

# Dongjian He

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

823  
citations

13  
h-index

28  
g-index

54  
ext. papers

1,382  
ext. citations

3.9  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
52	Identification of Apple Leaf Diseases Based on Deep Convolutional Neural Networks. <i>Symmetry</i> , <b>2018</b> , 10, 11	2.7	240
51	Real-Time Detection of Apple Leaf Diseases Using Deep Learning Approach Based on Improved Convolutional Neural Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 59069-59080	3.5	162
50	Immature green citrus detection based on colour feature and sum of absolute transformed difference (SATD) using colour images in the citrus grove. <i>Computers and Electronics in Agriculture</i> , <b>2016</b> , 124, 243-253	6.5	48
49	A computer vision-based method for spatial-temporal action recognition of tail-biting behaviour in group-housed pigs. <i>Biosystems Engineering</i> , <b>2020</b> , 195, 27-41	4.8	29
48	Grape Leaf Disease Identification Using Improved Deep Convolutional Neural Networks. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1082	6.2	28
47	Identification of Apple Tree Leaf Diseases Based on Deep Learning Models. <i>Symmetry</i> , <b>2020</b> , 12, 1065	2.7	27
46	A Spark-Based Parallel Fuzzy $c$ -Means Segmentation Algorithm for Agricultural Image Big Data. <i>IEEE Access</i> , <b>2019</b> , 7, 42169-42180	3.5	24
45	Early Visual Detection of Wheat Stripe Rust Using Visible/Near-Infrared Hyperspectral Imaging. <i>Sensors</i> , <b>2019</b> , 19,	3.8	21
44	Recognition and localization of occluded apples using K-means clustering algorithm and convex hull theory: a comparison. <i>Multimedia Tools and Applications</i> , <b>2016</b> , 75, 3177-3198	2.5	18
43	A self-adaptive segmentation method for a point cloud. <i>Visual Computer</i> , <b>2018</b> , 34, 659-673	2.3	17
42	Intrinsic brain subsystem associated with dietary restraint, disinhibition and hunger: an fMRI study. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 264-277	4.1	16
41	A Machine Vision-Based Method for Monitoring Scene-Interactive Behaviors of Dairy Calf. <i>Animals</i> , <b>2020</b> , 10,	3.1	16
40	Deep Learning Approach for Apple Edge Detection to Remotely Monitor Apple Growth in Orchards. <i>IEEE Access</i> , <b>2020</b> , 8, 26911-26925	3.5	14
39	Age-Related Decreases in Interhemispheric Resting-State Functional Connectivity and Their Relationship With Executive Function. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 20	5.3	12
38	Adaptive Kalman filtering based on optimal autoregressive predictive model. <i>GPS Solutions</i> , <b>2017</b> , 21, 307-317	4.4	11
37	Channel pruned YOLO V5s-based deep learning approach for rapid and accurate apple fruitlet detection before fruit thinning. <i>Biosystems Engineering</i> , <b>2021</b> , 210, 271-281	4.8	11
36	Realistic animation of interactive trees. <i>Visual Computer</i> , <b>2012</b> , 28, 859-868	2.3	10

