

# Wenqi Li

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

5,634  
citations

279487

23  
h-index

454577

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

6187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalised Dice Overlap as a Deep Learning Loss Function for Highly Unbalanced Segmentations. Lecture Notes in Computer Science, 2017, 2017, 240-248.	1.0	1,118
2	The future of digital health with federated learning. Npj Digital Medicine, 2020, 3, 119.	5.7	887
3	Interactive Medical Image Segmentation Using Deep Learning With Image-Specific Fine Tuning. IEEE Transactions on Medical Imaging, 2018, 37, 1562-1573.	5.4	541
4	NiftyNet: a deep-learning platform for medical imaging. Computer Methods and Programs in Biomedicine, 2018, 158, 113-122.	2.6	407
5	Aleatoric uncertainty estimation with test-time augmentation for medical image segmentation with convolutional neural networks. Neurocomputing, 2019, 338, 34-45.	3.5	322
6	Weakly-supervised convolutional neural networks for multimodal image registration. Medical Image Analysis, 2018, 49, 1-13.	7.0	280
7	DeepGeoS: A Deep Interactive Geodesic Framework for Medical Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1559-1572.	9.7	269
8	Automatic Brain Tumor Segmentation Using Cascaded Anisotropic Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 178-190.	1.0	243
9	Privacy-Preserving Federated Brain Tumour Segmentation. Lecture Notes in Computer Science, 2019, , 133-141.	1.0	219
10	On the Compactness, Efficiency, and Representation of 3D Convolutional Networks: Brain Parcellation as a Pretext Task. Lecture Notes in Computer Science, 2017, , 348-360.	1.0	202
11	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. NeuroImage, 2020, 206, 116324.	2.1	160
12	Automatic Brain Tumor Segmentation Based on Cascaded Convolutional Neural Networks With Uncertainty Estimation. Frontiers in Computational Neuroscience, 2019, 13, 56.	1.2	142
13	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.	7.0	140
14	ToolNet: Holistically-nested real-time segmentation of robotic surgical tools. , 2017, , .		84
15	An automated pattern recognition system for classifying indirect immunofluorescence images of HEP-2 cells and specimens. Pattern Recognition, 2016, 51, 12-26.	5.1	70
16	Generalised Wasserstein Dice Score for Imbalanced Multi-class Segmentation Using Holistic Convolutional Networks. Lecture Notes in Computer Science, 2018, , 64-76.	1.0	64
17	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.	0.9	60
18	Automatic Brain Tumor Segmentation Using Convolutional Neural Networks with Test-Time Augmentation. Lecture Notes in Computer Science, 2019, , 61-72.	1.0	57

#	ARTICLE	IF	CITATIONS
19	Real-Time Segmentation of Non-rigid Surgical Tools Based on Deep Learning and Tracking. Lecture Notes in Computer Science, 2017, , 84-95.	1.0	51
20	Gland segmentation in colon histology images using hand-crafted features and convolutional neural networks. , 2016, , .		38
21	Structure Prediction for Gland Segmentation With Hand-Crafted and Deep Convolutional Features. IEEE Transactions on Medical Imaging, 2018, 37, 210-221.	5.4	36
22	Scalable Multimodal Convolutional Networks for Brain Tumour Segmentation. Lecture Notes in Computer Science, 2017, , 285-293.	1.0	33
23	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.	1.0	30
24	An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. Lecture Notes in Computer Science, 2018, , 313-320.	1.0	26
25	Uncertainty in Multitask Learning: Joint Representations for Probabilistic MR-only Radiotherapy Planning. Lecture Notes in Computer Science, 2018, , 3-11.	1.0	25
26	HEp-2 Cell Classification Using Multi-resolution Local Patterns and Ensemble SVMs. , 2014, , .		22
27	Federated Whole Prostate Segmentation in MRI with Personalized Neural Architectures. Lecture Notes in Computer Science, 2021, , 357-366.	1.0	17
28	Learning joint segmentation of tissues and brain lesions from task-specific hetero-modal domain-shifted datasets. Medical Image Analysis, 2021, 67, 101862.	7.0	16
29	Discriminating dysplasia: Optical tomographic texture analysis of colorectal polyps. Medical Image Analysis, 2015, 26, 57-69.	7.0	10
30	Deep Boosted Regression for MR to CT Synthesis. Lecture Notes in Computer Science, 2018, , 61-70.	1.0	7
31	LAMP: Large Deep Nets with Automated Model Parallelism for Image Segmentation. Lecture Notes in Computer Science, 2020, , 374-384.	1.0	7
32	HEp-2 Specimen Classification Using Multi-resolution Local Patterns and SVM. , 2014, , .		6
33	Local structure prediction for gland segmentation. , 2016, , .		6
34	Classification of colorectal polyp regions in optical projection tomography. , 2013, , .		5
35	3D Convolutional Neural Network for Segmentation of the Urethra in Volumetric Ultrasound of the Pelvic Floor. , 2019, , .		2
36	Learning from Partially Annotated OPT Images by Contextual Relevance Ranking. Lecture Notes in Computer Science, 2013, 16, 429-436.	1.0	1

#	ARTICLE	IF	CITATIONS
37	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.	1.3	0