Antnio O S S Rangel

List of Publications by Year in Descending Order

181 papers	4,517 citations	33 h-index	58 g-index
186 ext. papers	4,966 ext. citations	5.1 avg, IF	5.63 L-index

#	Paper	IF	Citations
181	New microfluidic paper-based analytical device for iron determination in urine samples. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 7463-7472	4.4	3
180	Simultaneous nitrification and phosphate removal by bioaugmented aerobic granules treating a fluoroorganic compound. *Water Science and Technology*, **2021**, 83, 2404-2413	2.2	
179	Characterization of Oral Prevalence and Resistance Profile in Chronic Kidney Disease Patients Undergoing Peritoneal Dialysis.. *Frontiers in Microbiology*, **2021**, 12, 736685	5.7	0
178	Flow-based method for the determination of biomarkers urea and ammoniacal nitrogen in saliva. *Bioanalysis*, **2020**, 12, 455-465	2.1	1
177	Novel microfluidic paper-based analytical devices (PADs) for the determination of nitrate and nitrite in human saliva. *Talanta*, **2020**, 219, 121183	6.2	20
176	Greener and wide applicability range flow-based spectrophotometric method for iron determination in fresh and marine water. *Talanta*, **2020**, 216, 120925	6.2	5
175	Exploiting flow analysis as a tool for monitoring the leaching process of micronutrients using laboratory scale soil columns (LSSCs). *Analytical Methods*, **2020**, 12, 1131-1138	3.2	1
174	Integrated Flow-based System Displaying an In-line Mini Soil Column to Monitor Iron Species in Soils Leachates. *Communications in Soil Science and Plant Analysis*, **2020**, 51, 1089-1100	1.5	2
173	Use of a Polymer Inclusion Membrane and a Chelating Resin for the Flow-Based Sequential Determination of Copper(II) and Zinc(II) in Natural Waters and Soil Leachates. *Molecules*, **2020**, 25,	4.8	2
172	Membrane-based Separation in Flow Analysis for Environmental and Food Applications. *Separation and Purification Reviews*, **2020**, 49, 37-54	7.3	2
171	Micro-PAD card for measuring total ammonia nitrogen in saliva. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 3167-3176	4.4	2
170	New hydrophilic 3-hydroxy-4-pyridinone chelators with ether-derived substituents: Synthesis and evaluation of analytical performance in the determination of iron in waters. *Polyhedron*, **2019**, 160, 145-156	2.7	7
169	Automated analytical microsystem for the spectrophotometric monitoring of titratable acidity in white, rosé and red wines. *Analytica Chimica Acta*, **2019**, 1091, 50-58	6.6	3
168	A sequential injection fluorimetric methodology with in-line solid phase extraction for biogenic amines screening in water. *International Journal of Environmental Analytical Chemistry*, **2019**, 99, 270-281	1.8	2
167	Effects of soil sterilization and metal spiking in plant growth promoting rhizobacteria selection for phytotechnology purposes. *Geoderma*, **2019**, 334, 72-81	6.7	21
166	Understanding the Role of the Antioxidant System and the Tetrapyrrole Cycle in Iron Deficiency Chlorosis. *Plants*, **2019**, 8,	4.5	18
165	Determination of iron(III) in water samples by microsequential injection solid phase spectrometry using an hexadentate 3-hydroxy-4-pyridinone chelator as reagent. *Talanta*, **2019**, 191, 409-414	6.2	4

164	Sequential injection system with in-line solid phase extraction and soil mini-column for determination of zinc and copper in soil leachates. *Talanta*, **2018**, 185, 316-323	6.2	13
163	Assessment of culturable bacterial endophytic communities colonizing Canna flaccida inhabiting a wastewater treatment constructed wetland. *Ecological Engineering*, **2017**, 98, 418-426	3.9	20
162	Microsequential injection lab-on-valve system for the spectrophotometric bi-parametric determination of iron and copper in natural waters. *Talanta*, **2017**, 167, 703-708	6.2	13
