

# Carolina S Silva

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22  
papers

287  
citations

8  
h-index

16  
g-index

23  
ext. papers

346  
ext. citations

4.7  
avg, IF

3.19  
L-index

#	Paper	IF	Citations
22	Classification of blue pen ink using infrared spectroscopy and linear discriminant analysis. <i>Microchemical Journal</i> , <b>2013</b> , 109, 122-127	4.8	67
21	Near infrared hyperspectral imaging for forensic analysis of document forgery. <i>Analyst, The</i> , <b>2014</b> , 139, 5176-84	5	62
20	Evaluation and identification of blood stains with handheld NIR spectrometer. <i>Microchemical Journal</i> , <b>2017</b> , 133, 561-566	4.8	33
19	Projection pursuit and PCA associated with near and middle infrared hyperspectral images to investigate forensic cases of fraudulent documents. <i>Microchemical Journal</i> , <b>2017</b> , 130, 412-419	4.8	29
18	Detecting semen stains on fabrics using near infrared hyperspectral images and multivariate models. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 95, 23-35	14.6	25
17	Chemometric approaches for document dating: Handling paper variability. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1031, 28-37	6.6	22
16	Identification of Luminescent Markers for Gunshot Residues: Fluorescence, Raman Spectroscopy, and Chemometrics. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12444-12452	7.8	14
15	Procrustes rotation as a diagnostic tool for projection pursuit analysis. <i>Analytica Chimica Acta</i> , <b>2015</b> , 877, 51-63	6.6	10
14	Vibrational Spectroscopy and Chemometrics in Forensic Chemistry: Critical Review, Current Trends and Challenges. <i>Journal of the Brazilian Chemical Society</i> , <b>2019</b> ,	1.5	5
13	Biological diversity of carbon assimilation among isolates of the yeast <i>Dekkera bruxellensis</i> from wine and fuel-ethanol industrial processes. <i>FEMS Yeast Research</i> , <b>2019</b> , 19,	3.1	4
12	Distinguishing cotton seed genotypes by means of vibrational spectroscopic methods (NIR and Raman) and chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 266, 120399	4.4	4
11	Preliminary study on the identification of synthetic cathinones in street seized samples by Raman spectroscopy and chemometrics. <i>Journal of Raman Spectroscopy</i> , <b>2021</b> , 52, 901-913	2.3	3
10	Exploring local spatial features in hyperspectral images. <i>Journal of Chemometrics</i> , <b>2020</b> , 34, e3295	1.6	2
9	Multi-stimuli-responsive luminescent MCM48 hybrid for advanced anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> ,	7.1	2
8	Chemometric strategies for near infrared hyperspectral imaging analysis: classification of cotton seed genotypes. <i>Analytical Methods</i> , <b>2021</b> , 13, 5065-5074	3.2	2
7	Chemometrics in Forensics <b>2020</b> , 113-148		1
6	Application of luminescent markers to ammunition encoding in forensic routine using a Video Spectral Comparator (VSC). <i>Microchemical Journal</i> , <b>2020</b> , 159, 105362	4.8	1

5	Identification of a Zika NS2B epitope as a biomarker for severe clinical phenotypes. <i>RSC Medicinal Chemistry</i> , <b>2021</b> , 12, 1525-1539	3.5	1
4	Quality by design applied to olanzapine and quetiapine LC-MS/MS bioanalysis. <i>Journal of Chromatographic Science</i> , <b>2020</b> , 58, 117-126	1.4	0
3	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).. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1191, 339285	6.6	0
2	Chemometrics in Bioanalytical Chemistry <b>2022</b> , 497-541		0
1	Infrared spectroscopy for document dating - Advantages, challenges and limitations. <i>Talanta Open</i> , <b>2022</b> , 5, 100102	5.6	0