Gomes, Aa Or Gomes A D A

List of Publications by Citations

51 papers	889 citations	17 h-index	29 g-index
57 ext. papers	1,132 ext. citations	5.1 avg, IF	4.64 L-index

#	Paper	IF	Citations
51	The successive projections algorithm. *TrAC - Trends in Analytical Chemistry*, **2013**, 42, 84-98	14.6	138
50	Comparison of the nonlinear and linear forms of the van't Hoff equation for calculation of adsorption thermodynamic parameters (ΔS° and ΔH°). *Journal of Molecular Liquids*, **2020**, 311, 113315	6	62
49	Modeling excitation-emission fluorescence matrices with pattern recognition algorithms for classification of Argentine white wines according grape variety. *Food Chemistry*, **2015**, 184, 214-9	8.5	61
48	The successive projections algorithm for interval selection in PLS. *Microchemical Journal*, **2013**, 110, 202-208	4.8	55
47	Screening analysis of beer ageing using near infrared spectroscopy and the Successive Projections Algorithm for variable selection. *Talanta*, **2012**, 89, 286-91	6.2	47
46	Simultaneous Classification of Teas According to Their Varieties and Geographical Origins by Using NIR Spectroscopy and SPA-LDA. *Food Analytical Methods*, **2014**, 7, 1712	3.4	46
45	Determination of biodiesel content in biodiesel/diesel blends using NIR and visible spectroscopy with variable selection. *Talanta*, **2011**, 87, 30-4	6.2	40
44	Classification of biodiesel using NIR spectrometry and multivariate techniques. *Talanta*, **2010**, 83, 565-8	6.2	31
43	Presence of antibiotic resistance genes and its association with antibiotic occurrence in Dilúvio River in southern Brazil. *Science of the Total Environment*, **2020**, 738, 139781	10.2	30
42	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, 208-18	6.2	27
41	Screening analysis of biodiesel feedstock using UV-vis, NIR and synchronous fluorescence spectrometries and the successive projections algorithm. *Talanta*, **2012**, 97, 579-83	6.2	27
40	Speciation analysis based on digital image colorimetry: Iron (II/III) in white wine. *Talanta*, **2019**, 194, 86-89	6.2	27
39	Determination of ascorbic acid in natural fruit juices using digital image colorimetry. *Microchemical Journal*, **2019**, 149, 104031	4.8	23
38	Modeling second-order data for classification issues: Data characteristics, algorithms, processing procedures and applications. *TrAC - Trends in Analytical Chemistry*, **2018**, 107, 151-168	14.6	22
37	Qualitative and quantitative analysis based on digital images to determine the adulteration of ketchup samples with Sudan I dye. *Food Chemistry*, **2020**, 328, 127101	8.5	22
36	Biodiesel/Diesel Blends Classification with Respect to Base Oil Using NIR Spectrometry and Chemometrics Tools. *JAOCS, Journal of the American Oil Chemists'Society*, **2012**, 89, 1165-1171	1.8	18
35	A Fast and Inexpensive Chemometric-Assisted Method to Identify Adulteration in Acai (Euterpe oleracea) Using Digital Images. *Food Analytical Methods*, **2018**, 11, 1920-1926	3.4	17