161	A flow-based platform for measuring the acidity parameters in wine. *Talanta*, **2017**, 168, 313-319	6.2	4
160	A solid phase extraction flow injection spectrophotometric method for the zinc determination in plants. *Microchemical Journal*, **2017**, 130, 366-370	4.8	11
159	Exploiting near infrared spectroscopy as an analytical tool for on-line monitoring of acidity during coffee roasting. *Food Control*, **2016**, 60, 408-415	6.2	30
158	A total analytical system featuring a novel solid-liquid extraction chamber for solid sample flow analysis. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 7651-7661	4.4	4
157	Selection of metal resistant plant growth promoting rhizobacteria for the growth and metal accumulation of energy maize in a mine soil Effect of the inoculum size. *Geoderma*, **2016**, 278, 1-11	6.7	23
156	Iron speciation in natural waters by sequential injection analysis with a hexadentate 3-hydroxy-4-pyridinone chelator as chromogenic agent. *Talanta*, **2016**, 148, 633-40	6.2	19
155	Flow-Based System for the Determination of Titratable Acidity in Wines. *Food Analytical Methods*, **2016**, 9, 2241-2245	3.4	6
154	Seasonal monitoring of inland bathing waters using a sequential injection method as a fast and effective tool for nutrient quantification (N : P). *Analytical Methods*, **2016**, 8, 1973-1980	3.2	4
153	Mine land valorization through energy maize production enhanced by the application of plant growth-promoting rhizobacteria and arbuscular mycorrhizal fungi. *Environmental Science and Pollution Research*, **2016**, 23, 6940-50	5.1	39
152	Development of a low pressure chromatographic flow system for monitoring the biodegradation of ofloxacin and ciprofloxacin. *Analytical Methods*, **2016**, 8, 5457-5465	3.2	1
151	Effect of tris(3-hydroxy-4-pyridinonate) iron(III) complexes on iron uptake and storage in soybean (Glycine max L.). *Plant Physiology and Biochemistry*, **2016**, 106, 91-100	5.4	18
150	In-line monitoring of the coffee roasting process with near infrared spectroscopy: Measurement of sucrose and colour. *Food Chemistry*, **2016**, 208, 103-10	8.5	34
149	Determination of Noncovalent Binding Using a Continuous Stirred Tank Reactor as a Flow Injection Device Coupled to Electrospray Ionization Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2015**, 26, 1204-12	3.5	2
148	Constructed wetland with a polyculture of ornamental plants for wastewater treatment at a rural tourism facility. *Ecological Engineering*, **2015**, 79, 1-7	3.9	57
147	Screening of cadmium and lead in potentially contaminated waters using a spectrophotometric sequential injection lab-on-valve methodology. *Talanta*, **2015**, 143, 359-365	6.2	12

146	Synthesis and characterization of a 3-hydroxy-4-pyridinone chelator functionalized with a polyethylene glycol (PEG) chain aimed at sequential injection determination of iron in natural waters. *Polyhedron*, **2015**, 101, 171-178	2.7	10
145	Micro solid phase spectrophotometry in a sequential injection lab-on-valve platform for cadmium, zinc, and copper determination in freshwaters. *Analytica Chimica Acta*, **2015**, 891, 171-8	6.6	29
144	Iodine speciation in coastal and inland bathing waters and seaweeds extracts using a sequential injection standard addition flow-batch method. *Talanta*, **2015**, 133, 7-14	6.2	9
143	Standard addition flow method for potentiometric measurements at low concentration levels: application to the determination of fluoride in food samples. *Talanta*, **2015**, 133, 1-6	6.2	18
142	Iron speciation by microsequential injection solid phase spectrometry using 3-hydroxy-1(H)-2-methyl-4-pyridinone as chromogenic reagent. *Talanta*, **2015**, 133, 15-20	6.2	22
141	Paired-ion electrospray ionization--triple quadrupole tandem mass spectrometry for quantification of anionic surfactants in waters. *Talanta*, **2015**, 143, 320-327	6.2	7
