

# M C Arajo

## List of Publications by Year in Descending Order

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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.

205  
papers

5,812  
citations

39  
h-index

67  
g-index

226  
ext. papers

6,523  
ext. citations

4.6  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
205	A video processing and machine vision-based automatic analyzer to determine sequentially total suspended and settleable solids in wastewater.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1206, 339411	6.6	0
204	Fast automated method for the direct determination of total antimony in grape juice samples by hydride generation and atomic fluorescence spectrometric detection without external pretreatment.. <i>Food Chemistry</i> , <b>2022</b> , 381, 132194	8.5	1
203	Variable selection in the chemometric treatment of food data: A tutorial review. <i>Food Chemistry</i> , <b>2022</b> , 370, 131072	8.5	3
202	Feasibility study on quantification and authentication of the cassava starch content in wheat flour for bread-making using NIR spectroscopy and digital images. <i>Food Chemistry</i> , <b>2022</b> , 368, 130843	8.5	3
201	Studies of the liposolubility and the ecotoxicity of MC-LR degradation by-products using computational molecular modeling and in-vivo tests with <i>Chlorella vulgaris</i> and <i>Daphnia magna</i> .. <i>Aquatic Toxicology</i> , <b>2022</b> , 245, 106127	5.1	0
200	An eco-friendly analytical methodology based on digital images for quality control of commercial <i>Mikania glomerata</i> syrups. <i>Microchemical Journal</i> , <b>2022</b> , 178, 107338	4.8	0
199	Goat milk authentication by one-class classification of digital image-based fingerprint signatures: Detection of adulteration with cow milk. <i>Microchemical Journal</i> , <b>2022</b> , 180, 107640	4.8	0
198	Ultrasonic-assisted extraction and automated determination of catalase and lipase activities in bovine and poultry livers using a digital movie-based flow-batch analyzer. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 79, 105774	8.9	0
197	Video-based fractional order identification of diffusion dynamics for the analysis of migration rates of polar and nonpolar liquids: Water and oil studies. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 035106	1.7	1
196	In-situ authentication of goat milk in terms of its adulteration with cow milk using a low-cost portable NIR spectrophotometer. <i>Microchemical Journal</i> , <b>2021</b> , 163, 105885	4.8	11
195	Scores selection via Fisher's discriminant power in PCA-LDA to improve the classification of food data. <i>Food Chemistry</i> , <b>2021</b> , 363, 130296	8.5	5
194	A fast, low-cost, sensitive, selective, and non-laborious method based on functionalized magnetic nanoparticles, magnetic solid-phase extraction, and fluorescent carbon dots for the fluorimetric determination of copper in wines without prior sample treatment. <i>Food Chemistry</i> , <b>2021</b> , 363, 130248	8.5	3
193	A cheap handheld NIR spectrometric system for automatic determination of methane, ethane, and propane in natural gas and biogas. <i>Microchemical Journal</i> , <b>2021</b> , 170, 106752	4.8	3
192	Honey authentication in terms of its adulteration with sugar syrups using UV-Vis spectroscopy and one-class classifiers. <i>Food Chemistry</i> , <b>2021</b> , 365, 130467	8.5	3
191	Simultaneous determination of methyl, ethyl, propyl, and butyl parabens in sweetener samples without any previous pretreatment using square wave voltammetry and multiway calibration. <i>Food Chemistry</i> , <b>2021</b> , 365, 130472	8.5	3
190	Non-destructive authentication of Gourmet ground roasted coffees using NIR spectroscopy and digital images. <i>Food Chemistry</i> , <b>2021</b> , 364, 130452	8.5	10
189	Simultaneous determination of goat milk adulteration with cow milk and their fat and protein contents using NIR spectroscopy and PLS algorithms. <i>LWT - Food Science and Technology</i> , <b>2020</b> , 127, 109427	5.4	31

