

Gomes, Aa Or Gomes A D A

List of Publications by Year in descending order

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57
papers

1,392
citations

430442

18
h-index

344852

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 (ΔH° and ΔS°). <i>Journal of Molecular Liquids</i> , 2020, 311, 113315.	2.3	194
2	The successive projections algorithm. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 42, 84-98.	5.8	193
3	Modeling excitation-emission fluorescence matrices with pattern recognition algorithms for classification of Argentine white wines according grape variety. <i>Food Chemistry</i> , 2015, 184, 214-219.	4.2	73
4	The successive projections algorithm for interval selection in PLS. <i>Microchemical Journal</i> , 2013, 110, 202-208.	2.3	70
5	Presence of antibiotic resistance genes and its association with antibiotic occurrence in Dil�vio River in southern Brazil. <i>Science of the Total Environment</i> , 2020, 738, 139781.	3.9	55
6	Screening analysis of beer ageing using near infrared spectroscopy and the Successive Projections Algorithm for variable selection. <i>Talanta</i> , 2012, 89, 286-291.	2.9	51
7	Simultaneous Classification of Teas According to Their Varieties and Geographical Origins by Using NIR Spectroscopy and SPA-LDA. <i>Food Analytical Methods</i> , 2014, 7, 1712.	1.3	51
8	Determination of biodiesel content in biodiesel/diesel blends using NIR and visible spectroscopy with variable selection. <i>Talanta</i> , 2011, 87, 30-34.	2.9	49
9	Determination of ascorbic acid in natural fruit juices using digital image colorimetry. <i>Microchemical Journal</i> , 2019, 149, 104031.	2.3	48
10	Speciation analysis based on digital image colorimetry: Iron (II/III) in white wine. <i>Talanta</i> , 2019, 194, 86-89.	2.9	43
11	Qualitative and quantitative analysis based on digital images to determine the adulteration of ketchup samples with Sudan I dye. <i>Food Chemistry</i> , 2020, 328, 127101.	4.2	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. <i>Talanta</i> , 2016, 154, 208-218.	2.9	36
13	Classification of biodiesel using NIR spectrometry and multivariate techniques. <i>Talanta</i> , 2010, 83, 565-568.	2.9	35
14	Screening analysis of biodiesel feedstock using UV-vis, NIR and synchronous fluorescence spectrometries and the successive projections algorithm. <i>Talanta</i> , 2012, 97, 579-583.	2.9	34
15	Scores selection via Fisher's discriminant power in PCA-LDA to improve the classification of food data. <i>Food Chemistry</i> , 2021, 363, 130296.	4.2	34
16	Modeling second-order data for classification issues: Data characteristics, algorithms, processing procedures and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 107, 151-168.	5.8	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. <i>Talanta</i> , 2018, 181, 38-43.	2.9	26
18	Using near infrared spectroscopy to classify soybean oil according to expiration date. <i>Food Chemistry</i> , 2016, 196, 539-543.	4.2	19

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19	Biodiesel/Diesel Blends Classification with Respect to Base Oil Using NIR Spectrometry and Chemometrics Tools. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 1165-1171.	0.8	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	1.3	18
21	Pharmaceuticals, pesticides and metals/metalloids in Lake GuaÁba in Southern Brazil: Spatial and temporal evaluation and a chemometrics approach. <i>Science of the Total Environment</i> , 2021, 793, 148561.	3.9	18
22	Comparison between counterfeit and authentic medicines: A novel approach using differential scanning calorimetry and hierarchical cluster analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 304-309.	1.4	17
23	Evaluation of efficiency and selectivity in the sorption process assisted by chemometric approaches: Removal of emerging contaminants from water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 366-373.	2.0	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. <i>Microchemical Journal</i> , 2021, 164, 106014.	2.3	16
25	Digital image-based tracing of geographic origin, winemaker, and grape type for red wine authentication. <i>Food Chemistry</i> , 2020, 312, 126060.	4.2	15
26	Variable selection in the chemometric treatment of food data: A tutorial review. <i>Food Chemistry</i> , 2022, 370, 131072.	4.2	15
27	The Successive Projections Algorithm for interval selection in trilinear partial least-squares with residual bilinearization. <i>Analytica Chimica Acta</i> , 2014, 811, 13-22.	2.6	14
28	Detection oxidative degradation in lubricating oil under storage conditions using digital images and chemometrics. <i>Microchemical Journal</i> , 2019, 147, 622-627.	2.3	14
29	Mixture Design PARAFAC HPLC-DAD Metabolomic Fingerprints of Fractionated Organic and Basic Extracts from <i>Erythrina speciosa</i> Andrews Leaves. <i>Chromatographia</i> , 2018, 81, 1189-1200.	0.7	13
30	The successive projections algorithm for interval selection in partial least squares discriminant analysis. <i>Analytical Methods</i> , 2016, 8, 7522-7530.	1.3	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. <i>Electrophoresis</i> , 2016, 37, 1902-1908.	1.3	10
32	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> , 2018, 138, 296-302.	2.3	10
33	The role silica pore structure plays in the performance of modified carbon paste electrodes. <i>Ionics</i> , 2019, 25, 3259-3268.	1.2	10
34	Chromatographic quantification of seven pesticide residues in vegetable: Univariate and multiway calibration comparison. <i>Microchemical Journal</i> , 2020, 152, 104301.	2.3	10
35	Analytical and preparative chromatographic approaches for extraction of spilanthol from <i>Acmella oleracea</i> flowers. <i>Microchemical Journal</i> , 2020, 157, 105035.	2.3	10
36	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> , 2017, 175, 185-190.	2.0	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.	2.3	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.	1.9	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.	2.6	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.	4.2	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.	2.9	5
42	Mineral Composition Evaluation in Energy Drinks Using ICP OES and Chemometric Tools. <i>Biological Trace Element Research</i> , 2020, 194, 284-294.	1.9	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.	2.3	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.	1.4	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.	0.7	2
48	Fingermark Analysis by Fourier Transform Infrared Microscopy Using Chemometric Tools. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.3	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.	4.0	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.	3.4	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.	4.2	2
52	Internal and External Validation in SPA-LDA: A Comparative Study Involving Diesel/Biodiesel Blends. <i>NIR News</i> , 2012, 23, 6-8.	1.6	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.	1.6	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