140	Development of a chromatographic low pressure flow injection system using amperometric detection: Application to the analysis of niacin in coffee. *Food Chemistry*, **2015**, 187, 152-8	8.5	17
139	A reagentless flow injection system for the quantification of ethanol in beverages based on the schlieren effect measurement. *Microchemical Journal*, **2015**, 121, 107-111	4.8	19
138	Determination of Caffeine in Coffee Using Low-Pressure Chromatography **2015**, 983-991		2
137	Use of Near-Infrared Spectroscopy for Coffee Beans Quality Assessment **2015**, 933-942		1
136	Removal of fluoxetine and its effects in the performance of an aerobic granular sludge sequential batch reactor. *Journal of Hazardous Materials*, **2015**, 287, 93-101	12.8	44
135	Phytomanagement of Cd-contaminated soils using maize (Zea mays L.) assisted by plant growth-promoting rhizobacteria. *Environmental Science and Pollution Research*, **2014**, 21, 9742-53	5.1	59
134	Performance of aerobic granular sludge in a sequencing batch bioreactor exposed to ofloxacin, norfloxacin and ciprofloxacin. *Water Research*, **2014**, 50, 101-13	12.5	148
133	A flow-injection system coupled to a micro-guard cartridge for monitoring a vinification process. *Analytical Sciences*, **2014**, 30, 1057-62	1.7	1
132	Constructed wetlands for tannery wastewater treatment in Portugal: ten years of experience. *International Journal of Phytoremediation*, **2014**, 16, 859-70	3.9	23
131	Application of Mid- and Near-Infrared Spectroscopy for the Control and Chemical Evaluation of Brine Solutions and Traditional Sea Salts. *Food Analytical Methods*, **2013**, 6, 470-480	3.4	4
130	Sequential injection system for the enzymatic determination of ethanol in alcoholic beverages with in-line dilution. *Food Control*, **2013**, 30, 616-620	6.2	15
129	Sequential injection methodology for carbon speciation in bathing waters. *Analytica Chimica Acta*, **2013**, 778, 38-47	6.6	9

128	Performance of an aerobic granular sequencing batch reactor fed with wastewaters contaminated with Zn2+. *Journal of Environmental Management*, **2013**, 128, 877-82	7.9	9
127	Exploiting the use of 3,4-HPO ligands as nontoxic reagents for the determination of iron in natural waters with a sequential injection approach. *Talanta*, **2013**, 108, 38-45	6.2	25
126	Sequential injection lab-on-valve platform as a miniaturisation tool for solid phase extraction. *Analytical Methods*, **2013**, 5, 585-597	3.2	23
125	Sea Salt. *Comprehensive Analytical Chemistry*, **2013**, 60, 719-740	1.9	6
124	Inoculating Helianthus annuus (sunflower) grown in zinc and cadmium contaminated soils with plant growth promoting bacteria--effects on phytoremediation strategies. *Chemosphere*, **2013**, 92, 74-83	8.4	121
123	Authenticity Control of Roasted Coffee Brands Using Near-Infrared Spectroscopy. *Food Analytical Methods*, **2013**, 6, 892-899	3.4	4
122	Flow-injection spectrophotometric determination of bromate in bottled drinking water samples using chlorpromazine reagent and a liquid waveguide capillary cell. *Analytical Sciences*, **2013**, 29, 563-70	1.7	3
121	Sequential injection system exploring the standard addition method for phosphate determination in high salinity samples: interstitial, transitional and coastal waters. *Analytical Methods*, **2012**, 4, 1452	3.2	8
120	Determination of total protein content in white wines by solid phase spectrometry in a SI-LOV system. *Talanta*, **2012**, 96, 102-6	6.2	12
119	Use of solid phase extraction for the sequential injection determination of alkaline phosphatase activity in dynamic water systems. *Talanta*, **2012**, 98, 203-10	6.2	6
