

# Liu Zhang

## List of Publications by Year in descending order

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18  
papers

384  
citations

840776

11  
h-index

888059

17  
g-index

18  
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18  
docs citations

18  
times ranked

289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral imaging technology combined with deep forest model to identify frost-damaged rice seeds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117973.	3.9	47
2	Occurrence, source identification and ecological risk evaluation of metal elements in surface sediment: toward a comprehensive understanding of heavy metal pollution in Chaohu Lake, Eastern China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 307-314.	5.3	46
3	Hierarchical architected MnCO <sub>3</sub> microdumbbells: facile synthesis and enhanced performance for lithium ion batteries. <i>CrystEngComm</i> , 2015, 17, 6450-6455.	2.6	45
4	Near-infrared hyperspectral imaging technology combined with deep convolutional generative adversarial network to predict oil content of single maize kernel. <i>Food Chemistry</i> , 2022, 370, 131047.	8.2	42
5	NIR Hyperspectral Imaging Technology Combined with Multivariate Methods to Study the Residues of Different Concentrations of Omethoate on Wheat Grain Surface. <i>Sensors</i> , 2019, 19, 3147.	3.8	26
6	Non-destructive identification of slightly sprouted wheat kernels using hyperspectral data on both sides of wheat kernels. <i>Biosystems Engineering</i> , 2020, 200, 188-199.	4.3	26
7	Identification of soybean varieties based on hyperspectral imaging technology and one-dimensional convolutional neural network. <i>Journal of Food Process Engineering</i> , 2021, 44, e13767.	2.9	25
8	Discrimination of unsound wheat kernels based on deep convolutional generative adversarial network and near-infrared hyperspectral imaging technology. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120722.	3.9	25
9	Identification of wheat grain in different states based on hyperspectral imaging technology. <i>Spectroscopy Letters</i> , 2019, 52, 356-366.	1.0	24
10	Advances in infrared spectroscopy and hyperspectral imaging combined with artificial intelligence for the detection of cereals quality. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 9766-9796.	10.3	19
11	Hyperspectral imaging technology combined with multivariate data analysis to identify heat-damaged rice seeds. <i>Spectroscopy Letters</i> , 2020, 53, 207-221.	1.0	14
12	Determination of moisture content in barley seeds based on hyperspectral imaging technology. <i>Spectroscopy Letters</i> , 2020, 53, 751-762.	1.0	11
13	Identification of rice-weevil ( <i>Sitophilus oryzae</i> L.) damaged wheat kernels using multi-angle NIR hyperspectral data. <i>Journal of Cereal Science</i> , 2021, 101, 103313.	3.7	11
14	Identification and determination of the contribution of iron steel manufacturing industry to sediment-associated polycyclic aromatic hydrocarbons (PAHs) in a large shallow lake of eastern China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22037-22046.	5.3	8
15	Organochlorine Pesticides in Sediments around Chaohu Lake: Concentration Levels and Vertical Distribution. <i>Soil and Sediment Contamination</i> , 2016, 25, 195-209.	1.9	6
16	In situ synthesis of crosslinked-polyaniline nano-pillar arrays/reduced graphene oxide nanocomposites for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 665-671.	2.5	5
17	Nondestructive identification of barley seeds varieties using hyperspectral data from two sides of barley seeds. <i>Journal of Food Process Engineering</i> , 2021, 44, e13769.	2.9	3
18	A vector-based improved geographic information routing protocol. , 2017, , .		1