

Gomes, Aa Or Gomes A D A

List of Publications by Year
in descending order

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57
papers

1,392
citations

430874
18
h-index

345221
36
g-index

57
all docs

57
docs citations

57
times ranked

1457
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the nonlinear and linear forms of the van't Hoff equation for calculation of adsorption thermodynamic parameters ($\Delta^\ddagger S^\circ$ and $\Delta^\ddagger H^\circ$). Journal of Molecular Liquids, 2020, 311, 113315.	4.9	194
2	The successive projections algorithm. TrAC - Trends in Analytical Chemistry, 2013, 42, 84-98.	11.4	193
3	Modeling excitation-emission fluorescence matrices with pattern recognition algorithms for classification of Argentine white wines according grape variety. Food Chemistry, 2015, 184, 214-219.	8.2	73
4	The successive projections algorithm for interval selection in PLS. Microchemical Journal, 2013, 110, 202-208.	4.5	70
5	Presence of antibiotic resistance genes and its association with antibiotic occurrence in Dil�vio River in southern Brazil. Science of the Total Environment, 2020, 738, 139781.	8.0	55
6	Screening analysis of beer ageing using near infrared spectroscopy and the Successive Projections Algorithm for variable selection. Talanta, 2012, 89, 286-291.	5.5	51
7	Simultaneous Classification of Teas According to Their Varieties and Geographical Origins by Using NIR Spectroscopy and SPA-LDA. Food Analytical Methods, 2014, 7, 1712.	2.6	51
8	Determination of biodiesel content in biodiesel/diesel blends using NIR and visible spectroscopy with variable selection. Talanta, 2011, 87, 30-34.	5.5	49
9	Determination of ascorbic acid in natural fruit juices using digital image colorimetry. Microchemical Journal, 2019, 149, 104031.	4.5	48
10	Speciation analysis based on digital image colorimetry: Iron (II/III) in white wine. Talanta, 2019, 194, 86-89.	5.5	43
11	Qualitative and quantitative analysis based on digital images to determine the adulteration of ketchup samples with Sudan I dye. Food Chemistry, 2020, 328, 127101.	8.2	41
12	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.	5.5	36
13	Classification of biodiesel using NIR spectrometry and multivariate techniques. Talanta, 2010, 83, 565-568.	5.5	35
14	Screening analysis of biodiesel feedstock using UV-vis, NIR and synchronous fluorescence spectrometries and the successive projections algorithm. Talanta, 2012, 97, 579-583.	5.5	34
15	Scores selection via Fisher's discriminant power in PCA-LDA to improve the classification of food data. Food Chemistry, 2021, 363, 130296.	8.2	34
16	Modeling second-order data for classification issues: Data characteristics, algorithms, processing procedures and applications. TrAC - Trends in Analytical Chemistry, 2018, 107, 151-168.	11.4	27
17	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.	5.5	26
18	Using near infrared spectroscopy to classify soybean oil according to expiration date. Food Chemistry, 2016, 196, 539-543.	8.2	19

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19	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.	1.9	18
20	A Fast and Inexpensive Chemometric-Assisted Method to Identify Adulteration in Acai (Euterpe Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.6	18
21	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.	8.0	18
22	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.	2.8	17
23	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.	3.9	16
24	Removal of pharmaceuticals in hospital wastewater by solar photo-Fenton with Fe ³⁺ -EDDS using a pilot raceway pond reactor: Transformation products and in silico toxicity assessment. Microchemical Journal, 2021, 164, 106014.	4.5	16
25	Digital image-based tracing of geographic origin, winemaker, and grape type for red wine authentication. Food Chemistry, 2020, 312, 126060.	8.2	15
26	Variable selection in the chemometric treatment of food data: A tutorial review. Food Chemistry, 2022, 370, 131072.	8.2	15
27	The Successive Projections Algorithm for interval selection in trilinear partial least-squares with residual bilinearization. Analytica Chimica Acta, 2014, 811, 13-22.	5.4	14
28	Detection oxidative degradation in lubricating oil under storage conditions using digital images and chemometrics. Microchemical Journal, 2019, 147, 622-627.	4.5	14
29	Mixture Design PARAFAC HPLC-DAD Metabolomic Fingerprints of Fractionated Organic and Basic Extracts from Erythrina speciosa Andrews Leaves. Chromatographia, 2018, 81, 1189-1200.	1.3	13
30	The successive projections algorithm for interval selection in partial least squares discriminant analysis. Analytical Methods, 2016, 8, 7522-7530.	2.7	11
31	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, 1902-1908.	2.4	10
32	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.	4.5	10
33	The role silica pore structure plays in the performance of modified carbon paste electrodes. Ionics, 2019, 25, 3259-3268.	2.4	10
34	Chromatographic quantification of seven pesticide residues in vegetable: Univariate and multiway calibration comparison. Microchemical Journal, 2020, 152, 104301.	4.5	10
35	Analytical and preparative chromatographic approaches for extraction of spilanthol from Acmella oleracea flowers. Microchemical Journal, 2020, 157, 105035.	4.5	10
36	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.	3.9	9