118	Development of a chromatographic low pressure flow injection system: application to the analysis of methylxanthines in coffee. *Analytica Chimica Acta*, **2012**, 715, 57-63	6.6	23
117	Review on recent applications of the liquid waveguide capillary cell in flow based analysis techniques to enhance the sensitivity of spectroscopic detection methods. *Analytica Chimica Acta*, **2012**, 739, 1-13	6.6	45
116	Evaluation of green coffee beans quality using near infrared spectroscopy: a quantitative approach. *Food Chemistry*, **2012**, 135, 1828-35	8.5	53
115	Automated solid-phase spectrophotometric system for optosensing of bromate in drinking waters. *Analytical Methods*, **2012**, 4, 1229	3.2	14
114	Development of a Turbidimetric Sequential Injection System to Monitor the Codfish Desalting Process. *Food Analytical Methods*, **2012**, 5, 287-295	3.4	2
113	Remediation of Heavy Metal Contaminated Soils: An Overview of Site Remediation Techniques. *Critical Reviews in Environmental Science and Technology*, **2011**, 41, 879-914	11.1	43
112	Fourier transform near-infrared spectroscopy application for sea salt quality evaluation. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 11109-16	5.7	14
111	Monitoring sodium chloride during cod fish desalting process by flow injection spectrometry and infrared spectroscopy. *Food Control*, **2011**, 22, 277-282	6.2	12

110	Spectrophotometric determination of zinc and copper in a multi-syringe flow injection analysis system using a liquid waveguide capillary cell: application to natural waters. *Talanta*, **2011**, 84, 1267-72	6.2	12
109	Development of flow injection potentiometric methods for the off-line and on-line determination of fluoride to monitor the biodegradation of a monofluorophenol in two bioreactors. *Talanta*, **2011**, 84, 1291-7	6.2	10
108	Exploiting the bead injection LOV approach to carry out spectrophotometric assays in wine: application to the determination of iron. *Talanta*, **2011**, 84, 1298-303	6.2	18
107	Heavy Metal Accumulation in Plant Species Indigenous to a Contaminated Portuguese Site: Prospects for Phytoremediation. *Water, Air, and Soil Pollution*, **2011**, 221, 377-389	2.6	30
106	Development of a sequential injection gas diffusion system for the determination of ammonium in transitional and coastal waters. *Analytical Methods*, **2011**, 3, 2049	3.2	28
105	Spectrophotometric Determination of Bromate in Water Using Multisyringe Flow Injection Analysis. *Analytical Letters*, **2011**, 44, 284-297	2.2	15
104	Development of a flow method for the determination of phosphate in estuarine and freshwaters--comparison of flow cells in spectrophotometric sequential injection analysis. *Analytica Chimica Acta*, **2011**, 701, 15-22	6.6	29
103	Spectrophotometric sensor system based on a liquid waveguide capillary cell for the determination of titanium: Application to natural waters, sunscreens and a lake sediment. *Sensors and Actuators B: Chemical*, **2011**, 157, 51-56	8.5	17
102	Simultaneous determination of tartaric acid and potassium in wines using a multicommuted flow system with dialysis. *Talanta*, **2010**, 81, 1735-41	6.2	12
101	Sequential injection lab-on-valve system for the determination of the activity of peroxidase in vegetables. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 2071-5	5.7	11
100	Sequential injection kinetic flow assay for monitoring glycerol in a sugar fermentation process by Saccharomyces cerevisiae. *Applied Biochemistry and Biotechnology*, **2010**, 160, 1664-73	3.2	4
99	Assessment of the plant growth promotion abilities of six bacterial isolates using Zea mays as indicator plant. *Soil Biology and Biochemistry*, **2010**, 42, 1229-1235	7.5	203
98	Cell membrane damage induced by phenolic acids on wine lactic acid bacteria. *International Journal of Food Microbiology*, **2009**, 135, 144-51	5.8	161
