

Sophia Mayr

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/853586/publications.pdf>

Version: 2024-02-01

10
papers

279
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical evaluation of spectral information of benchtop vs. portable near-infrared spectrometers: quantum chemistry and two-dimensional correlation spectroscopy for a better understanding of PLS regression models of the rosmarinic acid content in Rosmarini folium. <i>Analyst, The</i> , 2017, 142, 455-464.	3.5	94
2	Theae nigrae folium: Comparing the analytical performance of benchtop and handheld near-infrared spectrometers. <i>Talanta</i> , 2021, 221, 121165.	5.5	39
3	Near-infrared spectroscopy in quality control of Piper nigrum: A comparison of performance of benchtop and handheld spectrometers. <i>Talanta</i> , 2021, 223, 121809.	5.5	36
4	Near-Infrared Spectroscopy as a Rapid Screening Method for the Determination of Total Anthocyanin Content in Sambucus Fructus. <i>Sensors</i> , 2020, 20, 4983.	3.8	29
5	Challenging handheld NIR spectrometers with moisture analysis in plant matrices: Performance of PLSR vs. GPR vs. ANN modelling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119342.	3.9	29
6	Theoretical Simulation of Near-Infrared Spectrum of Piperine: Insight into Band Origins and the Features of Regression Models. <i>Applied Spectroscopy</i> , 2021, 75, 1022-1032.	2.2	20
7	Rapid discrimination of Curcuma longa and Curcuma xanthorrhiza using Direct Analysis in Real Time Mass Spectrometry and Near Infrared Spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120347.	3.9	14
8	Novel Molecular Spectroscopic Multimethod Approach for Monitoring Water Absorption/Desorption Kinetics of CAD/CAM Poly(Methyl Methacrylate) Prosthodontics. <i>Applied Spectroscopy</i> , 2017, 71, 1600-1612.	2.2	6
9	Quantification of Silymarin in Silybi mariani fructus: Challenging the Analytical Performance of Benchtop vs. Handheld NIR Spectrometers on Whole Seeds. <i>Planta Medica</i> , 2022, 88, 20-32.	1.3	6
10	Near-Infrared Spectra of High-Density Crystalline H ₂ O Ices II, IV, V, VI, IX, and XII. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1062-1068.	2.5	6