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37	Computer-vision based second-order (kinetic-color) data generation: arsenic quantitation in natural waters. <i>Microchemical Journal</i> , 2020, 157, 104916.	4.5	9
38	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> , 2015, 407, 5649-5659.	3.7	8
39	Modeling nonbilinear total synchronous fluorescence data matrices with a novel adapted partial least squares method. <i>Analytica Chimica Acta</i> , 2015, 859, 20-28.	5.4	6
40	Geographical origin authentication of southern Brazilian red wines by means of EEM-pH four-way data modelling coupled with one class classification approach. <i>Food Chemistry</i> , 2021, 362, 130087.	8.2	6
41	A flow-batch analyzer using a low cost aquarium pump for classification of citrus juice with respect to brand. <i>Talanta</i> , 2013, 107, 45-48.	5.5	5
42	Mineral Composition Evaluation in Energy Drinks Using ICP OES and Chemometric Tools. <i>Biological Trace Element Research</i> , 2020, 194, 284-294.	3.5	5
43	Bio-inspired algorithm for variable selection in i-PLSR to determine physical properties, thorium and rare earth elements in soils from Brazilian semiarid region. <i>Microchemical Journal</i> , 2021, 160, 105640.	4.5	4
44	Flow injection photometric determination of NaCl, KCl and glucose in injectable drugs exploiting Schlieren signals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 62, 172-176.	2.8	3
45	UV-Vis Spectrometric Detection of Biodiesel/Diesel Blend Adulterations with Soybean Oil. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	3
46	Maturation and Maceration Effects on Tropical Red Wines Assessed by Chromatography and Analysis of Variance - Principal Component Analysis. <i>Journal of the Brazilian Chemical Society</i> , 2019, , .	0.6	2
47	Ant colony optimization for variable selection in discriminant linear analysis. <i>Journal of Chemometrics</i> , 2020, 34, e3292.	1.3	2
48	Fingermark Analysis by Fourier Transform Infrared Microscopy Using Chemometric Tools. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.5	2
49	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. <i>Sensors and Actuators B: Chemical</i> , 2021, 342, 130079.	7.8	2
50	Exploring estimated hydrocarbon composition via gas chromatography and multivariate calibration to predict the pyrolysis gasoline distillation curve. <i>Fuel</i> , 2021, 303, 121298.	6.4	2
51	Homogeneity and stability assessment of a candidate to pumpkin seed flour reference material by means of computer vision based chemometrics assisted approach. <i>Food Chemistry</i> , 2022, 368, 130842.	8.2	2
52	Internal and External Validation in SPA-LDA: A Comparative Study Involving Diesel/Biodiesel Blends. <i>NIR News</i> , 2012, 23, 6-8.	0.3	2
53	Non-Destructive NIR Spectrometric Cultivar Discrimination of Castor Seeds Resulting from Breeding Programs. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	2
54	Green Chemistry Method Based on PARAFAC EEM Data Modeling for Benzo[a]pyrene Quantitation in Distilled Spirit. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2

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55	Screening Analysis of Biodiesel Mixture Feedstock Using near Infrared Spectrometry. NIR News, 2013, 24, 6-10.	0.3	1
56	Classification of Tablets containing Dipyrone, Caffeine and Orphenadrine by Near Infrared Spectroscopy and Chemometric Tools. Journal of the Brazilian Chemical Society, 2013, , .	0.6	1
57	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