

# Jiyu Peng

## List of Publications by Year in descending order

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28  
papers

994  
citations

394286

19  
h-index

552653

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g-index

28  
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28  
docs citations

28  
times ranked

1046  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fruit Quality Evaluation Using Spectroscopy Technology: A Review. <i>Sensors</i> , 2015, 15, 11889-11927.	2.1	265
2	Challenging applications for multi-element analysis by laser-induced breakdown spectroscopy in agriculture: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 260-272.	5.8	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. <i>Analytical Chemistry</i> , 2017, 89, 7593-7600.	3.2	59
4	Quantitative Analysis of Nutrient Elements in Soil Using Single and Double-Pulse Laser-Induced Breakdown Spectroscopy. <i>Sensors</i> , 2018, 18, 1526.	2.1	52
5	Fast Detection of Copper Content in Rice by Laser-Induced Breakdown Spectroscopy with Uni- and Multivariate Analysis. <i>Sensors</i> , 2018, 18, 705.	2.1	44
6	Fast detection of tobacco mosaic virus infected tobacco using laser-induced breakdown spectroscopy. <i>Scientific Reports</i> , 2017, 7, 44551.	1.6	42
7	Deep Learning Associated with Laser-Induced Breakdown Spectroscopy (LIBS) for the Prediction of Lead in Soil. <i>Applied Spectroscopy</i> , 2019, 73, 565-573.	1.2	38
8	Varietal classification and antioxidant activity prediction of <i>Osmanthus fragrans</i> Lour. flowers using UPLC-MS and multivariable analysis. <i>Food Chemistry</i> , 2017, 217, 490-497.	4.2	33
9	Fast Detection of Striped Stem-Borer ( <i>Chilo suppressalis</i> Walker) Infested Rice Seedling Based on Visible/Near-Infrared Hyperspectral Imaging System. <i>Sensors</i> , 2017, 17, 2470.	2.1	33
10	Rapid Determination of Cadmium Contamination in Lettuce Using Laser-Induced Breakdown Spectroscopy. <i>Molecules</i> , 2018, 23, 2930.	1.7	28
11	Fast visualization of distribution of chromium in rice leaves by re-heating dual-pulse laser-induced breakdown spectroscopy and chemometric methods. <i>Environmental Pollution</i> , 2019, 252, 1125-1132.	3.7	28
12	Non-destructive Determination of Shikimic Acid Concentration in Transgenic Maize Exhibiting Glyphosate Tolerance Using Chlorophyll Fluorescence and Hyperspectral Imaging. <i>Frontiers in Plant Science</i> , 2018, 9, 468.	1.7	26
13	Comparative Study of the Detection of Chromium Content in Rice Leaves by 532 nm and 1064 nm Laser-Induced Breakdown Spectroscopy. <i>Sensors</i> , 2018, 18, 621.	2.1	26
14	High-Sensitivity Determination of Nutrient Elements in <i>Panax notoginseng</i> by Laser-induced Breakdown Spectroscopy and Chemometric Methods. <i>Molecules</i> , 2019, 24, 1525.	1.7	26
15	Rapid Identification of Genetically Modified Maize Using Laser-Induced Breakdown Spectroscopy. <i>Food and Bioprocess Technology</i> , 2019, 12, 347-357.	2.6	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. <i>Food Chemistry</i> , 2019, 295, 327-333.	4.2	24
17	Quantitative Determination of Cd in Soil Using Laser-Induced Breakdown Spectroscopy in Air and Ar Conditions. <i>Molecules</i> , 2018, 23, 2492.	1.7	22
18	Fast Quantification of Honey Adulteration with Laser-Induced Breakdown Spectroscopy and Chemometric Methods. <i>Foods</i> , 2020, 9, 341.	1.9	22

#	ARTICLE	IF	CITATIONS
19	Fast Classification of Geographical Origins of Honey Based on Laser-Induced Breakdown Spectroscopy and Multivariate Analysis. <i>Sensors</i> , 2020, 20, 1878.	2.1	22
20	Rapid Identification of Kudzu Powder of Different Origins Using Laser-Induced Breakdown Spectroscopy. <i>Sensors</i> , 2019, 19, 1453.	2.1	19
21	Quantitative Analysis of Cadmium in Tobacco Roots Using Laser-Induced Breakdown Spectroscopy With Variable Index and Chemometrics. <i>Frontiers in Plant Science</i> , 2018, 9, 1316.	1.7	18
22	Rapid Identification of Varieties of Walnut Powder Based on Laser-Induced Breakdown Spectroscopy. <i>Transactions of the ASABE</i> , 2017, 60, 19-28.	1.1	10
23	Origin Discrimination of <i>Osmanthus fragrans</i> var. <i>thunbergii</i> Flowers using GC-MS and UPLC-PDA Combined with Multivariable Analysis Methods. <i>Phytochemical Analysis</i> , 2017, 28, 305-315.	1.2	7
24	Natural P-gp inhibitor EGCG improves the acteoside absorption in Caco-2 cell monolayers and increases the oral bioavailability of acteoside in rats. <i>Food and Chemical Toxicology</i> , 2020, 146, 111827.	1.8	6
25	Fast Determination of Copper Content in Tobacco ( <i>Nicotina tabacum</i> L.) Leaves Using Laser-Induced Breakdown Spectroscopy with Univariate and Multivariate Analysis. <i>Transactions of the ASABE</i> , 2018, 61, 821-829.	1.1	5
26	An Approach for in-Line Control of Moisture Content During Green Tea Processing. <i>IEEE Access</i> , 2020, 8, 59701-59714.	2.6	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. <i>Sensors</i> , 2022, 22, 4294.	2.1	0