Nondestructive detection of chilling injury in cucumber with feature selection and supervised classification

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Citation Report

#	Article	IF	CITATIONS
1	Black Heart Detection in White Radish by Hyperspectral Transmittance Imaging Combined with Chemometric Analysis and a Successive Projections Algorithm. Applied Sciences (Switzerland), 2016, 6, 249.	2.5	16
2	Extraction of rice-planting area and identification of chilling damage by remote sensing technology: a case study of the emerging rice production region in high latitude. Paddy and Water Environment, 2017, 15, 181-191.	1.8	9
3	Hyperspectral imaging detection of decayed honey peaches based on their chlorophyll content. Food Chemistry, 2017, 235, 194-202.	8.2	66
4	Hyperspectral imaging with different illumination patterns for the hollowness classification of white radish. Postharvest Biology and Technology, 2017, 126, 40-49.	6.0	49
5	Non-destructive quality assessment of hens' eggs using hyperspectral images. Journal of Food Engineering, 2017, 215, 97-103.	5.2	68
6	Hyperspectral Imaging for Presymptomatic Detection of Tobacco Disease with Successive Projections Algorithm and Machine-learning Classifiers. Scientific Reports, 2017, 7, 4125.	3.3	119
7	Unsupervised feature selection with the largest angle coding. International Journal of Computer Mathematics: Computer Systems Theory, 2017, 2, 66-80.	1.1	1
8	Astringency assessment of persimmon by hyperspectral imaging. Postharvest Biology and Technology, 2017, 125, 35-41.	6.0	46
9	Hyperspectral reflectance imaging combined with chemometrics and successive projections algorithm for chilling injury classification in peaches. LWT - Food Science and Technology, 2017, 75, 557-564.	5.2	61
10	Early Detection of Aphid (<i>Myzus persicae</i>) Infestation on Chinese Cabbage by Hyperspectral Imaging and Feature Extraction. Transactions of the ASABE, 2017, 60, 1045-1051.	1.1	13
11	Chlorophyll Fluorescence Imaging Uncovers Photosynthetic Fingerprint of Citrus Huanglongbing. Frontiers in Plant Science, 2017, 8, 1509.	3.6	77
12	Innovative Hyperspectral Imaging-Based Techniques for Quality Evaluation of Fruits and Vegetables: A Review. Applied Sciences (Switzerland), 2017, 7, 189.	2.5	73
13	Navel Orange Maturity Classification by Multispectral Indexes Based on Hyperspectral Diffuse Transmittance Imaging. Journal of Food Quality, 2017, 2017, 1-7.	2.6	10
14	Evaluation of Chilling Injury in Mangoes Using Multispectral Imaging. Journal of Food Science, 2018, 83, 1271-1279.	3.1	14
15	Plant-based edible coatings for managing postharvest quality of fresh horticultural produce: A review. Food Packaging and Shelf Life, 2018, 16, 157-167.	7.5	131
16	Identification of Bruise and Fungi Contamination in Strawberries Using Hyperspectral Imaging Technology and Multivariate Analysis. Food Analytical Methods, 2018, 11, 1518-1527.	2.6	49
17	Using laboratory-based hyperspectral imaging method to determine carbon functional group distributions in decomposing forest litterfall. Catena, 2018, 167, 18-27.	5.0	22
18	Smart storage technologies applied to fresh foods: A review. Critical Reviews in Food Science and Nutrition, 2018, 58, 2689-2699.	10.3	19

#	ARTICLE	IF	CITATIONS
19	Evaluating calibration methods for predicting soil available nutrients using hyperspectral VNIR data. Soil and Tillage Research, 2018, 175, 267-275.	5.6	43
20	Detecting decayed peach using a rotating hyperspectral imaging testbed. LWT - Food Science and Technology, 2018, 87, 326-332.	5.2	26
21	Comparison between artificial neural network and partial least squares regression models for hardness modeling during the ripening process of Swiss-type cheese using spectral profiles. Journal of Food Engineering, 2018, 219, 8-15.	5.2	53
