M C AraÃºjo

List of Publications by Year
in descending order

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225	7,338	66315	74108
papers	citations	42 h-index	75 g-index

226	226	226	5046
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Variable selection in the chemometric treatment of food data: A tutorial review. Food Chemistry, 2022, 370, 131072.	4.2	15
2	Feasibility study on quantification and authentication of the cassava starch content in wheat flour for bread-making using NIR spectroscopy and digital images. Food Chemistry, 2022, 368, 130843.	4.2	10
3	A video processing and machine vision-based automatic analyzer to determine sequentially total suspended and settleable solids in wastewater. Analytica Chimica Acta, 2022, 1206, 339411.	2.6	2
4	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. Food Chemistry, 2022, 381, 132194.	4.2	3
5	Studies of the liposolubility and the ecotoxicity of MC-LR degradation by-products using computational molecular modeling and in-vivo tests with Chlorella vulgaris and Daphnia magna. Aquatic Toxicology, 2022, 245, 106127.	1.9	4
6	An eco-friendly analytical methodology based on digital images for quality control of commercial Mikania glomerata syrups. Microchemical Journal, 2022, 178, 107338.	2.3	1
7	Goat milk authentication by one-class classification of digital image-based fingerprint signatures: Detection of adulteration with cow milk. Microchemical Journal, 2022, 180, 107640.	2.3	5
8	Flow-batch digital image colorimetric system to zinc oxide determination in ointments. Revista Virtual De Quimica, 2021, 13, 1062-1068.	0.1	0
9	Video-based fractional order identification of diffusion dynamics for the analysis of migration rates of polar and nonpolar liquids: Water and oil studies. Review of Scientific Instruments, 2021, 92, 035106.	0.6	2
10	In-situ authentication of goat milk in terms of its adulteration with cow milk using a low-cost portable NIR spectrophotometer. Microchemical Journal, 2021, 163, 105885.	2.3	23
11	Scores selection via Fisherâ€™s discriminant power in PCA-LDA to improve the classification of food data. Food Chemistry, 2021, 363, 130296.	4.2	34
12	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. Food Chemistry, 2021, 363, 130248.	4.2	7
13	A cheap handheld NIR spectrometric system for automatic determination of methane, ethane, and propane in natural gas and biogas. Microchemical Journal, 2021, 170, 106752.	2.3	8
14	Honey authentication in terms of its adulteration with sugar syrups using UVâ€“Vis spectroscopy and one-class classifiers. Food Chemistry, 2021, 365, 130467.	4.2	32
15	Simultaneous determination of methyl, ethyl, propyl, and butyl parabens in sweetener samples without any previous pretreatment using square wave voltammetry and multiway calibration. Food Chemistry, 2021, 365, 130472.	4.2	13
16	Non-destructive authentication of Gourmet ground roasted coffees using NIR spectroscopy and digital images. Food Chemistry, 2021, 364, 130452.	4.2	22
17	Ultrasonic-assisted extraction and automated determination of catalase and lipase activities in bovine and poultry livers using a digital movie-based flow-batch analyzer. Ultrasonics Sonochemistry, 2021, 79, 105774.	3.8	4
18	A fast and sensitive flow-batch method with hydride generating and atomic fluorescence spectrometric detection for automated inorganic antimony speciation in waters. Talanta, 2020, 207, 119834.	2.9	11

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19	A new flow UVâ€“Vis kinetics spectrophotometric method based on a photodegradative reaction for determining the oxidative stability of biodiesel. Fuel, 2020, 262, 116197.	3.4	8
20	A digital capture movie-based robotized Flow-batch luminometer for in-line magnetic nanoparticle solid phase extraction and chemiluminescent measurement. Microchemical Journal, 2020, 153, 104387.	2.3	9