97	Sequential injection lab-on-valve system for the on-line monitoring of hydrogen peroxide in lens care solutions. *Microchemical Journal*, **2009**, 91, 197-201	4.8	11
96	A multi-syringe flow injection system for the spectrophotometric determination of trace levels of iron in waters using a liquid waveguide capillary cell and different chelating resins and reaction chemistries. *Microchemical Journal*, **2009**, 93, 153-158	4.8	21
95	Arsenic, lead and nickel accumulation in Rubus ulmifolius growing in contaminated soil in Portugal. *Journal of Hazardous Materials*, **2009**, 165, 174-9	12.8	61
94	Substrate effect on bacterial communities from constructed wetlands planted with Typha latifolia treating industrial wastewater. *Ecological Engineering*, **2009**, 35, 744-753	3.9	75
93	Treatment of industrial wastewater with two-stage constructed wetlands planted with Typha latifolia and Phragmites australis. *Bioresource Technology*, **2009**, 100, 3205-13	11	98

92	Changes in the bacterial community structure in two-stage constructed wetlands with different plants for industrial wastewater treatment. *Bioresource Technology*, **2009**, 100, 3228-35	11	105
91	A review on sequential injection methods for water analysis. *Analytica Chimica Acta*, **2009**, 648, 7-22	6.6	79
90	Development of a gas diffusion multicommuted flow injection system for the determination of sulfur dioxide in wines, comparing malachite green and pararosaniline chemistries. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 3415-22	5.7	20
89	Interfacing multisyringe flow injection analysis to flame atomic emission spectrometry: an intelligent system for automatic sample dilution and determination of potassium. *Journal of Analytical Atomic Spectrometry*, **2009**, 24, 340-346	3.7	12
88	Determination of ammonium in marine waters using a gas diffusion multicommuted flow injection system with in-line prevention of metal hydroxides precipitation. *Journal of Environmental Monitoring*, **2009**, 11, 228-34		22
87	Development of a sequential injection system for the determination of and in waters with different salinity: Application to estuaries in NW Portugal. *Analytical Methods*, **2009**, 1, 195-202	3.2	24
86	Remediation of Heavy Metal Contaminated Soils: Phytoremediation as a Potentially Promising Clean-Up Technology. *Critical Reviews in Environmental Science and Technology*, **2009**, 39, 622-654	11.1	338
85	Sequential injection trace determination of iron in natural waters using a long-pathlength liquid core waveguide and different spectrophotometric chemistries. *Limnology and Oceanography: Methods*, **2009**, 7, 795-802	2.6	6
84	Spectrophotometric flow system using vanadomolybdophosphate detection chemistry and a liquid waveguide capillary cell for the determination of phosphate with improved sensitivity in surface and ground water samples. *Talanta*, **2008**, 77, 527-532	6.2	26
83	Sequential injection-LOV format for peak height and kinetic measurement modes in the spectrophotometric enzymatic determination of ethanol: Application to different alcoholic beverages. *Talanta*, **2008**, 77, 494-499	6.2	16
82	Application of manure and compost to contaminated soils and its effect on zinc accumulation by Solanum nigrum inoculated with arbuscular mycorrhizal fungi. *Environmental Pollution*, **2008**, 151, 608-20	8.3	48
81	EDDS and EDTA-enhanced zinc accumulation by Solanum nigrum inoculated with arbuscular mycorrhizal fungi grown in contaminated soil. *Chemosphere*, **2008**, 70, 1002-14	8.4	42
80	Food, Beverages and Agricultural Applications. *Comprehensive Analytical Chemistry*, **2008**, 513-558	1.9	3
79	Direct introduction of slurry samples in multi-syringe flow injection analysis: determination of potassium in plant samples. *Analytical Sciences*, **2008**, 24, 601-6	1.7	3