22	Active learning algorithm can establish classifier of blueberry damage with very small training dataset using hyperspectral transmittance data. Chemometrics and Intelligent Laboratory Systems, 2018, 172, 52-57.	3.5	15
23	Nearâ€infrared hyperspectral imaging for detection and quantification of azodicarbonamide in flour. Journal of the Science of Food and Agriculture, 2018, 98, 2793-2800.	3.5	9
24	Determination and Visualization of Different Levels of Deoxynivalenol in Bulk Wheat Kernels by Hyperspectral Imaging. Journal of Applied Spectroscopy, 2018, 85, 953-961.	0.7	22
25	A comprehensive review of fruit and vegetable classificationÂtechniques. Image and Vision Computing, 2018, 80, 24-44.	4.5	117
26	Utilization of Machine Vision to Monitor the Dynamic Responses of Rice Leaf Morphology and Colour to Nitrogen, Phosphorus, and Potassium Deficiencies. Journal of Spectroscopy, 2018, 2018, 1-13.	1.3	10
27	Challenges and solutions of optical-based nondestructive quality inspection for robotic fruit and vegetable grading systems: A technical review. Trends in Food Science and Technology, 2018, 81, 213-231.	15.1	82
28	Susceptibility and Expression of Chilling Injury. , 2018, , .		1
29	Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436.	1.1	33
29 30	 Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436. Selection of Spectral Resolution and Scanning Speed for Detecting Green Jujubes Chilling Injury Based on Hyperspectral Reflectance Imaging. Applied Sciences (Switzerland), 2018, 8, 523. 	1.1 2.5	33 10
29 30 31	Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436. Selection of Spectral Resolution and Scanning Speed for Detecting Green Jujubes Chilling Injury Based on Hyperspectral Reflectance Imaging. Applied Sciences (Switzerland), 2018, 8, 523. Non-destructive detection of Flos Lonicerae treated by sulfur fumigation based on hyperspectral imaging. Journal of Food Measurement and Characterization, 2018, 12, 2809-2818.	1.1 2.5 3.2	33 10 10
29 30 31 32	Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436. Selection of Spectral Resolution and Scanning Speed for Detecting Green Jujubes Chilling Injury Based on Hyperspectral Reflectance Imaging. Applied Sciences (Switzerland), 2018, 8, 523. Non-destructive detection of Flos Lonicerae treated by sulfur fumigation based on hyperspectral imaging. Journal of Food Measurement and Characterization, 2018, 12, 2809-2818. A review on the application of chromatographic methods, coupled to chemometrics, for food authentication. Food Control, 2018, 93, 165-182.	1.1 2.5 3.2 5.5	33 10 10 128
29 30 31 32 33	Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436.Selection of Spectral Resolution and Scanning Speed for Detecting Green Jujubes Chilling Injury Based on Hyperspectral Reflectance Imaging. Applied Sciences (Switzerland), 2018, 8, 523.Non-destructive detection of Flos Lonicerae treated by sulfur fumigation based on hyperspectral imaging. Journal of Food Measurement and Characterization, 2018, 12, 2809-2818.A review on the application of chromatographic methods, coupled to chemometrics, for food authentication. Food Control, 2018, 93, 165-182.Nondestructive detection of maturity of watermelon by spectral characteristic using NIR diffuse transmittance technique. Scientia Horticulturae, 2019, 257, 108718.	1.1 2.5 3.2 5.5 3.6	 33 10 10 128 24
