Ionic Strength Effect on the Rate of Reduction of Hexacyanoferrate(III) by Ascorbic Acid: A Flow Injection Kinetic Experiment. Journal of Chemical Education, 1997, 74, 560.	1.1	13

#	ARTICLE	IF	CITATIONS
109	Influence of Na, K, Ca and Mg on lead atomization by tungsten coil atomic absorption spectrometry. Journal of the Brazilian Chemical Society, 2000, 11, 136-142.	0.6	13
110	An improved procedure for phosphorous fractionation in plant materials exploiting sample preparation and monosegmented flow analysis. Microchemical Journal, 2006, 82, 207-213.	2.3	13
111	A multi-purpose flow manifold for the spectrophotometric determination of sulphide, sulphite and ethanol involving gas diffusion: Application to wine and molasses analysis. Talanta, 2013, 113, 118-122.	2.9	13
112	A multicommuted flow system with liquidâ€“liquid microextraction for determination of anionic surfactants in freshwaters. Analytical Methods, 2013, 5, 2104.	1.3	13
113	Liquidâ€“liquid microextraction in a multicommuted flow system for direct spectrophotometric determination of iodine value in biodiesel. Analytica Chimica Acta, 2014, 829, 28-32.	2.6	13
114	Fluidized particles in flow analysis: potentialities, limitations and applications. Talanta, 2018, 184, 325-331.	2.9	13
115	A Flow System for Spectrophotometric Multideterminationin Water Exploiting Reagent Injection. Journal of the Brazilian Chemical Society, 2002, 13, 642-646.	0.6	13
116	A Low-Cost Device for Automatic Photometric Titrations. Journal of Chemical Education, 2000, 77, 258.	1.1	12
117	A Multicommuted Flowâ€based System for Hydrogen Peroxide Determination by Chemiluminescence Detection Using a Photodiode. Analytical Letters, 2007, 40, 3148-3157.	1.0	12
118	A green flow-based procedure for fluorimetric determination of acid-dissociable cyanide in natural waters exploiting multicommutation. Analytical and Bioanalytical Chemistry, 2008, 391, 2931-2936.	1.9	12
119	A simple and low-cost approach for microdistillation: Application to methanol determination in biodiesel exploiting smartphone-based digital images. Talanta, 2019, 199, 285-289.	2.9	12
120	Precipitation titrations using an automatic titrator based on a multicommutated unsegmented flow system. Analyst, The, 2000, 125, 333-340.	1.7	11
121	An improved flow-based procedure for microdetermination of total tannins in beverages with minimized reagent consumption. Mikrochimica Acta, 2008, 161, 279-283.	2.5	11
122	Fast and environmentally friendly determination of salicylic acid in plant materials by sequential injection chromatography. Analytical Methods, 2016, 8, 6398-6403.	1.3	11
123	Applications of biosorbents in atomic spectrometry. Applied Spectroscopy Reviews, 2016, 51, 36-72.	3.4	11
124	Liquidâ€“liquid microextraction in sequential injection analysis for the direct spectrophotometric determination of acid number in biodiesel. Microchemical Journal, 2016, 124, 55-59.	2.3	11
125	Flow-based food analysis: an overview of recent contributions. Analytical Methods, 2017, 9, 6313-6334.	1.3	11
126	The multiple facets of flow analysis. A tutorial. Analytica Chimica Acta, 2020, 1093, 75-85.	2.6	11

#	ARTICLE	IF	CITATIONS
127	Solventless separation of underivatized biogenic amines by sequential injection chromatography. Microchemical Journal, 2020, 156, 104839.	2.3	11
128	Cloud point extraction and concentration of carbaryl from natural waters. International Journal of Environmental Analytical Chemistry, 2009, 89, 969-979.	1.8	10
129	Immobilization of glucose oxidase enzyme (GOD) in large pore ordered mesoporous cage-like FDU-1 silica. Journal of Molecular Catalysis B: Enzymatic, 2011, 70, 149-153.	1.8	10
