Liansheng Wang

List of Publications by Year
in descending order

36 papers	552 citations	623699 14 h-index	677123 22 g-index
36 all docs	36 docs citations	36 times ranked	657 citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate automated Cobb angles estimation using multi-view extrapolation net. Medical Image Analysis, 2019, 58, 101542.	11.6	58
2	ScanNet: A Fast and Dense Scanning Framework for Metastastic Breast Cancer Detection from Whole-Slide Image. , 2018, , .		48
3	Comparative validation of multi-instance instrument segmentation in endoscopy: Results of the ROBUST-MIS 2019 challenge. Medical Image Analysis, 2021, 70, 101920.	11.6	41
4	Image reconstruction with low-rankness and self-consistency of k-space data in parallel MRI. Medical Image Analysis, 2020, 63, 101687.	11.6	36
5	An Automated and Accurate Spine Curve Analysis System. IEEE Access, 2019, 7, 124596-124605.	4.2	34
6	Deep Sub-Region Network for Salient Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 728-741.	8.3	34
7	RP-Net: A 3D Convolutional Neural Network for Brain Segmentation From Magnetic Resonance Imaging. IEEE Access, 2019, 7, 39670-39679.	4.2	29
8	Generalized radiograph representation learning via cross-supervision between images and free-text radiology reports. Nature Machine Intelligence, 2022, 4, 32-40.	16.0	29
9	Dual-path network with synergistic grouping loss and evidence driven risk stratification for whole slide cervical image analysis. Medical Image Analysis, 2021, 69, 101955.	11.6	28
10	Nested Dilation Networks for Brain Tumor Segmentation Based on Magnetic Resonance Imaging. Frontiers in Neuroscience, 2019, 13, 285.	2.8	24
11	Development and Evaluation of a Deep Learning Algorithm for Rib Segmentation and Fracture Detection from Multicenter Chest CT Images. Radiology: Artificial Intelligence, 2021, 3, e200248.	5.8	19
12	Recent developments in machine learning for medical imaging applications. Computerized Medical Imaging and Graphics, 2017, 57, 1-3.	5.8	17
13	Evaluation and comparison of accurate automated spinal curvature estimation algorithms with spinal anterior-posterior X-Ray images: The AASCE2019 challenge. Medical Image Analysis, 2021, 72, 102115.	11.6	17
14	Nested Dilation Network (NDN) for Multi-Task Medical Image Segmentation. IEEE Access, 2019, 7, 44676-44685.	4.2	16
15	A segmentation and classification scheme for single tooth in MicroCT images based on 3D level set and k-means++. Computerized Medical Imaging and Graphics, 2017, 57, 19-28.	5.8	15
16	Conquering Data Variations in Resolution: A Slice-Aware Multi-Branch Decoder Network. IEEE Transactions on Medical Imaging, 2020, 39, 4174-4185.	8.9	14
17	An Automatic Segmentation and Classification Framework Based on PCNN Model for Single Tooth in MicroCT Images. PLoS ONE, 2016, 11, e0157694.	2.5	13
18	Early neoplasia identification in Barrett's esophagus via attentive hierarchical aggregation and self-distillation. Medical Image Analysis, 2021, 72, 102092.	11.6	13

#	Article	IF	Citations
19	Dice-XMBD: Deep Learning-Based Cell Segmentation for Imaging Mass Cytometry. Frontiers in Genetics, 2021, 12, 721229.	2.3	12
20	CT-Guided Survival Prediction of Esophageal Cancer. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2660-2669.	6.3	10
21	LNDb challenge on automatic lung cancer patient management. Medical Image Analysis, 2021, 70, 102027.	11.6	8
22	NUMERICAL SIMULATION OF TRANSIENT BLOOD FLOW THROUGH THE LEFT CORONARY ARTERY WITH VARYING DEGREES OF BIFURCATION ANGLES. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750005.	0.7	7
23	An improved parallel fuzzy connected image segmentation method based on CUDA. BioMedical Engineering OnLine, 2016, 15, 56.	2.7	5
24	An Active Learning with Two-step Query for Medical Image Segmentation. , 2019, , .		5
25	Two-Stage Segmentation Framework Based on Distance Transformation. Sensors, 2022, 22, 250.	3.8	5
26	UltraStrain: An NGS-Based Ultra Sensitive Strain Typing Method for Salmonella enterica. Frontiers in Genetics, 2019, 10, 276.	2.3	4
27	Real-time landmark detection for precise endoscopic submucosal dissection via shape-aware relation network. Medical Image Analysis, 2022, 75, 102291.	11.6	4
28	Spinal Curve Guide Network (SCG-Net) for Accurate Automated Spinal Curvature Estimation. Lecture Notes in Computer Science, 2020, , 107-112.	1.3	3
29	Simultaneous Alignment and Surface Regression Using Hybrid 2D-3D Networks for 3D Coherent Layer Segmentation of Retina OCT Images. Lecture Notes in Computer Science, 2021, , 108-118.	1.3	2
30	Snipe: highly sensitive pathogen detection from metagenomic sequencing data. Briefings in Bioinformatics, 2021, 22, .	6.5	2
31	A 3D Segmentation and Visualization Scheme for Solid and Non-solid Lung Lesions Based on Gaussian Filtering Regularized Level Set. , 2014, , .		0
32	EFFECT OF PROGRESSIVE DEGREES OF SIDE-BRANCH BIFURCATION ANGLES ON FLOW IN ARTERY USING NUMERICAL SIMULATION. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650043.	0.7	0
33	Direct aneurysm volume estimation by multi-view semi-supervised manifold learning. , 2017, , .		0
34	An ADMM-net Solution to Inverse Problem of Electrocardiology. , 2018, , .		0
35	Utility Balanced Classification for Automatic Electronic Medical Record Analysis. , 2018, , .		0
36	IDDF2021-ABS-0208â€¦Development of an automatic system to fast quantify marking and incision during endoscopic submucosal dissection. , 2021, , .		0