29 30 31 32 33 33	Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436. Selection of Spectral Resolution and Scanning Speed for Detecting Green Jujubes Chilling Injury Based on Hyperspectral Reflectance Imaging. Applied Sciences (Switzerland), 2018, 8, 523. Non-destructive detection of Flos Lonicerae treated by sulfur fumigation based on hyperspectral imaging. Journal of Food Measurement and Characterization, 2018, 12, 2809-2818. A review on the application of chromatographic methods, coupled to chemometrics, for food authentication. Food Control, 2018, 93, 165-182. Nondestructive detection of maturity of watermelon by spectral characteristic using NIR diffuse transmittance technique. Scientia Horticulturae, 2019, 257, 108718. Sensing fermentation degree of cocca (Theobroma cacao L.) beans by machine learning classification models based electronic nose system. Journal of Food Process Engineering, 2019, 42, e13175.	1.1 2.5 3.2 5.5 3.6 2.9	 33 10 10 128 24 22
29 30 31 32 33 33 34 35	Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436. Selection of Spectral Resolution and Scanning Speed for Detecting Green Jujubes Chilling Injury Based on Hyperspectral Reflectance Imaging. Applied Sciences (Switzerland), 2018, 8, 523. Non-destructive detection of Flos Lonicerae treated by sulfur fumigation based on hyperspectral imaging. Journal of Food Measurement and Characterization, 2018, 12, 2809-2818. A review on the application of chromatographic methods, coupled to chemometrics, for food authentication. Food Control, 2018, 93, 165-182. Nondestructive detection of maturity of watermelon by spectral characteristic using NIR diffuse transmittance technique. Scientia Horticulturae, 2019, 257, 108718. Sensing fermentation degree of cocoa (Theobroma cacao L.) beans by machine learning classification models based electronic nose system. Journal of Food Process Engineering, 2019, 42, e13175. Combining near-infrared hyperspectral imaging with elemental and isotopic analysis to discriminate farm-raised pacific white shrimp from high-salinity and low-salinity environments. Food Chemistry, 2019, 299, 125121.	1.1 2.5 3.2 5.5 3.6 2.9 8.2	 33 10 10 128 24 22 13

#	Article	IF	CITATIONS
37	Rapid Detection and Visualization of Mechanical Bruises on "Nanfeng―Mandarin Using the Hyperspectral Imaging Combined with ICA_LSQ Method. Food Analytical Methods, 2019, 12, 2025-2034.	2.6	10
38	Multivariate calibration of spectroscopic sensors for postharvest quality evaluation: A review. Postharvest Biology and Technology, 2019, 158, 110981.	6.0	98
39	Hyperspectral Reflectance Imaging Combined with Multivariate Analysis for Diagnosis of Sclerotinia Stem Rot on Arabidopsis Thaliana Leaves. Applied Sciences (Switzerland), 2019, 9, 2092.	2.5	5
40	Development of a smartphone application for assessment of chilling injuries in zucchini. Biosystems Engineering, 2019, 181, 114-127.	4.3	11
41	Selection of Optimal Hyperspectral Wavebands for Detection of Discolored, Diseased Rice Seeds. Applied Sciences (Switzerland), 2019, 9, 1027.	2.5	28
42	Measurements of lycopene contents in fruit: A review of recent developments in conventional and novel techniques. Critical Reviews in Food Science and Nutrition, 2019, 59, 758-769.	10.3	34
43	Current and future applications of statistical machine learning algorithms for agricultural machine vision systems. Computers and Electronics in Agriculture, 2019, 156, 585-605.	7.7	237
44	Automatic Fruit Classification Using Deep Learning for Industrial Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 1027-1034.	11.3	203
45	Early detection of eggplant fruit stored at chilling temperature using different non-destructive optical techniques and supervised classification algorithms. Postharvest Biology and Technology, 2020, 159, 111001.	6.0	22
46	A De novo approach for automatic volume and mass estimation of fruits and vegetables. Optik, 2020, 200, 163443.	2.9	12
48	Early detection of chilling injury in green bell peppers by hyperspectral imaging and chemometrics. Postharvest Biology and Technology, 2020, 162, 111100.	6.0	34