130	Flow analysis in Brazil: contributions over the last four decades. Analyst, The, 2014, 139, 3666-3682.	1.7	10
131	On-column preconcentration in sequential injection chromatography: application to determination of parabens. Analytical Methods, 2015, 7, 4371-4375.	1.3	10
132	Spot test exploiting smartphone-based digital images for determination of biodiesel in diesel blends. Microchemical Journal, 2020, 152, 104273.	2.3	10
133	Flow analysis during the 60 years of Talanta. Talanta, 2020, 206, 120185.	2.9	10
134	Single-phase determination of calcium and magnesium in biodiesel using smartphone-based digital images. Fuel, 2022, 307, 121837.	3.4	10
135	Effects of Solution Physical Properties on Copper and Chromium Signals in Flame Atomic Absorption Spectrometry. Journal of Chemical Education, 1996, 73, 982.	1.1	9
136	Exploitation of tandem streams for carry-over compensation in flow analysis. Analytica Chimica Acta, 2001, 438, 3-9.	2.6	9
137	Simultaneous in-line concentration for spectrophotometric determination of cations and anions. Journal of the Brazilian Chemical Society, 2004, 15, 38.	0.6	9
138	Flow-injection systems with multi-site detection. TrAC - Trends in Analytical Chemistry, 2005, 24, 880-886.	5.8	9
139	Sequential injections as an alternative to gradient exploitation for implementing differential kinetic analysis in a flow injection system. Talanta, 2010, 81, 1409-1412.	2.9	9
140	Liquidâ€“liquid microextraction without phase separation in a multicommuted flow system for diltiazem determination in pharmaceuticals. Analytica Chimica Acta, 2011, 694, 95-99.	2.6	9
141	An overview of the Brazilian contributions to Green Analytical Chemistry. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20180294.	0.3	9
142	Multi-energy calibration to circumvent matrix effects in the determination of biodiesel quality parameters by UVâ€“Vis spectrophotometry. Talanta, 2020, 209, 120584.	2.9	9
143	Desenvolvimento de um dispositivo de baixo custo para medidas por quimiluminescÃªncia. Quimica Nova, 2002, 25, 1191-1193.	0.3	9
144	A new approach for compensating concentration gradients in flow analysis. Analytica Chimica Acta, 1996, 331, 17-22.	2.6	8

#	ARTICLE	IF	CITATIONS
145	A Flow-Based Analytical Procedure for Salbutamol Determination Exploiting Chemiluminescence in a Liquid-Core Waveguide. Analytical Letters, 2008, 41, 1579-1591.	1.0	8
146	Contributions of Flow Analysis for Quality Control of Automotive Fuels: A Review. Analytical Letters, 2013, 46, 1621-1639.	1.0	8
147	ConstruÃ§Ã£o de uma cela de fluxo para medidas por espectrofotometria em fase sÃ³lida. Quimica Nova, 2000, 23, 116-118.	0.3	7
148	Um experimento de anÃ¡lise em fluxo envolvendo reaÃ§Ãµes enzimÃ¡ticas e quimiluminescÃªncia. Quimica Nova, 2004, 27, 337-341.	0.3	7
149	Tracer-monitored flow titrations. Analytica Chimica Acta, 2016, 902, 123-128.	2.6	7
150	Fast Spectrophotometric Determination of Iodine Value in Biodiesel and Vegetable Oils. Journal of the Brazilian Chemical Society, 0, , .	0.6	7
151	Solid-phase extractions in flow analysis. Anais Da Academia Brasileira De Ciencias, 2018, 90, 803-824.	0.3	7
152	Large-scale flow analysis: From repetitive assays to expert analyzers. Talanta, 2021, 233, 122479.	2.9	7
153	Flow injection spectrophotometric determination of nitrate in electrolyte of lead-acid batteries. Talanta, 1997, 45, 265-271.	2.9	6
154	Single interface flow analysis with accuracy assessment. Microchemical Journal, 2010, 94, 60-64.	2.3	6
