

# Antnio O S S Rangel

## List of Publications by Citations

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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.

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	Remediation of Heavy Metal Contaminated Soils: Phytoremediation as a Potentially Promising Clean-Up Technology. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2009</b> , 39, 622-654	11.1	338
180	Constructed wetland systems vegetated with different plants applied to the treatment of tannery wastewater. <i>Water Research</i> , <b>2007</b> , 41, 1790-8	12.5	251
179	Assessment of the plant growth promotion abilities of six bacterial isolates using Zea mays as indicator plant. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1229-1235	7.5	203
178	Cell membrane damage induced by phenolic acids on wine lactic acid bacteria. <i>International Journal of Food Microbiology</i> , <b>2009</b> , 135, 144-51	5.8	161
177	Performance of aerobic granular sludge in a sequencing batch bioreactor exposed to ofloxacin, norfloxacin and ciprofloxacin. <i>Water Research</i> , <b>2014</b> , 50, 101-13	12.5	148
176	Inoculating Helianthus annuus (sunflower) grown in zinc and cadmium contaminated soils with plant growth promoting bacteria--effects on phytoremediation strategies. <i>Chemosphere</i> , <b>2013</b> , 92, 74-83	8.4	121
175	Changes in the bacterial community structure in two-stage constructed wetlands with different plants for industrial wastewater treatment. <i>Bioresource Technology</i> , <b>2009</b> , 100, 3228-35	11	105
174	Treatment of industrial wastewater with two-stage constructed wetlands planted with Typha latifolia and Phragmites australis. <i>Bioresource Technology</i> , <b>2009</b> , 100, 3205-13	11	98
173	Evaluation of different substrates to support the growth of Typha latifolia in constructed wetlands treating tannery wastewater over long-term operation. <i>Bioresource Technology</i> , <b>2008</b> , 99, 6866-77	11	87
172	A review on sequential injection methods for water analysis. <i>Analytica Chimica Acta</i> , <b>2009</b> , 648, 7-22	6.6	79
171	Substrate effect on bacterial communities from constructed wetlands planted with Typha latifolia treating industrial wastewater. <i>Ecological Engineering</i> , <b>2009</b> , 35, 744-753	3.9	75
170	The effects of tannery wastewater on the development of different plant species and chromium accumulation in Phragmites australis. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2008</b> , 55, 404-14	3.2	65
169	Arsenic, lead and nickel accumulation in Rubus ulmifolius growing in contaminated soil in Portugal. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 174-9	12.8	61
168	Spectrophotometric determination of iron and boron in soil extracts using a multi-syringe flow injection system. <i>Talanta</i> , <b>2005</b> , 66, 703-11	6.2	61
167	Phytomanagement of Cd-contaminated soils using maize (Zea mays L.) assisted by plant growth-promoting rhizobacteria. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 9742-53	5.1	59
166	Constructed wetland with a polyculture of ornamental plants for wastewater treatment at a rural tourism facility. <i>Ecological Engineering</i> , <b>2015</b> , 79, 1-7	3.9	57
165	Solanum nigrum grown in contaminated soil: effect of arbuscular mycorrhizal fungi on zinc accumulation and histolocalisation. <i>Environmental Pollution</i> , <b>2007</b> , 145, 691-9	9.3	57