49	Detection of early decay on citrus using hyperspectral transmittance imaging technology coupled with principal component analysis and improved watershed segmentation algorithms. Postharvest Biology and Technology, 2020, 161, 111071.	6.0	45
50	Standardisation of near infrared hyperspectral imaging for quantification and classification of DON contaminated wheat samples. Food Control, 2020, 111, 107074.	5.5	37
51	Shape induced reflectance correction for non-destructive determination and visualization of soluble solids content in winter jujubes using hyperspectral imaging in two different spectral ranges. Postharvest Biology and Technology, 2020, 161, 111080.	6.0	39
52	Rapid determination of pit mud moisture content using hyperspectral imaging. Food Science and Nutrition, 2020, 8, 179-189.	3.4	1
53	Hyperspectral imaging technology for quality and safety evaluation of horticultural products: A review and celebration of the past 20-year progress. Postharvest Biology and Technology, 2020, 170, 111318.	6.0	123
54	Raman spectroscopy coupled with chemometrics for food authentication: A review. TrAC - Trends in Analytical Chemistry, 2020, 131, 116017.	11.4	109
55	Using chemometrics to characterise and unravel the near infra-red spectral changes induced in aubergine fruit by chilling injury as influenced by storage time and temperature. Biosystems Engineering, 2020, 198, 137-146.	4.3	8

#	Article	IF	CITATIONS
56	Identification of Wheat Yellow Rust Using Spectral and Texture Features of Hyperspectral Images. Remote Sensing, 2020, 12, 1419.	4.0	66
57	Feijoa [Acca sellowiana (Berg) Burret] accessions characterization and discrimination by chemometrics. Journal of the Science of Food and Agriculture, 2020, 100, 5373-5384.	3.5	9
58	Potential of Vis-NIR spectroscopy for detection of chilling injury in kiwifruit. Postharvest Biology and Technology, 2020, 164, 111160.	6.0	36
59	Online detection of apples with moldy core using the Vis/NIR full-transmittance spectra. Postharvest Biology and Technology, 2020, 168, 111269.	6.0	27
60	Graph Constraint and Collaborative Representation Classifier Steered Discriminative Projection with Applications for the Early Identification of Cucumber Diseases. Sensors, 2020, 20, 1217.	3.8	8
61	Chitosan oligosaccharides induced chilling resistance in cucumber fruit and associated stimulation of antioxidant and HSP gene expression. Scientia Horticulturae, 2020, 264, 109187.	3.6	21
62	Application of biospeckle laser imaging for early detection of chilling and freezing disorders in orange. Postharvest Biology and Technology, 2020, 162, 111118.	6.0	14
63	Partitioned Relief-F Method for Dimensionality Reduction of Hyperspectral Images. Remote Sensing, 2020, 12, 1104.	4.0	18
64	Standardising fresh produce selection and grading process for improving quality assurance in perishable food supply chains: an integrated Fuzzy AHP-TOPSIS framework. Enterprise Information Systems, 2021, 15, 651-675.	4.7	12
65	Comparison of a dual-laser and a Vis-NIR spectroscopy system for detection of chilling injury in kiwifruit. Postharvest Biology and Technology, 2021, 175, 111418.	6.0	9
66	Impruved Prediction of Soluble Solid Content of Apple Using a Combination of Spectral and Textural Features of Hyperspectral Images. Journal of Applied Spectroscopy, 2021, 87, 1196-1205.	0.7	4
67	Quantitative evaluation of impact damage to apples using NIR hyperspectral imaging. International Journal of Food Properties, 2021, 24, 457-470.	3.0	16
68	Machine learning techniques for analysis of hyperspectral images to determine quality of food products: A review. Current Research in Food Science, 2021, 4, 28-44.	5.8	159
69	Wheat Yellow Rust Detection Using UAV-Based Hyperspectral Technology. Remote Sensing, 2021, 13, 123.	4.0	87
70	Nondestructive detection of low temperature induced stress on postharvest quality of kÃipia type sweet pepper. Progress in Agricultural Engineering Sciences, 2021, 16, 173-186.	0.3	4