21	Determination of N, N-diethyl-3-methylbenzamide and ethyl-butyl-acetylaminopropionate in insect repellent using near infrared spectroscopy and multivariate calibration. Microchemical Journal, 2020, 152, 104285.	2.3	2
22	Chromatographic quantification of seven pesticide residues in vegetable: Univariate and multiway calibration comparison. Microchemical Journal, 2020, 152, 104301.	2.3	10
23	Digital image-based tracing of geographic origin, winemaker, and grape type for red wine authentication. Food Chemistry, 2020, 312, 126060.	4.2	15
24	Linear Regression Modeling: Variable Selection. , 2020, , 249-293.		3
25	A new highly selective colorimetric Schiff base chemosensor for determining the copper content in artisanal cachaÃ§as. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 243, 118783.	2.0	7
26	Ant colony optimization for variable selection in discriminant linear analysis. Journal of Chemometrics, 2020, 34, e3292.	0.7	2
27	Simultaneous determination of goat milk adulteration with cow milk and their fat and protein contents using NIR spectroscopy and PLS algorithms. LWT - Food Science and Technology, 2020, 127, 109427.	2.5	55
28	Chemometricsâ€assisted color histogramâ€based analytical systems. Journal of Chemometrics, 2020, 34, e3242.	0.7	24
29	Qualitative and quantitative analysis based on digital images to determine the adulteration of ketchup samples with Sudan I dye. Food Chemistry, 2020, 328, 127101.	4.2	41
30	VALIDAÃ‡ÃƒO DE MÃ‰TODO ESPECTROFOTOMÃ TRICO PARA DETERMINAÃ‡ÃƒO DO TEOR DE H2O2 EM ÃGUA DE ABASTECIMENTO PÃšBLICO. Brazilian Journal of Development, 2020, 6, 61828-61836.	0.0	0
31	Synthesis of highly fluorescent carbon dots from lemon and onion juices for determination of riboflavin in multivitamin/mineral supplements. Journal of Pharmaceutical Analysis, 2019, 9, 209-216.	2.4	91
32	Quantification and identification of adulteration in the fat content of chicken hamburgers using digital images and chemometric tools. LWT - Food Science and Technology, 2019, 100, 20-27.	2.5	31
33	Simultaneous identification of the wood types in aged cachaÃ§as and their adulterations with wood extracts using digital images and SPA-LDA. Food Chemistry, 2019, 273, 77-84.	4.2	30
34	Development and validation of a HPLC method to quantify DEET and IR3535 in insect repellents. Analytical Methods, 2018, 10, 1911-1917.	1.3	6
35	Macroemulsion-based dispersive magnetic solid phase extraction for preconcentration and determination of copper(II) in gasoline. Mikrochimica Acta, 2018, 185, 99.	2.5	10
36	Emitter/receiver piezoelectric films coupled to flow-batch analyzer for acoustic determination of free glycerol in biodiesel without chemicals/external pretreatment. Microchemical Journal, 2018, 138, 296-302.	2.3	10

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37	Voltammetric determination of tartaric acid in wines by electrocatalytic oxidation on a cobalt(II)-phthalocyanine-modified electrode associated with multiway calibration. Analytica Chimica Acta, 2018, 1008, 29-37.	2.6	19
38	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. Talanta, 2018, 181, 38-43.	2.9	26
39	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. Talanta, 2018, 178, 384-391.	2.9	49
40	Determination of fat content in chicken hamburgers using NIR spectroscopy and the Successive Projections Algorithm for interval selection in PLS regression (iSPA-PLS). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 300-306.	2.0	52
41	Differentiation of cumin seeds using a metal-oxide based gas sensor array in tandem with chemometric tools. Talanta, 2018, 176, 221-226.	2.9	20
42	A Fast, Low-Cost, and Environmental Friendly Micro-Flow-Batch Analyzer for Photometric Determination of Sulfites in Beverages. Journal of the Brazilian Chemical Society, 2018, , .	0.6	0
43	Simultaneous voltammetric determination of four organic acids in fruit juices using multiway calibration. Food Chemistry, 2018, 266, 232-239.	4.2	23
44	Boron-doped diamond electrode acting as a voltammetric sensor for the detection of methomyl pesticide. Journal of Electroanalytical Chemistry, 2017, 789, 100-107.	1.9	51
