

Yong He

List of Publications by Year in descending order

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577
papers

21,833
citations

9254

74
h-index

20343

116
g-index

594
all docs

594
docs citations

594
times ranked

12118
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory and application of near infrared reflectance spectroscopy in determination of food quality. Trends in Food Science and Technology, 2007, 18, 72-83.	7.8	722
2	Further Improvement of Free-Weighting Matrices Technique for Systems With Time-Varying Delay. IEEE Transactions on Automatic Control, 2007, 52, 293-299.	3.6	687
3	Free-Matrix-Based Integral Inequality for Stability Analysis of Systems With Time-Varying Delay. IEEE Transactions on Automatic Control, 2015, 60, 2768-2772.	3.6	676
4	New results on stability analysis for systems with discrete distributed delay. Automatica, 2015, 60, 189-192.	3.0	318
5	Non-destructive measurement of acidity, soluble solids and firmness of Satsuma mandarin using Vis/NIR-spectroscopy techniques. Journal of Food Engineering, 2006, 77, 313-319.	2.7	311
6	Application of Deep Learning in Food: A Review. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 1793-1811.	5.9	291
7	Fruit Quality Evaluation Using Spectroscopy Technology: A Review. Sensors, 2015, 15, 11889-11927.	2.1	265
8	Stability Analysis for Neural Networks With Time-Varying Interval Delay. IEEE Transactions on Neural Networks, 2007, 18, 1850-1854.	4.8	264
9	Delay-Dependent Stability Criteria for Generalized Neural Networks With Two Delay Components. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1263-1276.	7.2	206
10	Delay-dependent stability analysis of neural networks with time-varying delay: A generalized free-weighting-matrix approach. Applied Mathematics and Computation, 2017, 294, 102-120.	1.4	199
11	Delay-dependent exponential stability of delayed neural networks with time-varying delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 553-557.	2.3	191
12	Study on infrared spectroscopy technique for fast measurement of protein content in milk powder based on LS-SVM. Journal of Food Engineering, 2008, 84, 124-131.	2.7	189
13	Discrimination of varieties of tea using near infrared spectroscopy by principal component analysis and BP model. Journal of Food Engineering, 2007, 79, 1238-1242.	2.7	185
14	A survey on the 5G network and its impact on agriculture: Challenges and opportunities. Computers and Electronics in Agriculture, 2021, 180, 105895.	3.7	181
15	Variety Identification of Single Rice Seed Using Hyperspectral Imaging Combined with Convolutional Neural Network. Applied Sciences (Switzerland), 2018, 8, 212.	1.3	180
16	Hyperspectral imaging analysis for ripeness evaluation of strawberry with support vector machine. Journal of Food Engineering, 2016, 179, 11-18.	2.7	166
17	Hybrid variable selection in visible and near-infrared spectral analysis for non-invasive quality determination of grape juice. Analytica Chimica Acta, 2010, 659, 229-237.	2.6	163
18	Rapid prediction of moisture content of dehydrated prawns using online hyperspectral imaging system. Analytica Chimica Acta, 2012, 726, 57-66.	2.6	161

