

# Stephan Seifert

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Evaluation of variable selection methods for random forests and omics data sets. <i>Briefings in Bioinformatics</i> , 2019, 20, 492-503.	6.5	342
2	In situ Characterization of SiO <sub>2</sub> Nanoparticle Biointeractions Using BrightSilica. <i>Advanced Functional Materials</i> , 2014, 24, 3765-3775.	14.9	48
3	Identification of aqueous pollen extracts using surface enhanced Raman scattering (SERS) and pattern recognition methods. <i>Journal of Biophotonics</i> , 2016, 9, 181-189.	2.3	43
4	Monitoring of plant-environment interactions by high-throughput FTIR spectroscopy of pollen. <i>Methods in Ecology and Evolution</i> , 2017, 8, 870-880.	5.2	42
5	Application of random forest based approaches to surface-enhanced Raman scattering data. <i>Scientific Reports</i> , 2020, 10, 5436.	3.3	42
6	Nanoscale Properties and Application of Mix-and-Match Plasmonic Surfaces for Microscopic SERS. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6859-6865.	3.1	31
7	Optical Nanosensing of Lipid Accumulation due to Enzyme Inhibition in Live Cells. <i>ACS Nano</i> , 2019, 13, 9363-9375.	14.6	31
8	Surrogate minimal depth as an importance measure for variables in random forests. <i>Bioinformatics</i> , 2019, 35, 3663-3671.	4.1	26
9	Determination of the geographical origin of hazelnuts ( <i>Corylus avellana</i> L.) by Near-Infrared spectroscopy (NIR) and a Low-Level Fusion with nuclear magnetic resonance (NMR). <i>Microchemical Journal</i> , 2022, 174, 107066.	4.5	21
10	Combining Chemical Information From Grass Pollen in Multimodal Characterization. <i>Frontiers in Plant Science</i> , 2019, 10, 1788.	3.6	18
11	Physiological influence of silica on germinating pollen as shown by Raman spectroscopy. <i>Journal of Biophotonics</i> , 2017, 10, 542-552.	2.3	14
12	Matrix-assisted laser desorption/ionization mass spectrometric investigation of pollen and their classification by multivariate statistics. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1032-1038.	1.5	11
13	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) shows adaptation of grass pollen composition. <i>Scientific Reports</i> , 2018, 8, 16591.	3.3	9
14	Taxonomic relationships of pollens from matrix-assisted laser desorption/ionization time-of-flight mass spectrometry data using multivariate statistics. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1145-1154.	1.5	8
15	Integrating biological knowledge and gene expression data using pathway-guided random forests: a benchmarking study. <i>Bioinformatics</i> , 2020, 36, 4301-4308.	4.1	8
16	Opening the Random Forest Black Box of the Metabolome by the Application of Surrogate Minimal Depth. <i>Metabolites</i> , 2022, 12, 5.	2.9	8
17	Simplifying the Preparation of Pollen Grains for MALDI-TOF MS Classification. <i>International Journal of Molecular Sciences</i> , 2017, 18, 543.	4.1	6
18	Multivariate Analysis of MALDI Imaging Mass Spectrometry Data of Mixtures of Single Pollen Grains. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2237-2247.	2.8	6

#	ARTICLE	IF	CITATIONS
19	Multivariate Raman mapping for phenotypic characterization in plant tissue sections. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119418.	3.9	6
20	Impact of Freeze-Drying on the Determination of the Geographical Origin of Almonds ( <i>Prunus dulcis</i> ) Tj ETQq0 0 0 rBT /Overlock 10 Tf	2.6	2