164	Zinc accumulation in <i>Solanum nigrum</i> is enhanced by different arbuscular mycorrhizal fungi. <i>Chemosphere</i> , <b>2006</b> , 65, 1256-63	8.4	57
163	Evaluation of green coffee beans quality using near infrared spectroscopy: a quantitative approach. <i>Food Chemistry</i> , <b>2012</b> , 135, 1828-35	8.5	53
162	Automatic method for the determination of Folin-Ciocalteu reducing capacity in food products. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 5241-6	5.7	52
161	Application of manure and compost to contaminated soils and its effect on zinc accumulation by <i>Solanum nigrum</i> inoculated with arbuscular mycorrhizal fungi. <i>Environmental Pollution</i> , <b>2008</b> , 151, 608-20	8.3	48
160	Multisyringe flow system: determination of sulfur dioxide in wines. <i>Analyst, The</i> , <b>2000</b> , 125, 1501-1505	5	48
159	A gas diffusion sequential injection system for the determination of sulphur dioxide in wines. <i>Analytica Chimica Acta</i> , <b>2001</b> , 427, 279-286	6.6	47
158	Review on recent applications of the liquid waveguide capillary cell in flow based analysis techniques to enhance the sensitivity of spectroscopic detection methods. <i>Analytica Chimica Acta</i> , <b>2012</b> , 739, 1-13	6.6	45
157	Removal of fluoxetine and its effects in the performance of an aerobic granular sludge sequential batch reactor. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 287, 93-101	12.8	44
156	Remediation of Heavy Metal Contaminated Soils: An Overview of Site Remediation Techniques. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2011</b> , 41, 879-914	11.1	43
155	Turbidimetric determination of chloride in different types of water using a single sequential injection analysis system. <i>Journal of Environmental Monitoring</i> , <b>2002</b> , 4, 458-61		43
154	EDDS and EDTA-enhanced zinc accumulation by <i>Solanum nigrum</i> inoculated with arbuscular mycorrhizal fungi grown in contaminated soil. <i>Chemosphere</i> , <b>2008</b> , 70, 1002-14	8.4	42
153	Mine land valorization through energy maize production enhanced by the application of plant growth-promoting rhizobacteria and arbuscular mycorrhizal fungi. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 6940-50	5.1	39
152	A flow system for the spectrophotometric determination of lead in different types of waters using ion-exchange for pre-concentration and elimination of interferences. <i>Talanta</i> , <b>2004</b> , 62, 395-401	6.2	38
151	Sequential injection flow system with improved sample throughput: determination of glycerol and ethanol in wines. <i>Analytica Chimica Acta</i> , <b>2002</b> , 458, 131-138	6.6	37
150	Flow-through solid-phase based optical sensor for the multisyringe flow injection trace determination of orthophosphate in waters with chemiluminescence detection. <i>Analytica Chimica Acta</i> , <b>2004</b> , 506, 17-24	6.6	36
149	In-line monitoring of the coffee roasting process with near infrared spectroscopy: Measurement of sucrose and colour. <i>Food Chemistry</i> , <b>2016</b> , 208, 103-10	8.5	34
148	A multi-commuted flow injection system with a multi-channel propulsion unit placed before detection: Spectrophotometric determination of ammonium. <i>Analytica Chimica Acta</i> , <b>2007</b> , 600, 29-34	6.6	32
147	Enzymatic determination of urea in milk by sequential injection with spectrophotometric and conductometric detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 6887-90	5.7	31

146	Exploiting near infrared spectroscopy as an analytical tool for on-line monitoring of acidity during coffee roasting. <i>Food Control</i> , <b>2016</b> , 60, 408-415	6.2	30
145	Heavy Metal Accumulation in Plant Species Indigenous to a Contaminated Portuguese Site: Prospects for Phytoremediation. <i>Water, Air, and Soil Pollution</i> , <b>2011</b> , 221, 377-389	2.6	30
144	Micro solid phase spectrophotometry in a sequential injection lab-on-valve platform for cadmium, zinc, and copper determination in freshwaters. <i>Analytica Chimica Acta</i> , <b>2015</b> , 891, 171-8	6.6	29
143	Development of a flow method for the determination of phosphate in estuarine and freshwaters--comparison of flow cells in spectrophotometric sequential injection analysis. <i>Analytica Chimica Acta</i> , <b>2011</b> , 701, 15-22	6.6	29
142	Enzymatic determination of ethanol and glycerol by flow injection parallel multi-site detection. <i>Analytica Chimica Acta</i> , <b>2000</b> , 416, 205-210	6.6	29
141	Development of a sequential injection gas diffusion system for the determination of ammonium in transitional and coastal waters. <i>Analytical Methods</i> , <b>2011</b> , 3, 2049	3.2	28
140	A new approach for the sequential injection spectrophotometric determination of the total antioxidant activity. <i>Talanta</i> , <b>2005</b> , 68, 207-13	6.2	28
139	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. <i>Talanta</i> , <b>2008</b> , 77, 527-532	6.2	26
138	An overview on flow methods for the chemiluminescence determination of phosphorus. <i>Talanta</i> , <b>2005</b> , 66, 341-7	6.2	26
137	Multi-pumping flow system for the determination of dissolved orthophosphate and dissolved organic phosphorus in wastewater samples. <i>Analytica Chimica Acta</i> , <b>2006</b> , 572, 148-54	6.6	26
136	Exploiting the use of 3,4-HPO ligands as nontoxic reagents for the determination of iron in natural waters with a sequential injection approach. <i>Talanta</i> , <b>2013</b> , 108, 38-45	6.2	25
135	Gas diffusion sequential injection system for the spectrophotometric determination of free chlorine with o-dianisidine. <i>Talanta</i> , <b>2005</b> , 68, 268-73	6.2	25
134	Development of a sequential injection system for the determination of and in waters with different salinity: Application to estuaries in NW Portugal. <i>Analytical Methods</i> , <b>2009</b> , 1, 195-202	3.2	24
133	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. <i>Geoderma</i> , <b>2016</b> , 278, 1-11	6.7	23
132	Constructed wetlands for tannery wastewater treatment in Portugal: ten years of experience. <i>International Journal of Phytoremediation</i> , <b>2014</b> , 16, 859-70	3.9	23
131	Development of a chromatographic low pressure flow injection system: application to the analysis of methylxanthines in coffee. <i>Analytica Chimica Acta</i> , <b>2012</b> , 715, 57-63	6.6	23
130	Sequential injection lab-on-valve platform as a miniaturisation tool for solid phase extraction. <i>Analytical Methods</i> , <b>2013</b> , 5, 585-597	3.2	23
129	Use of tetramethylbenzidine for the spectrophotometric sequential injection determination of free chlorine in waters. <i>Talanta</i> , <b>2007</b> , 72, 1186-91	6.2	23