71	Determination of sugar content in Lingwu jujube by NIR–hyperspectral imaging. Journal of Food Science, 2021, 86, 1201-1214.	3.1	11
72	Rapid and noninvasive sensory analyses of food products by hyperspectral imaging: Recent application developments. Trends in Food Science and Technology, 2021, 111, 151-165.	15.1	81
73	Detection of Chilling Injury in Pickling Cucumbers Using Dual-Band Chlorophyll Fluorescence Imaging. Foods, 2021, 10, 1094.	4.3	7

#	Article	IF	CITATIONS
74	Application of Absorption and Scattering Properties Obtained through Image Pre-Classification Method Using a Laser Backscattering Imaging System to Detect Kiwifruit Chilling Injury. Foods, 2021, 10, 1446.	4.3	5
75	Identifying COVID-19 by using spectral analysis of cough recordings: a distinctive classification study. Cognitive Neurodynamics, 2022, 16, 239-253.	4.0	34
76	The use of digital imaging, chlorophyll fluorescence and Vis/NIR spectroscopy in assessing the ripening stage and freshness status of bell pepper fruit. Computers and Electronics in Agriculture, 2021, 187, 106265.	7.7	21
77	Maturity determination at harvest and spatial assessment of moisture content in okra using Vis-NIR hyperspectral imaging. Postharvest Biology and Technology, 2021, 180, 111597.	6.0	27
78	Detection of citrus black spot symptoms using spectral reflectance. Postharvest Biology and Technology, 2021, 180, 111627.	6.0	9
79	Detection of early decay on citrus using LW-NIR hyperspectral reflectance imaging coupled with two-band ratio and improved watershed segmentation algorithm. Food Chemistry, 2021, 360, 130077.	8.2	42
80	Physical and chemical properties of edamame during bean development and application of spectroscopy-based machine learning methods to predict optimal harvest time. Food Chemistry, 2022, 368, 130799.	8.2	12
81	A Review of Plant Phenotypic Image Recognition Technology Based on Deep Learning. Electronics (Switzerland), 2021, 10, 81.	3.1	65
82	Mushroom Classification Using Feature-Based Machine Learning Approach. Advances in Intelligent Systems and Computing, 2020, , 197-206.	0.6	11
83	Pre-storage Application of L-arginine Alleviates Chilling Injury and Maintains Postharvest Quality of Cucumber (Cucumis sativus). Journal of Horticultural Science & Technology, 2020, , 102-108.	0.3	6
84	In-field and non-invasive determination of internal quality and ripeness stages of Feicheng peach using a portable hyperspectral imager. Biosystems Engineering, 2021, 212, 115-125.	4.3	15
85	Patent prospects and trends in post-harvest management technology of fresh agricultural products. Korean Journal of Food Preservation, 2020, 27, 423-432.	0.5	1
86	Detection of Invisible Damage of Kiwi Fruit Based on Hyperspectral Technique. Lecture Notes in Computer Science, 2020, , 373-382.	1.3	0
87	Umbrella review on chilling injuries: Post-harvest issue, cause, and treatment in tomato. Scientia Horticulturae, 2022, 293, 110710.	3.6	14
88	Non-destructive Detection of Chilling-Injured Kiwifruit by a Dual Laser System. , 2020, , .		0
89	Non-Destructive Identification of Internal Watercore in Apples Based on Online Vis/NIR Spectroscopy. Transactions of the ASABE, 2020, 63, 1711-1721.	1.1	11
90	Cucumber powdery mildew detection using hyperspectral data. Canadian Journal of Plant Science, 2022, 102, 20-32.	0.9	7
91	Automation and digitization of agriculture using artificial intelligence and internet of things. Artificial Intelligence in Agriculture, 2021, 5, 278-291.	6.0	50

#	Article	IF	CITATIONS
92	Fast detection of water loss and hardness for cucumber using hyperspectral imaging technology. Journal of Food Measurement and Characterization, 2022, 16, 76-84.	3.2	11