34	Using near infrared spectroscopy to classify soybean oil according to expiration date. *Food Chemistry*, **2016**, 196, 539-43	8.5	16
33	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	6.2	15
32	The Successive Projections Algorithm for interval selection in trilinear partial least-squares with residual bilinearization. *Analytica Chimica Acta*, **2014**, 811, 13-22	6.6	11
31	Comparison between counterfeit and authentic medicines: A novel approach using differential scanning calorimetry and hierarchical cluster analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 166, 304-309	3.5	10
30	Evaluation of efficiency and selectivity in the sorption process assisted by chemometric approaches: Removal of emerging contaminants from water. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 218, 366-373	4.4	10
29	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	4.8	10
28	Digital image-based tracing of geographic origin, winemaker, and grape type for red wine authentication. *Food Chemistry*, **2020**, 312, 126060	8.5	10
27	Detection oxidative degradation in lubricating oil under storage conditions using digital images and chemometrics. *Microchemical Journal*, **2019**, 147, 622-627	4.8	9
26	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. *Electrophoresis*, **2016**, 37, 1902-8	3.6	9
25	Mixture Design PARAFAC HPLC-DAD Metabolomic Fingerprints of Fractionated Organic and Basic Extracts from Erythrina speciosa Andrews Leaves. *Chromatographia*, **2018**, 81, 1189-1200	2.1	9
24	Removal of pharmaceuticals in hospital wastewater by solar photo-Fenton with Fe3+-EDDS using a pilot raceway pond reactor: Transformation products and in silico toxicity assessment. *Microchemical Journal*, **2021**, 164, 106014	4.8	9
23	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	4.4	6
22	The role silica pore structure plays in the performance of modified carbon paste electrodes. *Ionics*, **2019**, 25, 3259-3268	2.7	6
21	The successive projections algorithm for interval selection in partial least squares discriminant analysis. *Analytical Methods*, **2016**, 8, 7522-7530	3.2	6
20	Chromatographic quantification of seven pesticide residues in vegetable: Univariate and multiway calibration comparison. *Microchemical Journal*, **2020**, 152, 104301	4.8	6
19	Pharmaceuticals, pesticides and metals/metalloids in Lake Guaíba in Southern Brazil: Spatial and temporal evaluation and a chemometrics approach. *Science of the Total Environment*, **2021**, 793, 148561	10.2	6
18	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, 5649-59	4.4	5
17	Modeling nonbilinear total synchronous fluorescence data matrices with a novel adapted partial least squares method. *Analytica Chimica Acta*, **2015**, 859, 20-8	6.6	5

16	Computer-vision based second-order (kinetic-color) data generation: arsenic quantitation in natural waters. *Microchemical Journal*, **2020**, 157, 104916	4.8	5
15	A flow-batch analyzer using a low cost aquarium pump for classification of citrus juice with respect to brand. *Talanta*, **2013**, 107, 45-8	6.2	5
14	Analytical and preparative chromatographic approaches for extraction of spilanthol from Acmella oleracea flowers. *Microchemical Journal*, **2020**, 157, 105035	4.8	5
13	Scores selection via Fisher's discriminant power in PCA-LDA to improve the classification of food data. *Food Chemistry*, **2021**, 363, 130296	8.5	5
12	Mineral Composition Evaluation in Energy Drinks Using ICP OES and Chemometric Tools. *Biological Trace Element Research*, **2020**, 194, 284-294	4.5	3
11	Variable selection in the chemometric treatment of food data: A tutorial review. *Food Chemistry*, **2022**, 370, 131072	8.5	3
10	Flow injection photometric determination of NaCl, KCl and glucose in injectable drugs exploiting Schlieren signals. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 62, 172-6	3.5	2
9	UV-Vis Spectrometric Detection of Biodiesel/Diesel Blend Adulterations with Soybean Oil. *Journal of the Brazilian Chemical Society*, **2013**,	1.5	2
8	Internal and External Validation in SPA-LDA: A Comparative Study Involving Diesel/Biodiesel Blends. *NIR News*, **2012**, 23, 6-8	0.8	2
7	Screening Analysis of Biodiesel Mixture Feedstock Using near Infrared Spectrometry. *NIR News*, **2013**, 24, 6-10	0.8	1
6	Bio-inspired algorithm for variable selection in i-PLSR to determine physical properties, thorium and rare earth elements in soils from Brazilian semiarid region. *Microchemical Journal*, **2021**, 160, 105640	4.8	1
5	Exploiting a gradient kinetics and color histogram in a single picture to second order digital imaging data acquisition with MCR-ALS for the arsenic quantification in water. *Sensors and Actuators B: Chemical*, **2021**, 342, 130079	8.5	1
4	Homogeneity and stability assessment of a candidate to pumpkin seed flour reference material by means of computer vision based chemometrics assisted approach. *Food Chemistry*, **2022**, 368, 130842	8.5	1
3	Ant colony optimization for variable selection in discriminant linear analysis. *Journal of Chemometrics*, **2020**, 34, e3292	1.6	0
2	Geographical origin authentication of southern Brazilian red wines by means of EEM-pH four-way data modelling coupled with one class classification approach. *Food Chemistry*, **2021**, 362, 130087	8.5	0
1	Exploring estimated hydrocarbon composition via gas chromatography and multivariate calibration to predict the pyrolysis gasoline distillation curve. *Fuel*, **2021**, 303, 121298	7.1	0