Haiyue Wang

List of Publications by Year
in descending order

		759233	713466
44 papers	550 citations	12 h-index	21 g-index
45 all docs	45 docs citations	45 times ranked	482 citing authors

#	Article	IF	Citations
1	Segmentation of Lung Nodules Using Improved 3D-UNet Neural Network. Symmetry, 2020, 12, 1787.	2.2	60
2	Fatigue driving recognition network: fatigue driving recognition via convolutional neural network and long short‑term memory units. IET Intelligent Transport Systems, 2019, 13, 1410-1416.	3.0	46
3	Energy Efficiency of Massive MIMO Systems With Low-Resolution ADCs and Successive Interference Cancellation. IEEE Transactions on Wireless Communications, 2019, 18, 3987-4002.	9.2	44
4	Incomplete multi-modal representation learning for Alzheimer's disease diagnosis. Medical Image Analysis, 2021, 69, 101953.	11.6	44
5	Automatic fabric defect detection using a wide-and-light network. Applied Intelligence, 2021, 51, 4945-4961.	5.3	39
6	Multi-Scale Heterogeneous 3D CNN for False-Positive Reduction in Pulmonary Nodule Detection, Based on Chest CT Images. Applied Sciences (Switzerland), 2019, 9, 3261.	2.5	23
7	A Dual Convolution Network Using Dark Channel Prior for Image Smoke Classification. IEEE Access, 2019, 7, 60697-60706.	4.2	23
8	Automatic non-proliferative diabetic retinopathy screening system based on color fundus image. BioMedical Engineering OnLine, 2017, 16, 122.	2.7	21
9	Recognition for woven fabric pattern based on gradient histogram. Journal of the Textile Institute, 2014, 105, 744-752.	1.9	19
10	Fully Convolutional Neural Network With GRU for 3D Braided Composite Material Flaw Detection. IEEE Access, 2019, 7, 151180-151188.	4.2	19
11	Hatching eggs classification based on deep learning. Multimedia Tools and Applications, 2018, 77, 22071-22082.	3.9	17
12	Energy Efficiency of Uplink Massive MIMO Systems With Successive Interference Cancellation. IEEE Communications Letters, 2017, 21, 668-671.	4.1	16
13	A Dual-Channel convolution neural network for image smoke detection. Multimedia Tools and Applications, 2020, 79, 34587-34603.	3.9	14
14	Pest identification via hyperspectral image and deep learning. Signal, Image and Video Processing, 2022, 16, 873-880.	2.7	13
15	Knitted fabric structure recognition based on deep learning. Journal of the Textile Institute, 2018, 109, 1217-1223.	1.9	12
16	On the Performance of Massive MIMO Systems With Low-Resolution ADCs and MRC Receivers Over Rician Fading Channels. IEEE Systems Journal, 2021, 15, 4514-4524.	4.6	12
17	Fertility Detection of Hatching Eggs Based on a Convolutional Neural Network. Applied Sciences (Switzerland), 2019, 9, 1408.	2.5	11
18	Automated quality classification of colour fundus images based on a modified residual dense block network. Signal, Image and Video Processing, 2020, 14, 215-223.	2.7	11

#	Article	IF	Citations
19	On the Energy Efficiency of Massive MIMO Systems With Low-Resolution ADCs and Lattice Reduction Aided Detectors. Symmetry, 2020, 12, 406.	2.2	11
20	Diabetic macular edema grading based on improved Faster R-CNN and MD-ResNet. Signal, Image and Video Processing, 2021, 15, 743-751.	2.7	9
21	Automatic Recognition of Woven Fabric Pattern Based on TILT. Mathematical Problems in Engineering, 2018, 2018, 1-12.	1.1	8
22	Acoustic Field of a Linear Phased Array: A Simulation Study of Ultrasonic Circular Tube Material. Sensors, 2019, 19, 2352.	3.8	8
23	Spherical Nanoparticle Parameter Measurement Method based on Mask R-CNN Segmentation and Edge Fitting. , 2019, , .		8
24	Automatic recognition for striped woven fabric pattern. Journal of the Textile Institute, 2015, 106, 409-416.	1.9	7
25	Multi-Channel Feature Pyramid Networks for Prostate Segmentation, Based on Transrectal Ultrasound Imaging. Applied Sciences (Switzerland), 2020, 10, 3834.	2.5	6
26	DPSA: dense pixelwise spatial attention network for hatching egg fertility detection. Journal of Electronic Imaging, 2020, 29, 1.	0.9	6
27	Measurement of Period Length and Skew Angle Patterns of Textile Cutting Pieces Based on Faster R-CNN. Applied Sciences (Switzerland), 2019, 9, 3026.	2.5	5
28	Wool knitted fabric pilling objective evaluation based on double-branch convolutional neural network. Journal of the Textile Institute, 2021, 112, 1037-1045.	1.9	5
29	Design of optical system for binocular fundus camera. Computer Assisted Surgery, 2017, 22, 61-69.	1.3	4
30	Rodlike nanoparticle parameter measurement method based on improved Mask R-CNN segmentation. Signal, Image and Video Processing, 2021, 15, 579-587.	2.7	4
31	Fully Convolutional Network With Gated Recurrent Unit for Hatching Egg Activity Classification. IEEE Access, 2019, 7, 92378-92387.	4.2	3
32	End-to-End Multimodal 16-Day Hatching Eggs Classification. Symmetry, 2019, 11, 759.	2.2	3
33	Hatching egg classification based on CNN with channel weighting and joint supervision. Multimedia Tools and Applications, 2020, 79, 14389-14404.	3.9	3
34	Jujube Classification Based on a Convolution Neural Network with Multi-channel Weighting and Information Aggregation. Food Science and Technology Research, 2019, 25, 647-656.	0.6	3
35	Surface parameters measurement of braided preform based on local edge extreme. Journal of the Textile Institute, 2019, 110, 535-542.	1.9	2
36	Saliency detection via background prior and foreground seeds. Multimedia Tools and Applications, 2020, 79, 14849-14870.	3.9	2

#	Article	IF	Citations
37	Surface Parameter Measurement of Braided Composite Preform Based on Faster R-CNN. Fibers and Polymers, 2020, 21, 590-603.	2.1	2
38	Voice pathology detection and classification from speech signals and EGG signals based on a multimodal fusion method. Biomedizinische Technik, 2021, 66, 613-625.	0.8	2
39	Extracting Retinal Anatomy and Pathological Structure Using Multiscale Segmentation. Applied Sciences (Switzerland), 2019, 9, 3669.	2.5	1
40	Research on fundus image registration and fusion method based on nonsubsampled contourlet and adaptive pulse coupled neural network. Multimedia Tools and Applications, 2020, 79, 34795-34812.	3.9	1
41	Photoplethysmographic waveform detection for determining hatching egg activity via deep neural network. Signal, Image and Video Processing, 2022, 16, 955-963.	2.7	1
42	Defect detection of 3D braided composites based on semantic segmentation. Journal of the Textile Institute, 2023, 114, 574-583.	1.9	1
43	Vertex–level three–dimensional shape deformability measurement based on line segment advection. IET Computer Vision, 2018, 12, 520-526.	2.0	0
44	SYMMETRY DETECTION BASED ON PHASE INFORMATION. , 2004, , .		0