Gomes, Aa Or Gomes A D A

List of Publications by Year
in descending order

57 papers	1,392 citations	430754 18 h-index	345118 36 g-index
57 all docs	57 docs citations	57 times ranked	1457 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	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.	4.2	2
3	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.	2.3	4
4	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.	2.3	16
5	Fingermark Analysis by Fourier Transform Infrared Microscopy Using Chemometric Tools. Brazilian Journal of Analytical Chemistry, 2021, 8, .	0.3	2
6	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
7	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.	4.0	2
8	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.	4.2	6
9	Pharmaceuticals, pesticides and metals/metalloids in Lake GuaÃba in Southern Brazil: Spatial and temporal evaluation and a chemometrics approach. Science of the Total Environment, 2021, 793, 148561.	3.9	18
10	Exploring estimated hydrocarbon composition via gas chromatography and multivariate calibration to predict the pyrolysis gasoline distillation curve. Fuel, 2021, 303, 121298.	3.4	2
11	Mineral Composition Evaluation in Energy Drinks Using ICP OES and Chemometric Tools. Biological Trace Element Research, 2020, 194, 284-294.	1.9	5
12	Chromatographic quantification of seven pesticide residues in vegetable: Univariate and multiway calibration comparison. Microchemical Journal, 2020, 152, 104301.	2.3	10
13	Digital image-based tracing of geographic origin, winemaker, and grape type for red wine authentication. Food Chemistry, 2020, 312, 126060.	4.2	15
14	Ant colony optimization for variable selection in discriminant linear analysis. Journal of Chemometrics, 2020, 34, e3292.	0.7	2
15	Presence of antibiotic resistance genes and its association with antibiotic occurrence in DilÃªvio River in southern Brazil. Science of the Total Environment, 2020, 738, 139781.	3.9	55
16	Comparison of the nonlinear and linear forms of the van't Hoff equation for calculation of adsorption thermodynamic parameters (âˆ†SÂ° and âˆ†HÂ°). Journal of Molecular Liquids, 2020, 311, 113315.	2.3	194
17	Computer-vision based second-order (kinetic-color) data generation: arsenic quantitation in natural waters. Microchemical Journal, 2020, 157, 104916.	2.3	9
18	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

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19	Analytical and preparative chromatographic approaches for extraction of spilanthol from Acmella oleracea flowers. Microchemical Journal, 2020, 157, 105035.	2.3	10
20	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.	1.4	17
21	Determination of ascorbic acid in natural fruit juices using digital image colorimetry. Microchemical Journal, 2019, 149, 104031.	2.3	48
22	Maturation and Maceration Effects on Tropical Red Wines Assessed by Chromatography and Analysis of Variance - Principal Component Analysis. Journal of the Brazilian Chemical Society, 2019, , .	0.6	2
23	Detection oxidative degradation in lubricating oil under storage conditions using digital images and chemometrics. Microchemical Journal, 2019, 147, 622-627.	2.3	14
24	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.	2.0	16
25	The role silica pore structure plays in the performance of modified carbon paste electrodes. Ionics, 2019, 25, 3259-3268.	1.2	10
26	Speciation analysis based on digital image colorimetry: Iron (II/III) in white wine. Talanta, 2019, 194, 86-89.	2.9	43
27	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
28	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
29	A Fast and Inexpensive Chemometric-Assisted Method to Identify Adulteration in Acai (Euterpe) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	18
30	Modeling second-order data for classification issues: Data characteristics, algorithms, processing procedures and applications. TrAC - Trends in Analytical Chemistry, 2018, 107, 151-168.	5.8	27
31	Mixture Design PARAFAC HPLC-DAD Metabolomic Fingerprints of Fractionated Organic and Basic Extracts from Erythrina speciosa Andrews Leaves. Chromatographia, 2018, 81, 1189-1200.	0.7	13
32	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
33	The successive projections algorithm for interval selection in partial least squares discriminant analysis. Analytical Methods, 2016, 8, 7522-7530.	1.3	11
34	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
35	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
36	Using near infrared spectroscopy to classify soybean oil according to expiration date. Food Chemistry, 2016, 196, 539-543.	4.2	19

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37	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
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. Analytical and Bioanalytical Chemistry, 2015, 407, 5649-5659.	1.9	8
39	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
40	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
41	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
42	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
43	Non-Destructive NIR Spectrometric Cultivar Discrimination of Castor Seeds Resulting from Breeding Programs. Journal of the Brazilian Chemical Society, 2014, , .	0.6	2
44	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
45	The successive projections algorithm. TrAC - Trends in Analytical Chemistry, 2013, 42, 84-98.	5.8	193
46	The successive projections algorithm for interval selection in PLS. Microchemical Journal, 2013, 110, 202-208.	2.3	70
47	Screening Analysis of Biodiesel Mixture Feedstock Using near Infrared Spectrometry. NIR News, 2013, 24, 6-10.	1.6	1
48	UV-Vis Spectrometric Detection of Biodiesel/Diesel Blend Adulterations with Soybean Oil. Journal of the Brazilian Chemical Society, 2013, , .	0.6	3
49	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
50	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
51	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
52	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.	0.8	18
53	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
54	Internal and External Validation in SPA-LDA: A Comparative Study Involving Diesel/Biodiesel Blends. NIR News, 2012, 23, 6-8.	1.6	2

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55	Determination of biodiesel content in biodiesel/diesel blends using NIR and visible spectroscopy with variable selection. Talanta, 2011, 87, 30-34.	2.9	49
56	Classification of biodiesel using NIR spectrometry and multivariate techniques. Talanta, 2010, 83, 565-568.	2.9	35
57	Green Chemistry Method Based on PARAFAC EEM Data Modeling for Benzo[a]pyrene Quantitation in Distilled Spirit. Journal of the Brazilian Chemical Society, 0, , .	0.6	2