128	Iron speciation by microsequential injection solid phase spectrometry using 3-hydroxy-1(H)-2-methyl-4-pyridinone as chromogenic reagent. <i>Talanta</i> , <b>2015</b> , 133, 15-20	6.2	22
127	Determination of ammonium in marine waters using a gas diffusion multicommuted flow injection system with in-line prevention of metal hydroxides precipitation. <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 228-34		22
126	Determination of mercury in fish by cold vapor atomic absorption spectrophotometry using a multicommuted flow injection analysis system. <i>Analytical Sciences</i> , <b>2006</b> , 22, 861-4	1.7	22
125	Effects of soil sterilization and metal spiking in plant growth promoting rhizobacteria selection for phytotechnology purposes. <i>Geoderma</i> , <b>2019</b> , 334, 72-81	6.7	21
124	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. <i>Microchemical Journal</i> , <b>2009</b> , 93, 153-158	4.8	21
123	Turbidimetric and Nephelometric Flow Analysis: Concepts and Applications. <i>Spectroscopy Letters</i> , <b>2006</b> , 39, 547-579	1.1	21
122	A sequential injection system for the spectrophotometric determination of calcium, magnesium and alkalinity in water samples. <i>Analytical Sciences</i> , <b>2004</b> , 20, 1205-10	1.7	21
121	Assessment of culturable bacterial endophytic communities colonizing <i>Canna flaccida</i> inhabiting a wastewater treatment constructed wetland. <i>Ecological Engineering</i> , <b>2017</b> , 98, 418-426	3.9	20
120	Novel microfluidic paper-based analytical devices (PADs) for the determination of nitrate and nitrite in human saliva. <i>Talanta</i> , <b>2020</b> , 219, 121183	6.2	20
119	Development of a gas diffusion multicommuted flow injection system for the determination of sulfur dioxide in wines, comparing malachite green and pararosaniline chemistries. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3415-22	5.7	20
118	Determination of nitrate and nitrite in dairy samples by sequential injection using an in-line cadmium-reducing column. <i>International Dairy Journal</i> , <b>2006</b> , 16, 1442-1447	3.5	20
117	Sequential injection system for the spectrophotometric determination of reducing sugars in wines. <i>Talanta</i> , <b>2000</b> , 52, 59-66	6.2	20
116	Iron speciation in natural waters by sequential injection analysis with a hexadentate 3-hydroxy-4-pyridinone chelator as chromogenic agent. <i>Talanta</i> , <b>2016</b> , 148, 633-40	6.2	19
115	A reagentless flow injection system for the quantification of ethanol in beverages based on the schlieren effect measurement. <i>Microchemical Journal</i> , <b>2015</b> , 121, 107-111	4.8	19
114	Enzymatic determination of L(+) lactic and L(+) malic acids in wines by flow-injection spectrophotometry. <i>Analytica Chimica Acta</i> , <b>1998</b> , 366, 187-191	6.6	19
113	Automatic flow system for sequential determination of ABTS*+ scavenging capacity and Folin-Ciocalteu index: a comparative study in food products. <i>Analytica Chimica Acta</i> , <b>2007</b> , 592, 193-201	6.6	19
112	The application of multicommutated flow techniques to the determination of iron. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 583-588	14.6	19
111	Simultaneous determination of total iron and chromium(VI) in wastewater using a flow injection system based on the sandwich technique. <i>Analyst, The</i> , <b>1989</b> , 114, 1465	5	19

