Carolina S Silva

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Near infrared hyperspectral imaging for forensic analysis of document forgery. Analyst, The, 2014, 139, 5176-5184.	3.5	80
2	Classification of blue pen ink using infrared spectroscopy and linear discriminant analysis. Microchemical Journal, 2013, 109, 122-127.	4.5	79
3	Evaluation and identification of blood stains with handheld NIR spectrometer. Microchemical Journal, 2017, 133, 561-566.	4.5	42
4	Projection pursuit and PCA associated with near and middle infrared hyperspectral images to investigate forensic cases of fraudulent documents. Microchemical Journal, 2017, 130, 412-419.	4.5	40
5	Detecting semen stains on fabrics using near infrared hyperspectral images and multivariate models. TrAC - Trends in Analytical Chemistry, 2017, 95, 23-35.	11.4	38
6	Chemometric approaches for document dating: Handling paper variability. Analytica Chimica Acta, 2018, 1031, 28-37.	5.4	30
7	ldentification of Luminescent Markers for Gunshot Residues: Fluorescence, Raman Spectroscopy, and Chemometrics. Analytical Chemistry, 2019, 91, 12444-12452.	6.5	22
8	Procrustes rotation as a diagnostic tool for projection pursuit analysis. Analytica Chimica Acta, 2015, 877, 51-63.	5.4	11
9	Vibrational Spectroscopy and Chemometrics in Forensic Chemistry: Critical Review, Current Trends and Challenges. Journal of the Brazilian Chemical Society, 0, , .	0.6	11
10	Preliminary study on the identification of synthetic cathinones in street seized samples by Raman spectroscopy and chemometrics. Journal of Raman Spectroscopy, 2021, 52, 901-913.	2.5	9
11	Distinguishing cotton seed genotypes by means of vibrational spectroscopic methods (NIR and Raman) and chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 266, 120399.	3.9	9
12	Biological diversity of carbon assimilation among isolates of the yeastDekkera bruxellensisfrom wine and fuel-ethanol industrial processes. FEMS Yeast Research, 2019, 19, .	2.3	7
13	Exploring local spatial features in hyperspectral images. Journal of Chemometrics, 2020, 34, e3295.	1.3	7
14	Multi-stimuli-responsive luminescent MCM48 hybrid for advanced anti-counterfeiting applications. Journal of Materials Chemistry C, 0, , .	5.5	7
15	CHEMOMETRIC STRATEGIES FOR NEAR INFRARED HYPERSPECTRAL IMAGING ANALYSIS: CLASSIFICATION OF SEED GENOTYPES. Analytical Methods, 2021, 13, 5065-5074.	2.7	5
16	Application of luminescent markers to ammunition encoding in forensic routine using a Video Spectral Comparator (VSC). Microchemical Journal, 2020, 159, 105362.	4.5	4
17	Quality by design applied to olanzapine and quetiapine LC-MS/MS bioanalysis. Journal of Chromatographic Science, 2020, 58, 117-126.	1.4	2
18	ldentification of a Zika NS2B epitope as a biomarker for severe clinical phenotypes. RSC Medicinal Chemistry, 2021, 12, 1525-1539.	3.9	2

#	Article	IF	CITATIONS
19	Infrared spectroscopy for document dating - Advantages, challenges and limitations. Talanta Open, 2022, 5, 100102.	3.7	2
20	Chemometrics in Forensics. , 2020, , 113-148.		1
21	A novel proposal to investigate the interplay between the spatial and spectral domains in near-infrared spectral imaging data by means of Image Decomposition, Encoding and Localization (IDEL). Analytica Chimica Acta, 2022, 1191, 339285.	5.4	1
22	Chemometrics in Bioanalytical Chemistry. , 2022, , 497-541.		1
23	Encoding of Luminescent Ink Markers Using Low-Level Data Fusion and Chemometrics. Journal of the Brazilian Chemical Society, 0, , .	0.6	0