45	Screening analysis of garlic-oil capsules by infrared spectroscopy and chemometrics. Microchemical Journal, 2017, 133, 480-484.	2.3	10
46	Adsorptive Stripping Voltammetric Determination of Trace Level Ricin in Castor Seeds Using a Boron-doped Diamond Electrode. Electroanalysis, 2017, 29, 1783-1793.	1.5	9
47	Accurate automatic titration procedure for low sharpness and dichroism in end point detection using digital movies as detection technique. Microchemical Journal, 2017, 133, 593-599.	2.3	15
48	Fluorescent fingerprints of edible oils and biodiesel by means total synchronous fluorescence and Tucker3 modeling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 175, 185-190.	2.0	9
49	An inexpensive NIR LED Webcam photometer for detection of adulterations in hydrated ethyl alcohol fuel. Microchemical Journal, 2017, 135, 148-152.	2.3	25
50	Automated Single-Phase Liquid-Liquid Extraction for Determination of Cr(VI) Using Graphite Furnace Atomic Absorption Spectrophotometry without Wet Digestion of Samples. Food Analytical Methods, 2017, 10, 921-930.	1.3	5
51	Fast Determination of Biodiesel Content in Commercial Diesel/Biodiesel Blends by Using Digital Images and Multivariate Calibration. Analytical Sciences, 2017, 33, 1285-1289.	0.8	5
52	A chemometric cleanup using multivariate curve resolution in liquid chromatography: Quantification of pesticide residues in vegetables. Microchemical Journal, 2017, 134, 131-139.	2.3	20
53	An Active Search Method for Finding Objects with Near-Optimal Property Values within a Given Set. Journal of the Brazilian Chemical Society, 2016, , .	0.6	0
54	Determination of tryptamine in foods using square wave adsorptive stripping voltammetry. Talanta, 2016, 154, 134-140.	2.9	25

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55	Identification of biodiesel feedstock in biodiesel/diesel blends using digital images and chemometric methods. Analytical Methods, 2016, 8, 4949-4954.	1.3	8
56	A digital image-based traceability tool of the geographical origins of Argentine propolis. Microchemical Journal, 2016, 128, 62-67.	2.3	18
57	Two-dimensional linear discriminant analysis for classification of three-way chemical data. Analytica Chimica Acta, 2016, 938, 53-62.	2.6	24
58	Classification of individual cotton seeds with respect to variety using near-infrared hyperspectral imaging. Analytical Methods, 2016, 8, 8498-8505.	1.3	29
59	The successive projections algorithm for interval selection in partial least squares discriminant analysis. Analytical Methods, 2016, 8, 7522-7530.	1.3	11
60	Secondâ€order capillary electrophoresis diode array detector data modeled with the Tucker3 algorithm: A novel strategy for Argentinean white wine discrimination respect to grape variety. Electrophoresis, 2016, 37, 1902-1908.	1.3	10
61	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. Talanta, 2016, 154, 208-218.	2.9	36
62	Handling time misalignment and rank deficiency in liquid chromatography by multivariate curve resolution: Quantitation of five biogenic amines in fish. Analytica Chimica Acta, 2016, 902, 59-69.	2.6	32
63	Using UVâ€“Vis spectroscopy for simultaneous geographical and varietal classification of tea infusions simulating a home-made tea cup. Food Chemistry, 2016, 192, 374-379.	4.2	74
64	Using iSPA-PLS and NIR spectroscopy for the determination of total polyphenols and moisture in commercial tea samples. Analytical Methods, 2015, 7, 3379-3384.	1.3	30
65	Simplified tea classification based on a reduced chemical composition profile via successive projections algorithm linear discriminant analysis (SPA-LDA). Journal of Food Composition and Analysis, 2015, 39, 103-110.	1.9	45
66	Digital image-based classification of biodiesel. Talanta, 2015, 139, 50-55.	2.9	45
67	Determination of triclocarban by direct and adsorptive stripping voltammetric methods on a glassy carbon electrode. Analytical Methods, 2015, 7, 3268-3276.	1.3	7
