

# Guilherme Lionello Alexandrino

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

416  
citations

759233

12  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

556  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of comprehensive two-dimensional gas chromatography on oil & gas analysis: Recent advances and applications in petroleum industry. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 202-217.	11.4	85
2	Forensic Investigations of Diesel Oil Spills in the Environment Using Comprehensive Two-Dimensional Gas Chromatography–High Resolution Mass Spectrometry and Chemometrics: New Perspectives in the Absence of Recalcitrant Biomarkers. <i>Environmental Science &amp; Technology</i> , 2019, 53, 550-559.	10.0	35
3	NIR imaging spectroscopy for quantification of constituents in polymers thin films loaded with paracetamol. <i>Analytica Chimica Acta</i> , 2013, 765, 37-44.	5.4	28
4	Discriminating Brazilian crude oils using comprehensive two-dimensional gas chromatography–mass spectrometry and multiway principal component analysis. <i>Journal of Chromatography A</i> , 2016, 1472, 99-106.	3.7	28
5	Monitoring of multiple solid-state transformations at tablet surfaces using multi-series near-infrared hyperspectral imaging and multivariate curve resolution. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 224-230.	4.3	27
6	Investigating weathering in light diesel oils using comprehensive two-dimensional gas chromatography–High resolution mass spectrometry and pixel-based analysis: Possibilities and limitations. <i>Journal of Chromatography A</i> , 2019, 1591, 155-161.	3.7	25
7	RGCxGC toolbox: An R-package for data processing in comprehensive two-dimensional gas chromatography-mass spectrometry. <i>Microchemical Journal</i> , 2020, 156, 104830.	4.5	23
8	Near infrared hyperspectral imaging and MCR-ALS applied for mapping chemical composition of the wood specie <i>Swietenia Macrophylla</i> King (Mahogany) at microscopic level. <i>Microchemical Journal</i> , 2016, 124, 356-363.	4.5	22
9	Blood-Based Lipidomics Approach to Evaluate Biomarkers Associated With Response to Olanzapine, Risperidone, and Quetiapine Treatment in Schizophrenia Patients. <i>Frontiers in Psychiatry</i> , 2018, 9, 209.	2.6	21
10	Review: Cyclodextrin Inclusion Complexes Probed by NMR Techniques. , 0, , .		19
11	Changes in the blood plasma lipidome associated with effective or poor response to atypical antipsychotic treatments in schizophrenia patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 101, 109945.	4.8	18
12	Unveiling multiple solid-state transitions in pharmaceutical solid dosage forms using multi-series hyperspectral imaging and different curve resolution approaches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 161, 136-146.	3.5	17
13	GC–HRMS nontarget fingerprinting of organic micropollutants in urban freshwater sediments. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	15
14	Discriminating Lacustrine and Marine Organic Matter Depositional Paleoenvironments of Brazilian Crude Oils Using Comprehensive Two-Dimensional Gas Chromatography–Quadrupole Mass Spectrometry and Supervised Classification Chemometric Approaches. <i>Energy &amp; Fuels</i> , 2017, 31, 170-178.	5.1	11
15	Optimizing loop-type cryogenic modulation in comprehensive two-dimensional gas chromatography using time-variable combination of the dual-stage jets for analysis of crude oil. <i>Journal of Chromatography A</i> , 2018, 1536, 82-87.	3.7	10
16	Comprehensive two-dimensional gas chromatography–mass spectrometry combined with multivariate data analysis for pattern recognition in Ecuadorian spirits. <i>Chemistry Central Journal</i> , 2018, 12, 102.	2.6	8
17	Comprehensive Two-Dimensional Gas Chromatography–Mass Spectrometry/Selected Ion Monitoring (GC–MS/SIM) and Chemometrics to Enhance Inter-Reservoir Geochemical Features of Crude Oils. <i>Energy &amp; Fuels</i> , 2018, 32, 8017-8023.	5.1	8
18	Spectroscopic (fluorescence, 1D-ROESY) and theoretical studies of the thiabendazole and $\beta$ -cyclodextrin inclusion complex. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 75, 93-99.	1.6	6

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19	Classical Least Squares Combined with Spectral Interval Selection Using Genetic Algorithm for Prediction of Constituents in Pharmaceutical Solid Dosage Forms from near Infrared Chemical Imaging Data. Journal of Near Infrared Spectroscopy, 2016, 24, 157-169.	1.5	4
20	MULTIVARIATE CURVE RESOLUTION WITH ALTERNATING LEAST SQUARES: DESCRIPTION, OPERATION AND APLICATIONS. Quimica Nova, 2014, , .	0.3	3
21	Study of the Homogeneity of Drug Loaded in Polymeric Films Using Near-Infrared Chemical Imaging and Split-Plot Design. Journal of Pharmaceutical Sciences, 2014, 103, 2356-2365.	3.3	3