78	Development of sequential injection methodologies for the spectrophotometric direct and kinetic determination of aluminium in natural and waste waters. *Journal of the Brazilian Chemical Society*, **2008**, 19, 1171-1179	1.5	7
77	The effects of tannery wastewater on the development of different plant species and chromium accumulation in Phragmites australis. *Archives of Environmental Contamination and Toxicology*, **2008** , 55, 404-14	3.2	65
76	Evaluation of different substrates to support the growth of Typha latifolia in constructed wetlands treating tannery wastewater over long-term operation. *Bioresource Technology*, **2008**, 99, 6866-77	11	87
75	A multi-commuted flow injection system with a multi-channel propulsion unit placed before detection: Spectrophotometric determination of ammonium. *Analytica Chimica Acta*, **2007**, 600, 29-34	6.6	32

74	Automatic flow system for sequential determination of ABTS*+ scavenging capacity and Folin-Ciocalteu index: a comparative study in food products. *Analytica Chimica Acta*, **2007**, 592, 193-201	6.6	19
73	Development of a flow injection method for monitoring cell membrane damage of wine lactic acid bacteria. *Mikrochimica Acta*, **2007**, 159, 87-93	5.8	11
72	Sequential Injection Determination of Nitrate in Vegetables by Spectrophotometry with Inline Cadmium Reduction. *Communications in Soil Science and Plant Analysis*, **2007**, 38, 533-544	1.5	8
71	Zinc accumulation in plant species indigenous to a Portuguese polluted site: relation with soil contamination. *Journal of Environmental Quality*, **2007**, 36, 646-53	3.4	13
70	Constructed wetland systems vegetated with different plants applied to the treatment of tannery wastewater. *Water Research*, **2007**, 41, 1790-8	12.5	251
69	Use of tetramethylbenzidine for the spectrophotometric sequential injection determination of free chlorine in waters. *Talanta*, **2007**, 72, 1186-91	6.2	23
68	Solanum nigrum grown in contaminated soil: effect of arbuscular mycorrhizal fungi on zinc accumulation and histolocalisation. *Environmental Pollution*, **2007**, 145, 691-9	9.3	57
67	Automatic method for the determination of Folin-Ciocalteu reducing capacity in food products. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 5241-6	5.7	52
66	Turbidimetric and Nephelometric Flow Analysis: Concepts and Applications. *Spectroscopy Letters*, **2006**, 39, 547-579	1.1	21
65	Sequential injection system for the enzymatic determination of ethanol in wine. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 19-23	5.7	9
64	Zinc accumulation in Solanum nigrum is enhanced by different arbuscular mycorrhizal fungi. *Chemosphere*, **2006**, 65, 1256-63	8.4	57
63	Determination of nitrate and nitrite in dairy samples by sequential injection using an in-line cadmium-reducing column. *International Dairy Journal*, **2006**, 16, 1442-1447	3.5	20
62	Determination of mercury in fish by cold vapor atomic absorption spectrophotometry using a multicommuted flow injection analysis system. *Analytical Sciences*, **2006**, 22, 861-4	1.7	22
61	Multi-pumping flow system for the determination of dissolved orthophosphate and dissolved organic phosphorus in wastewater samples. *Analytica Chimica Acta*, **2006**, 572, 148-54	6.6	26
60	Potentiometric multi-syringe flow injection system for determination of exchangeable potassium in soils with in-line extraction. *Microchemical Journal*, **2006**, 83, 75-80	4.8	10
59	The application of multicommutated flow techniques to the determination of iron. *TrAC - Trends in Analytical Chemistry*, **2006**, 25, 583-588	14.6	19
58	An overview on flow methods for the chemiluminescence determination of phosphorus. *Talanta*, **2005**, 66, 341-7	6.2	26
