

Jez Braga

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2116019/publications.pdf>

Version: 2024-02-01

60
papers

1,596
citations

304368

22
h-index

301761

39
g-index

60
all docs

60
docs citations

60
times ranked

1622
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of a saccharin molecularly imprinted solid-phase extraction procedure and evaluation by MIR hyperspectral imaging for analysis of diet tea by HPLC. Food Chemistry, 2022, 367, 130732.	4.2	7
2	Chemometrics in Bioanalytical Chemistry. , 2022, , 497-541.		1
3	Raman spectroscopy of fingerprints and chemometric analysis for forensic sex determination in humans. Forensic Chemistry, 2022, 27, 100395.	1.7	8
4	Discrimination of white automotive paint samples using ATR-FTIR and PLS-DA for forensic purposes. Talanta, 2022, 240, 123154.	2.9	12
5	Profile of explosives's use in <scp>ATMs</scp>/cash safes robberies in Brazil. Journal of Forensic Sciences, 2022, 67, 1441-1449.	0.9	3
6	Synthesis and evaluation of hybrid molecularly imprinted polymers for selective extraction of saccharin in aqueous medium. Journal of Polymer Research, 2021, 28, 1.	1.2	0
7	Authenticity Identification of Copaiba Oil Using a Handheld NIR Spectrometer and DD-SIMCA. Food Analytical Methods, 2021, 14, 865-872.	1.3	13
8	Identification of mahogany sliced veneer using handheld near-infrared spectroscopy device and multivariate data analysis. IAWA Journal, 2021, 42, 336-347.	0.5	8
9	Correction of the moisture variation in wood NIR spectra for species identification using EPO and soft PLS2-DA. Microchemical Journal, 2021, 171, 106839.	2.3	8
10	Chemometrics in Forensics. , 2020, , 113-148.		1
11	Identification of NBOMe and NBOH in blotter papers using a handheld NIR spectrometer and chemometric methods. Microchemical Journal, 2019, 144, 151-158.	2.3	21
12	Determination of chronological order of crossed lines of ballpoint pens by hyperspectral image in the visible region and multivariate analysis. Forensic Science International, 2019, 296, 91-100.	1.3	16
13	Exploratory Analysis of Automotive Diesel Fuel Stability Test Methods by Infrared Spectroscopy and Parallel Factor Analysis. Energy & Fuels, 2019, 33, 6170-6176.	2.5	1
14	Document ink dye age estimation by direct injection-mass spectrometry and correlation analysis. Microchemical Journal, 2019, 147, 1123-1132.	2.3	10
15	Determination of the country of origin of true mahogany (<i>Swietenia macrophylla</i> King) wood in five Latin American countries using handheld NIR devices and multivariate data analysis. Holzforschung, 2018, 72, 521-530.	0.9	26
16	Error Covariance Penalized Regression: A novel multivariate model combining penalized regression with multivariate error structure. Analytica Chimica Acta, 2018, 1011, 20-27.	2.6	10
17	Rapid Purity Determination of Copaiba Oils by a Portable NIR Spectrometer and PLSR. Food Analytical Methods, 2018, 11, 1867-1877.	1.3	14
18	Implications of measurement error structure on the visualization of multivariate chemical data: hazards and alternatives. Canadian Journal of Chemistry, 2018, 96, 738-748.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Potential field-deployable NIRS identification of seven Dalbergia species listed by CITES. Wood Science and Technology, 2018, 52, 1411-1427.	1.4	38
20	Cocaine and adulterants analysis in seized drug samples by infrared spectroscopy and MCR-ALS. Forensic Science International, 2018, 290, 169-177.	1.3	19
21	Discrimination of whisky brands and counterfeit identification by UV-Vis spectroscopy and multivariate data analysis. Food Chemistry, 2017, 229, 142-151.	4.2	90
22	Optimization of the Functional Characteristics of Cleaning Products Through Experimental Design. Journal of Surfactants and Detergents, 2017, 20, 467-481.	1.0	4
23	Maximum likelihood unfolded principal component regression with residual bilinearization (MLU-PCR/RBL) for second-order multivariate calibration. Chemometrics and Intelligent Laboratory Systems, 2017, 170, 51-57.	1.8	6
24	NIRS IDENTIFICATION OF SWIETENIA MACROPHYLLA IS ROBUST ACROSS SPECIMENS FROM 27 COUNTRIES. IAWA Journal, 2016, 37, 420-430.	2.7	44
25	Near infrared hyperspectral imaging and MCR-ALS applied for mapping chemical composition of the wood specie Swietenia Macrophylla King (Mahogany) at microscopic level. Microchemical Journal, 2016, 124, 356-363.	2.3	22
26	CLASSIFICATION OF MINERAL WATERS BASED ON DIGITAL IMAGES ACQUIRED BY SMARTPHONES. Quimica Nova, 2016, , .	0.3	0
27	Discrimination and quantification of cocaine and adulterants in seized drug samples by infrared spectroscopy and PLSR. Forensic Science International, 2015, 257, 297-306.	1.3	44
28	DISCRIMINATION BETWEEN SIMILAR WOODS BY MOLECULAR FLUORESCENCE AND PARTIAL LEAST SQUARES. Quimica Nova, 2015, , .	0.3	1
29	Exploratory Analysis of the Distribution of Lignin and Cellulose in Woods by Raman Imaging and Chemometrics. Journal of the Brazilian Chemical Society, 2015, , .	0.6	5
30	Discrimination of Black Pen Inks on Writing Documents Using Visible Reflectance Spectroscopy and PLS-DA. Journal of the Brazilian Chemical Society, 2014, , .	0.6	6
31	Quantification of Cocaine Hydrochloride in Seized Drug Samples by Infrared Spectroscopy and PLSR. Journal of the Brazilian Chemical Society, 2014, , .	0.6	2
32	Determination of viscosity index in lubricant oils by infrared spectroscopy and PLSR. Fuel, 2014, 120, 171-178.	3.4	46
33	Non-destructive identification of different types and brands of blue pen inks in cursive handwriting by visible spectroscopy and PLS-DA for forensic analysis. Microchemical Journal, 2014, 116, 235-243.	2.3	61
34	Development and validation of a chemometric method for direct determination of hydrochlorothiazide in pharmaceutical samples by diffuse reflectance near infrared spectroscopy. Microchemical Journal, 2013, 109, 158-164.	2.3	52
35	Correlation of Cocaine Hydrochloride Samples Seized in Brazil Based on Determination of Residual Solvents: An Innovative Chemometric Method for Determination of Linkage Thresholds. Analytical Chemistry, 2013, 85, 2457-2464.	3.2	17
36	Assessment of total phenols and extractives of mahogany wood by near infrared spectroscopy (NIRS). Holzforschung, 2013, 67, 1-8.	0.9	33

