

Daming Dong

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

533
citations

567281

15
h-index

677142

22
g-index

28
all docs

28
docs citations

28
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing Strawberry Spoilage via its Volatile Compounds Using Longpath Fourier Transform Infrared Spectroscopy. <i>Scientific Reports</i> , 2013, 3, 2585.	3.3	39
2	A Measurement Method on Pesticide Residues of Apple Surface Based on Laser-Induced Breakdown Spectroscopy. <i>Food Analytical Methods</i> , 2014, 7, 1858-1865.	2.6	36
3	Detecting and Mapping Harmful Chemicals in Fruit and Vegetables Using Nanoparticle-Enhanced Laser-Induced Breakdown Spectroscopy. <i>Scientific Reports</i> , 2019, 9, 906.	3.3	35
4	Discrimination of Adulterated Sesame Oil Using Mid-infrared Spectroscopy and Chemometrics. <i>Food Analytical Methods</i> , 2015, 8, 2308-2314.	2.6	32
5	Detection of pesticide residue distribution on fruit surfaces using surface-enhanced Raman spectroscopy imaging. <i>RSC Advances</i> , 2018, 8, 4726-4730.	3.6	32
6	Rapid and real-time analysis of volatile compounds released from food using infrared and laser spectroscopy. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 410-416.	11.4	32
7	Ultrasensitive nanoparticle enhanced laser-induced breakdown spectroscopy using a super-hydrophobic substrate coupled with magnetic confinement. <i>Chemical Communications</i> , 2017, 53, 4546-4549.	4.1	31
8	Stability and accuracy improvement of elements in water using LIBS with geometric constraint liquid-to-solid conversion. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 967-971.	3.0	26
9	Detection of pesticide residues on fruit surfaces using laser induced breakdown spectroscopy. <i>RSC Advances</i> , 2015, 5, 79956-79963.	3.6	25
10	Detection of cadmium in soils using laser-induced breakdown spectroscopy combined with spatial confinement and resin enrichment. <i>RSC Advances</i> , 2018, 8, 39635-39640.	3.6	25
11	The pH effect on the detection of heavy metals in wastewater by laser-induced breakdown spectroscopy coupled with a phase transformation method. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 198-203.	3.0	23
12	Improving the Detection Sensitivity for Laser-Induced Breakdown Spectroscopy: A Review. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	23
13	A laser-induced breakdown spectroscopy-integrated lateral flow strip (LIBS-LFS) sensor for rapid detection of pathogen. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111508.	10.1	20
14	Potential using of infrared thermal imaging to detect volatile compounds released from decayed grapes. <i>PLoS ONE</i> , 2017, 12, e0180649.	2.5	17
15	In-Field, In Situ, and In Vivo 3-Dimensional Elemental Mapping for Plant Tissue and Soil Analysis Using Laser-Induced Breakdown Spectroscopy. <i>Sensors</i> , 2016, 16, 1764.	3.8	16
16	Rapid determination of water COD using laser-induced breakdown spectroscopy coupled with partial least-squares and random forest. <i>Analytical Methods</i> , 2018, 10, 4879-4885.	2.7	15
17	Detecting volatile compounds in food by open-path Fourier-transform infrared spectroscopy. <i>Food Research International</i> , 2019, 119, 968-973.	6.2	15
18	Determining available potassium in soil by laser-induced breakdown spectroscopy combined with cation exchange membrane adsorption. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2697-2703.	3.0	13

#	ARTICLE	IF	CITATIONS
19	Analysis of Volatiles during Grape Deterioration Using FTIR. <i>Acta Chimica Sinica</i> , 2013, 71, 234.	1.4	12
20	Comment on "Nanoparticle Enhanced Laser-Induced Breakdown Spectroscopy for Microdrop Analysis at subppm Level": Several Issues to Consider When Quantitatively Measuring Fluids Using Nanoparticle-Enhanced Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 9869-9870.	6.5	11
21	A molecular laser-induced breakdown spectroscopy technique for the detection of nitrogen in water. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 663-667.	3.0	10
22	Identification of the mango maturity level by the analysis of volatiles based on long optical-path FTIR spectroscopy and a molecular sieve. <i>Analytical Methods</i> , 2017, 9, 2458-2463.	2.7	9
23	Rapid detection of chromium in different valence states in soil using resin selective enrichment coupled with laser-induced breakdown spectroscopy: From laboratory test to portable instruments. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 167, 105817.	2.9	9
24	A novel soil nutrient detection method based on combined ATR and DRIFT mid-infrared spectra. <i>Analytical Methods</i> , 2017, 9, 528-533.	2.7	8
25	Electric Field-Induced Specific Preconcentration to Enhance DNA-Based Electrochemical Sensing of Hg ²⁺ via the Synergy of Enrichment and Self-Cleaning. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7412-7419.	5.2	7
26	Rapid determination of nitrate in drinking water using ion-exchange-enhanced infrared spectroscopy. <i>Journal of Food Process Engineering</i> , 2019, 42, e13164.	2.9	5
27	The application of laser-induced breakdown spectroscopy in domestic detergent residues detection. <i>RSC Advances</i> , 2015, 5, 89164-89170.	3.6	4
28	Non-intrusive prediction of fruit spoilage and storage time via detecting volatiles in sealed packaging using laser spectroscopy. <i>LWT - Food Science and Technology</i> , 2022, 155, 112930.	5.2	3