Daming Dong

List of Publications by Year
in descending order

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	Non-intrusive prediction of fruit spoilage and storage time via detecting volatiles in sealed packaging using laser spectroscopy. LWT - Food Science and Technology, 2022, 155, 112930.	5.2	3
2	A molecular laser-induced breakdown spectroscopy technique for the detection of nitrogen in water. Journal of Analytical Atomic Spectrometry, 2022, 37, 663-667.	3.0	10
3	Electric Field-Induced Specific Preconcentration to Enhance DNA-Based Electrochemical Sensing of Hg²⁺ via the Synergy of Enrichment and Self-Cleaning. Journal of Agricultural and Food Chemistry, 2022, 70, 7412-7419.	5.2	7
4	The pH effect on the detection of heavy metals in wastewater by laser-induced breakdown spectroscopy coupled with a phase transformation method. Journal of Analytical Atomic Spectrometry, 2020, 35, 198-203.	3.0	23
5	Determining available potassium in soil by laser-induced breakdown spectroscopy combined with cation exchange membrane adsorption. Journal of Analytical Atomic Spectrometry, 2020, 35, 2697-2703.	3.0	13
6	Stability and accuracy improvement of elements in water using LIBS with geometric constraint liquid-to-solid conversion. Journal of Analytical Atomic Spectrometry, 2020, 35, 967-971.	3.0	26
7	Improving the Detection Sensitivity for Laser-Induced Breakdown Spectroscopy: A Review. Frontiers in Physics, 2020, 8, .	2.1	23
8	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 167, 105817.	2.9	9
9	A laser-induced breakdown spectroscopy-integrated lateral flow strip (LIBS-LFS) sensor for rapid detection of pathogen. Biosensors and Bioelectronics, 2019, 142, 111508.	10.1	20
10	Detecting and Mapping Harmful Chemicals in Fruit and Vegetables Using Nanoparticle-Enhanced Laser-Induced Breakdown Spectroscopy. Scientific Reports, 2019, 9, 906.	3.3	35
11	Rapid determination of nitrate in drinking water using ionâ€exchangeâ€enhanced infrared spectroscopy. Journal of Food Process Engineering, 2019, 42, e13164.	2.9	5
12	Detecting volatile compounds in food by open-path Fourier-transform infrared spectroscopy. Food Research International, 2019, 119, 968-973.	6.2	15
13	Rapid and real-time analysis of volatile compounds released from food using infrared and laser spectroscopy. TrAC - Trends in Analytical Chemistry, 2019, 110, 410-416.	11.4	32
14	Detection of pesticide residue distribution on fruit surfaces using surface-enhanced Raman spectroscopy imaging. RSC Advances, 2018, 8, 4726-4730.	3.6	32
15	Detection of cadmium in soils using laser-induced breakdown spectroscopy combined with spatial confinement and resin enrichment. RSC Advances, 2018, 8, 39635-39640.	3.6	25
16	Rapid determination of water COD using laser-induced breakdown spectroscopy coupled with partial least-squares and random forest. Analytical Methods, 2018, 10, 4879-4885.	2.7	15
17	A novel soil nutrient detection method based on combined ATR and DRIFT mid-infrared spectra. Analytical Methods, 2017, 9, 528-533.	2.7	8
18	Identification of the mango maturity level by the analysis of volatiles based on long optical-path FTIR spectroscopy and a molecular sieve. Analytical Methods, 2017, 9, 2458-2463.	2.7	9

#	Article	IF	Citations
19	Ultrasensitive nanoparticle enhanced laser-induced breakdown spectroscopy using a super-hydrophobic substrate coupled with magnetic confinement. Chemical Communications, 2017, 53, 4546-4549.	4.1	31
20	Potential using of infrared thermal imaging to detect volatile compounds released from decayed grapes. PLoS ONE, 2017, 12, e0180649.	2.5	17
21	In-Field, In Situ, and In Vivo 3-Dimensional Elemental Mapping for Plant Tissue and Soil Analysis Using Laser-Induced Breakdown Spectroscopy. Sensors, 2016, 16, 1764.	3.8	16
22	Comment on â€œNanoparticle Enhanced Laser-Induced Breakdown Spectroscopy for Microdrop Analysis at subppm Levelâ€• Several Issues to Consider When Quantitatively Measuring Fluids Using Nanoparticle-Enhanced Laser-Induced Breakdown Spectroscopy. Analytical Chemistry, 2016, 88, 9869-9870.	6.5	11
23	Discrimination of Adulterated Sesame Oil Using Mid-infrared Spectroscopy and Chemometrics. Food Analytical Methods, 2015, 8, 2308-2314.	2.6	32
24	Detection of pesticide residues on fruit surfaces using laser induced breakdown spectroscopy. RSC Advances, 2015, 5, 79956-79963.	3.6	25
25	The application of laser-induced breakdown spectroscopy in domestic detergent residues detection. RSC Advances, 2015, 5, 89164-89170.	3.6	4
26	A Measurement Method on Pesticide Residues of Apple Surface Based on Laser-Induced Breakdown Spectroscopy. Food Analytical Methods, 2014, 7, 1858-1865.	2.6	36
27	Analyzing Strawberry Spoilage via its Volatile Compounds Using Longpath Fourier Transform Infrared Spectroscopy. Scientific Reports, 2013, 3, 2585.	3.3	39
28	Analysis of Volatiles during Grape Deterioration Using FTIR. Acta Chimica Sinica, 2013, 71, 234.	1.4	12