93	Quality maintenance of broccoli by the use of 1-MCP treatments. Progress in Agricultural Engineering Sciences, 2020, 16, 95-103.	0.3	3
94	Emerging non-destructive imaging techniques for fruit damage detection: Image processing and analysis. Trends in Food Science and Technology, 2022, 120, 418-438.	15.1	54
95	The development of on-line surface defect detection system for jujubes based on hyperspectral images. Computers and Electronics in Agriculture, 2022, 194, 106743.	7.7	26
96	Spectral and image analysis of hyperspectral data for internal and external quality assessment of peach fruit. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 272, 121016.	3.9	22
97	Joint Optimization of Autoencoder and Self-Supervised Classifier: Anomaly Detection of Strawberries Using Hyperspectral Imaging. SSRN Electronic Journal, 0, , .	0.4	1
98	Non-destructive detection of chilling injury in kiwifruit using a dual-laser scanning system with a principal component analysis - back propagation neural network. Journal of Near Infrared Spectroscopy, 2022, 30, 67-73.	1.5	3
99	Defect Detection in Fruit and Vegetables by Using Machine Vision Systems and Image Processing. Food Engineering Reviews, 2022, 14, 353-379.	5.9	16
100	A Hyperspectral Data 3D Convolutional Neural Network Classification Model for Diagnosis of Gray Mold Disease in Strawberry Leaves. Frontiers in Plant Science, 2022, 13, 837020.	3.6	10
101	Effect of variable selection algorithms on model performance for predicting moisture content in biological materials using spectral data. Analytica Chimica Acta, 2022, 1202, 339390.	5.4	28
102	Early diagnosis and pathogenesis monitoring of wheat powdery mildew caused by blumeria graminis using hyperspectral imaging. Computers and Electronics in Agriculture, 2022, 197, 106921.	7.7	15
103	Online Detection of Watercore Apples by Vis/NIR Full-Transmittance Spectroscopy Coupled with ANOVA Method. Foods, 2021, 10, 2983.	4.3	7
104	Machine Learning for Varietal Binary Classification of Soybean (Glycine max (L.) Merrill) Seeds Based on Shape and Size Attributes. Food Analytical Methods, 2022, 15, 2260-2273.	2.6	7
105	Application of Mung Bean Protein Separation and Purification Combined with Artificial Intelligence MLR Classifier Technology in the Study of Protein Physical and Chemical Properties. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	0
106	Joint optimization of autoencoder and Self-Supervised Classifier: Anomaly detection of strawberries using hyperspectral imaging. Computers and Electronics in Agriculture, 2022, 198, 107007.	7.7	17
107	Plant Genotype to Phenotype Prediction Using Machine Learning. Frontiers in Genetics, 2022, 13, .	2.3	21
108	The continuous wavelet projections algorithm: A practical spectral-feature-mining approach for crop detection. Crop Journal, 2022, 10, 1264-1273.	5.2	9
109	Vision-Based Fruit Recognition Via Multi-Scale Attention Cnn. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
110	Design and Implementation of Cloud Docker Application Architecture Based on Machine Learning in Container Management for Smart Manufacturing. Applied Sciences (Switzerland), 2022, 12, 6737.	2.5	8
111	Detection of pears with moldy core using online full-transmittance spectroscopy combined with supervised classifier comparison and variable optimization. Computers and Electronics in Agriculture, 2022, 200, 107231.	7.7	7
112	Study on Qualitative Impact Damage of Loquats Using Hyperspectral Technology Coupled with Texture Features. Foods, 2022, 11, 2444.	4.3	6
113	Cucumber fruit skin reticulation affects post-harvest traits. Postharvest Biology and Technology, 2022, 194, 112071.	6.0	6
114	Application of hyperspectral imaging systems and artificial intelligence for quality assessment of fruit, vegetables and mushrooms: A review. Biosystems Engineering, 2022, 222, 156-176.	4.3	43
