

# Hao Chen

## 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.

27  
papers

2,723  
citations

20  
h-index

27  
g-index

27  
ext. papers

3,894  
ext. citations

10.1  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
27	3-D RoI-Aware U-Net for Accurate and Efficient Colorectal Tumor Segmentation. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 5397-5408	10.2	20
26	Transformation-Consistent Self-Ensembling Model for Semisupervised Medical Image Segmentation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 523-534	10.3	70
25	Potentials of AI in medical image analysis in Gastroenterology and Hepatology. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2021</b> , 36, 31-38	4	7
24	An Artificial Intelligence System for the Detection of Bladder Cancer via Cystoscopy: A Multicenter Diagnostic Study. <i>Journal of the National Cancer Institute</i> , <b>2021</b> ,	9.7	4
23	Development and Evaluation of a Deep Learning Algorithm for Rib Segmentation and Fracture Detection from Multicenter Chest CT Images. <i>Radiology: Artificial Intelligence</i> , <b>2021</b> , 3, e200248	8.7	2
22	Towards a new generation of artificial intelligence in China. <i>Nature Machine Intelligence</i> , <b>2020</b> , 2, 312-316	2.5	30
21	Deep Mining External Imperfect Data for Chest X-Ray Disease Screening. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 3583-3594	11.7	19
20	UD-MIL: Uncertainty-Driven Deep Multiple Instance Learning for OCT Image Classification. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 3431-3442	7.2	18
19	Unsupervised Bidirectional Cross-Modality Adaptation via Deeply Synergistic Image and Feature Alignment for Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2494-2505	11.7	98
18	Rectifying Supporting Regions With Mixed and Active Supervision for Rib Fracture Recognition. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 3843-3854	11.7	3
17	Towards multi-center glaucoma OCT image screening with semi-supervised joint structure and function multi-task learning. <i>Medical Image Analysis</i> , <b>2020</b> , 63, 101695	15.4	20
16	Brain tumor segmentation with deep convolutional symmetric neural network. <i>Neurocomputing</i> , <b>2020</b> , 392, 305-313	5.4	43
15	Multi-task recurrent convolutional network with correlation loss for surgical video analysis. <i>Medical Image Analysis</i> , <b>2020</b> , 59, 101572	15.4	58
14	Multi-Task Deep Model With Margin Ranking Loss for Lung Nodule Analysis. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 718-728	11.7	39
13	Weakly Supervised Deep Learning for Whole Slide Lung Cancer Image Analysis. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3950-3962	10.2	63
12	RMDL: Recalibrated multi-instance deep learning for whole slide gastric image classification. <i>Medical Image Analysis</i> , <b>2019</b> , 58, 101549	15.4	55
11	Weakly supervised 3D deep learning for breast cancer classification and localization of the lesions in MR images. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 1144-1151	5.6	41

10	Fast ScanNet: Fast and Dense Analysis of Multi-Gigapixel Whole-Slide Images for Cancer Metastasis Detection. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 1948-1958	11.7	38
9	SINet: A Scale-Insensitive Convolutional Neural Network for Fast Vehicle Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 1010-1019	6.1	115
8	3D multi-scale FCN with random modality voxel dropout learning for Intervertebral Disc Localization and Segmentation from Multi-modality MR Images. <i>Medical Image Analysis</i> , <b>2018</b> , 45, 41-54	15.4	70
7	SV-RCNet: Workflow Recognition From Surgical Videos Using Recurrent Convolutional Network. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1114-1126	11.7	105
6	H-DenseUNet: Hybrid Densely Connected UNet for Liver and Tumor Segmentation From CT Volumes. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 2663-2674	11.7	703
5	Ultrasound Standard Plane Detection Using a Composite Neural Network Framework. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1576-1586	10.2	65
4	Integrating Online and Offline Three-Dimensional Deep Learning for Automated Polyp Detection in Colonoscopy Videos. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2017</b> , 21, 65-75	7.2	129
3	DCAN: Deep contour-aware networks for object instance segmentation from histology images. <i>Medical Image Analysis</i> , <b>2017</b> , 36, 135-146	15.4	234
2	Multilevel Contextual 3-D CNNs for False Positive Reduction in Pulmonary Nodule Detection. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2017</b> , 64, 1558-1567	5	295
1	Automatic Detection of Cerebral Microbleeds From MR Images via 3D Convolutional Neural Networks. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 1182-1195	11.7	379