

# Hong Song

## List of Publications by Year in descending order

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papers

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citations

840119

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docs citations

54  
times ranked

417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attention-Based DenseUnet Network With Adversarial Training for Skin Lesion Segmentation. IEEE Access, 2019, 7, 136616-136629.	2.6	41
2	Securing smart vehicles from relay attacks using machine learning. Journal of Supercomputing, 2020, 76, 2665-2682.	2.4	37
3	Automatic schizophrenic discrimination on fNIRS by using complex brain network analysis and SVM. BMC Medical Informatics and Decision Making, 2017, 17, 166.	1.5	35
4	Liver tumor segmentation in CT volumes using an adversarial densely connected network. BMC Bioinformatics, 2019, 20, 587.	1.2	27
5	Phase unwrapping based on a residual en-decoder network for phase images in Fourier domain Doppler optical coherence tomography. Biomedical Optics Express, 2020, 11, 1760.	1.5	24
6	Stenosis-DetNet: Sequence consistency-based stenosis detection for X-ray coronary angiography. Computerized Medical Imaging and Graphics, 2021, 89, 101900.	3.5	19
7	Denoising of MR and CT images using cascaded multi-supervision convolutional neural networks with progressive training. Neurocomputing, 2022, 469, 354-365.	3.5	19
8	Splitting touching cells based on concave-point and improved watershed algorithms. Frontiers of Computer Science, 2014, 8, 156-162.	1.6	15
9	Topology Optimization Using Multiple-Possibility Fusion for Vasculature Extraction. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 442-456.	5.6	14
10	Secure Passive Keyless Entry and Start System Using Machine Learning. Lecture Notes in Computer Science, 2018, , 304-313.	1.0	13
11	An automatic framework for endoscopic image restoration and enhancement. Applied Intelligence, 2021, 51, 1959-1971.	3.3	12
12	Classification of schizophrenia using general linear model and support vector machine via fNIRS. Physical and Engineering Sciences in Medicine, 2020, 43, 1151-1160.	1.3	11
13	Intrinsic layer based automatic specular reflection detection in endoscopic images. Computers in Biology and Medicine, 2021, 128, 104106.	3.9	11
14	Iterative closest graph matching for non-rigid 3D/2D coronary arteries registration. Computer Methods and Programs in Biomedicine, 2021, 199, 105901.	2.6	11
15	Breast Tissue 3D Segmentation and Visualization on MRI. International Journal of Biomedical Imaging, 2013, 2013, 1-8.	3.0	10
16	Nonrigid registration for tracking incompressible soft tissues with sliding motion. Medical Physics, 2019, 46, 4923-4939.	1.6	10
17	Attentive boundary aware network for multi-scale skin lesion segmentation with adversarial training. Multimedia Tools and Applications, 2020, 79, 27115-27136.	2.6	10
18	Automatic Liver Segmentation Using Multi-plane Integrated Fully Convolutional Neural Networks. , 2018, , .		8

