Liu Zhang

List of Publications by Year
in descending order

18	384	840776 11	888059 17
papers	citations	h-index	g-index

18	18	18	289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in infrared spectroscopy and hyperspectral imaging combined with artificial intelligence for the detection of cereals quality. Critical Reviews in Food Science and Nutrition, 2023, 63, 9766-9796.	10.3	19
2	Near-infrared hyperspectral imaging technology combined with deep convolutional generative adversarial network to predict oil content of single maize kernel. Food Chemistry, 2022, 370, 131047.	8.2	42
3	Discrimination of unsound wheat kernels based on deep convolutional generative adversarial network and near-infrared hyperspectral imaging technology. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 268, 120722.	3.9	25
4	Nondestructive identification of barley seeds varieties using hyperspectral data from two sides of barley seeds. Journal of Food Process Engineering, 2021, 44, e13769.	2.9	3
5	Identification of soybean varieties based on hyperspectral imaging technology and oneâ€dimensional convolutional neural network. Journal of Food Process Engineering, 2021, 44, e13767.	2.9	25
6	Identification of rice-weevil (Sitophilus oryzae L.) damaged wheat kernels using multi-angle NIR hyperspectral data. Journal of Cereal Science, 2021, 101, 103313.	3.7	11
7	Hyperspectral imaging technology combined with deep forest model to identify frost-damaged rice seeds. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117973.	3.9	47
8	Non-destructive identification of slightly sprouted wheat kernels using hyperspectral data on both sides of wheat kernels. Biosystems Engineering, 2020, 200, 188-199.	4.3	26
9	Determination of moisture content in barley seeds based on hyperspectral imaging technology. Spectroscopy Letters, 2020, 53, 751-762.	1.0	11
10	Hyperspectral imaging technology combined with multivariate data analysis to identify heat-damaged rice seeds. Spectroscopy Letters, 2020, 53, 207-221.	1.0	14
11	Identification of wheat grain in different states based on hyperspectral imaging technology. Spectroscopy Letters, 2019, 52, 356-366.	1.0	24
12	NIR Hyperspectral Imaging Technology Combined with Multivariate Methods to Study the Residues of Different Concentrations of Omethoate on Wheat Grain Surface. Sensors, 2019, 19, 3147.	3.8	26
13	A vector-based improved geographic information routing protocol. , 2017, , .		1
14	Identification and determination of the contribution of ironâ€“steel manufacturing industry to sediment-associated polycyclic aromatic hydrocarbons (PAHs) in a large shallow lake of eastern China. Environmental Science and Pollution Research, 2016, 23, 22037-22046.	5.3	8
15	Organochlorine Pesticides in Sediments around Chaohu Lake: Concentration Levels and Vertical Distribution. Soil and Sediment Contamination, 2016, 25, 195-209.	1.9	6
16	In situ synthesis of crosslinked-polyaniline nano-pillar arrays/reduced graphene oxide nanocomposites for supercapacitors. Journal of Solid State Electrochemistry, 2016, 20, 665-671.	2.5	5
17	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. Environmental Science and Pollution Research, 2016, 23, 307-314.	5.3	46
18	Hierarchical architectured MnCO3 microdumbbells: facile synthesis and enhanced performance for lithium ion batteries. CrystEngComm, 2015, 17, 6450-6455.	2.6	45