

# Dongjian He

## List of Publications by Year in Descending Order

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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	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
51	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
50	Soluble solid content and firmness index assessment and maturity discrimination of Malus micromalus Makino based on near-infrared hyperspectral imaging. <i>Food Chemistry</i> , <b>2022</b> , 370, 131013	8.5	3
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	Precision Landing Test and Simulation of the Agricultural UAV on Apron. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
41	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
40	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
39	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
38	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
37	A Machine Vision-Based Method for Monitoring Scene-Interactive Behaviors of Dairy Calf. <i>Animals</i> , <b>2020</b> , 10,	3.1	16
36	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

35	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
34	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
33	Grape Leaf Disease Identification Using Improved Deep Convolutional Neural Networks. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1082	6.2	28
32	Identification of Apple Tree Leaf Diseases Based on Deep Learning Models. <i>Symmetry</i> , <b>2020</b> , 12, 1065	2.7	27
31	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
30	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
29	Early Visual Detection of Wheat Stripe Rust Using Visible/Near-Infrared Hyperspectral Imaging. <i>Sensors</i> , <b>2019</b> , 19,	3.8	21
28	A Spark-Based Parallel Fuzzy $\epsilon$ -Means Segmentation Algorithm for Agricultural Image Big Data. <i>IEEE Access</i> , <b>2019</b> , 7, 42169-42180	3.5	24
27	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	
26	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
25	Realistic texture synthesis for point-based fruitage phenotype. <i>Computers in Biology and Medicine</i> , <b>2018</b> , 92, 42-54	7	2
24	A self-adaptive segmentation method for a point cloud. <i>Visual Computer</i> , <b>2018</b> , 34, 659-673	2.3	17
23	Identification of Apple Leaf Diseases Based on Deep Convolutional Neural Networks. <i>Symmetry</i> , <b>2018</b> , 10, 11	2.7	240
22	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
21	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
20	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
19	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
18	Adaptive Kalman filtering based on optimal autoregressive predictive model. <i>GPS Solutions</i> , <b>2017</b> , 21, 307-317	4.4	11

17	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	
16	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
15	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
14	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	
13	Semi-Supervised Fuzzy Clustering with Feature Discrimination. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131160	3.7	7
12	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
11	Accelerating 2D orthogonal matching pursuit algorithm on GPU. <i>Journal of Supercomputing</i> , <b>2014</b> , 69, 1363-1381	2.5	5
10	Realistic animation of interactive trees. <i>Visual Computer</i> , <b>2012</b> , 28, 859-868	2.3	10
9	Ensemble of multiple descriptors for automatic image annotation <b>2010</b> ,		3
8	Hydraulic Erosion Simulation Using Finite Volume Method on Graphics Processing Unit <b>2009</b> ,		4
7	Construct G1 Smooth Surface by Using Triangular Gregory Patches <b>2009</b> ,		1
6	Blind-Road Location and Recognition in Natural Scene <b>2009</b> ,		2
5	Weed seeds recognition using Locally Linear Embedding <b>2009</b> ,		2
4	An efficient wood image retrieval using SURF descriptor <b>2009</b> ,		5
3	Research on Background Reconstruction Based on Prediction and Filtering <b>2008</b> ,		1
2	Research on GEP Algorithm and Its Applications in Foodstuff Yield Prediction from Shaanxi Province <b>2008</b> ,		1
1	A New Bi-cubic Triangular Gregory Patch <b>2008</b> ,		2