68	Identification of adulteration in ground roasted coffees using UVâ€“Vis spectroscopy and SPA-LDA. LWT - Food Science and Technology, 2015, 63, 1037-1041.	2.5	65
69	Modeling excitationâ€“emission fluorescence matrices with pattern recognition algorithms for classification of Argentine white wines according grape variety. Food Chemistry, 2015, 184, 214-219.	4.2	73
70	In-line single-phase extraction for direct determination of total iron in oils using CdTe quantum dots and a flow-batch system. Analytical Methods, 2015, 7, 7707-7714.	1.3	9
71	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. Analytical and Bioanalytical Chemistry, 2015, 407, 5649-5659.	1.9	8
72	Calibration transfer employing univariate correction and robust regression. Analytica Chimica Acta, 2015, 864, 1-8.	2.6	19

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73	Screening for Coffee Adulteration Using Digital Images and SPA-LDA. Food Analytical Methods, 2015, 8, 1515-1521.	1.3	29
74	An automatic system for accurate preparation of gas mixtures. Microchemical Journal, 2015, 119, 123-127.	2.3	6
75	Modeling nonbilinear total synchronous fluorescence data matrices with a novel adapted partial least squares method. Analytica Chimica Acta, 2015, 859, 20-28.	2.6	6
76	A Fast Chromatographic Method for Determination of Daidzein and Genistein in Spiked Water River Samples Using Multivariate Curve Resolution. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
77	Use of an Automatic System in the Preparation of Gas Mixtures for Multivariate Calibration: A Case Study Involving NIR Analysis of Natural Gas. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
78	A Micro-Flow-Batch Analyzer using Webcam for Spectrophotometric Determination ofOrtho-phosphate and Aluminium(III) in Tap Water. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
79	The Successive Projections Algorithm for interval selection in trilinear partial least-squares with residual bilinearization. Analytica Chimica Acta, 2014, 811, 13-22.	2.6	14
80	Automatic Flow-Batch Approach Using CdTe Quantum Dots for Fluorescent Determination of Ascorbic Acid in Fruit Juices. Food Analytical Methods, 2014, 7, 1598-1603.	1.3	9
81	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. European Journal of Pharmaceutical Sciences, 2014, 51, 189-195.	1.9	21
82	Determination of sodium and calcium in powder milk using digital image-based flame emission spectrometry. Analytical Methods, 2014, 6, 1044-1050.	1.3	17
83	Simultaneous Classification of Teas According to Their Varieties and Geographical Origins by Using NIR Spectroscopy and SPA-LDA. Food Analytical Methods, 2014, 7, 1712.	1.3	51
84	Screening analysis of natural gas with respect to methane content by near-infrared spectrometry. Microchemical Journal, 2014, 114, 210-215.	2.3	14
85	Using color histograms and SPA-LDA to classify bacteria. Analytical and Bioanalytical Chemistry, 2014, 406, 5989-5995.	1.9	20
86	A Micro-Flow-Batch Analyzer Using an In-line Cadmium Sponge Microcolumn for the Photometric Determination of Nitrate and Nitrite in Dairy Samples. Food Analytical Methods, 2014, 7, 1925-1931.	1.3	3
87	Geographical origin classification of Argentinean honeys using a digital image-based flow-batch system. Microchemical Journal, 2014, 112, 104-108.	2.3	28
88	Electrochemical oxidation and electroanalytical determination of xylitol at a boron-doped diamond electrode. Talanta, 2014, 119, 509-516.	2.9	19
89	Using Webcam, CdTe Quantum Dots and Flow-Batch System for Automatic Spectrofluorimetric Determination ofN-Acetyl-L-cysteine in Pharmaceutical Formulations. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
90	Non-Destructive NIR Spectrometric Cultivar Discrimination of Castor Seeds Resulting from Breeding Programs. Journal of the Brazilian Chemical Society, 2014, , .	0.6	2