#	ARTICLE	IF	CITATIONS
37	Thermal diesel-like analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 865-872.	2.0	7
38	Development and analytical validation of a multivariate calibration method for determination of amoxicillin in suspension formulations by near infrared spectroscopy. <i>Talanta</i> , 2012, 89, 342-351.	2.9	74
39	Demystifying "oxi"cocaine: Chemical profiling analysis of a "new Brazilian drug" from Acre State. <i>Forensic Science International</i> , 2012, 221, 113-119.	1.3	10
40	Determination of vegetable oils and fats adulterants in diesel oil by high performance liquid chromatography and multivariate methods. <i>Journal of Chromatography A</i> , 2012, 1225, 150-157.	1.8	32
41	Near infrared spectroscopy (NIRS) as a potential tool for monitoring trade of similar woods: Discrimination of true mahogany, cedar, andiroba, and curupixã. <i>Holzforchung</i> , 2011, 65, 73-80.	0.9	97
42	The use of near Infrared Spectroscopy to Identify solid wood Specimens of <i>Swietenia Macrophylla</i> 0 (Cites Appendix II). <i>IAWA Journal</i> , 2011, 32, 285-296.	2.7	62
43	Comparison of univariate and multivariate calibration for the determination of micronutrients in pellets of plant materials by laser induced breakdown spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 66-74.	1.5	114
44	Evaluation of the number of factors needed for residual bilinearization in BLLS and UPLS models to achieve the second-order advantage. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 100, 99-109.	1.8	10
45	Evaluation of absorption kinetics of oxygen scavenger sachets using response surface methodology. <i>Packaging Technology and Science</i> , 2010, 23, 351-361.	1.3	18
46	Toxic Metals (Pb and Cd) and Their Respective Antagonists (Ca and Zn) in Infant Formulas and Milk Marketed in Brasilia, Brazil. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 4062-4077.	1.2	28
47	Optimization and validation of a LIBS method for the determination of macro and micronutrients in sugar cane leaves. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1453.	1.6	64
48	Estado da arte de figuras de mÃ©rito em calibraÃ§Ã£o multivariada. <i>Quimica Nova</i> , 2009, 32, 1278-1287.	0.3	59
49	Evaluation of laser induced breakdown spectroscopy for cadmium determination in soils. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 1073-1078.	1.5	53
50	Multivariate curve resolution of pH gradient flow injection mixture analysis with correction of the Schlieren effect. <i>Analyst</i> , 2008, 133, 774.	1.7	14
51	Variable Selection, Outlier Detection, and Figures of Merit Estimation in a Partial Least-Squares Regression Multivariate Calibration Model. A Case Study for the Determination of Quality Parameters in the Alcohol Industry by Near-Infrared Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8331-8338.	2.4	123
52	Validation of multivariate calibration models in the determination of sugar cane quality parameters by near infrared spectroscopy. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, .	0.6	40
53	Determination of pesticides and metabolites in wine by high performance liquid chromatography and second-order calibration methods. <i>Journal of Chromatography A</i> , 2007, 1148, 200-210.	1.8	42
54	Application of genetic algorithm for selection of variables for the BLLS method applied to determination of pesticides and metabolites in wine. <i>Analytica Chimica Acta</i> , 2007, 595, 51-58.	2.6	19

#	ARTICLE	IF	CITATIONS
55	Comparison of variance sources and confidence limits in two PLSR models for determination of the polymorphic purity of carbamazepine. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 80, 50-56.	1.8	2
56	Validação de modelos de calibração multivariada: uma aplicação na determinação de pureza polimórfica de carbamazepina por espectroscopia no infravermelho próximo. <i>Química Nova</i> , 2004, 27, 1004-1011.	0.3	14
57	Figures of merit for the determination of the polymorphic purity of carbamazepine by infrared spectroscopy and multivariate calibration. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2124-2134.	1.6	39
58	Identification of Synthetic Drugs on Seized Blotter Papers Using ATR-FTIR and PLS-DA: Routine Application in a Forensic Laboratory. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	8
59	Avaliação de espectrômetro NIR portátil e PLS-DA para a discriminação de seis espécies similares de madeira amazônicas. <i>Química Nova</i> , 0, , .	0.3	7
60	Detection of Counterfeit Durateston® Using Fourier Transform Infrared Spectroscopy and Partial Least Squares - Discriminant Analysis. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	3