188	VALIDAÇÃO DE MÉTODO ESPECTROFOTOMÉTRICO PARA DETERMINAÇÃO DO TEOR DE H <sub>2</sub> O <sub>2</sub> EM CUA DE ABASTECIMENTO PÚBLICO. <i>Brazilian Journal of Development</i> , <b>2020</b> , 6, 61828-61836	0	
187	Qualitative and quantitative analysis based on digital images to determine the adulteration of ketchup samples with Sudan I dye. <i>Food Chemistry</i> , <b>2020</b> , 328, 127101	8.5	22
186	A new flow UV-vis kinetics spectrophotometric method based on a photodegradative reaction for determining the oxidative stability of biodiesel. <i>Fuel</i> , <b>2020</b> , 262, 116197	7.1	4
185	A digital capture movie-based robotized Flow-batch luminometer for in-line magnetic nanoparticle solid phase extraction and chemiluminescent measurement. <i>Microchemical Journal</i> , <b>2020</b> , 153, 104387	4.8	7
184	Determination of N, N-diethyl-3-methylbenzamide and ethyl-butyl-acetylaminopropionate in insect repellent using near infrared spectroscopy and multivariate calibration. <i>Microchemical Journal</i> , <b>2020</b> , 152, 104285	4.8	2
183	Chromatographic quantification of seven pesticide residues in vegetable: Univariate and multiway calibration comparison. <i>Microchemical Journal</i> , <b>2020</b> , 152, 104301	4.8	6
182	Digital image-based tracing of geographic origin, winemaker, and grape type for red wine authentication. <i>Food Chemistry</i> , <b>2020</b> , 312, 126060	8.5	10
181	Linear Regression Modeling: Variable Selection <b>2020</b> , 249-293		2
180	A new highly selective colorimetric Schiff base chemosensor for determining the copper content in artisanal cachaças. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 243, 118783	4.4	3
179	Ant colony optimization for variable selection in discriminant linear analysis. <i>Journal of Chemometrics</i> , <b>2020</b> , 34, e3292	1.6	0
178	A fast and sensitive flow-batch method with hydride generating and atomic fluorescence spectrometric detection for automated inorganic antimony speciation in waters. <i>Talanta</i> , <b>2020</b> , 207, 119834	6.2	6
177	Chemometrics-assisted color histogram-based analytical systems. <i>Journal of Chemometrics</i> , <b>2020</b> , 34, e3242	1.6	9
176	Synthesis of highly fluorescent carbon dots from lemon and onion juices for determination of riboflavin in multivitamin/mineral supplements. <i>Journal of Pharmaceutical Analysis</i> , <b>2019</b> , 9, 209-216	14	45
175	Quantification and identification of adulteration in the fat content of chicken hamburgers using digital images and chemometric tools. <i>LWT - Food Science and Technology</i> , <b>2019</b> , 100, 20-27	5.4	18
174	Simultaneous identification of the wood types in aged cachaças and their adulterations with wood extracts using digital images and SPA-LDA. <i>Food Chemistry</i> , <b>2019</b> , 273, 77-84	8.5	20
173	Development and validation of a HPLC method to quantify DEET and IR3535 in insect repellents. <i>Analytical Methods</i> , <b>2018</b> , 10, 1911-1917	3.2	4
172	Macroemulsion-based dispersive magnetic solid phase extraction for preconcentration and determination of copper(II) in gasoline. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 99	5.8	8
171	Emitter/receiver piezoelectric films coupled to flow-batch analyzer for acoustic determination of free glycerol in biodiesel without chemicals/external pretreatment. <i>Microchemical Journal</i> , <b>2018</b> , 138, 296-302	4.8	10

