

Xin Zhou

List of Publications by Year in descending order

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papers

986
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547
citing authors

#	ARTICLE	IF	CITATIONS
1	TLR1 in Nile tilapia: The conserved receptor cannot interact with MyD88 and TIRAP but can activate NF- κ B in vitro. <i>Developmental and Comparative Immunology</i> , 2022, 127, 104300.	1.0	7
2	Detection of heavy metal lead in lettuce leaves based on fluorescence hyperspectral technology combined with deep learning algorithm. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120460.	2.0	33
3	DDX43 recruits TRIF or IPS-1 as an adaptor and activates the IFN- γ pathway in Nile tilapia (<i>Oreochromis Tj</i>). <i>ETQq1</i> 1.0, 0.784314, 1.0, 6, rgBT /C	1.0	6
4	A comparative analysis of hybrid SVM and LS-SVM classification algorithms to identify dried wolfberry fruits quality based on hyperspectral imaging technology. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	0.9	11
5	Non-destructive detection of egg qualities based on hyperspectral imaging. <i>Journal of Food Engineering</i> , 2022, 325, 111024.	2.7	36
6	Nondestructive detection of total soluble solids in grapes using VMD-RC and hyperspectral imaging. <i>Journal of Food Science</i> , 2022, 87, 326-338.	1.5	11
7	Development of Simplified Models for Non-Destructive Hyperspectral Imaging Monitoring of S-ovalbumin Content in Eggs during Storage. <i>Foods</i> , 2022, 11, 2024.	1.9	5
8	Nondestructive evaluation of Zn content in rape leaves using MSSAE and hyperspectral imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121641.	2.0	10
9	Detection for lead pollution level of lettuce leaves based on deep belief network combined with hyperspectral image technology. <i>Journal of Food Safety</i> , 2021, 41, .	1.1	15
10	Identification of tea white star disease and anthrax based on hyperspectral image information. <i>Journal of Food Process Engineering</i> , 2021, 44, .	1.5	9
11	Identification of <i>Lycium barbarum</i> varieties based on hyperspectral imaging technique and competitive adaptive reweighted sampling whale optimization algorithm support vector machine. <i>Journal of Food Process Engineering</i> , 2021, 44, .	1.5	21
12	Classification of tea varieties based on fluorescence hyperspectral image technology and ABC-SVM algorithm. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15241.	0.9	16
13	Nondestructive detection for egg freshness based on hyperspectral imaging technology combined with harris hawks optimization support vector regression. <i>Journal of Food Safety</i> , 2021, 41, e12888.	1.1	10
14	Research on nondestructive identification of grape varieties based on EEMD-DWT and hyperspectral image. <i>Journal of Food Science</i> , 2021, 86, 2011-2023.	1.5	20
15	Nondestructive detection for Panax notoginseng powder grades based on hyperspectral imaging technology combined with CARS-PCA and MPA-LSSVM. <i>Journal of Food Process Engineering</i> , 2021, 44, e13718.	1.5	14
16	A method of information fusion for identification of rice seed varieties based on hyperspectral imaging technology. <i>Journal of Food Process Engineering</i> , 2021, 44, e13797.	1.5	7
17	Nondestructive detection of lead content in oilseed rape leaves based on MRF-HHO-SVR and hyperspectral technology. <i>Journal of Food Process Engineering</i> , 2021, 44, e13793.	1.5	10
18	Visualization of heavy metal cadmium in lettuce leaves based on wavelet support vector machine regression model and visible-near infrared hyperspectral imaging. <i>Journal of Food Process Engineering</i> , 2021, 44, e13897.	1.5	6