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91	Prediction of mechanical properties of poly(ethylene terephthalate) using infrared spectroscopy and multivariate calibration. Journal of Applied Polymer Science, 2013, 127, 3441-3446.	1.3	5
92	Multivariate analysis of the dielectric response of materials modeled using networks of resistors and capacitors. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 995-1008.	1.8	14
93	A flow-batch analyzer using a low cost aquarium pump for classification of citrus juice with respect to brand. Talanta, 2013, 107, 45-48.	2.9	5
94	A digital image-based flow-batch analyzer for determining Al(III) and Cr(VI) in water. Microchemical Journal, 2013, 109, 106-111.	2.3	41
95	A flowâ€“batch luminometer. Microchemical Journal, 2013, 108, 151-155.	2.3	10
96	An ultrasonic-accelerated oxidation method for determining the oxidative stability of biodiesel. Ultrasonics Sonochemistry, 2013, 20, 820-825.	3.8	21
97	The successive projections algorithm. TrAC - Trends in Analytical Chemistry, 2013, 42, 84-98.	5.8	193
98	Using a flow-batch analyzer for photometric determination of Fe(<scp>iii</scp>) in edible and lubricating oils without external pretreatment. Analytical Methods, 2013, 5, 1040-1045.	1.3	8
99	Eco-friendly sonoluminescent determination of free glycerol in biodiesel samples. Talanta, 2013, 114, 38-42.	2.9	15
100	The successive projections algorithm for interval selection in PLS. Microchemical Journal, 2013, 110, 202-208.	2.3	70
101	An automatic flow system for NIR screening analysis of liquefied petroleum gas with respect to propane content. Talanta, 2013, 106, 158-162.	2.9	4
102	Electrochemical study of ricin at glassy carbon electrode. Analyst, The, 2013, 138, 4565.	1.7	7
103	A digital image-based micro-flow-batch analyzer. Microchemical Journal, 2013, 106, 238-243.	2.3	38
104	An Embedded System for Determining Free Glycerol Level in Biodiesel. , 2013, , .		0
105	UV-Vis Spectrometric Detection of Biodiesel/Diesel Blend Adulterations with Soybean Oil. Journal of the Brazilian Chemical Society, 2013, , .	0.6	3
106	A New Validation Criterion for Guiding the Selection of Variables by the Successive Projections Algorithm in Classification Problems. Journal of the Brazilian Chemical Society, 2013, , .	0.6	1
107	A graphical user interface for variable selection employing the Successive Projections Algorithm. Chemometrics and Intelligent Laboratory Systems, 2012, 118, 260-266.	1.8	42
108	Screening analysis of seston from a domestic wastewater treatment plant using digital images. Analytical Methods, 2012, 4, 2375.	1.3	1

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109	Quantitative spot test analysis of soluble tannin in green tea using a portable diffuse reflectometer. Analytical Methods, 2012, 4, 2329.	1.3	2
110	Automatized flow-batch method for fluorescent determination of free glycerol in biodiesel samples using on-line extraction. Talanta, 2012, 89, 21-26.	2.9	34
111	Turbidimetric and photometric determination of total tannins in tea using a micro-flow-batch analyzer. Talanta, 2012, 88, 717-723.	2.9	17
112	Screening analysis of beer ageing using near infrared spectroscopy and the Successive Projections Algorithm for variable selection. Talanta, 2012, 89, 286-291.	2.9	51
113	Near-infrared spectrometric determination of dipyrone in closed ampoules. Talanta, 2012, 92, 84-86.	2.9	17
114	A monosegmented flow-batch system for slow reaction kinetics: Spectrophotometric determination of boron in plants. Talanta, 2012, 94, 111-115.	2.9	10
115	Screening analysis of biodiesel feedstock using UVâ€“vis, NIR and synchronous fluorescence spectrometries and the successive projections algorithm. Talanta, 2012, 97, 579-583.	2.9	34
116	Photometric determination of phosphorus in mineralized biodiesel using a micro-flow-batch analyzer with solenoid micro-pumps. Talanta, 2012, 98, 118-122.	2.9	15
117	Microcystin-LR and chemically degraded microcystin-LR electrochemical oxidation. Analyst, The, 2012, 137, 1904.	1.7	17