155	A multi-pumping flow system with on-line photochemical conversion and improved sensitivity for phosphorus fractionation in freshwaters. International Journal of Environmental Analytical Chemistry, 2013, 93, 1389-1401.	1.8	6
156	A multi-pumping flow system for acute toxicity bioassay using the Vibrio fischeri bacteria. Analytical Methods, 2014, 6, 7367-7373.	1.3	6
157	Systematic evaluation of sample preparation for fractionation of phytohormone salicylic acid in fresh leaves. Talanta, 2020, 208, 120352.	2.9	6
158	Two-dimensional separation by sequential injection chromatography. Journal of Chromatography A, 2020, 1626, 461365.	1.8	6
159	Flow-based determination of lead exploiting in-syringe dispersive liquid-liquid micro-extraction in xylene and integrated spectrophotometric detection. Talanta, 2022, 247, 123528.	2.9	6
160	A critical evaluation of a flowâ€cell based on a liquid core waveguide for chemiluminescence measurements. Luminescence, 2008, 23, 410-416.	1.5	5
161	Exploitation of a single interface flow system for on-line aqueous biphasic extractionâ˜†. Talanta, 2010, 81, 1847-1851.	2.9	5
162	Rapid estimation of readily leachable triazine residues in soils using automatic kinetic bioaccessibility assays followed by on-line sorptive clean-up as a front-end to liquid chromatography. Talanta, 2016, 156-157, 71-78.	2.9	5

#	ARTICLE	IF	CITATIONS
163	Flow-based solid sample preparation: Advantages, limitations, and challenges. TrAC - Trends in Analytical Chemistry, 2019, 118, 677-685.	5.8	5
164	A new strategy for membraneless gas-liquid separation in flow analysis: Determination of dissolved inorganic carbon in natural waters. Microchemical Journal, 2019, 145, 1218-1223.	2.3	5
165	Green volumetric procedure for determining biodiesel content in diesel blends or mixtures with vegetable oils exploiting solubility differences in an ethanol:water medium. Fuel, 2020, 276, 118042.	3.4	5
166	Flow Injection Analysis in the Undergraduate Laboratory. The Chemical Educator, 1999, 4, 179-182.	0.0	4
167	Sistema de anÃ¡lises em fluxo polivalente para a determinaÃ§Ã£o espectrofotomÃ©trica de fÃ¡rmacos. Quimica Nova, 2011, 34, 1205-1210.	0.3	4
168	A flow injection low-pressure chromatographic system exploiting fused-core columns. Analytical Methods, 2014, 6, 9299-9304.	1.3	4
169	NAA and XRF technique bottom sediment assessment for major and trace elements: TietÃª River, SÃ£o Paulo State, Brazil. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 655-665.	0.7	4
170	Sulphate radical generation through interaction of peroxymonosulphate with Co(II) for in-line sample preparation aiming at spectrophotometric flow-based determination of phosphate and phosphite in fertilizers. Talanta, 2016, 158, 270-275.	2.9	4
171	An automatic titration setup for the chemiluminometric determination of the copper complexation capacity in opaque solutions. Talanta, 2020, 209, 120530.	2.9	4
172	Novel approach for screening milk based on fast and environmentally friendly determination of protein and fat. Journal of Food Composition and Analysis, 2021, 104, 104178.	1.9	4
173	Experimentos didÃ¡ticos utilizando sistema de anÃ¡lise por injeÃ§Ã£o em fluxo. Quimica Nova, 2000, 23, 119-125.	0.3	3
174	ConstruÃ§Ã£o de uma cela de fluxo de longo caminho Ã³ptico para medidas espectrofotomÃ©tricas. Quimica Nova, 2008, 31, 427-429.	0.3	3
175	A multicommuted flow procedure for the determination of total and free cholesterol in eggs and human blood serum by chemiluminescence. Journal of the Brazilian Chemical Society, 2010, 21, 1710-1717.	0.6	3
