Jiyu Peng

List of Publications by Year
in descending order

28	994	394421	552781
papers	citations	19 h-index	26 g-index

28	28	28	1046
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fruit Quality Evaluation Using Spectroscopy Technology: A Review. Sensors, 2015, 15, 11889-11927.	3.8	265
2	Challenging applications for multi-element analysis by laser-induced breakdown spectroscopy in agriculture: A review. TrAC - Trends in Analytical Chemistry, 2016, 85, 260-272.	11.4	107
3	Moisture Influence Reducing Method for Heavy Metals Detection in Plant Materials Using Laser-Induced Breakdown Spectroscopy: A Case Study for Chromium Content Detection in Rice Leaves. Analytical Chemistry, 2017, 89, 7593-7600.	6.5	59
4	Quantitative Analysis of Nutrient Elements in Soil Using Single and Double-Pulse Laser-Induced Breakdown Spectroscopy. Sensors, 2018, 18, 1526.	3.8	52
5	Fast Detection of Copper Content in Rice by Laser-Induced Breakdown Spectroscopy with Uni- and Multivariate Analysis. Sensors, 2018, 18, 705.	3.8	44
6	Fast detection of tobacco mosaic virus infected tobacco using laser-induced breakdown spectroscopy. Scientific Reports, 2017, 7, 44551.	3.3	42
7	Deep Learning Associated with Laser-Induced Breakdown Spectroscopy (LIBS) for the Prediction of Lead in Soil. Applied Spectroscopy, 2019, 73, 565-573.	2.2	38
8	Varietal classification and antioxidant activity prediction of Osmanthus fragrans Lour. flowers using UPLCâ€“PDA/QTOFâ€“MS and multivariable analysis. Food Chemistry, 2017, 217, 490-497.	8.2	33
9	Fast Detection of Striped Stem-Borer (Chilo suppressalis Walker) Infested Rice Seedling Based on Visible/Near-Infrared Hyperspectral Imaging System. Sensors, 2017, 17, 2470.	3.8	33
10	Rapid Determination of Cadmium Contamination in Lettuce Using Laser-Induced Breakdown Spectroscopy. Molecules, 2018, 23, 2930.	3.8	28
11	Fast visualization of distribution of chromium in rice leaves by re-heating dual-pulse laser-induced breakdown spectroscopy and chemometric methods. Environmental Pollution, 2019, 252, 1125-1132.	7.5	28
12	Non-destructive Determination of Shikimic Acid Concentration in Transgenic Maize Exhibiting Glyphosate Tolerance Using Chlorophyll Fluorescence and Hyperspectral Imaging. Frontiers in Plant Science, 2018, 9, 468.	3.6	26
13	Comparative Study of the Detection of Chromium Content in Rice Leaves by 532 nm and 1064 nm Laser-Induced Breakdown Spectroscopy. Sensors, 2018, 18, 621.	3.8	26
14	High-Sensitivity Determination of Nutrient Elements in Panax notoginseng by Laser-induced Breakdown Spectroscopy and Chemometric Methods. Molecules, 2019, 24, 1525.	3.8	26
15	Rapid Identification of Genetically Modified Maize Using Laser-Induced Breakdown Spectroscopy. Food and Bioprocess Technology, 2019, 12, 347-357.	4.7	26
16	High-accuracy and fast determination of chromium content in rice leaves based on collinear dual-pulse laser-induced breakdown spectroscopy and chemometric methods. Food Chemistry, 2019, 295, 327-333.	8.2	24
17	Quantitative Determination of Cd in Soil Using Laser-Induced Breakdown Spectroscopy in Air and Ar Conditions. Molecules, 2018, 23, 2492.	3.8	22
18	Fast Quantification of Honey Adulteration with Laser-Induced Breakdown Spectroscopy and Chemometric Methods. Foods, 2020, 9, 341.	4.3	22

#	Article	IF	Citations
19	Fast Classification of Geographical Origins of Honey Based on Laser-Induced Breakdown Spectroscopy and Multivariate Analysis. Sensors, 2020, 20, 1878.	3.8	22
20	Rapid Identification of Kudzu Powder of Different Origins Using Laser-Induced Breakdown Spectroscopy. Sensors, 2019, 19, 1453.	3.8	19
21	Quantitative Analysis of Cadmium in Tobacco Roots Using Laser-Induced Breakdown Spectroscopy With Variable Index and Chemometrics. Frontiers in Plant Science, 2018, 9, 1316.	3.6	18
22	Rapid Identification of Varieties of Walnut Powder Based on Laser-Induced Breakdown Spectroscopy. Transactions of the ASABE, 2017, 60, 19-28.	1.1	10
23	Origin Discrimination of <scp>Osmanthus fragrans</scp> var. thunbergii Flowers using GCâ€“MS and UPLCâ€PDA Combined with Multivariable Analysis Methods. Phytochemical Analysis, 2017, 28, 305-315.	2.4	7
24	Natural P-gp inhibitor EGCG improves the acteoside absorption in Caco-2Âcell monolayers and increases the oral bioavailability of acteoside in rats. Food and Chemical Toxicology, 2020, 146, 111827.	3.6	6
25	Fast Determination of Copper Content in Tobacco (Nicotina tabacum L.) Leaves Using Laser-Induced Breakdown Spectroscopy with Univariate and Multivariate Analysis. Transactions of the ASABE, 2018, 61, 821-829.	1.1	5
26	An Approach for in-Line Control of Moisture Content During Green Tea Processing. IEEE Access, 2020, 8, 59701-59714.	4.2	5
27	Signal Enhancement in Collinear Double-pulse Laser-induced Breakdown Spectroscopy Applied to the Soils of Magnesium Element. , 2017, , .		1
28	Research on Dynamic Measurement Method of Flow Rate in Tea Processing. Sensors, 2022, 22, 4294.	3.8	0