170	Voltammetric determination of tartaric acid in wines by electrocatalytic oxidation on a cobalt(II)-phthalocyanine-modified electrode associated with multiway calibration. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1008, 29-37	6.6	14
169	Vis-NIR spectrometric determination of Brix and sucrose in sugar production samples using kernel partial least squares with interval selection based on the successive projections algorithm. <i>Talanta</i> , <b>2018</b> , 181, 38-43	6.2	15
168	A robotic magnetic nanoparticle solid phase extraction system coupled to flow-batch analyzer and GFAAS for determination of trace cadmium in edible oils without external pretreatment. <i>Talanta</i> , <b>2018</b> , 178, 384-391	6.2	40
167	Determination of fat content in chicken hamburgers using NIR spectroscopy and the Successive Projections Algorithm for interval selection in PLS regression (iSPA-PLS). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 189, 300-306	4.4	36
166	Simultaneous voltammetric determination of four organic acids in fruit juices using multiway calibration. <i>Food Chemistry</i> , <b>2018</b> , 266, 232-239	8.5	17
165	Differentiation of cumin seeds using a metal-oxide based gas sensor array in tandem with chemometric tools. <i>Talanta</i> , <b>2018</b> , 176, 221-226	6.2	17
164	Boron-doped diamond electrode acting as a voltammetric sensor for the detection of methomyl pesticide. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 789, 100-107	4.1	39
163	Screening analysis of garlic-oil capsules by infrared spectroscopy and chemometrics. <i>Microchemical Journal</i> , <b>2017</b> , 133, 480-484	4.8	7
162	Adsorptive Stripping Voltammetric Determination of Trace Level Ricin in Castor Seeds Using a Boron-doped Diamond Electrode. <i>Electroanalysis</i> , <b>2017</b> , 29, 1783-1793	3	6
161	Accurate automatic titration procedure for low sharpness and dichroism in end point detection using digital movies as detection technique. <i>Microchemical Journal</i> , <b>2017</b> , 133, 593-599	4.8	13
160	Fluorescent fingerprints of edible oils and biodiesel by means total synchronous fluorescence and Tucker3 modeling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 175, 185-190	4.4	6
159	An inexpensive NIR LED Webcam photometer for detection of adulterations in hydrated ethyl alcohol fuel. <i>Microchemical Journal</i> , <b>2017</b> , 135, 148-152	4.8	17
158	Automated Single-Phase Liquid-Liquid Extraction for Determination of Cr(VI) Using Graphite Furnace Atomic Absorption Spectrophotometry without Wet Digestion of Samples. <i>Food Analytical Methods</i> , <b>2017</b> , 10, 921-930	3.4	4
157	Fast Determination of Biodiesel Content in Commercial Diesel/Biodiesel Blends by Using Digital Images and Multivariate Calibration. <i>Analytical Sciences</i> , <b>2017</b> , 33, 1285-1289	1.7	4
156	A chemometric cleanup using multivariate curve resolution in liquid chromatography: Quantification of pesticide residues in vegetables. <i>Microchemical Journal</i> , <b>2017</b> , 134, 131-139	4.8	13
155	Using UV-Vis spectroscopy for simultaneous geographical and varietal classification of tea infusions simulating a home-made tea cup. <i>Food Chemistry</i> , <b>2016</b> , 192, 374-9	8.5	58
154	Two-dimensional linear discriminant analysis for classification of three-way chemical data. <i>Analytica Chimica Acta</i> , <b>2016</b> , 938, 53-62	6.6	18
153	Classification of individual cotton seeds with respect to variety using near-infrared hyperspectral imaging. <i>Analytical Methods</i> , <b>2016</b> , 8, 8498-8505	3.2	18