57	Spectrophotometric determination of iron and boron in soil extracts using a multi-syringe flow injection system. *Talanta*, **2005**, 66, 703-11	6.2	61

56	A new approach for the sequential injection spectrophotometric determination of the total antioxidant activity. *Talanta*, **2005**, 68, 207-13	6.2	28
55	Gas diffusion sequential injection system for the spectrophotometric determination of free chlorine with o-dianisidine. *Talanta*, **2005**, 68, 268-73	6.2	25
54	Determination of ambroxol in an automated multi-pumping pulsed flow system. *Analytical Sciences*, **2005**, 21, 461-4	1.7	7
53	Sample introduction in multi-syringe flow injection systems: comparison between time-based and volume-based strategies. *Analytica Chimica Acta*, **2005**, 537, 207-214	6.6	17
52	A Double-Line Sequential Injection System for the Spectrophotometric Determination of Copper, Iron, Manganese, and Zinc in Waters. *Journal of AOAC INTERNATIONAL*, **2005**, 88, 639-644	1.7	17
51	Use of Flow InjectionMultisite Detection as a Novel Approach for Blank Signal Correction in a Spectrophotometric Determination. *Journal of AOAC INTERNATIONAL*, **2005**, 88, 1511-1515	1.7	1
50	Multi-syringe flow injection system for the determination of available phosphorus in soil samples. *International Journal of Environmental Analytical Chemistry*, **2005**, 85, 51-62	1.8	7
49	A double-line sequential injection system for the spectrophotometric determination of copper, iron, manganese, and zinc in waters. *Journal of AOAC INTERNATIONAL*, **2005**, 88, 639-44	1.7	8
48	Flow-through solid-phase based optical sensor for the multisyringe flow injection trace determination of orthophosphate in waters with chemiluminescence detection. *Analytica Chimica Acta*, **2004**, 506, 17-24	6.6	36
47	Automatic flow systems based on sequential injection analysis for routine determinations in wines. *Analytica Chimica Acta*, **2004**, 513, 3-9	6.6	15
46	Determination of aluminum(III) in crystallized fruit samples using a multicommutated flow system. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 2450-4	5.7	12
45	Enzymatic determination of urea in milk by sequential injection with spectrophotometric and conductometric detection. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 6887-90	5.7	31
44	Sequential injection titration of chloride in milk with potentiometric detection. *Food Control*, **2004**, 15, 609-613	6.2	12
43	A flow system for the spectrophotometric determination of lead in different types of waters using ion-exchange for pre-concentration and elimination of interferences. *Talanta*, **2004**, 62, 395-401	6.2	38
42	Multi-syringe flow injection system with in-line microwave digestion for the determination of phosphorus. *Talanta*, **2004**, 64, 1283-9	6.2	18
41	A sequential injection system for the spectrophotometric determination of calcium, magnesium and alkalinity in water samples. *Analytical Sciences*, **2004**, 20, 1205-10	1.7	21
40	Kinetic determination of l(-)malic acid in wines using sequential injection analysis. *Analytica Chimica Acta*, **2003**, 499, 99-106	6.6	9
39	Use of a single air segment to minimise dispersion and improve mixing in sequential injection: turbidimetric determination of sulphate in waters. *Water Research*, **2003**, 37, 4243-9	12.5	17

38	Use of a mixing chamber for sample preparation and multiple collection in sequential injection analysis: determination of sulfate in wines. *Journal of the Brazilian Chemical Society*, **2003**, 14,	1.5	2
37	A flow system with in-line blank correction applied to the spectrophotometric determination of total iron and chromium (VI) in wastewaters. *Analytical and Bioanalytical Chemistry*, **2002**, 373, 119-22	4.4	4
36	Sequential injection flow system with improved sample throughput: determination of glycerol and ethanol in wines. *Analytica Chimica Acta*, **2002**, 458, 131-138	6.6	37