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19	Application of long-wave near infrared hyperspectral imaging for measurement of color distribution in salmon fillet. <i>Innovative Food Science and Emerging Technologies</i> , 2012, 16, 361-372.	2.7	159
20	Global exponential stability of neural networks with time-varying delay based on free-matrix-based integral inequality. <i>Neural Networks</i> , 2016, 77, 80-86.	3.3	152
21	Complete Delay-Decomposing Approach to Asymptotic Stability for Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 806-812.	4.8	151
22	Rice Seed Cultivar Identification Using Near-Infrared Hyperspectral Imaging and Multivariate Data Analysis. <i>Sensors</i> , 2013, 13, 8916-8927.	2.1	149
23	Grain yield prediction of rice using multi-temporal UAV-based RGB and multispectral images and model transfer – a case study of small farmlands in the South of China. <i>Agricultural and Forest Meteorology</i> , 2020, 291, 108096.	1.9	145
24	Application of Visible and Near Infrared Hyperspectral Imaging to Differentiate Between Fresh and Frozen – Thawed Fish Fillets. <i>Food and Bioprocess Technology</i> , 2013, 6, 2931-2937.	2.6	144
25	Application of Hyperspectral Imaging and Chemometric Calibrations for Variety Discrimination of Maize Seeds. <i>Sensors</i> , 2012, 12, 17234-17246.	2.1	140
26	Localization and Classification of Paddy Field Pests using a Saliency Map and Deep Convolutional Neural Network. <i>Scientific Reports</i> , 2016, 6, 20410.	1.6	124
27	Strawberry Yield Prediction Based on a Deep Neural Network Using High-Resolution Aerial Orthoimages. <i>Remote Sensing</i> , 2019, 11, 1584.	1.8	124
28	Determination of effective wavelengths for discrimination of fruit vinegars using near infrared spectroscopy and multivariate analysis. <i>Analytica Chimica Acta</i> , 2008, 615, 10-17.	2.6	120
29	Hyperspectral Imaging for Presymptomatic Detection of Tobacco Disease with Successive Projections Algorithm and Machine-learning Classifiers. <i>Scientific Reports</i> , 2017, 7, 4125.	1.6	119
30	Recognising weeds in a maize crop using a random forest machine-learning algorithm and near-infrared snapshot mosaic hyperspectral imagery. <i>Biosystems Engineering</i> , 2018, 170, 39-50.	1.9	119
31	Feasibility study of quantifying and discriminating soybean oil adulteration in camellia oils by attenuated total reflectance MIR and fiber optic diffuse reflectance NIR. <i>Food Chemistry</i> , 2006, 95, 529-536.	4.2	118
32	Determination of Hemicellulose, Cellulose and Lignin in Moso Bamboo by Near Infrared Spectroscopy. <i>Scientific Reports</i> , 2015, 5, 17210.	1.6	118
33	Prediction of soil macronutrients content using near-infrared spectroscopy. <i>Computers and Electronics in Agriculture</i> , 2007, 58, 144-153.	3.7	116
34	Short-wave near-infrared spectroscopy analysis of major compounds in milk powder and wavelength assignment. <i>Analytica Chimica Acta</i> , 2008, 610, 232-242.	2.6	115
35	Application of near infrared spectroscopy for the rapid determination of antioxidant activity of bamboo leaf extract. <i>Food Chemistry</i> , 2012, 135, 2147-2156.	4.2	112
36	Deep convolutional neural networks for image-based <i>Convolvulus sepium</i> detection in sugar beet fields. <i>Plant Methods</i> , 2020, 16, 29.	1.9	110

