

# Hong Song

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3914142/publications.pdf>

Version: 2024-02-01

53  
papers

454  
citations

840119

11  
h-index

887659

17  
g-index

54  
all docs

54  
docs citations

54  
times ranked

417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Denoising of MR and CT images using cascaded multi-supervision convolutional neural networks with progressive training. <i>Neurocomputing</i> , 2022, 469, 354-365.	3.5	19
2	Portal Vein and Hepatic Vein Segmentation in Multi-Phase MR Images Using Flow-Guided Change Detection. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 2503-2517.	6.0	7
3	Augmented reality navigation with real-time tracking for facial repair surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 981-991.	1.7	5
4	Recursive Centerline- and Direction-Aware Joint Learning Network with Ensemble Strategy for Vessel Segmentation in X-ray Angiography Images. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 220, 106787.	2.6	5
5	Intrinsic layer based automatic specular reflection detection in endoscopic images. <i>Computers in Biology and Medicine</i> , 2021, 128, 104106.	3.9	11
6	Iterative closest graph matching for non-rigid 3D/2D coronary arteries registration. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 199, 105901.	2.6	11
7	An automatic framework for endoscopic image restoration and enhancement. <i>Applied Intelligence</i> , 2021, 51, 1959-1971.	3.3	12
8	Quantitative analysis of bony birth canal for periacetabular osteotomy patient by template fitting. <i>Physics in Medicine and Biology</i> , 2021, 66, 025007.	1.6	1
9	An Overview of Abdominal Multi-organ Segmentation. <i>Current Bioinformatics</i> , 2021, 15, 866-877.	0.7	2
10	Four-Dimensional Wide-Field Ultrasound Reconstruction System With Sparse Respiratory Signal Matching. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 234-247.	2.6	8
11	Stenosis-DetNet: Sequence consistency-based stenosis detection for X-ray coronary angiography. <i>Computerized Medical Imaging and Graphics</i> , 2021, 89, 101900.	3.5	19
12	A Structural Saliency-Based Approach for Automatic Intrahepatic Vascular Separation From Contrast-Enhanced Multi-Phase MR Images. , 2021, , .		0
13	Calibrating 3D Scanner in the Coordinate System of Optical Tracker for Image-To-Patient Registration. <i>Frontiers in Neurorobotics</i> , 2021, 15, 636772.	1.6	8
14	Local-global active contour model based on tensor-based representation for 3D ultrasound vessel segmentation. <i>Physics in Medicine and Biology</i> , 2021, 66, 115017.	1.6	5
15	Epidemiological and numerical simulation of rabies spreading from canines to various human populations in mainland China. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009527.	1.3	8
16	Ordered multi-path propagation for vessel centerline extraction. <i>Physics in Medicine and Biology</i> , 2021, 66, 155004.	1.6	2
17	An optimal ablation time prediction model based on minimizing the relapse risk. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 212, 106438.	2.6	2
18	Homography-based robust pose compensation and fusion imaging for augmented reality based endoscopic navigation system. <i>Computers in Biology and Medicine</i> , 2021, 138, 104864.	3.9	3

#	ARTICLE	IF	CITATIONS
19	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
20	CC-DenseUNet: Densely Connected U-Net with Criss-Cross Attention for Liver and Tumor Segmentation in CT Volumes. , 2021, , .		3
21	CFPA-Net: Cross-layer Feature Fusion And Parallel Attention Network For Detection And Classification of Prohibited Items in X-ray Baggage Images. , 2021, , .		2
22	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
23	Securing smart vehicles from relay attacks using machine learning. Journal of Supercomputing, 2020, 76, 2665-2682.	2.4	37
24	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
25	Feasibility of Augmented Realityâ€“Guided Transjugular Intrahepatic Portosystemic Shunt. Journal of Vascular and Interventional Radiology, 2020, 31, 2098-2103.	0.2	8
26	Attentive boundary aware network for multi-scale skin lesion segmentation with adversarial training. Multimedia Tools and Applications, 2020, 79, 27115-27136.	2.6	10
27	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
28	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
29	Surgical Workflow Recognition Using Two-Stream Mixed Convolution Network. , 2020, , .		2
30	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
31	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
32	Dial/Hybrid Cascade 3DResUNet for Liver and Tumor Segmentation. , 2020, , .		5
33	Venous Tree Separation based on Local Feature. , 2020, , .		0
34	Locality Preserving based Motion Consensus for Endoscopic Image Feature Matching. , 2020, , .		1
35	Deep Patch Matching For Hand Vein Recognition. , 2019, , .		0
36	Nonrigid registration for tracking incompressible soft tissues with sliding motion. Medical Physics, 2019, 46, 4923-4939.	1.6	10

#	ARTICLE	IF	CITATIONS
37	Attention-Based DenseUnet Network With Adversarial Training for Skin Lesion Segmentation. IEEE Access, 2019, 7, 136616-136629.	2.6	41
38	Quantitation of Vascular Morphology by Directed Graph Construction. IEEE Access, 2019, 7, 21609-21622.	2.6	6
39	Towards Personalized Deformable and Mix-supervised Model for Robust MR-US Registration. , 2019, , .		0
40	Liver Segmentation in CT Images Using a Non-Local Fully Convolutional Neural Network. , 2019, , .		5
41	Monte Carlo Tree Search for 3D/2D Registration of Vessel Graphs. , 2019, , .		1
42	Liver tumor segmentation in CT volumes using an adversarial densely connected network. BMC Bioinformatics, 2019, 20, 587.	1.2	27
43	Improved U-Net for Guidewire Tip Segmentation in X-ray Fluoroscopy Images. , 2019, , .		8
44	Automatic Liver Segmentation Using Multi-plane Integrated Fully Convolutional Neural Networks. , 2018, , .		8
45	Secure Passive Keyless Entry and Start System Using Machine Learning. Lecture Notes in Computer Science, 2018, , 304-313.	1.0	13
46	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
47	Automatic schizophrenia discrimination on fNIRS by using PCA and SVM. , 2016, , .		5
48	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
49	Splitting touching cells based on concave-point and improved watershed algorithms. Frontiers of Computer Science, 2014, 8, 156-162.	1.6	15
50	Breast Tissue 3D Segmentation and Visualization on MRI. International Journal of Biomedical Imaging, 2013, 2013, 1-8.	3.0	10
51	Network Properties and Latency of Triple-based Hierarchical Interconnection Network. , 2007, , .		2
52	Multi-port Memory Design Methodology Based on Block Read and Write. , 2007, , .		4
53	Multi-level contexts aggregation for melanoma recognition under feature confusion regularization. Signal, Image and Video Processing, 0, , 1.	1.7	0