152	The successive projections algorithm for interval selection in partial least squares discriminant analysis. <i>Analytical Methods</i> , <b>2016</b> , 8, 7522-7530	3.2	6
151	Second-order capillary electrophoresis diode array detector data modeled with the Tucker3 algorithm: A novel strategy for Argentinean white wine discrimination respect to grape variety. <i>Electrophoresis</i> , <b>2016</b> , 37, 1902-8	3.6	9
150	Highly sensitive quantitation of pesticides in fruit juice samples by modeling four-way data gathered with high-performance liquid chromatography with fluorescence excitation-emission detection. <i>Talanta</i> , <b>2016</b> , 154, 208-18	6.2	27
149	Handling time misalignment and rank deficiency in liquid chromatography by multivariate curve resolution: Quantitation of five biogenic amines in fish. <i>Analytica Chimica Acta</i> , <b>2016</b> , 902, 59-69	6.6	27
148	Determination of tryptamine in foods using square wave adsorptive stripping voltammetry. <i>Talanta</i> , <b>2016</b> , 154, 134-40	6.2	15
147	Identification of biodiesel feedstock in biodiesel/diesel blends using digital images and chemometric methods. <i>Analytical Methods</i> , <b>2016</b> , 8, 4949-4954	3.2	8
146	A digital image-based traceability tool of the geographical origins of Argentine propolis. <i>Microchemical Journal</i> , <b>2016</b> , 128, 62-67	4.8	17
145	Digital image-based classification of biodiesel. <i>Talanta</i> , <b>2015</b> , 139, 50-5	6.2	35
144	Determination of triclocarban by direct and adsorptive stripping voltammetric methods on a glassy carbon electrode. <i>Analytical Methods</i> , <b>2015</b> , 7, 3268-3276	3.2	5
143	Identification of adulteration in ground roasted coffees using UV-Vis spectroscopy and SPA-LDA. <i>LWT - Food Science and Technology</i> , <b>2015</b> , 63, 1037-1041	5.4	50
142	Modeling excitation-emission fluorescence matrices with pattern recognition algorithms for classification of Argentine white wines according grape variety. <i>Food Chemistry</i> , <b>2015</b> , 184, 214-9	8.5	61
141	In-line single-phase extraction for direct determination of total iron in oils using CdTe quantum dots and a flow-batch system. <i>Analytical Methods</i> , <b>2015</b> , 7, 7707-7714	3.2	6
140	Unfolded partial least squares/residual bilinearization combined with the Successive Projections Algorithm for interval selection: enhanced excitation-emission fluorescence data modeling in the presence of the inner filter effect. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 5649-59	4.4	5
139	Calibration transfer employing univariate correction and robust regression. <i>Analytica Chimica Acta</i> , <b>2015</b> , 864, 1-8	6.6	17
138	Screening for Coffee Adulteration Using Digital Images and SPA-LDA. <i>Food Analytical Methods</i> , <b>2015</b> , 8, 1515-1521	3.4	24
137	An automatic system for accurate preparation of gas mixtures. <i>Microchemical Journal</i> , <b>2015</b> , 119, 123-127.	4.8	3
136	Modeling nonbilinear total synchronous fluorescence data matrices with a novel adapted partial least squares method. <i>Analytica Chimica Acta</i> , <b>2015</b> , 859, 20-8	6.6	5
135	Using iSPA-PLS and NIR spectroscopy for the determination of total polyphenols and moisture in commercial tea samples. <i>Analytical Methods</i> , <b>2015</b> , 7, 3379-3384	3.2	22

