

# Tao Dong

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

422  
citations

687220

13  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Soil Nitrogen Using Near Infrared Sensors Based on Soil Pretreatment and Algorithms. <i>Sensors</i> , 2017, 17, 1102.	2.1	43
2	Detection of Water Content in Rapeseed Leaves Using Terahertz Spectroscopy. <i>Sensors</i> , 2017, 17, 2830.	2.1	42
3	Rapid-Detection Sensor for Rice Grain Moisture Based on NIR Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1654.	1.3	40
4	Rapid Determination of Thiabendazole Pesticides in Rape by Surface Enhanced Raman Spectroscopy. <i>Sensors</i> , 2018, 18, 1082.	2.1	37
5	Spectral Characterization and Molecular Dynamics Simulation of Pesticides Based on Terahertz Time-Domain Spectra Analyses and Density Functional Theory (DFT) Calculations. <i>Molecules</i> , 2018, 23, 1607.	1.7	30
6	Predicting pork freshness using multi-index statistical information fusion method based on near infrared spectroscopy. <i>Meat Science</i> , 2018, 146, 59-67.	2.7	27
7	Density Functional Theory Analysis of Deltamethrin and Its Determination in Strawberry by Surface Enhanced Raman Spectroscopy. <i>Molecules</i> , 2018, 23, 1458.	1.7	26
8	Gold Nanoparticles with Different Particle Sizes for the Quantitative Determination of Chlorpyrifos Residues in Soil by SERS. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2817.	1.8	26
9	Spectral Analysis and Sensitive Waveband Determination Based on Nitrogen Detection of Different Soil Types Using Near Infrared Sensors. <i>Sensors</i> , 2018, 18, 523.	2.1	24
10	Research on the Optimum Water Content of Detecting Soil Nitrogen Using Near Infrared Sensor. <i>Sensors</i> , 2017, 17, 2045.	2.1	22
11	Quantitative Determination of Thiabendazole in Soil Extracts by Surface-Enhanced Raman Spectroscopy. <i>Molecules</i> , 2018, 23, 1949.	1.7	21
12	Molecular Characterization and Theoretical Calculation of Plant Growth Regulators Based on Terahertz Time-Domain Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 420.	1.3	14
13	Terahertz Multivariate Spectral Analysis and Molecular Dynamics Simulations of Three Pyrethroid Pesticides. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 1148-1161.	1.2	14
14	Research on the Effects of Drying Temperature on Nitrogen Detection of Different Soil Types by Near Infrared Sensors. <i>Sensors</i> , 2018, 18, 391.	2.1	14
15	Experimental and Theoretical Study on Terahertz Absorption Characteristics and Spectral De-noising of Three Plant Growth Regulators. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 1015-1027.	1.2	12
16	Gold Nanoparticles for Qualitative Detection of Deltamethrin and Carbofuran Residues in Soil by Surface Enhanced Raman Scattering (SERS). <i>International Journal of Molecular Sciences</i> , 2019, 20, 1731.	1.8	12
17	Study of 2,4-D Spectral Characteristics and Its Detection in <i>Zizania Latifolia</i> Using Terahertz Time-Domain Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2248.	1.3	9
18	The Effects of Drying Temperature on Nitrogen Concentration Detection in Calcium Soil Studied by NIR Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 269.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Rapid and Quantitative Determination of Soil Water-Soluble Nitrogen Based on Surface-Enhanced Raman Spectroscopy Analysis. Applied Sciences (Switzerland), 2018, 8, 701.	1.3	2