Image-based field monitoring of Cercospora leaf spot in matching and pattern recognition

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Citation Report

#	Article	IF	CITATIONS
1	Identification of Alfalfa Leaf Diseases Using Image Recognition Technology. PLoS ONE, 2016, 11, e0168274.	1.1	136
2	Identifying multiple plant diseases using digital image processing. Biosystems Engineering, 2016, 147, 104-116.	1.9	117
3	Multi-template matching algorithm for cucumber recognition in natural environment. Computers and Electronics in Agriculture, 2016, 127, 754-762.	3.7	33
4	A review on the main challenges in automatic plant disease identification based on visible range images. Biosystems Engineering, 2016, 144, 52-60.	1.9	394
5	On developing and enhancing plant-level disease rating systems in real fields. Pattern Recognition, 2016, 53, 287-299.	5.1	33
6	A segmentation method for greenhouse vegetable foliar disease spots images using color information and region growing. Computers and Electronics in Agriculture, 2017, 142, 110-117.	3.7	96
7	A new automatic method for disease symptom segmentation in digital photographs of plant leaves. European Journal of Plant Pathology, 2017, 147, 349-364.	0.8	69
8	Curvature-based pattern recognition for cultivar classification of Anthurium flowers. Postharvest Biology and Technology, 2018, 139, 67-74.	2.9	18
9	Automated identification of sugar beet diseases using smartphones. Plant Pathology, 2018, 67, 399-410.	1.2	35
10	Comparison and Quantification Analysis Method of Urban Energy Consumption Features from Perspective of Urban Energy Interconnection. Energy Procedia, 2018, 145, 265-270.	1.8	3
11	A Cognitive Vision Method for Insect Pest Image Segmentation. IFAC-PapersOnLine, 2018, 51, 85-89.	0.5	19
12	Segmentation of Crop Disease Images with an Improved K-means Clustering Algorithm. Applied Engineering in Agriculture, 2018, 34, 277-289.	0.3	29
13	Automated framework for accurate segmentation of leaf images for plant health assessment. Environmental Monitoring and Assessment, 2019, 191, 491.	1.3	16
14	Crop yield prediction: two-tiered machine learning model approach. International Journal of Information Technology (Singapore), 2019, , 1.	1.8	20
15	Early Detection of Magnaporthe oryzae-Infected Barley Leaves and Lesion Visualization Based on Hyperspectral Imaging. Frontiers in Plant Science, 2018, 9, 1962.	1.7	25
16	Automatic Disease Symptoms Segmentation Optimized for Dissimilarity Feature Extraction in Digital Photographs of Plant Leaves. , 2019, , .		4
17	Development of a Recognition System for Alfalfa Leaf Diseases Based on Image Processing Technology. IFIP Advances in Information and Communication Technology, 2019, , 218-235.	0.5	0
18	Group-housed pig detection in video surveillance of overhead views using multi-feature template matching. Biosystems Engineering, 2019, 181, 28-39.	1.9	21

#	Article	IF	CITATIONS
19	An effective automatic system deployed in agricultural Internet of Things using Multi-Context Fusion Network towards crop disease recognition in the wild. Applied Soft Computing Journal, 2020, 89, 106128.	4.1	51
20	Precise Statistical Approach for Leaf Segmentation. , 2020, , .		3
21	A vision-based hybrid approach for identification of Anthurium flower cultivars. Computers and Electronics in Agriculture, 2020, 174, 105460.	3.7	14
22	Sensing Methodologies in Agriculture for Monitoring Biotic Stress in Plants Due to Pathogens and Pests. Inventions, 2021, 6, 29.	1.3	17
23	UAV-Based Classification of Cercospora Leaf Spot Using RGB Images. Drones, 2021, 5, 34.	2.7	26
24	A Novel DWT and Deep Learning Based Feature Extraction Technique for Plant Disease Identification. Advances in Intelligent Systems and Computing, 2022, , 355-367.	0.5	3
25	Effect of lacto-fermentation and freeze-drying on the quality of beetroot evaluated using machine vision and sensory analysis. European Food Research and Technology, 2022, 248, 153-161.	1.6	12
26	EFDet: An efficient detection method for cucumber disease under natural complex environments. Computers and Electronics in Agriculture, 2021, 189, 106378.	3.7	24
27	A General Survey on Plants Disease Detection Using Image Processing, Deep Transfer Learning and Machine Learning Techniques. Lecture Notes in Computer Science, 2021, , 210-224.	1.0	1
28	Rice-Fusion: A Multimodality Data Fusion Framework for Rice Disease Diagnosis. IEEE Access, 2022, 10, 5207-5222.	2.6	58
29	Current status of Cercosporoid fungi in India, effective management strategies and future directions. Indian Phytopathology, 2022, 75, 303-314.	0.7	2
30	A survey on smart farming data, applications and techniques. Computers in Industry, 2022, 138, 103624.	5.7	48
31	On Using Artificial Intelligence and the Internet of Things for Crop Disease Detection: A Contemporary Survey. Agriculture (Switzerland), 2022, 12, 9.	1.4	54
32	Image Matching Algorithm Based on the Pattern Recognition Genetic Algorithm. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.1	6
34	Rapid image detection and recognition of rice false smut based on mobile smart devices with anti-light features from cloud database. Biosystems Engineering, 2022, 218, 229-244.	1.9	6
35	Convolution Neural Network Based Classification of Plant Leaf Disease Images. Lecture Notes in Electrical Engineering, 2022, , 511-527.	0.3	0
36	A Study on Core Challenges in Coffee Plant Leave Disease Segmentation and Identification on Various Factors. Lecture Notes in Electrical Engineering, 2023, , 433-446.	0.3	0
38	A study on computer aided automatic leaf disease classification techniques. AIP Conference Proceedings, 2023, , .	0.3	0

3

#	Article	IF	CITATIONS
39	Harmonizing Nature and Technology: CNN-SVM for Cercospora Leaf Spot Disease Recognition in Chilli Plants., 2023,,.		0
40	Machine Learning (ML) Algorithms on IoT and Drone Data for Smart Farming. Signals and Communication Technology, 2024, , 179-206.	0.4	0