134	Simplified tea classification based on a reduced chemical composition profile via successive projections algorithm linear discriminant analysis (SPA-LDA). <i>Journal of Food Composition and Analysis</i> , <b>2015</b> , 39, 103-110	4.1	38
133	Binary classification of chalcone derivatives with LDA or KNN based on their antileishmanial activity and molecular descriptors selected using the Successive Projections Algorithm feature-selection technique. <i>European Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 51, 189-95	5.1	19
132	Determination of sodium and calcium in powder milk using digital image-based flame emission spectrometry. <i>Analytical Methods</i> , <b>2014</b> , 6, 1044-1050	3.2	17
131	Simultaneous Classification of Teas According to Their Varieties and Geographical Origins by Using NIR Spectroscopy and SPA-LDA. <i>Food Analytical Methods</i> , <b>2014</b> , 7, 1712	3.4	46
130	Screening analysis of natural gas with respect to methane content by near-infrared spectrometry. <i>Microchemical Journal</i> , <b>2014</b> , 114, 210-215	4.8	11
129	Using color histograms and SPA-LDA to classify bacteria. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 5989-95	4.4	17
128	A Micro-Flow-Batch Analyzer Using an In-line Cadmium Sponge Microcolumn for the Photometric Determination of Nitrate and Nitrite in Dairy Samples. <i>Food Analytical Methods</i> , <b>2014</b> , 7, 1925-1931	3.4	3
127	Geographical origin classification of Argentinean honeys using a digital image-based flow-batch system. <i>Microchemical Journal</i> , <b>2014</b> , 112, 104-108	4.8	26
126	Electrochemical oxidation and electroanalytical determination of xylitol at a boron-doped diamond electrode. <i>Talanta</i> , <b>2014</b> , 119, 509-16	6.2	17
125	The Successive Projections Algorithm for interval selection in trilinear partial least-squares with residual bilinearization. <i>Analytica Chimica Acta</i> , <b>2014</b> , 811, 13-22	6.6	11
124	Automatic Flow-Batch Approach Using CdTe Quantum Dots for Fluorescent Determination of Ascorbic Acid in Fruit Juices. <i>Food Analytical Methods</i> , <b>2014</b> , 7, 1598-1603	3.4	8
123	Prediction of mechanical properties of poly(ethylene terephthalate) using infrared spectroscopy and multivariate calibration. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3441-3446	2.9	5
122	Multivariate analysis of the dielectric response of materials modeled using networks of resistors and capacitors. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2013</b> , 20, 995-1008	2.3	9
121	A flow-batch analyzer using a low cost aquarium pump for classification of citrus juice with respect to brand. <i>Talanta</i> , <b>2013</b> , 107, 45-8	6.2	5
120	A digital image-based flow-batch analyzer for determining Al(III) and Cr(VI) in water. <i>Microchemical Journal</i> , <b>2013</b> , 109, 106-111	4.8	35
119	A flowBatch luminometer. <i>Microchemical Journal</i> , <b>2013</b> , 108, 151-155	4.8	9
118	An ultrasonic-accelerated oxidation method for determining the oxidative stability of biodiesel. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 820-5	8.9	18
117	The successive projections algorithm. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 42, 84-98	14.6	138



116	Using a flow-batch analyzer for photometric determination of Fe(III) in edible and lubricating oils without external pretreatment. <i>Analytical Methods</i> , <b>2013</b> , 5, 1040-1045	3.2	7
115	Eco-friendly sonoluminescent determination of free glycerol in biodiesel samples. <i>Talanta</i> , <b>2013</b> , 114, 38-42	6.2	13
114	The successive projections algorithm for interval selection in PLS. <i>Microchemical Journal</i> , <b>2013</b> , 110, 202-208	4.8	55
113	An automatic flow system for NIR screening analysis of liquefied petroleum gas with respect to propane content. <i>Talanta</i> , <b>2013</b> , 106, 158-62	6.2	3
112	Electrochemical study of ricin at glassy carbon electrode. <i>Analyst, The</i> , <b>2013</b> , 138, 4565-73	5	7
111	A digital image-based micro-flow-batch analyzer. <i>Microchemical Journal</i> , <b>2013</b> , 106, 238-243	4.8	32
110	UV-Vis Spectrometric Detection of Biodiesel/Diesel Blend Adulterations with Soybean Oil. <i>Journal of the Brazilian Chemical Society</i> , <b>2013</b> ,	1.5	2
109	Flow injection photometric determination of NaCl, KCl and glucose in injectable drugs exploiting Schlieren signals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 62, 172-6	3.5	2
108	Flow-batch analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 35, 39-49	14.6	75
107	A graphical user interface for variable selection employing the Successive Projections Algorithm. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2012</b> , 118, 260-266	3.8	31
106	Screening analysis of seston from a domestic wastewater treatment plant using digital images. <i>Analytical Methods</i> , <b>2012</b> , 4, 2375	3.2	1
105	Quantitative spot test analysis of soluble tannin in green tea using a portable diffuse reflectometer. <i>Analytical Methods</i> , <b>2012</b> , 4, 2329	3.2	1
104	Automatized flow-batch method for fluorescent determination of free glycerol in biodiesel samples using on-line extraction. <i>Talanta</i> , <b>2012</b> , 89, 21-6	6.2	31
103	Turbidimetric and photometric determination of total tannins in tea using a micro-flow-batch analyzer. <i>Talanta</i> , <b>2012</b> , 88, 717-23	6.2	16
102	Screening analysis of beer ageing using near infrared spectroscopy and the Successive Projections Algorithm for variable selection. <i>Talanta</i> , <b>2012</b> , 89, 286-91	6.2	47
101	Near-infrared spectrometric determination of dipyrone in closed ampoules. <i>Talanta</i> , <b>2012</b> , 92, 84-6	6.2	16
100	A monosegmented flow-batch system for slow reaction kinetics: spectrophotometric determination of boron in plants. <i>Talanta</i> , <b>2012</b> , 94, 111-5	6.2	10
99	Screening analysis of biodiesel feedstock using UV-vis, NIR and synchronous fluorescence spectrometries and the successive projections algorithm. <i>Talanta</i> , <b>2012</b> , 97, 579-83	6.2	27

