Dongjian He

List of Publications by Year
in descending order

		394286	289141
54	2,007	19	40
papers	citations	h-index	g-index
54	54	54	1367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of Apple Leaf Diseases Based on Deep Convolutional Neural Networks. Symmetry, 2018, 10, 11.	1.1	472
2	Real-Time Detection of Apple Leaf Diseases Using Deep Learning Approach Based on Improved Convolutional Neural Networks. IEEE Access, 2019, 7, 59069-59080.	2.6	437
3	Channel pruned YOLO V5s-based deep learning approach for rapid and accurate apple fruitlet detection before fruit thinning. Biosystems Engineering, 2021, 210, 271-281.	1.9	142
4	Grape Leaf Disease Identification Using Improved Deep Convolutional Neural Networks. Frontiers in Plant Science, 2020, 11, 1082.	1.7	102
5	Immature green citrus detection based on colour feature and sum of absolute transformed difference (SATD) using colour images in the citrus grove. Computers and Electronics in Agriculture, 2016, 124, 243-253.	3.7	75
6	A computer vision-based method for spatial-temporal action recognition of tail-biting behaviour in group-housed pigs. Biosystems Engineering, 2020, 195, 27-41.	1.9	70
7	Identification of Apple Tree Leaf Diseases Based on Deep Learning Models. Symmetry, 2020, 12, 1065.	1.1	66
8	A Spark-Based Parallel Fuzzy c -Means Segmentation Algorithm for Agricultural Image Big Data. IEEE Access, 2019, 7, 42169-42180.	2.6	43
9	Early Visual Detection of Wheat Stripe Rust Using Visible/Near-Infrared Hyperspectral Imaging. Sensors, 2019, 19, 952.	2.1	40
10	Convex Non-Negative Matrix Factorization With Adaptive Graph for Unsupervised Feature Selection. IEEE Transactions on Cybernetics, 2022, 52, 5522-5534.	6.2	36
11	Deep Learning Approach for Apple Edge Detection to Remotely Monitor Apple Growth in Orchards. IEEE Access, 2020, 8, 26911-26925.	2.6	32
12	A Machine Vision-Based Method for Monitoring Scene-Interactive Behaviors of Dairy Calf. Animals, 2020, 10, 190.	1.0	32
13	C3D-ConvLSTM based cow behaviour classification using video data for precision livestock farming. Computers and Electronics in Agriculture, 2022, 193, 106650.	3.7	30
14	Automatic estimation of dairy cattle body condition score from depth image using ensemble model. Biosystems Engineering, 2020, 194, 16-27.	1.9	27
15	Identification of Apple Leaf Diseases by Improved Deep Convolutional Neural Networks With an Attention Mechanism. Frontiers in Plant Science, 2021, 12, 723294.	1.7	27
16	Intrinsic brain subsystem associated with dietary restraint, disinhibition and hunger: an fMRI study. Brain Imaging and Behavior, 2017, 11, 264-277.	1.1	26
17	Automatic detection and counting of urediniospores of Puccinia striiformis f. sp. tritici using spore traps and image processing. Scientific Reports, 2018, 8, 13647.	1.6	26
18	Soluble solid content and firmness index assessment and maturity discrimination of Malus micromalus Makino based on near-infrared hyperspectral imaging. Food Chemistry, 2022, 370, 131013.	4.2	26

