Felipe Bachion de Santana

List of Publications by Year
in descending order

25 papers	562 citations	686830 13 h-index	642321 23 g-index
25 all docs	25 docs citations	25 times ranked	745 citing authors

#	Article	IF	Citations
1	A comparative study of MIR and NIR spectral models using ball-milled and sieved soil for the prediction of a range soil physical and chemical parameters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121441.	2.0	9
2	Determination of Adulteration of the B10 Blend of Diesel and Crambe Biodiesel Using Proton Nuclear Magnetic Resonance (^{1}H NMR) Spectroscopy with a Data Driven Soft Independent Modeling of Class Analogy (DD-SIMCA) Model. Analytical Letters, 2021, 54, 790-801.	1.0	4
3	Portable NIR spectrometer for quick identification of fat bloom in chocolates. Food Chemistry, 2021, 342, 128267.	4.2	8
4	Monitoring Mineral-Associated Organic Matter in Tropical Pastures using Near Infrared Spectroscopy. Brazilian Journal of Analytical Chemistry, 2021, 8, .	0.3	0
5	Comparison of PLS and SVM models for soil organic matter and particle size using vis-NIR spectral libraries. Geoderma Regional, 2021, 27, e00436.	0.9	30
6	EXPERIMENTO DIDÃTICO DE QUIMIOMETRIA PARA CLASSIFICAÃ‡ÃƒO DE Ã"LEOS VEGETAIS COMESTÃVEIS POR ESPECTROSCOPIA NO INFRAVERMELHO MÃ‰DIO COMBINADO COM ANÃLISE DISCRIMINANTE POR MÃNIMOS QUADRADOS PARCIAIS: UM TUTORIAL, PARTE V. Quimica Nova, 2020, , .	0.3	3
7	Peripheral biomarkers allow differential diagnosis between schizophrenia and bipolar disorder. Journal of Psychiatric Research, 2019, 119, 67-75.	1.5	31
8	Random forest as one-class classifier and infrared spectroscopy for food adulteration detection. Food Chemistry, 2019, 293, 323-332.	4.2	103
9	Removing the moisture effect in soil organic matter determination using NIR spectroscopy and PLSR with external parameter orthogonalization. Microchemical Journal, 2019, 145, 1094-1101.	2.3	33
10	Green methodology for soil organic matter analysis using a national near infrared spectral library in tandem with learning machine. Science of the Total Environment, 2019, 658, 895-900.	3.9	24
11	Rapid Discrimination Between Authentic and Adulterated Andiroba Oil Using FTIR-HATR Spectroscopy and Random Forest. Food Analytical Methods, 2018, 11, 1927-1935.	1.3	23
12	Visible and near infrared spectroscopy coupled to random forest to quantify some soil quality parameters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 191, 454-462.	2.0	75
13	Monitoring of biodiesel content and adulterant presence in methyl and ethyl biodiesels of jatropha in blends with mineral diesel using MIR spectrometry and multivariate control charts. Fuel, 2017, 191, 290-299.	3.4	18
14	Biomarkers of the Caseous Lymphadenitis in Sheep by NMR-Based Metabolomics. Metabolomics: Open Access, 2017, 07, .	0.1	2
15	Non-destructive fraud detection in rosehip oil by MIR spectroscopy and chemometrics. Food Chemistry, 2016, 209, 228-233.	4.2	47
16	Infrared Spectroscopy and Multivariate Calibration for Quantification of Soybean Oil as Adulterant in Biodiesel Fuels. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 777-782.	0.8	10
17	Fast Detection of Adulterants/Contaminants in Biodiesel/Diesel Blend (B5) Employing Mid-Infrared Spectroscopy and PLS-DA. Energy & Fuels, 2015, 29, 227-232.	2.5	22
18	Quantification of adulterations in extra virgin flaxseed oil using MIR and PLS. Food Chemistry, 2015, 182, 35-40.	4.2	29

#	Article	IF	Citations
19	Discrimination of the type of biodiesel/diesel blend (B5) using mid-infrared spectroscopy and PLS-DA. Fuel, 2015, 142, 222-226.	3.4	46
20	Fast Classification of Different Oils and Routes Used in Biodiesel Production Using Mid Infrared Spectroscopy and PLS2-DA. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
21	Use of Mass Spectrometry with Electrospray Ionization and Exploratory Analysis for Classification of Extra Virgin Olive Oil Adulterated with Vegetable Oils. Revista Virtual De Quimica, 2015, 7, 2180-2189.	0.1	2
22	Application of Figures of Merit in Multivariate Methods Validation Biofuels Analysis using Middle Infrared Spectroscopy and PLS. Revista Virtual De Quimica, 2015, 7, 2242-2254.	0.1	2
23	Quantification of Ethanol in Biodiesels Using Mid-Infrared Spectroscopy and Multivariate Calibration. Industrial & Engineering Chemistry Research, 2014, 53, 13575-13580.	1.8	8
24	Quantification of soybean biodiesels in diesel blends according to ASTM E1655 using mid-infrared spectroscopy and multivariate calibration. Fuel, 2014, 117, 1111-1114.	3.4	28
25	Development and Validation of PLS Models for Quantification of Biodiesels Content from Waste Frying Oil in Diesel by HATR-MIR. Revista Virtual De Quimica, 2014, 6, , .	0.1	4