98	Photometric determination of phosphorus in mineralized biodiesel using a micro-flow-batch analyzer with solenoid micro-pumps. <i>Talanta</i> , <b>2012</b> , 98, 118-22	6.2	15
97	Microcystin-LR and chemically degraded microcystin-LR electrochemical oxidation. <i>Analyst, The</i> , <b>2012</b> , 137, 1904-12	5	17
96	Automatic microemulsion preparation for metals determination in fuel samples using a flow-batch analyzer and graphite furnace atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2012</b> , 727, 34-40	6.6	20
95	A micro-flow-batch analyzer with solenoid micro-pumps for the photometric determination of iodate in table salt. <i>Talanta</i> , <b>2012</b> , 100, 308-12	6.2	15
94	Using a simple digital camera and SPA-LDA modeling to screen teas. <i>Analytical Methods</i> , <b>2012</b> , 4, 2648	3.2	38
93	Sorbic Acid and Its Degradation Products: Electrochemical Characterization. <i>Analytical Letters</i> , <b>2012</b> , 45, 408-417	2.2	5
92	Internal and External Validation in SPA-LDA: A Comparative Study Involving Diesel/Biodiesel Blends. <i>NIR News</i> , <b>2012</b> , 23, 6-8	0.8	2
91	Flow-Batch Analyzer for the Chemiluminescence Determination of Catecholamines in Pharmaceutical Preparations. <i>Analytical Letters</i> , <b>2011</b> , 44, 67-81	2.2	20
90	Electroanalytical determination of carbendazim by square wave adsorptive stripping voltammetry with a multiwalled carbon nanotubes modified electrode. <i>Analytical Methods</i> , <b>2011</b> , 3, 1202	3.2	47
89	A digital image-based method for determining of total acidity in red wines using acid-base titration without indicator. <i>Talanta</i> , <b>2011</b> , 84, 601-6	6.2	49
88	Flow-batch miniaturization. <i>Talanta</i> , <b>2011</b> , 86, 208-13	6.2	21
87	Influence of wavelet transform settings on NIR and MIR spectrometric analyses of diesel, gasoline, corn and wheat. <i>Journal of the Brazilian Chemical Society</i> , <b>2011</b> ,	1.5	2
86	Um sistema microcontrolado para o monitoramento on-line, in situ e remoto de pH, condutividade e temperatura de águas. <i>Quimica Nova</i> , <b>2011</b> , 34, 135-139	1.6	4
85	A flow-batch analyzer for UV-Vis spectrophotometric detection of adulteration in distilled spirits. <i>Journal of the Brazilian Chemical Society</i> , <b>2011</b> , 22, 1061-1067	1.5	18
84	Thermogravimetric determination of l-ascorbic acid in non-effervescent formulations using multiple linear regression with temperature selection by the successive projections algorithm. <i>Thermochimica Acta</i> , <b>2011</b> , 526, 200-204	2.9	12
83	Redox Mechanisms of Nodularin and Chemically Degraded Nodularin. <i>Electroanalysis</i> , <b>2011</b> , 23, 2310-2319	3.9	5
82	Indirect determination of sodium diclofenac, sodium dipyron and calcium gluconate in injection drugs using digital image-based (webcam) flame emission spectrometric method. <i>Analytical Methods</i> , <b>2011</b> , 3, 1975	3.2	25
81	A modification of the successive projections algorithm for spectral variable selection in the presence of unknown interferents. <i>Analytica Chimica Acta</i> , <b>2011</b> , 689, 22-8	6.6	23



