Julio Cesar Laurentino Alves

List of Publications by Year
in descending order

17 papers	434 citations	840119 11 h-index	940134 16 g-index
18 all docs	18 docs citations	18 times ranked	488 citing authors

#	Article	IF	Citations
1	MCR-ALS with correlation constraint and Raman spectroscopy for identification and quantification of biofuels and adulterants in petroleum diesel. Chemometrics and Intelligent Laboratory Systems, 2017, 169, 116-121.	1.8	18
2	Quantification of the contents in biojet fuel blends using near infrared spectroscopy and multivariate calibration. Analytical Methods, 2017, 9, 4616-4621.	1.3	4
3	Quantification of Hydrotreated Vegetable Oil and Biodiesel Contents in Diesel Fuel Blends Using near Infrared Spectroscopy. NIR News, 2016, 27, 4-7.	1.6	2
4	Quantification of conventional and advanced biofuels contents in diesel fuel blends using near-infrared spectroscopy and multivariate calibration. Fuel, 2016, 165, 379-388.	3.4	33
5	Quantification of animal fat biodiesel in soybean biodiesel and B20 diesel blends using near infrared spectroscopy and synergy interval support vector regression. Talanta, 2014, 119, 582-589.	2.9	40
6	Evaluation of trends in residuals of multivariate calibration models by permutation test. Chemometrics and Intelligent Laboratory Systems, 2014, 133, 33-41.	1.8	39
7	Classification of diesel pool refinery streams through near infrared spectroscopy and support vector machines using C-SVC and Î½-SVC. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 389-396.	2.0	20
8	Simultaneous determination of hydrocarbon renewable diesel, biodiesel and petroleum diesel contents in diesel fuel blends using near infrared (NIR) spectroscopy and chemometrics. Analyst, The, 2013, 138, 6477.	1.7	28
9	Pharmaceutical analysis in solids using front face fluorescence spectroscopy and multivariate calibration with matrix correction by piecewise direct standardization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 311-318.	2.0	16
10	Determining the presence of naphthenic and vegetable oils in paraffin-based lubricant oils using near infrared spectroscopy and support vector machines. Analytical Methods, 2013, 5, 6457.	1.3	8
11	Biodiesel content determination in diesel fuel blends using near infrared (NIR) spectroscopy and support vector machines (SVM). Talanta, 2013, 104, 155-161.	2.9	84
12	X-ray Spectroscopy and Chemometric Methods for Real-Time Characterization of Petroleum for the Refining Process through True Boiling Point Curve and American Petroleum Institute Gravity. Energy & Fuels, 2013, 27, 3014-3021.	2.5	8
13	Diesel Oil Quality Parameter Determinations Using Support Vector Regression and near Infrared Spectroscopy for Hydrotreating Feedstock Monitoring. Journal of Near Infrared Spectroscopy, 2012, 20, 419-425.	0.8	15
14	Near Infrared Spectroscopy Combined with Support Vector Machines as a Process Analytical Chemistry Tool at Petroleum Refineries. NIR News, 2012, 23, 8-10.	1.6	4
15	Determination of diesel quality parameters using support vector regression and near infrared spectroscopy for an in-line blending optimizer system. Fuel, 2012, 97, 710-717.	3.4	65
16	Simultaneous determination of acetylsalicylic acid, paracetamol and caffeine using solid-phase molecular fluorescence and parallel factor analysis. Analytica Chimica Acta, 2009, 642, 212-216.	2.6	46
17	Vibrational Spectroscopy for the Quantification of Hydrotreated Vegetable Oil (HVO) Advanced Biofuels in Petroleum-Derived Fuel Blends: A Minireview. Analytical Letters, 0, , 1-18.	1.0	2