Wenqi Li

List of Publications by Year in descending order

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Version: 2024-02-01

37 papers	5,634 citations	279798 23 h-index	454955 30 g-index
41 all docs	41 docs citations	41 times ranked	6187 citing authors

#	Article	IF	Citations
1	Learning joint segmentation of tissues and brain lesions from task-specific hetero-modal domain-shifted datasets. Medical Image Analysis, 2021, 67, 101862.	11.6	16
2	An artificial intelligence framework for automatic segmentation and volumetry of vestibular schwannomas from contrast-enhanced T1-weighted and high-resolution T2-weighted MRI. Journal of Neurosurgery, 2021, 134, 171-179.	1.6	60
3	Federated Whole Prostate Segmentation in MRI with Personalized Neural Architectures. Lecture Notes in Computer Science, 2021, , 357-366.	1.3	17
4	Federated semi-supervised learning for COVID region segmentation in chest CT using multi-national data from China, Italy, Japan. Medical Image Analysis, 2021, 70, 101992.	11.6	140
5	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. NeuroImage, 2020, 206, 116324.	4.2	160
6	The future of digital health with federated learning. Npj Digital Medicine, 2020, 3, 119.	10.9	887
7	LAMP: Large Deep Nets with Automated Model Parallelism for Image Segmentation. Lecture Notes in Computer Science, 2020, , 374-384.	1.3	7
8	DeepIGeoS: A Deep Interactive Geodesic Framework for Medical Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1559-1572.	13.9	269
9	Automatic Brain Tumor Segmentation Based on Cascaded Convolutional Neural Networks With Uncertainty Estimation. Frontiers in Computational Neuroscience, 2019, 13, 56.	2.1	142
10	Automatic Brain Tumor Segmentation Using Convolutional Neural Networks with Test-Time Augmentation. Lecture Notes in Computer Science, 2019, , 61-72.	1.3	57
11	Aleatoric uncertainty estimation with test-time augmentation for medical image segmentation with convolutional neural networks. Neurocomputing, 2019, 338, 34-45.	5.9	322
12	3D Convolutional Neural Network for Segmentation of the Urethra in Volumetric Ultrasound of the Pelvic Floor. , 2019, , .		2
13	Automatic Segmentation of Vestibular Schwannoma from T2-Weighted MRI by Deep Spatial Attention with Hardness-Weighted Loss. Lecture Notes in Computer Science, 2019, , 264-272.	1.3	30
14	Privacy-Preserving Federated Brain Tumour Segmentation. Lecture Notes in Computer Science, 2019, , 133-141.	1.3	219
15	Automatic Brain Tumor Segmentation Using Cascaded Anisotropic Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 178-190.	1.3	243
16	Interactive Medical Image Segmentation Using Deep Learning With Image-Specific Fine Tuning. IEEE Transactions on Medical Imaging, 2018, 37, 1562-1573.	8.9	541
17	NiftyNet: a deep-learning platform for medical imaging. Computer Methods and Programs in Biomedicine, 2018, 158, 113-122.	4.7	407
18	Structure Prediction for Gland Segmentation With Hand-Crafted and Deep Convolutional Features. IEEE Transactions on Medical Imaging, 2018, 37, 210-221.	8.9	36

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19	An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. Lecture Notes in Computer Science, 2018, , 313-320.	1.3	26
20	Weakly-supervised convolutional neural networks for multimodal image registration. Medical Image Analysis, 2018, 49, 1-13.	11.6	280
21	Deep Boosted Regression for MR to CT Synthesis. Lecture Notes in Computer Science, 2018, , 61-70.	1.3	7
22	Uncertainty in Multitask Learning: Joint Representations for Probabilistic MR-only Radiotherapy Planning. Lecture Notes in Computer Science, 2018, , 3-11.	1.3	25
23	Generalised Wasserstein Dice Score for Imbalanced Multi-class Segmentation UsingÂHolistic Convolutional Networks. Lecture Notes in Computer Science, 2018, , 64-76.	1.3	64
24	Multi-scale analysis of the surface morphology of colorectal polyps from optical tomography. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2017, 5, 318-328.	1.9	0
25	Scalable Multimodal Convolutional Networks for Brain Tumour Segmentation. Lecture Notes in Computer Science, 2017, , 285-293.	1.3	33
26	ToolNet: Holistically-nested real-time segmentation of robotic surgical tools. , 2017, , .		84
27	Real-Time Segmentation of Non-rigid Surgical Tools Based on Deep Learning and Tracking. Lecture Notes in Computer Science, 2017, , 84-95.	1.3	51
28	On the Compactness, Efficiency, and Representation of 3D Convolutional Networks: Brain Parcellation as a Pretext Task. Lecture Notes in Computer Science, 2017, , 348-360.	1.3	202
29	Generalised Dice Overlap as a Deep Learning Loss Function for Highly Unbalanced Segmentations. Lecture Notes in Computer Science, 2017, 2017, 240-248.	1.3	1,118
30	Gland segmentation in colon histology images using hand-crafted features and convolutional neural networks. , 2016, , .		38
31	Local structure prediction for gland segmentation. , 2016, , .		6
32	An automated pattern recognition system for classifying indirect immunofluorescence images of HEp-2 cells and specimens. Pattern Recognition, 2016, 51, 12-26.	8.1	70
33	Discriminating dysplasia: Optical tomographic texture analysis of colorectal polyps. Medical Image Analysis, 2015, 26, 57-69.	11.6	10
34	HEp-2 Cell Classification Using Multi-resolution Local Patterns and Ensemble SVMs. , 2014, , .		22
35	HEp-2 Specimen Classification Using Multi-resolution Local Patterns and SVM. , 2014, , .		6
36	Classification of colorectal polyp regions in optical projection tomography. , 2013, , .		5

#	Article	IF	Citations
37	Learning from Partially Annotated OPT Images by Contextual Relevance Ranking. Lecture Notes in Computer Science, 2013, 16, 429-436.	1.3	1