Yan Tian

List of Publications by Citations

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	Visualizing distribution of moisture content in tea leaves using optimization algorithms and NIR hyperspectral imaging. *Computers and Electronics in Agriculture*, **2019**, 160, 153-159	6.5	47
35	Hyperspectral technique combined with deep learning algorithm for detection of compound heavy metals in lettuce. *Food Chemistry*, **2020**, 321, 126503	8.5	38
34	A Method for Rapid Identification of Rice Origin by Hyperspectral Imaging Technology. *Journal of Food Process Engineering*, **2017**, 40, e12297	2.4	30
33	Classification of Black Beans Using Visible and Near Infrared Hyperspectral Imaging. *International Journal of Food Properties*, **2016**, 19, 1687-1695	3	25
32	Quantitative Determination of Rice Moisture Based on Hyperspectral Imaging Technology and BCC-LS-SVR Algorithm. *Journal of Food Process Engineering*, **2017**, 40, e12446	2.4	23
31	Visualization research of moisture content in leaf lettuce leaves based on WT-PLSR and hyperspectral imaging technology. *Journal of Food Process Engineering*, **2018**, 41, e12647	2.4	22
30	Quantitative detection of mixed pesticide residue of lettuce leaves based on hyperspectral technique. *Journal of Food Process Engineering*, **2018**, 41, e12654	2.4	20
29	Discrimination of pesticide residues in lettuce based on chemical molecular structure coupled with wavelet transform and near infrared hyperspectra. *Journal of Food Process Engineering*, **2017**, 40, e12509	2.4	19
28	Discrimination of tea varieties using FTIR spectroscopy and allied Gustafson-Kessel clustering. *Computers and Electronics in Agriculture*, **2018**, 147, 64-69	6.5	18
27	Development of deep learning method for lead content prediction of lettuce leaf using hyperspectral images. *International Journal of Remote Sensing*, **2020**, 41, 2263-2276	3.1	16
26	Grade Identification of Tieguanyin Tea Using Fluorescence Hyperspectra and Different Statistical Algorithms. *Journal of Food Science*, **2019**, 84, 2234-2241	3.4	15
25	Nondestructive detection for egg freshness grade based on hyperspectral imaging technology. *Journal of Food Process Engineering*, **2020**, 43, e13422	2.4	14
24	Visualizing distribution of pesticide residues in mulberry leaves using NIR hyperspectral imaging. *Journal of Food Process Engineering*, **2017**, 40, e12510	2.4	13
23	Quantitative determination of rice starch based on hyperspectral imaging technology. *International Journal of Food Properties*, **2017**, 20, S1037-S1044	3	12
22	Identification of pesticide residues in lettuce leaves based on near infrared transmission spectroscopy. *Journal of Food Process Engineering*, **2018**, 41, e12816	2.4	12
21	Nondestructive identification of green tea varieties based on hyperspectral imaging technology. *Journal of Food Process Engineering*, **2018**, 41, e12800	2.4	12
20	Spectral classification of lettuce cadmium stress based on information fusion and VISSA-GOA-SVM algorithm. *Journal of Food Process Engineering*, **2019**, 42, e13085	2.4	10

19	Classification of oolong tea varieties based on hyperspectral imaging technology and BOSS-LightGBM model. *Journal of Food Process Engineering*, **2019**, 42, e13289	2.4	9
18	Research of moldy tea identification based on RF-RFE-Softmax model and hyperspectra. *Optik*, **2018**, 153, 156-163	2.5	8
17	An illustrated heuristic prototype facilitates scientific inventive problem solving: A functional magnetic resonance imaging study. *Consciousness and Cognition*, **2015**, 34, 43-51	2.6	7
16	Fluorescence hyperspectral image technique coupled with HSI method to predict solanine content of potatoes. *Journal of Food Processing and Preservation*, **2019**, 43, e14198	2.1	7
15	Nondestructive determination of the total mold colony count in green tea by hyperspectral imaging technology. *Journal of Food Process Engineering*, **2020**, 43, e13570	2.4	7
14	Nondestructive detection for moisture content in green tea based on dielectric properties and VISSA-GWO-SVR algorithm. *Journal of Food Processing and Preservation*, **2020**, 44, e14421	2.1	6
13	Quantitative Analysis of Cadmium Content in Tomato Leaves Based on Hyperspectral Image and Feature Selection. *Applied Engineering in Agriculture*, **2018**, 34, 789-798	0.8	6
12	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. *Journal of Food Process Engineering*, **2020**, 43, e13432	2.4	5
11	Estimating cadmium content in lettuce leaves based on deep brief network and hyperspectral imaging technology. *Journal of Food Process Engineering*, **2019**, 42, e13293	2.4	5
10	Research on nondestructive identification of grape varieties based on EEMD-DWT and hyperspectral image. *Journal of Food Science*, **2021**, 86, 2011-2023	3.4	4
9	Identification of Lycium barbarum varieties based on hyperspectral imaging technique and competitive adaptive reweighted sampling - whale optimization algorithm - support vector machine. *Journal of Food Process Engineering*, **2021**, 44,	2.4	4
8	Classification of tea varieties based on fluorescence hyperspectral image technology and ABC-SVM algorithm. *Journal of Food Processing and Preservation*, **2021**, 45, e15241	2.1	4
7	Feature selection and classification of noisy proteomics mass spectrometry data based on one-bit perturbed compressed sensing. *Bioinformatics*, **2020**, 36, 4423-4431	7.2	2
6	A method of information fusion for identification of rice seed varieties based on hyperspectral imaging technology. *Journal of Food Process Engineering*, **2021**, 44, e13797	2.4	2
5	Nondestructive detection for egg freshness based on hyperspectral imaging technology combined with harris hawks optimization support vector regression. *Journal of Food Safety*, **2021**, 41, e12888	2	2
4	Non-destructive detection of egg qualities based on hyperspectral imaging. *Journal of Food Engineering*, **2022**, 325, 111024	6	2
3	Nondestructive detection for Panax notoginseng powder grades based on hyperspectral imaging technology combined with CARS-PCA and MPA-LSSVM. *Journal of Food Process Engineering*, **2021**, 44, e13718	2.4	1
2	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	2.4	0

1	Classification of heavy metal Cd stress in lettuce leaves based on WPCA algorithm and fluorescence hyperspectral technology. *Infrared Physics and Technology*, **2021**, 119, 103936	2.7	0