35	Automatic detection and counting of urediniospores of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> using spore traps and image processing. <i>Scientific Reports</i> , <b>2018</b> , 8, 13647	4.9	10
34	Precision Landing Test and Simulation of the Agricultural UAV on Apron. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
33	Automatic estimation of dairy cattle body condition score from depth image using ensemble model. <i>Biosystems Engineering</i> , <b>2020</b> , 194, 16-27	4.8	9
32	Combining SUN-based visual attention model and saliency contour detection algorithm for apple image segmentation. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 17391-17411	2.5	8
31	Semi-Supervised Fuzzy Clustering with Feature Discrimination. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131160	3.7	7
30	Accelerating 2D orthogonal matching pursuit algorithm on GPU. <i>Journal of Supercomputing</i> , <b>2014</b> , 69, 1363-1381	2.5	5
29	An efficient wood image retrieval using SURF descriptor <b>2009</b> ,		5
28	Convex Non-Negative Matrix Factorization With Adaptive Graph for Unsupervised Feature Selection. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	5
27	Multi-baseline InSAR phase unwrapping method based on mixed-integer optimisation model. <i>IET Radar, Sonar and Navigation</i> , <b>2018</b> , 12, 694-701	1.4	5
26	Construction of Apple Leaf Diseases Identification Networks Based on Xception Fused by SE Module. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4614	2.6	5
25	3D Segmentation of Pulmonary Nodules Based on Multi-View and Semi-Supervised. <i>IEEE Access</i> , <b>2020</b> , 8, 26457-26467	3.5	4
24	Extracting the symmetry axes of partially occluded single apples in natural scene using convex hull theory and shape context algorithm. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 14075-14089	2.5	4
23	Combining fuzzy set theory and nonlinear stretching enhancement for unsupervised classification of cotton root rot. <i>Journal of Applied Remote Sensing</i> , <b>2015</b> , 9, 096013	1.4	4
22	Hydraulic Erosion Simulation Using Finite Volume Method on Graphics Processing Unit <b>2009</b> ,		4
21	A Novel Chicken Meat Quality Evaluation Method Based on Color Card Localization and Color Correction. <i>IEEE Access</i> , <b>2020</b> , 8, 170093-170100	3.5	3
20	Ensemble of multiple descriptors for automatic image annotation <b>2010</b> ,		3
19	Tomato Young Fruits Detection Method under Near Color Background Based on Improved Faster R-CNN with Attention Mechanism. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 1059	3	3
18	Soluble solid content and firmness index assessment and maturity discrimination of <i>Malus micromalus</i> Makino based on near-infrared hyperspectral imaging. <i>Food Chemistry</i> , <b>2022</b> , 370, 131013	8.5	3

17	Realistic texture synthesis for point-based fruitage phenotype. <i>Computers in Biology and Medicine</i> , <b>2018</b> , 92, 42-54	7	2
16	Blind-Road Location and Recognition in Natural Scene <b>2009</b> ,		2
15	Weed seeds recognition using Locally Linear Embedding <b>2009</b> ,		2
14	A New Bi-cubic Triangular Gregory Patch <b>2008</b> ,		2
13	C3D-ConvLSTM based cow behaviour classification using video data for precision livestock farming. <i>Computers and Electronics in Agriculture</i> , <b>2022</b> , 193, 106650	6.5	2
12	Combining an information-maximization-based attention mechanism and illumination invariance theory for the recognition of green apples in natural scenes. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 28301-28327	2.5	2
11	Separate weighing of male and female broiler breeders by electronic platform weigher using camera technologies. <i>Computers and Electronics in Agriculture</i> , <b>2021</b> , 182, 106009	6.5	2
10	Contrasting dorsal caudate functional connectivity patterns between frontal and temporal cortex with BMI increase: link to cognitive flexibility. <i>International Journal of Obesity</i> , <b>2021</b> , 45, 2608-2616	5.5	2
9	Identification of Apple Leaf Diseases by Improved Deep Convolutional Neural Networks With an Attention Mechanism. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 723294	6.2	2
8	Construct G1 Smooth Surface by Using Triangular Gregory Patches <b>2009</b> ,		1
7	Research on Background Reconstruction Based on Prediction and Filtering <b>2008</b> ,		1
6	Research on GEP Algorithm and Its Applications in Foodstuff Yield Prediction from Shaanxi Province <b>2008</b> ,		1
5	An intelligent method for dairy goat tracking based on Siamese network. <i>Computers and Electronics in Agriculture</i> , <b>2022</b> , 193, 106636	6.5	1
4	Fine-Grained Grape Leaf Diseases Recognition Method Based on Improved Lightweight Attention Network. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 738042	6.2	1
3	Bottom-up saliency estimation using sparse representation and structural redundancy reduction. <i>Multimedia Tools and Applications</i> , <b>2015</b> , 74, 9647-9663	2.5	
2	Realistic Modeling of Tree Ramifications from an Optimal Manifold Control Mesh. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 316-332	0.9	
1	Motion Capture and Estimation of Dynamic Properties for Realistic Tree Animation. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 18-34	0.9	