

Sarmiento Jnior Mazivila

List of Publications by Citations

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|-------------------|-----------------------|----------------|----------------|
| 19 papers | 319 citations | 10 h-index | 17 g-index |
| 21 ext. papers | 393 ext. citations | 6.1 avg, IF | 4.2 L-index |

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 19 | Discrimination of the type of biodiesel/diesel blend (B5) using mid-infrared spectroscopy and PLS-DA. <i>Fuel</i> , 2015 , 142, 222-226 | 7.1 | 43 |
| 18 | Non-destructive fraud detection in rosehip oil by MIR spectroscopy and chemometrics. <i>Food Chemistry</i> , 2016 , 209, 228-33 | 8.5 | 42 |
| 17 | A review on advanced oxidation processes: From classical to new perspectives coupled to two- and multi-way calibration strategies to monitor degradation of contaminants in environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , 2019 , 24, e00072 | 12 | 39 |
| 16 | Chemometrics coupled to vibrational spectroscopy and spectroscopic imaging for the analysis of solid-phase pharmaceutical products: A brief review on non-destructive analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 74-87 | 14.6 | 37 |
| 15 | Quantification of adulterations in extra virgin flaxseed oil using MIR and PLS. <i>Food Chemistry</i> , 2015 , 182, 35-40 | 8.5 | 23 |
| 14 | Detection of melamine and sucrose as adulterants in milk powder using near-infrared spectroscopy with DD-SIMCA as one-class classifier and MCR-ALS as a means to provide pure profiles of milk and of both adulterants with forensic evidence: A short communication. <i>Talanta</i> , 2020 , 216, 120937 | 6.2 | 21 |
| 13 | Trends of non-destructive analytical methods for identification of biodiesel feedstock in diesel-biodiesel blend according to European Commission Directive 2012/0288/EC and detecting diesel-biodiesel blend adulteration: A brief review. <i>Talanta</i> , 2018 , 180, 239-247 | 6.2 | 20 |
| 12 | Fast Detection of Adulterants/Contaminants in Biodiesel/Diesel Blend (B5) Employing Mid-Infrared Spectroscopy and PLS-DA. <i>Energy & Fuels</i> , 2015 , 29, 227-232 | 4.1 | 20 |
| 11 | MVC3_GUI: A MATLAB graphical user interface for third-order multivariate calibration. An upgrade including new multi-way models. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018 , 173, 21-29 | 3.8 | 17 |
| 10 | Rapid Discrimination Between Authentic and Adulterated Andiroba Oil Using FTIR-HATR Spectroscopy and Random Forest. <i>Food Analytical Methods</i> , 2018 , 11, 1927-1935 | 3.4 | 15 |
| 9 | Dual-emission CdTe/AgInS photoluminescence probe coupled to neural network data processing for the simultaneous determination of folic acid and iron (II). <i>Analytica Chimica Acta</i> , 2020 , 1114, 29-41 | 6.6 | 10 |
| 8 | At-line green synthesis monitoring of new pharmaceutical co-crystals lamivudine:theophylline polymorph I and II, quantification of polymorph I among its APIs using FT-IR spectroscopy and MCR-ALS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 169, 235-244 | 3.5 | 8 |
| 7 | Determination of residual automotive lubricant oil and residual solvent used in a dry wash as adulterants in Brazilian S-10 diesel (B7) using mid-infrared spectroscopy data and chemometric methods. <i>Analytical Methods</i> , 2016 , 8, 5427-5434 | 3.2 | 4 |
| 6 | Simultaneous Determination of Medicinal Drugs with Overlapping Profiles Contained in Low Chromatographic Resolution Data using HPLC-DAD and Multivariate Curve Resolution. <i>Current Analytical Chemistry</i> , 2020 , 16, 843-853 | 1.7 | 4 |
| 5 | Portable and benchtop Raman spectrometers coupled to cluster analysis to identify quinine sulfate polymorphs in solid dosage forms and antimalarial drug quantification in solution by AuNPs-SERS with MCR-ALS. <i>Analytical Methods</i> , 2020 , 12, 2407-2421 | 3.2 | 4 |
| 4 | Three-way calibration using PARAFAC and MCR-ALS with previous synchronization of second-order chromatographic data through a new functional alignment of pure vectors for the quantification in the presence of retention time shifts in peak position and shape. <i>Analytica Chimica Acta</i> , 2021 , 1146, 98-108 | 6.6 | 4 |
| 3 | Detection of illegal additives in Brazilian S-10/common diesel B7/5 and quantification of Jatropa biodiesel blended with diesel according to EU 2015/1513 by MIR spectroscopy with DD-SIMCA and MCR-ALS under correlation constraint. <i>Fuel</i> , 2021 , 285, 119159 | 7.1 | 3 |

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| 2 | A tutorial on multi-way data processing of excitation-emission fluorescence matrices acquired from semiconductor quantum dots sensing platforms.. <i>Analytica Chimica Acta</i> , 2022 , 1211, 339216 | 6.6 | 2 |
| 1 | At-line monitoring of salification process of the antiretroviral lamivudine-saccharinate salt using FT-MIR spectroscopy with multivariate curve resolution. <i>Vibrational Spectroscopy</i> , 2020 , 106, 102992 | 2.1 | 2 |