115	Deep learning based computer vision approaches for smart agricultural applications. Artificial Intelligence in Agriculture, 2022, 6, 211-229.	6.0	38
116	Using Machine Learning for Nutrient Content Detection of Aquaponics-Grown Plants Based on Spectral Data. Sustainability, 2022, 14, 12318.	3.2	4
117	Hyperspectral dimension reduction and navel orange surface disease defect classification using independent component analysis-genetic algorithm. Frontiers in Nutrition, 0, 9, .	3.7	0
118	Early identification of strawberry leaves disease utilizing hyperspectral imaging combing with spectral features, multiple vegetation indices and textural features. Computers and Electronics in Agriculture, 2023, 204, 107553.	7.7	22
119	Detection of bruised loquats based on reflectance, absorbance and Kubelka–Munk spectra. Journal of Food Measurement and Characterization, 0, , .	3.2	0
120	An Intelligent System for Cucumber Leaf Disease Diagnosis Based on the Tuned Convolutional Neural Network Algorithm. Mobile Information Systems, 2022, 2022, 1-16.	0.6	6
121	Optical Techniques for Fungal Disease Detection in Citrus Fruit: A Review. Food and Bioprocess Technology, 2023, 16, 1668-1689.	4.7	2
122	N-α-Lauroyl-L-arginine ethyl ester hydrochloride combined with hot water treatment alleviates chilling injury of postharvest cucumber fruit. Scientia Horticulturae, 2023, 315, 111986.	3.6	6
123	Vision-based fruit recognition via multi-scale attention CNN. Computers and Electronics in Agriculture, 2023, 210, 107911.	7.7	6
124	Predicting the Optimum Corn Harvest Time via the Quantity of Dry Matter Determined with Vegetation Indices Obtained from Multispectral Field Imaging. Remote Sensing, 2023, 15, 3152.	4.0	2
125	Current Application of Advancing Spectroscopy Techniques in Food Analysis: Data Handling with Chemometric Approaches. Foods, 2023, 12, 2753.	4.3	12
126	Enhancing resilience in agricultural production systems with AI-based technologies. Environment, Development and Sustainability, 0, , .	5.0	1
127	An extensive review on agricultural robots with a focus on their perception systems. Computers and Electronics in Agriculture, 2023, 212, 108146.	7.7	4

#	Article	IF	CITATIONS
128	Hyperspectral Imaging for Fresh-Cut Fruit and Vegetable Quality Assessment: Basic Concepts and Applications. Applied Sciences (Switzerland), 2023, 13, 9740.	2.5	1
129	Hyperspectral image analysis for the evaluation of chilling injury in avocado fruit during cold storage. Postharvest Biology and Technology, 2023, 206, 112548.	6.0	2
130	Radial grid reflectance correction for hyperspectral images of fruits with rounded surfaces. Computers and Electronics in Agriculture, 2023, 213, 108179.	7.7	1
131	Bibliometrics and Visual Analysis of Non-Destructive Testing Technology for Fruit Quality. Horticulturae, 2023, 9, 1091.	2.8	0
132	Hydrocarbon microseepage information extracting and oil-gas prospective area prediction based on landsat-8 remote sensing images. , 2023, , .		0
133	Near infrared hyperspectral imaging as a sorting tool for deoxynivalenol reduction in wheat batches. Food Research International, 2024, 178, 113984.	6.2	0
134	Imaging Techniques for Fresh Produce Damage detection. , 2023, , 45-68.		0
135	Cotton Verticillium wilt monitoring based on UAV multispectral-visible multi-source feature fusion. Computers and Electronics in Agriculture, 2024, 217, 108628.	7.7	0
136	Wavelength selection method for near-infrared spectroscopy based on Max-Relevance Min-Redundancy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2024, 310, 123933.	3.9	0
137	Detection of bruises on red apples using deep learning models. Scientia Horticulturae, 2024, 329, 113021.	3.6	0

138 Computer Vision-Based Smart Monitoring and Control System for Crop. , 2024, , 65-82.