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19	Classification of heavy metal Cd stress in lettuce leaves based on WPCA algorithm and fluorescence hyperspectral technology. <i>Infrared Physics and Technology</i> , 2021, 119, 103936.	1.3	13
20	Identification of living and non-living watermelon seeds based on Hyperspectral Imaging Technology. , 2021, , .		1
21	Development of deep learning method for lead content prediction of lettuce leaf using hyperspectral images. <i>International Journal of Remote Sensing</i> , 2020, 41, 2263-2276.	1.3	32
22	Nondestructive determination of the total mold colony count in green tea by hyperspectral imaging technology. <i>Journal of Food Process Engineering</i> , 2020, 43, e13570.	1.5	16
23	Hyperspectral technique combined with deep learning algorithm for detection of compound heavy metals in lettuce. <i>Food Chemistry</i> , 2020, 321, 126503.	4.2	84
24	Classification detection of saccharin jujube based on hyperspectral imaging technology. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14591.	0.9	14
25	A deep learning based regression method on hyperspectral data for rapid prediction of cadmium residue in lettuce leaves. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 200, 103996.	1.8	51
26	Nondestructive detection for egg freshness grade based on hyperspectral imaging technology. <i>Journal of Food Process Engineering</i> , 2020, 43, e13422.	1.5	36
27	Research on apple origin classification based on variable iterative space shrinkage approach with stepwise regression support vector machine algorithm and visible near infrared hyperspectral imaging. <i>Journal of Food Process Engineering</i> , 2020, 43, e13432.	1.5	10
28	Research on moldy tea feature classification based on WKNN algorithm and NIR hyperspectral imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 378-383.	2.0	28
29	Research and analysis of cadmium residue in tomato leaves based on WT-LSSVR and Vis-NIR hyperspectral imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 215-221.	2.0	46
30	Natural variations in the MYB transcription factor <i>MYB31</i> determine the evolution of extremely pungent peppers. <i>New Phytologist</i> , 2019, 223, 922-938.	3.5	72
31	Spectral classification of lettuce cadmium stress based on information fusion and VISSA-GO-SVM algorithm. <i>Journal of Food Process Engineering</i> , 2019, 42, e13085.	1.5	18
32	Visualizing distribution of moisture content in tea leaves using optimization algorithms and NIR hyperspectral imaging. <i>Computers and Electronics in Agriculture</i> , 2019, 160, 153-159.	3.7	81
33	Application of deep brief network in transmission spectroscopy detection of pesticide residues in lettuce leaves. <i>Journal of Food Process Engineering</i> , 2019, 42, e13005.	1.5	15
34	Visualization research of moisture content in leaf lettuce leaves based on WT-PLSR and hyperspectral imaging technology. <i>Journal of Food Process Engineering</i> , 2018, 41, e12647.	1.5	38
35	Quantitative detection of moisture content in rice seeds based on hyperspectral technique. <i>Journal of Food Process Engineering</i> , 2018, 41, e12916.	1.5	15
36	Study on pesticide residues classification of lettuce leaves based on polarization spectroscopy. <i>Journal of Food Process Engineering</i> , 2018, 41, e12903.	1.5	5

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37	Discrimination of pesticide residues in lettuce based on chemical molecular structure coupled with wavelet transform and near infrared hyperspectra. <i>Journal of Food Process Engineering</i> , 2017, 40, e12509.	1.5	29
38	Classification of different kinds of pesticide residues on lettuce based on fluorescence spectra and WTâ€“BCCâ€“SVM algorithm. <i>Modern Physics Letters B</i> , 2017, 31, 1740082.	1.0	8
39	Visualizing distribution of pesticide residues in mulberry leaves using NIR hyperspectral imaging. <i>Journal of Food Process Engineering</i> , 2017, 40, e12510.	1.5	20
40	Identification of moisture content in tobacco plant leaves using outlier sample eliminating algorithms and hyperspectral data. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 226-232.	1.0	20
41	Calciumâ€“calmodulin dependent protein kinase I from <i>Macrobrachium nipponense</i> : cDNA cloning and involvement in molting. <i>Gene</i> , 2014, 538, 235-243.	1.0	9
42	In-Depth Transcriptome Analysis of the Red Swamp Crayfish <i>Procambarus clarkii</i> . <i>PLoS ONE</i> , 2014, 9, e110548.	1.1	62
43	Participation of calmodulin in ovarian maturation induced by eyestalk ablation in red swamp crayfish <i>Procambarus clarkii</i> . <i>Aquaculture Research</i> , 2013, 44, 1625-1631.	0.9	13
44	Detection of soluble solid content in apples based on hyperspectral technology combined with deep learning algorithm. <i>Journal of Food Processing and Preservation</i> , 0, , .	0.9	3