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19	Recognition and localization of occluded apples using K-means clustering algorithm and convex hull theory: a comparison. Multimedia Tools and Applications, 2016, 75, 3177-3198.	2.6	24
20	A self-adaptive segmentation method for a point cloud. Visual Computer, 2018, 34, 659-673.	2.5	23
21	Construction of Apple Leaf Diseases Identification Networks Based on Xception Fused by SE Module. Applied Sciences (Switzerland), 2021, 11, 4614.	1.3	23
22	Age-Related Decreases in Interhemispheric Resting-State Functional Connectivity and Their Relationship With Executive Function. Frontiers in Aging Neuroscience, 2020, 12, 20.	1.7	22
23	Combining SUN-based visual attention model and saliency contour detection algorithm for apple image segmentation. Multimedia Tools and Applications, 2019, 78, 17391-17411.	2.6	17
24	Adaptive Kalman filtering based on optimal autoregressive predictive model. GPS Solutions, 2017, 21, 307-317.	2.2	16
25	Precision Landing Test and Simulation of the Agricultural UAV on Apron. Sensors, 2020, 20, 3369.	2.1	15
26	Tomato Young Fruits Detection Method under Near Color Background Based on Improved Faster R-CNN with Attention Mechanism. Agriculture (Switzerland), 2021, 11, 1059.	1.4	15
27	An intelligent method for dairy goat tracking based on Siamese network. Computers and Electronics in Agriculture, 2022, 193, 106636.	3.7	14
28	3D Segmentation of Pulmonary Nodules Based on Multi-View and Semi-Supervised. IEEE Access, 2020, 8, 26457-26467.	2.6	13
29	Realistic animation of interactive trees. Visual Computer, 2012, 28, 859-868.	2.5	12
30	Contrasting dorsal caudate functional connectivity patterns between frontal and temporal cortex with BMI increase: link to cognitive flexibility. International Journal of Obesity, 2021, 45, 2608-2616.	1.6	12
31	A Novel Chicken Meat Quality Evaluation Method Based on Color Card Localization and Color Correction. IEEE Access, 2020, 8, 170093-170100.	2.6	11
32	An efficient wood image retrieval using SURF descriptor. , 2009, , .		9
33	Semi-Supervised Fuzzy Clustering with Feature Discrimination. PLoS ONE, 2015, 10, e0131160.	1.1	8
34	Separate weighing of male and female broiler breeders by electronic platform weigher using camera technologies. Computers and Electronics in Agriculture, 2021, 182, 106009.	3.7	8
35	Accelerating 2D orthogonal matching pursuit algorithm on GPU. Journal of Supercomputing, 2014, 69, 1363-1381.	2.4	7
36	Multiâ€baseline InSAR phase unwrapping method based on mixedâ€integer optimisation model. IET Radar, Sonar and Navigation, 2018, 12, 694-701.	0.9	7

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37	Extracting the symmetry axes of partially occluded single apples in natural scene using convex hull theory and shape context algorithm. Multimedia Tools and Applications, 2017, 76, 14075-14089.	2.6	6
38	Ensemble of multiple descriptors for automatic image annotation. , 2010, , .		5
39	Combining an information-maximization-based attention mechanism and illumination invariance theory for the recognition of green apples in natural scenes. Multimedia Tools and Applications, 2020, 79, 28301-28327.	2.6	5
40	Fine-Grained Grape Leaf Diseases Recognition Method Based on Improved Lightweight Attention Network. Frontiers in Plant Science, 2021, 12, 738042.	1.7	5
41	Hydraulic Erosion Simulation Using Finite Volume Method on Graphics Processing Unit. , 2009, , .		4
42	Combining fuzzy set theory and nonlinear stretching enhancement for unsupervised classification of cotton root rot. Journal of Applied Remote Sensing, 2015, 9, 096013.	0.6	4
43	Research on GEP Algorithm and Its Applications in Foodstuff Yield Prediction from Shaanxi Province. , 2008, , .		2
44	A New Bi-cubic Triangular Gregory Patch. , 2008, , .		2
45	Blind-Road Location and Recognition in Natural Scene. , 2009, , .		2
46	Weed seeds recognition using Locally Linear Embedding. , 2009, , .		2
47	Realistic texture synthesis for point-based fruitage phenotype. Computers in Biology and Medicine, 2018, 92, 42-54.	3.9	2
48	Research on Background Reconstruction Based on Prediction and Filtering. , 2008, , .		1
49	Construct G1 Smooth Surface by Using Triangular Gregory Patches. , 2009, , .		1
50	Feature-Enhanced Surfaces from Incomplete Point Cloud with Segmentation and Curve Skeleton Information. , 2017, , .		1
51	A Neural Networks Evolving Method Based on Gene Expression Programming. , 2008, , .		0
52	Bottom-up saliency estimation using sparse representation and structural redundancy reduction. Multimedia Tools and Applications, 2015, 74, 9647-9663.	2.6	0
53	Motion Capture and Estimation of Dynamic Properties for Realistic Tree Animation. Lecture Notes in Computer Science, 2017, , 18-34.	1.0	0
54	Realistic Modeling of Tree Ramifications from an Optimal Manifold Control Mesh. Lecture Notes in Computer Science, 2019, , 316-332.	1.0	0