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37	Detection of early blight and late blight diseases on tomato leaves using hyperspectral imaging. <i>Scientific Reports</i> , 2015, 5, 16564.	1.6	108
38	Developing deep learning based regression approaches for determination of chemical compositions in dry black goji berries (<i>Lycium ruthenicum</i> Murr.) using near-infrared hyperspectral imaging. <i>Food Chemistry</i> , 2020, 319, 126536.	4.2	108
39	Challenging applications for multi-element analysis by laser-induced breakdown spectroscopy in agriculture: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 260-272.	5.8	107
40	Discriminating varieties of tea plant based on Vis/NIR spectral characteristics and using artificial neural networks. <i>Biosystems Engineering</i> , 2008, 99, 313-321.	1.9	106
41	Comparison of calibrations for the determination of soluble solids content and pH of rice vinegars using visible and short-wave near infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2008, 610, 196-204.	2.6	106
42	Detecting macronutrients content and distribution in oilseed rape leaves based on hyperspectral imaging. <i>Biosystems Engineering</i> , 2013, 115, 56-65.	1.9	106
43	SSC and pH for sweet assessment and maturity classification of harvested cherry fruit based on NIR hyperspectral imaging technology. <i>Postharvest Biology and Technology</i> , 2018, 143, 112-118.	2.9	104
44	Potential of hyperspectral imaging and multivariate analysis for rapid and non-invasive detection of gelatin adulteration in prawn. <i>Journal of Food Engineering</i> , 2013, 119, 680-686.	2.7	99
45	Ripeness Classification of Astringent Persimmon Using Hyperspectral Imaging Technique. <i>Food and Bioprocess Technology</i> , 2014, 7, 1371-1380.	2.6	98
46	Variable selection in visible/near infrared spectra for linear and nonlinear calibrations: A case study to determine soluble solids content of beer. <i>Analytica Chimica Acta</i> , 2009, 635, 45-52.	2.6	97
47	Hyperspectral imaging for classification of healthy and gray mold diseased tomato leaves with different infection severities. <i>Computers and Electronics in Agriculture</i> , 2017, 135, 154-162.	3.7	97
48	Determination of $\hat{\pm}$ -linolenic acid and linoleic acid in edible oils using near-infrared spectroscopy improved by wavelet transform and uninformative variable elimination. <i>Analytica Chimica Acta</i> , 2009, 634, 166-171.	2.6	95
49	Application of Time Series Hyperspectral Imaging (TS-HSI) for Determining Water Distribution Within Beef and Spectral Kinetic Analysis During Dehydration. <i>Food and Bioprocess Technology</i> , 2013, 6, 2943-2958.	2.6	94
50	Early Detection of <i>Botrytis cinerea</i> on Eggplant Leaves Based on Visible and Near-Infrared Spectroscopy. <i>Transactions of the ASABE</i> , 2008, 51, 1133-1139.	1.1	93
51	Application of Near-Infrared Hyperspectral Imaging with Variable Selection Methods to Determine and Visualize Caffeine Content of Coffee Beans. <i>Food and Bioprocess Technology</i> , 2017, 10, 213-221.	2.6	93
52	Quantitative visualization of lignocellulose components in transverse sections of moso bamboo based on FTIR macro- and micro-spectroscopy coupled with chemometrics. <i>Biotechnology for Biofuels</i> , 2018, 11, 263.	6.2	93
53	Novel non-invasive distribution measurement of texture profile analysis (TPA) in salmon fillet by using visible and near infrared hyperspectral imaging. <i>Food Chemistry</i> , 2014, 145, 417-426.	4.2	92
54	Phenotyping of Arabidopsis Drought Stress Response Using Kinetic Chlorophyll Fluorescence and Multicolor Fluorescence Imaging. <i>Frontiers in Plant Science</i> , 2018, 9, 603.	1.7	91

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55	Fine-tuning convolutional neural network with transfer learning for semantic segmentation of ground-level oilseed rape images in a field with high weed pressure. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105091.	3.7	90
56	Visible/near infrared spectrometric technique for nondestructive assessment of tomato "Heatwave"™ (<i>Lycopersicon esculentum</i>) quality characteristics. <i>Journal of Food Engineering</i> , 2007, 81, 672-678.	2.7	89
57	Application of successive projections algorithm for variable selection to determine organic acids of plum vinegar. <i>Food Chemistry</i> , 2009, 115, 1430-1436.	4.2	89
58	Determination of Calcium Content in Powdered Milk Using Near and Mid-Infrared Spectroscopy with Variable Selection and Chemometrics. <i>Food and Bioprocess Technology</i> , 2012, 5, 1402-1410.	2.6	89
59	Combining UAV-Based Vegetation Indices and Image Classification to Estimate Flower Number in Oilseed Rape. <i>Remote Sensing</i> , 2018, 10, 1484.	1.8	89
60	Classification of hybrid seeds using near-infrared hyperspectral imaging technology combined with deep learning. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126630.	4.0	89
61	Application of essential oils in packaging films for the preservation of fruits and vegetables: A review. <i>Food Chemistry</i> , 2022, 375, 131810.	4.2	89
62	Hyperspectral imaging for seed quality and safety inspection: a review. <i>Plant Methods</i> , 2019, 15, 91.	1.9	88
63	Dynamic monitoring of biomass of rice under different nitrogen treatments using a lightweight UAV with dual image-frame snapshot cameras. <i>Plant Methods</i> , 2019, 15, 32.	1.9	88
64	Exponential Synchronization of Neural Networks With Time-Varying Delays via Dynamic Intermittent Output Feedback Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 612-622.	5.9	85
65	Visible/Near-Infrared Spectra for Linear and Nonlinear Calibrations: A Case to Predict Soluble Solids Contents and pH Value in Peach. <i>Food and Bioprocess Technology</i> , 2011, 4, 1376-1383.	2.6	84
66	Extended Dissipativity Analysis for Markovian Jump Neural Networks With Time-Varying Delay via Delay-Product-Type Functionals. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 2528-2537.	7.2	84
67	Study on lossless discrimination of varieties of yogurt using the Visible/NIR-spectroscopy. <i>Food Research International</i> , 2006, 39, 645-650.	2.9	82
68	Non-destructive discrimination of Chinese bayberry varieties using Vis/NIR spectroscopy. <i>Journal of Food Engineering</i> , 2007, 81, 357-363.	2.7	82
69	Soluble solids content and pH prediction and varieties discrimination of grapes based on visible"near infrared spectroscopy. <i>Computers and Electronics in Agriculture</i> , 2010, 71, S15-S18.	3.7	82
70	A comprehensive review on recent applications of unmanned aerial vehicle remote sensing with various sensors for high-throughput plant phenotyping. <i>Computers and Electronics in Agriculture</i> , 2021, 182, 106033.	3.7	82
71	Further results on exponential stability of neural networks with time-varying delay. <i>Applied Mathematics and Computation</i> , 2015, 256, 175-182.	1.4	81
72	Application of image texture for the sorting of tea categories using multi-spectral imaging technique and support vector machine. <i>Journal of Food Engineering</i> , 2008, 88, 474-483.	2.7	80