110	Standard addition flow method for potentiometric measurements at low concentration levels: application to the determination of fluoride in food samples. <i>Talanta</i> , <b>2015</b> , 133, 1-6	6.2	18
109	Understanding the Role of the Antioxidant System and the Tetrapyrrole Cycle in Iron Deficiency Chlorosis. <i>Plants</i> , <b>2019</b> , 8,	4.5	18
108	Exploiting the bead injection LOV approach to carry out spectrophotometric assays in wine: application to the determination of iron. <i>Talanta</i> , <b>2011</b> , 84, 1298-303	6.2	18
107	Sequential determination of titratable acidity and tartaric acid in wines by flow injection spectrophotometry. <i>Analyst, The</i> , <b>1998</b> , 123, 661-664	5	18
106	Multi-syringe flow injection system with in-line microwave digestion for the determination of phosphorus. <i>Talanta</i> , <b>2004</b> , 64, 1283-9	6.2	18
105	Effect of tris(3-hydroxy-4-pyridinonate) iron(III) complexes on iron uptake and storage in soybean (Glycine max L.). <i>Plant Physiology and Biochemistry</i> , <b>2016</b> , 106, 91-100	5.4	18
104	Development of a chromatographic low pressure flow injection system using amperometric detection: Application to the analysis of niacin in coffee. <i>Food Chemistry</i> , <b>2015</b> , 187, 152-8	8.5	17
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. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 157, 51-56	8.5	17
102	Use of a single air segment to minimise dispersion and improve mixing in sequential injection: turbidimetric determination of sulphate in waters. <i>Water Research</i> , <b>2003</b> , 37, 4243-9	12.5	17
101	Sample introduction in multi-syringe flow injection systems: comparison between time-based and volume-based strategies. <i>Analytica Chimica Acta</i> , <b>2005</b> , 537, 207-214	6.6	17
100	A Double-Line Sequential Injection System for the Spectrophotometric Determination of Copper, Iron, Manganese, and Zinc in Waters. <i>Journal of AOAC INTERNATIONAL</i> , <b>2005</b> , 88, 639-644	1.7	17
99	Sequential injection-LOV format for peak height and kinetic measurement modes in the spectrophotometric enzymatic determination of ethanol: Application to different alcoholic beverages. <i>Talanta</i> , <b>2008</b> , 77, 494-499	6.2	16
98	Potentiometric determination of total nitrogen in soils by flow injection analysis with a gas-diffusion unit. <i>Soil Research</i> , <b>1996</b> , 34, 503	1.8	16
97	Sequential injection system for the enzymatic determination of ethanol in alcoholic beverages with in-line dilution. <i>Food Control</i> , <b>2013</b> , 30, 616-620	6.2	15
96	Spectrophotometric Determination of Bromate in Water Using Multisyringe Flow Injection Analysis. <i>Analytical Letters</i> , <b>2011</b> , 44, 284-297	2.2	15
95	Automatic flow systems based on sequential injection analysis for routine determinations in wines. <i>Analytica Chimica Acta</i> , <b>2004</b> , 513, 3-9	6.6	15
94	Flow Injection Determination of Nitrate in Vegetables Using a Tubular Potentiometric Detector. <i>Journal of Agricultural and Food Chemistry</i> , <b>1995</b> , 43, 704-707	5.7	15
93	Automated solid-phase spectrophotometric system for optosensing of bromate in drinking waters. <i>Analytical Methods</i> , <b>2012</b> , 4, 1229	3.2	14