176	Adsorption of 1-(2-Thiazolylazo)-2-Naphthol on Amberlite XAD-7 and Silica Gel: Isotherms and Kinetic Studies. Journal of the Brazilian Chemical Society, 2014, , .	0.6	3
177	Exploitation of a short monolithic column for inâ€line separation and preconcentration: Environmental friendly determination of the emerging pollutant salicylic acid in natural waters. Journal of Separation Science, 2020, 43, 1232-1239.	1.3	3
178	A spot test for total esters determination in sugarcane spirits exploiting smartphone-based digital images. Analytical Methods, 2020, 12, 3918-3923.	1.3	3
179	A Multi-pumping Flow System for Fast Spectrophotometric Determination of Simvastatin. Current Pharmaceutical Analysis, 2013, 9, 114-120.	0.3	2
180	Flow Analysis: Looking Back and Forward. Journal of the Brazilian Chemical Society, 2018, , .	0.6	2

#	ARTICLE	IF	CITATIONS
181	Innovative prediction of milk microbiological quality from pH measurements by digital imaging photometry. Journal of Food Composition and Analysis, 2022, 114, 104715.	1.9	2
182	ConstruÃ§Ã£o de espectrÃ´metro de emissÃ£o atÃ´mica com atomizaÃ§Ã£o eletrotÃ©rmica em filamento de tungstÃªnio (WCAES). Quimica Nova, 2010, 33, 2266-2271.	0.3	1
183	Spectrophotometry: Overview â˜†. , 2017, , 244-244.		1
184	Exploiting multivariate calibration for compensation of iron interference in the spectrophotometric flow-based catalytic determination of molybdenum. Talanta, 2018, 179, 15-21.	2.9	1
185	Perspective: What constitutes a quality paper in atomic spectrometry. Talanta Open, 2021, 3, 100045.	1.7	1
186	A multicommuted flow system for dissolution studies of Captopril in pharmaceutical preparations. Journal of the Brazilian Chemical Society, 2011, , .	0.6	1
187	QuÃmica analÃtica brasileira durante os 25 anos da SBQ: contexto atual e senso comum. Quimica Nova, 0, 25, 61-65.	0.3	1
188	Can Minerals Be Used as a Tool to Classify Cinnamon Samples?. Proceedings (mdpi), 2020, 70, .	0.2	1
189	Chemical Derivatization in Flow Analysis. Molecules, 2022, 27, 1563.	1.7	1
190	Analytical chemistry in Brazil: healthy and growing. Journal of the Brazilian Chemical Society, 2009, 20, .	0.6	0
191	Chapter 6. Green Analytical Chemistry Through Flow Analysis. RSC Green Chemistry, 2011, , 144-167.	0.0	0
192	Sample Handling. , 2012, , 295-448.		0
193	Interaction of Radiation with the Flowing Sample. , 2012, , 95-146.		0
194	Historical View. , 2012, , 13-43.		0
195	Special Strategies for Flow Manipulation. , 2012, , 243-293.		0
196	A Multi-pumping Flow System for Fast Spectrophotometric Determination of Simvastatin. Current Pharmaceutical Analysis, 2013, 9, 114-120.	0.3	0
197	A Simple and Fast Procedure forin situDetermination of Water in Ethanol Fuel. Journal of the Brazilian Chemical Society, 2013, , .	0.6	0
198	Dual thermostating in flow analysis. Talanta, 2017, 168, 303-306.	2.9	0

#	Article	IF	Citations
199	Gravimetry â˜†. , 2018, , 349-349.		0
200	Flow-Batch Sample Preparation for Fractionation of the Stress Signaling Phytohormone Salicylic Acid in Fresh Leaves. Journal of Analytical Methods in Chemistry, 2020, 2020, 1-8.	0.7	0
201	A NEW DEVICE FOR FLOW-BASED LIQUID-LIQUID EXTRACTIONS. Quimica Nova, 2015, , .	0.3	0
202	Sinais de fundo em anÃ¡lise instrumental: uma discussÃ£o essencial em cursos de graduaÃ§Ã£o. Quimica Nova, 0, , .	0.3	0
203	Flow Analysis: A Powerful Tool for Green Analytical Chemistry. RSC Green Chemistry, 2020, , 154-180.	0.0	0
204	Reply to the â€˜Comment on â€œSlope ratio calibration for analysis of plant leaves by laser-induced breakdown spectroscopyâ€â€™ by Vincenzo Palleschi, JAAS 2020, 35, DOI: C9JA00381A. Journal of Analytical Atomic Spectrometry, 2020, 35, 1484-1485.	1.6	0