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73	Detection of Organic Acids and pH of Fruit Vinegars Using Near-Infrared Spectroscopy and Multivariate Calibration. <i>Food and Bioprocess Technology</i> , 2011, 4, 1331-1340.	2.6	80
74	Rapid estimation of seed yield using hyperspectral images of oilseed rape leaves. <i>Industrial Crops and Products</i> , 2013, 42, 416-420.	2.5	80
75	Hyperspectral Imaging for Mapping of Total Nitrogen Spatial Distribution in Pepper Plant. <i>PLoS ONE</i> , 2014, 9, e116205.	1.1	80
76	Hyperspectral imaging combined with machine learning as a tool to obtain high-throughput plant salt stress phenotyping. <i>Plant Journal</i> , 2020, 101, 1448-1461.	2.8	79
77	Hyperspectral Imaging for Determining Pigment Contents in Cucumber Leaves in Response to Angular Leaf Spot Disease. <i>Scientific Reports</i> , 2016, 6, 27790.	1.6	78
78	Chlorophyll Fluorescence Imaging Uncovers Photosynthetic Fingerprint of Citrus Huanglongbing. <i>Frontiers in Plant Science</i> , 2017, 8, 1509.	1.7	77
79	Fusion of pixel and object-based features for weed mapping using unmanned aerial vehicle imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 67, 43-53.	1.4	76
80	Measurement of Soluble Solids Contents and pH in Orange Juice Using Chemometrics and Vis-NIRS. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 7437-7443.	2.4	74
81	Identification of crack features in fresh jujube using Vis/NIR hyperspectral imaging combined with image processing. <i>Computers and Electronics in Agriculture</i> , 2014, 103, 1-10.	3.7	73
82	Near-Infrared Hyperspectral Imaging Combined with Deep Learning to Identify Cotton Seed Varieties. <i>Molecules</i> , 2019, 24, 3268.	1.7	72
83	Sensing of mercury ions in Porphyra by Copper @ Gold nanoclusters based ratiometric fluorescent aptasensor. <i>Food Chemistry</i> , 2021, 344, 128694.	4.2	72
84	Feasibility of the use of visible and near infrared spectroscopy to assess soluble solids content and pH of rice wines. <i>Journal of Food Engineering</i> , 2007, 83, 430-435.	2.7	71
85	Exponential Stability Analysis for Neural Networks With Time-Varying Delay. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008, 38, 1152-1156.	5.5	71
86	Measurement of Soluble Solid Contents and pH of White Vinegars Using VIS/NIR Spectroscopy and Least Squares Support Vector Machine. <i>Food and Bioprocess Technology</i> , 2014, 7, 54-61.	2.6	71
87	Comparison of different CCD detectors and chemometrics for predicting total anthocyanin content and antioxidant activity of mulberry fruit using visible and near infrared hyperspectral imaging technique. <i>Food Chemistry</i> , 2017, 224, 1-10.	4.2	71
88	Application of Visible and Near-Infrared Hyperspectral Imaging to Determine Soluble Protein Content in Oilseed Rape Leaves. <i>Sensors</i> , 2015, 15, 16576-16588.	2.1	70
89	Application of hyperspectral imaging and chemometrics for variety classification of maize seeds. <i>RSC Advances</i> , 2018, 8, 1337-1345.	1.7	70
90	Determination of acetolactate synthase activity and protein content of oilseed rape (<i>Brassica napus</i>) Tj ETQq0 0 0 r gBT /Overlock 10 Tf	2.6	69

