Haiyue Wang

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Defect detection of 3D braided composites based on semantic segmentation. Journal of the Textile Institute, 2023, 114, 574-583.	1.9	1
2	Pest identification via hyperspectral image and deep learning. Signal, Image and Video Processing, 2022, 16, 873-880.	2.7	13
3	Photoplethysmographic waveform detection for determining hatching egg activity via deep neural network. Signal, Image and Video Processing, 2022, 16, 955-963.	2.7	1
4	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
5	Rodlike nanoparticle parameter measurement method based on improved Mask R-CNN segmentation. Signal, Image and Video Processing, 2021, 15, 579-587.	2.7	4
6	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
7	Incomplete multi-modal representation learning for Alzheimer's disease diagnosis. Medical Image Analysis, 2021, 69, 101953.	11.6	44
8	Automatic fabric defect detection using a wide-and-light network. Applied Intelligence, 2021, 51, 4945-4961.	5.3	39
9	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
10	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
11	Hatching egg classification based on CNN with channel weighting and joint supervision. Multimedia Tools and Applications, 2020, 79, 14389-14404.	3.9	3
12	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
13	Saliency detection via background prior and foreground seeds. Multimedia Tools and Applications, 2020, 79, 14849-14870.	3.9	2
14	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
15	A Dual-Channel convolution neural network for image smoke detection. Multimedia Tools and Applications, 2020, 79, 34587-34603.	3.9	14
16	On the Energy Efficiency of Massive MIMO Systems With Low-Resolution ADCs and Lattice Reduction Aided Detectors. Symmetry, 2020, 12, 406.	2.2	11
17	Segmentation of Lung Nodules Using Improved 3D-UNet Neural Network. Symmetry, 2020, 12, 1787.	2.2	60
18	Multi-Channel Feature Pyramid Networks for Prostate Segmentation, Based on Transrectal Ultrasound Imaging. Applied Sciences (Switzerland), 2020, 10, 3834.	2.5	6

#	Article	IF	Citations
19	Surface Parameter Measurement of Braided Composite Preform Based on Faster R-CNN. Fibers and Polymers, 2020, 21, 590-603.	2.1	2
20	DPSA: dense pixelwise spatial attention network for hatching egg fertility detection. Journal of Electronic Imaging, 2020, 29, 1.	0.9	6
21	Surface parameters measurement of braided preform based on local edge extreme. Journal of the Textile Institute, 2019, 110, 535-542.	1.9	2
22	Fully Convolutional Network With Gated Recurrent Unit for Hatching Egg Activity Classification. IEEE Access, 2019, 7, 92378-92387.	4.2	3
23	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
24	Fully Convolutional Neural Network With GRU for 3D Braided Composite Material Flaw Detection. IEEE Access, 2019, 7, 151180-151188.	4.2	19
25	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
26	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
27	Extracting Retinal Anatomy and Pathological Structure Using Multiscale Segmentation. Applied Sciences (Switzerland), 2019, 9, 3669.	2.5	1
28	Acoustic Field of a Linear Phased Array: A Simulation Study of Ultrasonic Circular Tube Material. Sensors, 2019, 19, 2352.	3.8	8
29	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
30	End-to-End Multimodal 16-Day Hatching Eggs Classification. Symmetry, 2019, 11, 759.	2.2	3
31	A Dual Convolution Network Using Dark Channel Prior for Image Smoke Classification. IEEE Access, 2019, 7, 60697-60706.	4.2	23
32	Fertility Detection of Hatching Eggs Based on a Convolutional Neural Network. Applied Sciences (Switzerland), 2019, 9, 1408.	2.5	11
33	Spherical Nanoparticle Parameter Measurement Method based on Mask R-CNN Segmentation and Edge Fitting. , 2019, , .		8
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	Knitted fabric structure recognition based on deep learning. Journal of the Textile Institute, 2018, 109, 1217-1223.	1.9	12
36	Hatching eggs classification based on deep learning. Multimedia Tools and Applications, 2018, 77, 22071-22082.	3.9	17

#	Article	IF	Citations
37	Automatic Recognition of Woven Fabric Pattern Based on TILT. Mathematical Problems in Engineering, 2018, 2018, 1-12.	1.1	8
38	Vertex‐level three‐dimensional shape deformability measurement based on line segment advection. IET Computer Vision, 2018, 12, 520-526.	2.0	0
39	Energy Efficiency of Uplink Massive MIMO Systems With Successive Interference Cancellation. IEEE Communications Letters, 2017, 21, 668-671.	4.1	16
40	Design of optical system for binocular fundus camera. Computer Assisted Surgery, 2017, 22, 61-69.	1.3	4
41	Automatic non-proliferative diabetic retinopathy screening system based on color fundus image. BioMedical Engineering OnLine, 2017, 16, 122.	2.7	21
42	Automatic recognition for striped woven fabric pattern. Journal of the Textile Institute, 2015, 106, 409-416.	1.9	7
43	Recognition for woven fabric pattern based on gradient histogram. Journal of the Textile Institute, 2014, 105, 744-752.	1.9	19
44	SYMMETRY DETECTION BASED ON PHASE INFORMATION. , 2004, , .		0