92	Fourier transform near-infrared spectroscopy application for sea salt quality evaluation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 11109-16	5.7	14
91	Spectrophotometric flow injection determination of total phosphorus in beer using on-line UV/thermal induced digestion. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2000</b> , 366, 112-5		14
90	Construction and use of a tubular picrate ion-selective electrode for reducing sugar determination in Port wine by flow-injection analysis. <i>Analytica Chimica Acta</i> , <b>1995</b> , 308, 122-128	6.6	14
89	Microsequential injection lab-on-valve system for the spectrophotometric bi-parametric determination of iron and copper in natural waters. <i>Talanta</i> , <b>2017</b> , 167, 703-708	6.2	13
88	Sequential injection system with in-line solid phase extraction and soil mini-column for determination of zinc and copper in soil leachates. <i>Talanta</i> , <b>2018</b> , 185, 316-323	6.2	13
87	Zinc accumulation in plant species indigenous to a Portuguese polluted site: relation with soil contamination. <i>Journal of Environmental Quality</i> , <b>2007</b> , 36, 646-53	3.4	13
86	Screening of cadmium and lead in potentially contaminated waters using a spectrophotometric sequential injection lab-on-valve methodology. <i>Talanta</i> , <b>2015</b> , 143, 359-365	6.2	12
85	Determination of total protein content in white wines by solid phase spectrometry in a SI-LOV system. <i>Talanta</i> , <b>2012</b> , 96, 102-6	6.2	12
84	Monitoring sodium chloride during cod fish desalting process by flow injection spectrometry and infrared spectroscopy. <i>Food Control</i> , <b>2011</b> , 22, 277-282	6.2	12
83	Spectrophotometric determination of zinc and copper in a multi-syringe flow injection analysis system using a liquid waveguide capillary cell: application to natural waters. <i>Talanta</i> , <b>2011</b> , 84, 1267-72	6.2	12
82	Simultaneous determination of tartaric acid and potassium in wines using a multicommutated flow system with dialysis. <i>Talanta</i> , <b>2010</b> , 81, 1735-41	6.2	12
81	Interfacing multisyringe flow injection analysis to flame atomic emission spectrometry: an intelligent system for automatic sample dilution and determination of potassium. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 340-346	3.7	12
80	Determination of aluminum(III) in crystallized fruit samples using a multicommutated flow system. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 2450-4	5.7	12
79	Sequential injection titration of chloride in milk with potentiometric detection. <i>Food Control</i> , <b>2004</b> , 15, 609-613	6.2	12
78	Simultaneous Determination of Potassium and Sodium in Vegetables by Flame Emission Spectrometry Using a Flow-Injection System with Two Dialysis Units.. <i>Analytical Sciences</i> , <b>1996</b> , 12, 81-85 <sup>1.7</sup>		12
77	Flow injection titration of chloride in food products with a silver tubular electrode based on an homogeneous crystalline membrane. <i>Food Chemistry</i> , <b>1994</b> , 50, 423-428	8.5	12
76	A solid phase extraction flow injection spectrophotometric method for the zinc determination in plants. <i>Microchemical Journal</i> , <b>2017</b> , 130, 366-370	4.8	11
75	Sequential injection lab-on-valve system for the determination of the activity of peroxidase in vegetables. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 2071-5	5.7	11