80	Effect of the subsampling ratio in the application of subbagging for multivariate calibration with the successive projections algorithm. <i>Journal of the Brazilian Chemical Society</i> , <b>2011</b> , 22, 2225-2233	1.5	7
79	Improving the computational efficiency of the successive projections algorithm by using a sequential regression implementation: a case study involving nir spectrometric analysis of wheat samples. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 760-763	1.5	7
78	Multi-core computation in chemometrics: case studies of voltammetric and NIR spectrometric analyses. <i>Journal of the Brazilian Chemical Society</i> , <b>2010</b> , 21, 1626-1634	1.5	13
77	Classifica <sup>o</sup> e per <sup>o</sup> na: um exemplo did <sup>o</sup> para ensinar an <sup>o</sup> lise de componentes principais. <i>Quimica Nova</i> , <b>2010</b> , 33, 1594-1597	1.6	19
76	Automatic determination of chlorine without standard solutions using a biampereometric flow-batch analysis system. <i>Talanta</i> , <b>2010</b> , 81, 609-13	6.2	15
75	Kinetics independent spectrometric analysis using non-linear calibration modelling and exploitation of concentration gradients generated by a flow-batch system for albumin and total protein determination in blood serum. <i>Talanta</i> , <b>2010</b> , 82, 1027-32	6.2	10
74	Simultaneous determination of hydroquinone, resorcinol, phenol, m-cresol and p-cresol in untreated air samples using spectrofluorimetry and a custom multiple linear regression-successive projection algorithm. <i>Talanta</i> , <b>2010</b> , 83, 320-3	6.2	30
73	An <sup>o</sup> lise screening de vinhos empregando um analisador fluxo-batelada, espectroscopia UV-VIS e quimiometria. <i>Quimica Nova</i> , <b>2010</b> , 33, 351-357	1.6	6
72	A microfluidic device with integrated fluorimetric detection for flow injection analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 715-23	4.4	22
71	UV-Vis spectrometric classification of coffees by SPA-PLS-DA. <i>Food Chemistry</i> , <b>2010</b> , 119, 368-371	8.5	69
70	Ensemble wavelet modelling for determination of wheat and gasoline properties by near and middle infrared spectroscopy. <i>Analytica Chimica Acta</i> , <b>2010</b> , 682, 37-47	6.6	19
69	Classification of Brazilian soils by using LIBS and variable selection in the wavelet domain. <i>Analytica Chimica Acta</i> , <b>2009</b> , 642, 12-8	6.6	96
68	Digital image-based flame emission spectrometry. <i>Talanta</i> , <b>2009</b> , 77, 1584-9	6.2	55
67	Classification of edible vegetable oils using square wave voltammetry with multivariate data analysis. <i>Talanta</i> , <b>2009</b> , 77, 1660-6	6.2	42
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65	QSPR modeling of soil sorption coefficients (K(OC)) of pesticides using SPA-ANN and SPA-MLR. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 7153-8	5.7	46
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62	An inexpensive, portable and microcontrolled near infrared LED-photometer for screening analysis of gasoline. <i>Talanta</i> , <b>2008</b> , 75, 792-6	6.2	29
61	Flow-batch technique for the simultaneous enzymatic determination of levodopa and carbidopa in pharmaceuticals using PLS and successive projections algorithm. <i>Talanta</i> , <b>2008</b> , 75, 950-8	6.2	41
60	NIR spectrometric determination of quality parameters in vegetable oils using iPLS and variable selection. <i>Food Research International</i> , <b>2008</b> , 41, 341-348	7	97
59	Determination of Chemical Oxygen Demand in Domestic Wastewater by near Infrared Spectrometry of Seston and Partial Least Squares Calibration. <i>NIR News</i> , <b>2008</b> , 19, 8-9	0.8	1
58	A variable elimination method to improve the parsimony of MLR models using the successive projections algorithm. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2008</b> , 92, 83-91	3.8	165
57	Cross-validation for the selection of spectral variables using the successive projections algorithm. <i>Journal of the Brazilian Chemical Society</i> , <b>2007</b> , 18, 1580-1584	1.5	41
