

Murat BaÄcÄ±oÄlu

List of Publications by Year in descending order

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16
papers

494
citations

840585

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docs citations

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592
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of metabolic adaptation and biofilm formation of <i>Actinobacillus pleuropneumoniae</i> field isolates from the upper and lower respiratory tract of swine with respiratory disease. <i>Veterinary Microbiology</i> , 2020, 240, 108532.	0.8	9
2	Machine Learning-Empowered FTIR Spectroscopy Serum Analysis Stratifies Healthy, Allergic, and SIT-Treated Mice and Humans. <i>Biomolecules</i> , 2020, 10, 1058.	1.8	11
3	Discrimination of grass pollen of different species by FTIR spectroscopy of individual pollen grains. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6459-6474.	1.9	16
4	Detection and Identification of <i>Bacillus cereus</i> , <i>Bacillus cytotoxicus</i> , <i>Bacillus thuringiensis</i> , <i>Bacillus mycoides</i> and <i>Bacillus weihenstephanensis</i> via Machine Learning Based FTIR Spectroscopy. <i>Frontiers in Microbiology</i> , 2019, 10, 902.	1.5	57
5	Combining Chemical Information From Grass Pollen in Multimodal Characterization. <i>Frontiers in Plant Science</i> , 2019, 10, 1788.	1.7	18
6	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.	1.6	9
7	Enterotoxin Production of <i>Bacillus thuringiensis</i> Isolates From Biopesticides, Foods, and Outbreaks. <i>Frontiers in Microbiology</i> , 2018, 9, 1915.	1.5	77
8	Observation of Mie ripples in the synchrotron Fourier transform infrared spectra of spheroidal pollen grains. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 1769.	0.8	12
9	A high-throughput FTIR spectroscopy approach to assess adaptive variation in the chemical composition of pollen. <i>Ecology and Evolution</i> , 2017, 7, 10839-10849.	0.8	29
10	Monitoring of plant-environment interactions by high-throughput FTIR spectroscopy of pollen. <i>Methods in Ecology and Evolution</i> , 2017, 8, 870-880.	2.2	42
11	Infrared refractive index dispersion of polymethyl methacrylate spheres from Mie ripples in Fourier-transform infrared microscopy extinction spectra. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, 1687.	0.8	23
12	Analysis of Allergenic Pollen by FTIR Microspectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 803-811.	3.2	47
13	A Multiscale Vibrational Spectroscopic Approach for Identification and Biochemical Characterization of Pollen. <i>PLoS ONE</i> , 2015, 10, e0137899.	1.1	63
14	Whole Grain Consumption Increases Gastrointestinal Content of Sulfate-Conjugated Oxylipins in Pigs - A Multicompartmental Metabolomics Study. <i>Journal of Proteome Research</i> , 2015, 14, 3095-3110.	1.8	7
15	Vibrational microspectroscopy enables chemical characterization of single pollen grains as well as comparative analysis of plant species based on pollen ultrastructure. <i>Planta</i> , 2015, 242, 1237-1250.	1.6	49
16	Recovery of absorbance spectra of micrometer-sized biological and inanimate particles. <i>Analyst</i> , The, 2015, 140, 3273-3284.	1.7	25