

Yan Tian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

432
citations

13
h-index

19
g-index

41
ext. papers

715
ext. citations

3
avg, IF

4.09
L-index

#	Paper	IF	Citations
36	Non-destructive detection of egg qualities based on hyperspectral imaging. <i>Journal of Food Engineering</i> , 2022 , 325, 111024	6	2
35	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	2.7	0
34	Research on nondestructive identification of grape varieties based on EEMD-DWT and hyperspectral image. <i>Journal of Food Science</i> , 2021 , 86, 2011-2023	3.4	4
33	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	2.4	1
32	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	2.4	2
31	Identification of Lycium barbarum 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,	2.4	4
30	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	2.1	4
29	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	2	2
28	Feature selection and classification of noisy proteomics mass spectrometry data based on one-bit perturbed compressed sensing. <i>Bioinformatics</i> , 2020 , 36, 4423-4431	7.2	2
27	Hyperspectral technique combined with deep learning algorithm for detection of compound heavy metals in lettuce. <i>Food Chemistry</i> , 2020 , 321, 126503	8.5	38
26	Nondestructive detection for moisture content in green tea based on dielectric properties and VISSA-GWO-SVR algorithm. <i>Journal of Food Processing and Preservation</i> , 2020 , 44, e14421	2.1	6
25	Nondestructive detection for egg freshness grade based on hyperspectral imaging technology. <i>Journal of Food Process Engineering</i> , 2020 , 43, e13422	2.4	14
24	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	2.4	5
23	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	3.1	16
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	2.4	7
21	Spectral classification of lettuce cadmium stress based on information fusion and VISSA-GOA-SVM algorithm. <i>Journal of Food Process Engineering</i> , 2019 , 42, e13085	2.4	10
20	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	6.5	47

19	Grade Identification of Tieguanyin Tea Using Fluorescence Hyperspectra and Different Statistical Algorithms. <i>Journal of Food Science</i> , 2019 , 84, 2234-2241	3.4	15
18	Classification of oolong tea varieties based on hyperspectral imaging technology and BOSS-LightGBM model. <i>Journal of Food Process Engineering</i> , 2019 , 42, e13289	2.4	9
17	Fluorescence hyperspectral image technique coupled with HSI method to predict solanine content of potatoes. <i>Journal of Food Processing and Preservation</i> , 2019 , 43, e14198	2.1	7
16	Estimating cadmium content in lettuce leaves based on deep brief network and hyperspectral imaging technology. <i>Journal of Food Process Engineering</i> , 2019 , 42, e13293	2.4	5
15	Discrimination of tea varieties using FTIR spectroscopy and allied Gustafson-Kessel clustering. <i>Computers and Electronics in Agriculture</i> , 2018 , 147, 64-69	6.5	18
14	Quantitative detection of mixed pesticide residue of lettuce leaves based on hyperspectral technique. <i>Journal of Food Process Engineering</i> , 2018 , 41, e12654	2.4	20
13	Research of moldy tea identification based on RF-RFE-Softmax model and hyperspectra. <i>Optik</i> , 2018 , 153, 156-163	2.5	8
12	Identification of pesticide residues in lettuce leaves based on near infrared transmission spectroscopy. <i>Journal of Food Process Engineering</i> , 2018 , 41, e12816	2.4	12
11	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	2.4	22
10	Quantitative Analysis of Cadmium Content in Tomato Leaves Based on Hyperspectral Image and Feature Selection. <i>Applied Engineering in Agriculture</i> , 2018 , 34, 789-798	0.8	6
9	Nondestructive identification of green tea varieties based on hyperspectral imaging technology. <i>Journal of Food Process Engineering</i> , 2018 , 41, e12800	2.4	12
8	A Method for Rapid Identification of Rice Origin by Hyperspectral Imaging Technology. <i>Journal of Food Process Engineering</i> , 2017 , 40, e12297	2.4	30
7	Quantitative determination of rice starch based on hyperspectral imaging technology. <i>International Journal of Food Properties</i> , 2017 , 20, S1037-S1044	3	12
6	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	2.4	19
5	Visualizing distribution of pesticide residues in mulberry leaves using NIR hyperspectral imaging. <i>Journal of Food Process Engineering</i> , 2017 , 40, e12510	2.4	13
4	Quantitative Determination of Rice Moisture Based on Hyperspectral Imaging Technology and BCC-LS-SVR Algorithm. <i>Journal of Food Process Engineering</i> , 2017 , 40, e12446	2.4	23
3	Classification of Black Beans Using Visible and Near Infrared Hyperspectral Imaging. <i>International Journal of Food Properties</i> , 2016 , 19, 1687-1695	3	25
2	An illustrated heuristic prototype facilitates scientific inventive problem solving: A functional magnetic resonance imaging study. <i>Consciousness and Cognition</i> , 2015 , 34, 43-51	2.6	7

- 1 Visualization of heavy metal cadmium in lettuce leaves based on wavelet support vector machine regression model and visible-near infrared hyperspectral imaging. *Journal of Food Process Engineering*,e13897

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