#	ARTICLE	IF	CITATIONS
19	Spatio-Temporal Constrained Online Layer Separation for Vascular Enhancement in X-Ray Angiographic Image Sequence. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3558-3570.	5.6	8
20	Feasibility of Augmented Reality-Guided Transjugular Intrahepatic Portosystemic Shunt. Journal of Vascular and Interventional Radiology, 2020, 31, 2098-2103.	0.2	8
21	Four-Dimensional Wide-Field Ultrasound Reconstruction System With Sparse Respiratory Signal Matching. IEEE Transactions on Computational Imaging, 2021, 7, 234-247.	2.6	8
22	Calibrating 3D Scanner in the Coordinate System of Optical Tracker for Image-To-Patient Registration. Frontiers in Neurorobotics, 2021, 15, 636772.	1.6	8
23	Epidemiological and numerical simulation of rabies spreading from canines to various human populations in mainland China. PLoS Neglected Tropical Diseases, 2021, 15, e0009527.	1.3	8
24	Improved U-Net for Guidewire Tip Segmentation in X-ray Fluoroscopy Images. , 2019, , .		8
25	Portal Vein and Hepatic Vein Segmentation in Multi-Phase MR Images Using Flow-Guided Change Detection. IEEE Transactions on Image Processing, 2022, 31, 2503-2517.	6.0	7
26	Quantitation of Vascular Morphology by Directed Graph Construction. IEEE Access, 2019, 7, 21609-21622.	2.6	6
27	Automatic schizophrenia discrimination on fNIRS by using PCA and SVM. , 2016, , .		5
28	Liver Segmentation in CT Images Using a Non-Local Fully Convolutional Neural Network. , 2019, , .		5
29	Local-global active contour model based on tensor-based representation for 3D ultrasound vessel segmentation. Physics in Medicine and Biology, 2021, 66, 115017.	1.6	5
30	Dial/Hybrid Cascade 3DResUNet for Liver and Tumor Segmentation. , 2020, , .		5
31	Augmented reality navigation with real-time tracking for facial repair surgery. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 981-991.	1.7	5
32	Recursive Centerline- and Direction-Aware Joint Learning Network with Ensemble Strategy for Vessel Segmentation in X-ray Angiography Images. Computer Methods and Programs in Biomedicine, 2022, 220, 106787.	2.6	5
33	Multi-port Memory Design Methodology Based on Block Read and Write. , 2007, , .		4
34	Femoral head segmentation based on improved fully convolutional neural network for ultrasound images. Signal, Image and Video Processing, 2020, 14, 1043-1051.	1.7	4
35	Multi-modality liver image registration based on multilevel B-splines free-form deformation and L-BFGS optimal algorithm. Journal of Central South University, 2014, 21, 287-292.	1.2	3
36	Homography-based robust pose compensation and fusion imaging for augmented reality based endoscopic navigation system. Computers in Biology and Medicine, 2021, 138, 104864.	3.9	3

#	ARTICLE	IF	CITATIONS
37	CC-DenseUNet: Densely Connected U-Net with Criss-Cross Attention for Liver and Tumor Segmentation in CT Volumes. , 2021, , .		3
38	Network Properties and Latency of Triple-based Hierarchical Interconnection Network. , 2007, , .		2
39	Motion-flow-guided recurrent network for respiratory signal estimation of x-ray angiographic image sequences. Physics in Medicine and Biology, 2020, 65, 245020.	1.6	2
40	Surgical Workflow Recognition Using Two-Stream Mixed Convolution Network. , 2020, , .		2
41	An Overview of Abdominal Multi-organ Segmentation. Current Bioinformatics, 2021, 15, 866-877.	0.7	2
42	Ordered multi-path propagation for vessel centerline extraction. Physics in Medicine and Biology, 2021, 66, 155004.	1.6	2
43	An optimal ablation time prediction model based on minimizing the relapse risk. Computer Methods and Programs in Biomedicine, 2021, 212, 106438.	2.6	2
44	Short-Term Impacts of Meteorology, Air Pollution, and Internet Search Data on Viral Diarrhea Infection among Children in Jilin Province, China. International Journal of Environmental Research and Public Health, 2021, 18, 11615.	1.2	2
45	CFPA-Net: Cross-layer Feature Fusion And Parallel Attention Network For Detection And Classification of Prohibited Items in X-ray Baggage Images. , 2021, , .		2
46	Monte Carlo Tree Search for 3D/2D Registration of Vessel Graphs. , 2019, , .		1
47	Quantitative analysis of bony birth canal for periacetabular osteotomy patient by template fitting. Physics in Medicine and Biology, 2021, 66, 025007.	1.6	1
48	Locality Preserving based Motion Consensus for Endoscopic Image Feature Matching. , 2020, , .		1
49	Deep Patch Matching For Hand Vein Recognition. , 2019, , .		0
50	Towards Personalized Deformable and Mix-supervised Model for Robust MR-US Registration. , 2019, , .		0
51	A Structural Saliency-Based Approach for Automatic Intrahepatic Vascular Separation From Contrast-Enhanced Multi-Phase MR Images. , 2021, , .		0
52	Multi-level contexts aggregation for melanoma recognition under feature confusion regularization. Signal, Image and Video Processing, 0, , 1.	1.7	0
53	Venous Tree Separation based on Local Feature. , 2020, , .		0