Sophia Mayr

List of Publications by Year
in descending order

10	279	1307594 7	1372567 10
papers	citations	h-index	g-index

10	10	10	127
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid discrimination of Curcuma longa and Curcuma xanthorrhiza using Direct Analysis in Real Time Mass Spectrometry and Near Infrared Spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120347.	3.9	14
2	Quantification of Silymarin in Silybi mariani fructus: Challenging the Analytical Performance of Benchtop vs. Handheld NIR Spectrometers on Whole Seeds. Planta Medica, 2022, 88, 20-32.	1.3	6
3	Theae nigrae folium: Comparing the analytical performance of benchtop and handheld near-infrared spectrometers. Talanta, 2021, 221, 121165.	5.5	39
4	Near-infrared spectroscopy in quality control of Piper nigrum: A comparison of performance of benchtop and handheld spectrometers. Talanta, 2021, 223, 121809.	5.5	36
5	Challenging handheld NIR spectrometers with moisture analysis in plant matrices: Performance of PLSR vs. GPR vs. ANN modelling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 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. Applied Spectroscopy, 2021, 75, 1022-1032.	2.2	20
7	Near-Infrared Spectra of High-Density Crystalline H₂O Ices II, IV, V, VI, IX, and XII. Journal of Physical Chemistry A, 2021, 125, 1062-1068.	2.5	6
8	Near-Infrared Spectroscopy as a Rapid Screening Method for the Determination of Total Anthocyanin Content in Sambucus Fructus. Sensors, 2020, 20, 4983.	3.8	29
9	Novel Molecular Spectroscopic Multimethod Approach for Monitoring Water Absorption/Desorption Kinetics of CAD/CAM Poly(Methyl Methacrylate) Prosthodontics. Applied Spectroscopy, 2017, 71, 1600-1612.	2.2	6
10	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. Analyst, The, 2017, 142, 455-464.	3.5	94