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91	Determination of tea polyphenols content by infrared spectroscopy coupled with iPLS and random frog techniques. <i>Computers and Electronics in Agriculture</i> , 2015, 112, 28-35.	3.7	69
92	Visible and near infrared spectroscopy for rapid detection of citric and tartaric acids in orange juice. <i>Journal of Food Engineering</i> , 2007, 82, 253-260.	2.7	68
93	Visual detection of the moisture content of tea leaves with hyperspectral imaging technology. <i>Journal of Food Engineering</i> , 2019, 248, 89-96.	2.7	67
94	Application of Visible and Near-Infrared Hyperspectral Imaging for Detection of Defective Features in Loquat. <i>Food and Bioprocess Technology</i> , 2014, 7, 3077-3087.	2.6	65
95	Rapid Classification of Wheat Grain Varieties Using Hyperspectral Imaging and Chemometrics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4119.	1.3	65
96	Exploring Near and Midinfrared Spectroscopy to Predict Trace Iron and Zinc Contents in Powdered Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1697-1704.	2.4	64
97	Detection of orchard citrus fruits using a monocular machine vision-based method for automatic fruit picking applications. <i>Computers and Electronics in Agriculture</i> , 2018, 152, 64-73.	3.7	64
98	Detection of adulteration in food based on nondestructive analysis techniques: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2351-2371.	5.4	63
99	Identification of Geographical Origin of Olive Oil Using Visible and Near-Infrared Spectroscopy Technique Combined with Chemometrics. <i>Food and Bioprocess Technology</i> , 2012, 5, 235-242.	2.6	62
100	Recent innovations of ultrasound green technology in herbal phytochemistry: A review. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105538.	3.8	62
101	Advanced high-throughput plant phenotyping techniques for genome-wide association studies: A review. <i>Journal of Advanced Research</i> , 2022, 35, 215-230.	4.4	62
102	Laser-Induced Breakdown Spectroscopy Coupled with Multivariate Chemometrics for Variety Discrimination of Soil. <i>Scientific Reports</i> , 2016, 6, 27574.	1.6	61
103	Nondestructive measurement of the internal quality of bayberry juice using Vis/NIR spectroscopy. <i>Journal of Food Engineering</i> , 2007, 79, 1015-1019.	2.7	60
104	Using wavelet transform and multi-class least square support vector machine in multi-spectral imaging classification of Chinese famous tea. <i>Expert Systems With Applications</i> , 2011, 38, 11149-11159.	4.4	60
105	Moisture Influence Reducing Method for Heavy Metals Detection in Plant Materials Using Laser-Induced Breakdown Spectroscopy: A Case Study for Chromium Content Detection in Rice Leaves. <i>Analytical Chemistry</i> , 2017, 89, 7593-7600.	3.2	59
106	Rapid and non-destructive measurement of spinach pigments content during storage using hyperspectral imaging with chemometrics. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 97, 149-155.	2.5	59
107	Stability analysis of neural networks with time-varying delay: Enhanced stability criteria and conservatism comparisons. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 54, 118-135.	1.7	58
108	Prediction of banana color and firmness using a novel wavelengths selection method of hyperspectral imaging. <i>Food Chemistry</i> , 2018, 245, 132-140.	4.2	58