118	Automatic microemulsion preparation for metals determination in fuel samples using a flow-batch analyzer and graphite furnace atomic absorption spectrometry. Analytica Chimica Acta, 2012, 727, 34-40.	2.6	20
119	A micro-flow-batch analyzer with solenoid micro-pumps for the photometric determination of iodate in table salt. Talanta, 2012, 100, 308-312.	2.9	15
120	Using a simple digital camera and SPA-LDA modeling to screen teas. Analytical Methods, 2012, 4, 2648.	1.3	42
121	Sorbic Acid and Its Degradation Products: Electrochemical Characterization. Analytical Letters, 2012, 45, 408-417.	1.0	6
122	Flow injection photometric determination of NaCl, KCl and glucose in injectable drugs exploiting Schlieren signals. Journal of Pharmaceutical and Biomedical Analysis, 2012, 62, 172-176.	1.4	3
123	Flow-batch analysis. TrAC - Trends in Analytical Chemistry, 2012, 35, 39-49.	5.8	81
124	Internal and External Validation in SPA-LDA: A Comparative Study Involving Diesel/Biodiesel Blends. NIR News, 2012, 23, 6-8.	1.6	2
125	Indirect determination of sodium diclofenac, sodium dipyrone and calcium gluconate in injection drugs using digital image-based (webcam) flame emission spectrometric method. Analytical Methods, 2011, 3, 1975.	1.3	29
126	Flow-Batch Analyzer for the Chemiluminescence Determination of Catecholamines in Pharmaceutical Preparations. Analytical Letters, 2011, 44, 67-81.	1.0	20

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127	Electroanalytical determination of carbendazim by square wave adsorptive stripping voltammetry with a multiwalled carbon nanotubes modified electrode. Analytical Methods, 2011, 3, 1202.	1.3	60
128	A digital image-based method for determining of total acidity in red wines using acidâ€“base titration without indicator. Talanta, 2011, 84, 601-606.	2.9	59
129	Flowâ€“batch miniaturization. Talanta, 2011, 86, 208-213.	2.9	23
130	Influence of wavelet transform settings on NIR and MIR spectrometric analyses of diesel, gasoline, corn and wheat. Journal of the Brazilian Chemical Society, 2011, , .	0.6	3
131	Um sistema microcontrolado para o monitoramento on-line, in situ e remoto de pH, condutividade e temperatura de Ã¡guas. Quimica Nova, 2011, 34, 135-139.	0.3	4
132	A flow-batch analyzer for UV-Vis spectrophotometric detection of adulteration in distilled spirits. Journal of the Brazilian Chemical Society, 2011, 22, 1061-1067.	0.6	20
133	Thermogravimetric determination of l-ascorbic acid in non-effervescent formulations using multiple linear regression with temperature selection by the successive projections algorithm. Thermochimica Acta, 2011, 526, 200-204.	1.2	12
134	Redox Mechanisms of Nodularin and Chemically Degraded Nodularin. Electroanalysis, 2011, 23, 2310-2319.	1.5	5
135	A modification of the successive projections algorithm for spectral variable selection in the presence of unknown interferents. Analytica Chimica Acta, 2011, 689, 22-28.	2.6	23
136	Effect of the subsampling ratio in the application of subagging for multivariate calibration with the successive projections algorithm. Journal of the Brazilian Chemical Society, 2011, 22, 2225-2233.	0.6	8
137	AnÃ¡lise screening de vinhos empregando um analisador fluxo-batelada, espectroscopia UV-VIS e quimiometria. Quimica Nova, 2010, 33, 351-357.	0.3	6
138	A microfluidic device with integrated fluorimetric detection for flow injection analysis. Analytical and Bioanalytical Chemistry, 2010, 396, 715-723.	1.9	23
139	UVâ€“Vis spectrometric classification of coffees by SPAâ€“LDA. Food Chemistry, 2010, 119, 368-371.	4.2	83
140	Ensemble wavelet modelling for determination of wheat and gasoline properties by near and middle infrared spectroscopy. Analytica Chimica Acta, 2010, 682, 37-47.	2.6	19
141	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. Journal of the Brazilian Chemical Society, 2010, 21, 760-763.	0.6	9
142	Multi-core computation in chemometrics: case studies of voltammetric and NIR spectrometric analyses. Journal of the Brazilian Chemical Society, 2010, 21, 1626-1634.	0.6	15