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55	A method for determination of COD in a domestic wastewater treatment plant by using near-infrared reflectance spectrometry of seston. <i>Analytica Chimica Acta</i> , <b>2007</b> , 588, 231-6	6.6	56
54	Successive projections algorithm improving the multivariate simultaneous direct spectrophotometric determination of five phenolic compounds in sea water. <i>Microchemical Journal</i> , <b>2007</b> , 85, 194-200	4.8	35
53	Biamperometric Determination of Tetracycline in Pharmaceuticals. <i>Analytical Letters</i> , <b>2007</b> , 40, 3070-3072	2.2	8
52	Improvement of prediction ability of PLS models employing the wavelet packet transform: A case study concerning FT-IR determination of gasoline parameters. <i>Talanta</i> , <b>2007</b> , 71, 1136-43	6.2	20
51	A flow-batch analyzer with piston propulsion applied to automatic preparation of calibration solutions for Mn determination in mineral waters by ET AAS. <i>Talanta</i> , <b>2007</b> , 73, 906-12	6.2	19
50	Classification of distilled alcoholic beverages and verification of adulteration by near infrared spectrometry. <i>Food Research International</i> , <b>2006</b> , 39, 182-189	7	109
49	Digital image-based titrations. <i>Analytica Chimica Acta</i> , <b>2006</b> , 570, 283-90	6.6	84
48	An application of subagging for the improvement of prediction accuracy of multivariate calibration models. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2006</b> , 81, 60-67	3.8	43
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46	Flow injection determination of metronidazole through spectrophotometric measurement of the nitrite ion produced upon alkaline hydrolysis. <i>Journal of the Brazilian Chemical Society</i> , <b>2006</b> , 17, 609-613	1.5	6
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44	A method for calibration and validation subset partitioning. <i>Talanta</i> , <b>2005</b> , 67, 736-40	6.2	527
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42	The successive projections algorithm for spectral variable selection in classification problems. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2005</b> , 78, 11-18	3.8	133
41	Simultaneous spectrometric determination of Cu <sup>2+</sup> , Mn <sup>2+</sup> and Zn <sup>2+</sup> in polivitaminic/polimineral drug using SPA and GA algorithms for variable selection. <i>Journal of the Brazilian Chemical Society</i> , <b>2005</b> , 16, 58-61	1.5	18
40	A novel strategy to verification of adulteration in alcoholic beverages based on Schlieren effect measurements and chemometric techniques. <i>Microchemical Journal</i> , <b>2004</b> , 78, 27-33	4.8	39
39	Screening analysis to detect adulterations in Brazilian gasoline samples using distillation curves. <i>Fuel</i> , <b>2004</b> , 83, 917-923	7.1	67
38	A flow injection method for biamperometric determination of dipyrone in pharmaceuticals. <i>Microchemical Journal</i> , <b>2004</b> , 78, 91-96	4.8	16
37	Optimal wavelet filter construction using X and Y data. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2004</b> , 70, 1-10	3.8	25
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34	Hardness screening of water using a flow-batch photometric system. <i>Analytica Chimica Acta</i> , <b>2004</b> , 518, 25-30	6.6	36
33	An automatic flow-batch standard-addition method for sodium determination in alcohol fuel by flame photometry. <i>Journal of the Brazilian Chemical Society</i> , <b>2003</b> , 14, 249-253	1.5	12
32	Implementation of an automatic standard addition method in a flow-batch system: application to copper determination in an alcoholic beverage by atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , <b>2003</b> , 486, 143-148	6.6	32
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27	Recomendações para calibração em química analítica: parte I. Fundamentos e calibração com um componente (calibração univariada). <i>Química Nova</i> , <b>2002</b> , 25, 856-865	1.6	5

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25	Analytical curve or standard addition method: how to elect and design--a strategy applied to copper determination in sugarcane spirits using AAS. <i>Analyst, The</i> , <b>2002</b> , 127, 1520-5	5	19
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