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109	Discrimination of Chrysanthemum Varieties Using Hyperspectral Imaging Combined with a Deep Convolutional Neural Network. <i>Molecules</i> , 2018, 23, 2831.	1.7	58
110	Information fusion of emerging non-destructive analytical techniques for food quality authentication: A survey. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115901.	5.8	58
111	Application of near-infrared hyperspectral imaging to discriminate different geographical origins of Chinese wolfberries. <i>PLoS ONE</i> , 2017, 12, e0180534.	1.1	58
112	Reachable set estimation for Markovian jump neural networks with time-varying delay. <i>Neural Networks</i> , 2018, 108, 527-532.	3.3	57
113	Real-time strawberry detection using deep neural networks on embedded system (rtsd-net): An edge AI application. <i>Computers and Electronics in Agriculture</i> , 2022, 192, 106586.	3.7	57
114	Application of hyperspectral imaging technology to discriminate different geographical origins of <i>Jatropha curcas</i> L. seeds. <i>Computers and Electronics in Agriculture</i> , 2013, 99, 186-193.	3.7	56
115	Discrimination of Transgenic Maize Kernel Using NIR Hyperspectral Imaging and Multivariate Data Analysis. <i>Sensors</i> , 2017, 17, 1894.	2.1	56
116	A Deep Convolutional Neural Network Architecture for Boosting Image Discrimination Accuracy of Rice Species. <i>Food and Bioprocess Technology</i> , 2018, 11, 765-773.	2.6	56
117	Quantification of Nitrogen Status in Rice by Least Squares Support Vector Machines and Reflectance Spectroscopy. <i>Food and Bioprocess Technology</i> , 2012, 5, 100-107.	2.6	55
118	Mapping of TBARS distribution in frozen-thawed pork using NIR hyperspectral imaging. <i>Meat Science</i> , 2016, 113, 92-96.	2.7	55
119	Application of Hyperspectral Imaging to Detect <i>Sclerotinia sclerotiorum</i> on Oilseed Rape Stems. <i>Sensors</i> , 2018, 18, 123.	2.1	55
120	Nondestructive measurement and fingerprint analysis of soluble solid content of tea soft drink based on Vis/NIR spectroscopy. <i>Journal of Food Engineering</i> , 2007, 82, 316-323.	2.7	54
121	Application of visible and near infrared spectroscopy for rapid and non-invasive quantification of common adulterants in Spirulina powder. <i>Journal of Food Engineering</i> , 2011, 102, 278-286.	2.7	54
122	Nitrogen, phosphorus, and potassium prediction in soils, using infrared spectroscopy. <i>Soil Research</i> , 2011, 49, 166.	0.6	53
123	Quantitative Analysis of Nutrient Elements in Soil Using Single and Double-Pulse Laser-Induced Breakdown Spectroscopy. <i>Sensors</i> , 2018, 18, 1526.	2.1	52
124	Rapid and Nondestructive Measurement of Rice Seed Vitality of Different Years Using Near-Infrared Hyperspectral Imaging. <i>Molecules</i> , 2019, 24, 2227.	1.7	52
125	Variety identification of oat seeds using hyperspectral imaging: investigating the representation ability of deep convolutional neural network. <i>RSC Advances</i> , 2019, 9, 12635-12644.	1.7	52
126	Identification of coffee bean varieties using hyperspectral imaging: influence of preprocessing methods and pixel-wise spectra analysis. <i>Scientific Reports</i> , 2018, 8, 2166.	1.6	49