143	ClassificaÃ§Ã£o periÃ³dica: um exemplo didÃ¡tico para ensinar anÃ¡lise de componentes principais. Quimica Nova, 2010, 33, 1594-1597.	0.3	31
144	Automatic determination of chlorine without standard solutions using a biamperometric flow-batch analysis system. Talanta, 2010, 81, 609-613.	2.9	17

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145	Kinetics independent spectrometric analysis using non-linear calibration modelling and exploitation of concentration gradients generated by a flowâ€“batch system for albumin and total protein determination in blood serum. Talanta, 2010, 82, 1027-1032.	2.9	10
146	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. Talanta, 2010, 83, 320-323.	2.9	33
147	Classification of Brazilian soils by using LIBS and variable selection in the wavelet domain. Analytica Chimica Acta, 2009, 642, 12-18.	2.6	106
148	Digital image-based flame emission spectrometry. Talanta, 2009, 77, 1584-1589.	2.9	59
149	Classification of edible vegetable oils using square wave voltammetry with multivariate data analysis. Talanta, 2009, 77, 1660-1666.	2.9	48
150	Near infrared reflectance spectrometry classification of cigarettes using the successive projections algorithm for variable selection. Talanta, 2009, 79, 1260-1264.	2.9	73
151	QSPR Modeling of Soil Sorption Coefficients (K_{OC}) of Pesticides Using SPA-ANN and SPA-MLR. Journal of Agricultural and Food Chemistry, 2009, 57, 7153-7158.	2.4	47
152	Variable Selection. , 2009, , 233-283.		6
153	Flow-batch analyser for preparation of calibration standard mixtures in simultaneous multicomponent spectrometric analysis. Ecletica Quimica, 2009, 34, 37-47.	0.2	4
154	Wavelet-Based determination of Cu and Pb in water samples using potentiometric stripping analysis with a Lab-Made potentiostat. Journal of the Brazilian Chemical Society, 2009, 20, 1561-1564.	0.6	2
155	A variable elimination method to improve the parsimony of MLR models using the successive projections algorithm. Chemometrics and Intelligent Laboratory Systems, 2008, 92, 83-91.	1.8	213
156	An inexpensive, portable and microcontrolled near infrared LED-photometer for screening analysis of gasoline. Talanta, 2008, 75, 792-796.	2.9	34
157	Flow-batch technique for the simultaneous enzymatic determination of levodopa and carbidopa in pharmaceuticals using PLS and successive projections algorithm. Talanta, 2008, 75, 950-958.	2.9	47
158	NIR spectrometric determination of quality parameters in vegetable oils using iPLS and variable selection. Food Research International, 2008, 41, 341-348.	2.9	108
159	Tribute to Boaventura Freire dos Reis, Universidade de SÃ£o Paulo. Analytical Letters, 2008, 41, 1486-1488.	1.0	0
160	Determination of Chemical Oxygen Demand in Domestic Wastewater by near Infrared Spectrometry of Seston and Partial Least Squares Calibration. NIR News, 2008, 19, 8-9.	1.6	1
161	RecomendaÃ§Ãµes para calibraÃ§Ã£o em QuÃmica AnalÃtica parte 2: calibraÃ§Ã£o multianalito. Quimica Nova, 2008, 31, 462-467.	0.3	1
162	Biamperometric Determination of Tetracycline in Pharmaceuticals. Analytical Letters, 2007, 40, 3070-3079.	1.0	8

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163	Improvement of prediction ability of PLS models employing the wavelet packet transform: A case study concerning FT-IR determination of gasoline parameters. Talanta, 2007, 71, 1136-1143.	2.9	25
164	A flow-batch analyzer with piston propulsion applied to automatic preparation of calibration solutions for Mn determination in mineral waters by ET AAS. Talanta, 2007, 73, 906-912.	2.9	19
165	Cross-validation for the selection of spectral variables using the successive projections algorithm. Journal of the Brazilian Chemical Society, 2007, 18, 1580-1584.	0.6	51
166	Sub-optimal wavelet denoising of coaveraged spectra employing statistics from individual scans. Analytica Chimica Acta, 2007, 581, 159-167.	2.6	14
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