35	Turbidimetric determination of chloride in different types of water using a single sequential injection analysis system. *Journal of Environmental Monitoring*, **2002**, 4, 458-61		43
34	A gas diffusion sequential injection system for the determination of sulphur dioxide in wines. *Analytica Chimica Acta*, **2001**, 427, 279-286	6.6	47
33	Determination of Sulfate in Natural and Residual Waters by Turbidimetric Flow-Injection Analysis. *Journal of AOAC INTERNATIONAL*, **2001**, 84, 59-64	1.7	8
32	Assay of plant tissues for elemental content by flow injection analysis. *Communications in Soil Science and Plant Analysis*, **2000**, 31, 1071-1109	1.5	2
31	Enzymatic determination of ethanol and glycerol by flow injection parallel multi-site detection. *Analytica Chimica Acta*, **2000**, 416, 205-210	6.6	29
30	Spectrophotometric flow injection determination of total phosphorus in beer using on-line UV/thermal induced digestion. *FreseniusnJournal of Analytical Chemistry*, **2000**, 366, 112-5		14
29	Sequential injection system for the spectrophotometric determination of reducing sugars in wines. *Talanta*, **2000**, 52, 59-66	6.2	20
28	Multisyringe flow system: determination of sulfur dioxide in wines. *Analyst, The*, **2000**, 125, 1501-1505	5	48
27	Enzymatic determination of L(+) lactic and L(-)malic acids in wines by flow-injection spectrophotometry. *Analytica Chimica Acta*, **1998**, 366, 187-191	6.6	19
26	Sequential determination of titratable acidity and tartaric acid in wines by flow injection spectrophotometry. *Analyst, The*, **1998**, 123, 661-664	5	18
25	Flow injection systems for elemental soil analysis determinations. *Communications in Soil Science and Plant Analysis*, **1998**, 29, 327-360	1.5	4
24	DETERMINATION OF TOTAL SULPHUR DIOXIDE IN BEER BY FLOW INJECTION SPECTROPHOTOMETRY USING GAS-DIFFUSION AND THE MERGING ZONES TECHNIQUE. *Journal of the Institute of Brewing*, **1998**, 104, 203-205	2	6
23	Determination of iron in soils by flow injection atomic absorption spectrometry. *Communications in Soil Science and Plant Analysis*, **1998**, 29, 2407-2414	1.5	3
22	Merging Zones Standard Addition Technique for Determination of Copper in Beer by Flow Injection Atomic Absorption Spectrophotometry. *Journal of AOAC INTERNATIONAL*, **1998**, 81, 645-647	1.7	4
21	Flow Injection Determination of Sodium, Potassium, Calcium, and Magnesium in Beer by Flame Emission and Atomic Absorption Spectrometry. *Journal of Agricultural and Food Chemistry*, **1997**, 45, 1269-1272	5.7	9

20	Flow injection system with gas diffusion for the sequential determination of total nitrogen and phosphorus in vegetables. *FreseniusnJournal of Analytical Chemistry*, **1997**, 358, 657-662		5
19	Turbidimetric flow-injection determination of total nitrogen and potassium in vegetables. *Analytica Chimica Acta*, **1997**, 356, 259-265	6.6	7
18	Spectrophotometic flow injection determination of lead in port wine using in-line ion-exchange concentration. *Analyst, The*, **1996**, 121, 1047	5	6
17	Determination of chloride in soils by flow injection potentiometric pseudo-titration. *Communications in Soil Science and Plant Analysis*, **1996**, 27, 1437-1445	1.5	5
16	Simultaneous Determination of Potassium and Sodium in Vegetables by Flame Emission Spectrometry Using a Flow-Injection System with Two Dialysis Units.. *Analytical Sciences*, **1996**, 12, 81-85	1.7	12
15	Flow Injection Sequential Speciation of Free and Total Potassium in Fortified Wines.. *Analytical Sciences*, **1996**, 12, 887-891	1.7	4
14	Potentiometric determination of chloride in vegetables by flow injection analysis. *Communications in Soil Science and Plant Analysis*, **1996**, 27, 37-46	1.5	4
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