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127	Mapping of Fat and Moisture Distribution in Atlantic Salmon Using Near-Infrared Hyperspectral Imaging. <i>Food and Bioprocess Technology</i> , 2014, 7, 1208-1214.	2.6	48
128	Using hyperspectral analysis as a potential high throughput phenotyping tool in GWAS for protein content of rice quality. <i>Plant Methods</i> , 2019, 15, 54.	1.9	48
129	Application of near-infrared hyperspectral imaging for variety identification of coated maize kernels with deep learning. <i>Infrared Physics and Technology</i> , 2020, 111, 103550.	1.3	48
130	Rapid Determination of Chlorophyll and Pheophytin in Green Tea Using Fourier Transform Infrared Spectroscopy. <i>Molecules</i> , 2018, 23, 1010.	1.7	46
131	Hyperspectral reflectance imaging combined with carbohydrate metabolism analysis for diagnosis of citrus Huanglongbing in different seasons and cultivars. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 50-60.	4.0	46
132	Classification of brands of instant noodles using Vis/NIR spectroscopy and chemometrics. <i>Food Research International</i> , 2008, 41, 562-567.	2.9	45
133	Detection of Subtle Bruises on Winter Jujube Using Hyperspectral Imaging With Pixel-Wise Deep Learning Method. <i>IEEE Access</i> , 2019, 7, 64494-64505.	2.6	45
134	Extraction of cellulose nanocrystals from areca waste and its application in eco-friendly biocomposite film. <i>Chemosphere</i> , 2022, 287, 132084.	4.2	45
135	Measurement of Soluble Solids Content and pH of Yogurt Using Visible/Near Infrared Spectroscopy and Chemometrics. <i>Food and Bioprocess Technology</i> , 2009, 2, 229-233.	2.6	44
136	Citrus yield estimation based on images processed by an Android mobile phone. <i>Biosystems Engineering</i> , 2013, 115, 162-170.	1.9	44
137	Fast Detection of Copper Content in Rice by Laser-Induced Breakdown Spectroscopy with Uni- and Multivariate Analysis. <i>Sensors</i> , 2018, 18, 705.	2.1	44
138	Computer vision-based localisation of picking points for automatic litchi harvesting applications towards natural scenarios. <i>Biosystems Engineering</i> , 2019, 187, 1-20.	1.9	44
139	Practicability investigation of using near-infrared hyperspectral imaging to detect rice kernels infected with rice false smut in different conditions. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127696.	4.0	44
140	Integrating Remote Sensing and Landscape Characteristics to Estimate Soil Salinity Using Machine Learning Methods: A Case Study from Southern Xinjiang, China. <i>Remote Sensing</i> , 2020, 12, 4118.	1.8	44
141	Identification of Bacterial Blight Resistant Rice Seeds Using Terahertz Imaging and Hyperspectral Imaging Combined With Convolutional Neural Network. <i>Frontiers in Plant Science</i> , 2020, 11, 821.	1.7	44
142	Fast Discrimination of Apple Varieties Using Vis/NIR Spectroscopy. <i>International Journal of Food Properties</i> , 2007, 10, 9-18.	1.3	43
143	Detection of Soil Nitrogen Using Near Infrared Sensors Based on Soil Pretreatment and Algorithms. <i>Sensors</i> , 2017, 17, 1102.	2.1	43
144	Applying Near-Infrared Spectroscopy and Chemometrics to Determine Total Amino Acids in Herbicide-Stressed Oilseed Rape Leaves. <i>Food and Bioprocess Technology</i> , 2011, 4, 1314-1321.	2.6	42

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145	Fast detection of tobacco mosaic virus infected tobacco using laser-induced breakdown spectroscopy. <i>Scientific Reports</i> , 2017, 7, 44551.	1.6	42
146	Hyperspectral Imaging for Predicting the Internal Quality of Kiwifruits Based on Variable Selection Algorithms and Chemometric Models. <i>Scientific Reports</i> , 2017, 7, 7845.	1.6	42
147	Detection of Water Content in Rapeseed Leaves Using Terahertz Spectroscopy. <i>Sensors</i> , 2017, 17, 2830.	2.1	42
148	Study on rapeseed oil as alternative fuel for a single-cylinder diesel engine. <i>Renewable Energy</i> , 2003, 28, 1447-1453.	4.3	41
149	Nondestructive Differentiation of Panax Species Using Visible and Shortwave Near-Infrared Spectroscopy. <i>Food and Bioprocess Technology</i> , 2011, 4, 753-761.	2.6	41
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