

# Issam Barra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9557010/publications.pdf>

Version: 2024-02-01

14  
papers

304  
citations

933447

10  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

250  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil spectroscopy with the use of chemometrics, machine learning and pre-processing techniques in soil diagnosis: Recent advancesâ€”A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116166.	11.4	71
2	Characterization and classification of PGI Moroccan Argan oils based on their FTIR fingerprints and chemical composition. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 162, 182-190.	3.5	46
3	Predicting cetane number in diesel fuels using FTIR spectroscopy and PLS regression. <i>Vibrational Spectroscopy</i> , 2020, 111, 103157.	2.2	37
4	Fatty-acid profiling vs UV-Visible fingerprints for geographical classification of Moroccan Argan oils. <i>Food Control</i> , 2019, 95, 95-105.	5.5	34
5	FTIR fingerprints associated to a PLS-DA model for rapid detection of smuggled non-compliant diesel marketed in Morocco. <i>Vibrational Spectroscopy</i> , 2019, 101, 40-45.	2.2	19
6	Extra virgin Argan oilsâ€™ shelf-life monitoring and prediction based on chemical properties or FTIR fingerprints and chemometrics. <i>Food Control</i> , 2021, 121, 107607.	5.5	18
7	New insights into the Argan oil categories characterization: Chemical descriptors, FTIR fingerprints, and chemometric approaches. <i>Talanta</i> , 2021, 225, 122073.	5.5	17
8	Discrimination of diesel fuels marketed in Morocco using FTIR, GC-MS analysis and chemometrics methods. <i>Talanta</i> , 2020, 209, 120543.	5.5	15
9	Discrimination and Quantification of Moroccan Gasoline Adulteration with Diesel Using Fourier Transform Infrared Spectroscopy and Chemometric Tools. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 966-970.	1.5	13
10	Classification of polymorphic forms of fluconazole in pharmaceuticals by FT-IR and FT-NIR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 196, 113922.	2.8	12
11	Optimizing setup of scan number in FTIR spectroscopy using the moment distance index and PLS regression: application to soil spectroscopy. <i>Scientific Reports</i> , 2021, 11, 13358.	3.3	12
12	The application of statistical preprocessing on spectral data does not always guarantee the improvement of the predictive quality of multivariate models: Case of soil spectroscopy applied to Moroccan soils. <i>Vibrational Spectroscopy</i> , 2022, 121, 103409.	2.2	5
13	Comparison of green bio-based cerium/alginate vs. copper/alginate beads: a study of vibrational and thermal properties using experimental and theoretical methods. <i>Journal of Molecular Modeling</i> , 2022, 28, 37.	1.8	3
14	Prediction of diesel fuel quality indicators using FT-MIR spectroscopy and chemometrics. <i>Infrared Physics and Technology</i> , 2022, 122, 104096.	2.9	2