Stephan Seifert

List of Publications by Year
in descending order

20 papers	722 citations	840776 11 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1168 citing authors

#	Article	IF	Citations
1	Determination of the geographical origin of hazelnuts (Corylus avellana L.) by Near-Infrared spectroscopy (NIR) and a Low-Level Fusion with nuclear magnetic resonance (NMR). Microchemical Journal, 2022, 174, 107066.	4.5	21
2	Opening the Random Forest Black Box of the Metabolome by the Application of Surrogate Minimal Depth. Metabolites, 2022, 12, 5.	2.9	8
3	Impact of Freeze-Drying on the Determination of the Geographical Origin of Almonds (Prunus dulcis) Tj ETQq1 1 0.784314 rgBT /Over	2.6	2
4	Multivariate Raman mapping for phenotypic characterization in plant tissue sections. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 251, 119418.	3.9	6
5	Integrating biological knowledge and gene expression data using pathway-guided random forests: a benchmarking study. Bioinformatics, 2020, 36, 4301-4308.	4.1	8
6	Application of random forest based approaches to surface-enhanced Raman scattering data. Scientific Reports, 2020, 10, 5436.	3.3	42
7	Optical Nanosensing of Lipid Accumulation due to Enzyme Inhibition in Live Cells. ACS Nano, 2019, 13, 9363-9375.	14.6	31
8	Surrogate minimal depth as an importance measure for variables in random forests. Bioinformatics, 2019, 35, 3663-3671.	4.1	26
9	Evaluation of variable selection methods for random forests and omics data sets. Briefings in Bioinformatics, 2019, 20, 492-503.	6.5	342
10	Combining Chemical Information From Grass Pollen in Multimodal Characterization. Frontiers in Plant Science, 2019, 10, 1788.	3.6	18
11	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) shows adaptation of grass pollen composition. Scientific Reports, 2018, 8, 16591.	3.3	9
12	Multivariate Analysis of MALDI Imaging Mass Spectrometry Data of Mixtures of Single Pollen Grains. Journal of the American Society for Mass Spectrometry, 2018, 29, 2237-2247.	2.8	6
13	Physiological influence of silica on germinating pollen as shown by Raman spectroscopy. Journal of Biophotonics, 2017, 10, 542-552.	2.3	14
14	Monitoring of plant–environment interactions by high‐throughput <scp>FTIR</scp> spectroscopy of pollen. Methods in Ecology and Evolution, 2017, 8, 870-880.	5.2	42
15	Simplifying the Preparation of Pollen Grains for MALDI-TOF MS Classification. International Journal of Molecular Sciences, 2017, 18, 543.	4.1	6
16	Identification of aqueous pollen extracts using surface enhanced Raman scattering (SERS) and pattern recognition methods. Journal of Biophotonics, 2016, 9, 181-189.	2.3	43
17	Taxonomic relationships of pollens from matrix‐assisted laser desorption/ionization time‐of‐flight mass spectrometry data using multivariate statistics. Rapid Communications in Mass Spectrometry, 2015, 29, 1145-1154.	1.5	8
18	In situ Characterization of SiO_2 Nanoparticle Biointeractions Using BrightSilica. Advanced Functional Materials, 2014, 24, 3765-3775.	14.9	48

#	Article	IF	Citations
19	Nanoscopic Properties and Application of Mix-and-Match Plasmonic Surfaces for Microscopic SERS. Journal of Physical Chemistry C, 2012, 116, 6859-6865.	3.1	31
20	Matrix-assisted laser desorption/ionization mass spectrometric investigation of pollen and their classification by multivariate statistics. Rapid Communications in Mass Spectrometry, 2012, 26, 1032-1038.	1.5	11