74	Sequential injection lab-on-valve system for the on-line monitoring of hydrogen peroxide in lens care solutions. <i>Microchemical Journal</i> , <b>2009</b> , 91, 197-201	4.8	11
73	Development of a flow injection method for monitoring cell membrane damage of wine lactic acid bacteria. <i>Mikrochimica Acta</i> , <b>2007</b> , 159, 87-93	5.8	11
72	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. <i>Polyhedron</i> , <b>2015</b> , 101, 171-178	2.7	10
71	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. <i>Talanta</i> , <b>2011</b> , 84, 1291-7	6.2	10
70	Potentiometric multi-syringe flow injection system for determination of exchangeable potassium in soils with in-line extraction. <i>Microchemical Journal</i> , <b>2006</b> , 83, 75-80	4.8	10
69	Chloride pseudotitration in wines by FIA with a Ag <sub>2</sub> S/Ag tubular electrode as detector. <i>Journal of Food Composition and Analysis</i> , <b>1989</b> , 2, 356-363	4.1	10
68	Iodine speciation in coastal and inland bathing waters and seaweeds extracts using a sequential injection standard addition flow-batch method. <i>Talanta</i> , <b>2015</b> , 133, 7-14	6.2	9
67	Sequential injection methodology for carbon speciation in bathing waters. <i>Analytica Chimica Acta</i> , <b>2013</b> , 778, 38-47	6.6	9
66	Performance of an aerobic granular sequencing batch reactor fed with wastewaters contaminated with Zn <sup>2+</sup> . <i>Journal of Environmental Management</i> , <b>2013</b> , 128, 877-82	7.9	9
65	Flow Injection Determination of Sodium, Potassium, Calcium, and Magnesium in Beer by Flame Emission and Atomic Absorption Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 1269-1272	5.7	9
64	Sequential injection system for the enzymatic determination of ethanol in wine. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 19-23	5.7	9
63	Kinetic determination of l-malic acid in wines using sequential injection analysis. <i>Analytica Chimica Acta</i> , <b>2003</b> , 499, 99-106	6.6	9
62	Sequential injection system exploring the standard addition method for phosphate determination in high salinity samples: interstitial, transitional and coastal waters. <i>Analytical Methods</i> , <b>2012</b> , 4, 1452	3.2	8
61	Sequential Injection Determination of Nitrate in Vegetables by Spectrophotometry with Inline Cadmium Reduction. <i>Communications in Soil Science and Plant Analysis</i> , <b>2007</b> , 38, 533-544	1.5	8
60	Determination of Sulfate in Natural and Residual Waters by Turbidimetric Flow-Injection Analysis. <i>Journal of AOAC INTERNATIONAL</i> , <b>2001</b> , 84, 59-64	1.7	8
59	Flow injection systems with a stream splitting and a dialysis unit for the soil analysis of sodium and potassium by flame emission spectrometry, and calcium and magnesium by atomic absorption spectrophotometry. <i>Communications in Soil Science and Plant Analysis</i> , <b>1995</b> , 26, 183-195	1.5	8
58	Differential-pulse cathodic stripping voltammetric determination of sodium nitroprusside at a hanging mercury drop electrode aided by copper(II) and poly-L-lysine modification. <i>Analyst, The</i> , <b>1994</b> , 119, 963	5	8
57	A double-line sequential injection system for the spectrophotometric determination of copper, iron, manganese, and zinc in waters. <i>Journal of AOAC INTERNATIONAL</i> , <b>2005</b> , 88, 639-44	1.7	8



56	New hydrophilic 3-hydroxy-4-pyridinone chelators with ether-derived substituents: Synthesis and evaluation of analytical performance in the determination of iron in waters. <i>Polyhedron</i> , <b>2019</b> , 160, 145-156	2.7	7
55	Paired-ion electrospray ionization--triple quadrupole tandem mass spectrometry for quantification of anionic surfactants in waters. <i>Talanta</i> , <b>2015</b> , 143, 320-327	6.2	7
54	Turbidimetric flow-injection determination of total nitrogen and potassium in vegetables. <i>Analytica Chimica Acta</i> , <b>1997</b> , 356, 259-265	6.6	7
53	Development of sequential injection methodologies for the spectrophotometric direct and kinetic determination of aluminium in natural and waste waters. <i>Journal of the Brazilian Chemical Society</i> , <b>2008</b> , 19, 1171-1179	1.5	7
52	Determination of ambroxol in an automated multi-pumping pulsed flow system. <i>Analytical Sciences</i> , <b>2005</b> , 21, 461-4	1.7	7
51	Multi-syringe flow injection system for the determination of available phosphorus in soil samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2005</b> , 85, 51-62	1.8	7
50	Flow-Based System for the Determination of Titratable Acidity in Wines. <i>Food Analytical Methods</i> , <b>2016</b> , 9, 2241-2245	3.4	6
49	Use of solid phase extraction for the sequential injection determination of alkaline phosphatase activity in dynamic water systems. <i>Talanta</i> , <b>2012</b> , 98, 203-10	6.2	6
48	Sea Salt. <i>Comprehensive Analytical Chemistry</i> , <b>2013</b> , 60, 719-740	1.9	6
47	Sequential injection trace determination of iron in natural waters using a long-pathlength liquid core waveguide and different spectrophotometric chemistries. <i>Limnology and Oceanography: Methods</i> , <b>2009</b> , 7, 795-802	2.6	6
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