

Dong Nie

List of Publications by Year in descending order

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44
papers

3,186
citations

257429
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g-index

45
all docs

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docs citations

45
times ranked

4166
citing authors

#	ARTICLE	IF	CITATIONS
1	Explainable attention guided adversarial deep network for 3D radiotherapy dose distribution prediction. Knowledge-Based Systems, 2022, 241, 108324.	7.1	21
2	Convolutional neural networks for image synthesis. , 2022, , 91-104.		0
3	Cascaded MultiTask 3-D Fully Convolutional Networks for Pancreas Segmentation. IEEE Transactions on Cybernetics, 2021, 51, 2153-2165.	9.5	34
4	HF-UNet: Learning Hierarchically Inter-Task Relevance in Multi-Task U-Net for Accurate Prostate Segmentation in CT Images. IEEE Transactions on Medical Imaging, 2021, 40, 2118-2128.	8.9	42
5	Edge-preserving MRI image synthesis via adversarial network with iterative multi-scale fusion. Neurocomputing, 2021, 452, 63-77.	5.9	24
6	Synthetic digital reconstructed radiographs for MR-only robotic stereotactic radiation therapy: A proof of concept. Computers in Biology and Medicine, 2021, 138, 104917.	7.0	1
7	High-Resolution Encoder-Decoder Networks for Low-Contrast Medical Image Segmentation. IEEE Transactions on Image Processing, 2020, 29, 461-475.	9.8	126
8	One-Shot Generative Adversarial Learning for MRI Segmentation of Craniomaxillofacial Bony Structures. IEEE Transactions on Medical Imaging, 2020, 39, 787-796.	8.9	24
9	Task Decomposition and Synchronization for Semantic Biomedical Image Segmentation. IEEE Transactions on Image Processing, 2020, 29, 7497-7510.	9.8	14
10	Adversarial Confidence Learning for Medical Image Segmentation and Synthesis. International Journal of Computer Vision, 2020, 128, 2494-2513.	15.6	29
11	Multi-View Spatial Aggregation Framework for Joint Localization and Segmentation of Organs at Risk in Head and Neck CT Images. IEEE Transactions on Medical Imaging, 2020, 39, 2794-2805.	8.9	32
12	CT Male Pelvic Organ Segmentation via Hybrid Loss Network With Incomplete Annotation. IEEE Transactions on Medical Imaging, 2020, 39, 2151-2162.	8.9	14
13	Multi-scale Hierarchy Feature Fusion Generative Adversarial Network for Low-Dose CT Denoising. , 2020, , .		1
14	Hierarchical Representation For Ct Prostate Segmentation. , 2019, , .		2
15	CT male pelvic organ segmentation using fully convolutional networks with boundary sensitive representation. Medical Image Analysis, 2019, 54, 168-178.	11.6	72
16	Benchmark on Automatic Six-Month-Old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2219-2230.	8.9	136
17	Pelvic Organ Segmentation Using Distinctive Curve Guided Fully Convolutional Networks. IEEE Transactions on Medical Imaging, 2019, 38, 585-595.	8.9	79
18	Automatic brain labeling via multi-atlas guided fully convolutional networks. Medical Image Analysis, 2019, 51, 157-168.	11.6	27

#	ARTICLE	IF	CITATIONS
19	STRAINet: Spatially Varying Stochastic Residual Adversarial Networks for MRI Pelvic Organ Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1552-1564.	11.3	45
20	3-D Fully Convolutional Networks for Multimodal Isointense Infant Brain Image Segmentation. IEEE Transactions on Cybernetics, 2019, 49, 1123-1136.	9.5	133
21	RCA-U-Net: Residual Channel Attention U-Net for Fast Tissue Quantification in Magnetic Resonance Fingerprinting. Lecture Notes in Computer Science, 2019, 11766, 101-109.	1.3	22
22	Multi-Channel 3D Deep Feature Learning for Survival Time Prediction of Brain Tumor Patients Using Multi-Modal Neuroimages. Scientific Reports, 2019, 9, 1103.	3.3	133
23	Anatomical Landmark Based Deep Feature Representation for MR Images in Brain Disease Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1476-1485.	6.3	114
24	Interleaved 3D CNNs for joint segmentation of small volume structures in head and neck CT images. Medical Physics, 2018, 45, 2063-2075.	3.0	119
25	Medical Image Synthesis with Deep Convolutional Adversarial Networks. IEEE Transactions on Biomedical Engineering, 2018, 65, 2720-2730.	4.2	392
26	Deep embedding convolutional neural network for synthesizing CT image from T1-Weighted MR image. Medical Image Analysis, 2018, 47, 31-44.	11.6	137
27	Craniomaxillofacial Bony Structures Segmentation from MRI with Deep-Supervision Adversarial Learning. Lecture Notes in Computer Science, 2018, 11073, 720-727.	1.3	23
28	Volume-Based Analysis of 6-Month-Old Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis. Lecture Notes in Computer Science, 2018, 11072, 411-419.	1.3	61
29	Semi-supervised learning for pelvic MR image segmentation based on multi-task residual fully convolutional networks. , 2018, 2018, 885-888.		20
30	Pelvic Organ Segmentation Using Distinctive Curve Guided Fully Convolutional Networks. IEEE Transactions on Medical Imaging, 2018, , 1-1.	8.9	4
31	Automatic Accurate Infant Cerebellar Tissue Segmentation with Densely Connected Convolutional Network. Lecture Notes in Computer Science, 2018, 11046, 233-240.	1.3	3
32	Pelvic Organ Segmentation with Sample Attention based Stochastic Connection Networks. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2018, 2018, .	0.5	0
33	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. Human Brain Mapping, 2017, 38, 3081-3097.	3.6	64
34	Medical Image Synthesis with Context-Aware Generative Adversarial Networks. Lecture Notes in Computer Science, 2017, 10435, 417-425.	1.3	321
35	Segmentation of Craniomaxillofacial Bony Structures from MRI with a 3D Deep-Learning Based Cascade Framework. Lecture Notes in Computer Science, 2017, 10541, 266-273.	1.3	20
36	Deformable Image Registration Based on Similarity-Steered CNN Regression. Lecture Notes in Computer Science, 2017, 10433, 300-308.	1.3	121

#	ARTICLE	IF	CITATIONS
37	Joint Segmentation of Multiple Thoracic Organs in CT Images with Two Collaborative Deep Architectures. Lecture Notes in Computer Science, 2017, 10553, 21-29.	1.3	24
38	Citywide Estimation of Traffic Dynamics via Sparse GPS Traces. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 100-113.	3.8	38
39	Deep auto-context convolutional neural networks for standard-dose PET image estimation from low-dose PET/MRI. Neurocomputing, 2017, 267, 406-416.	5.9	205
40	Fully automated esophagus segmentation with a hierarchical deep learning approach. , 2017, 2017, 503-506.		13
41	Brain Image Labeling Using Multi-atlas Guided 3D Fully Convolutional Networks. Lecture Notes in Computer Science, 2017, 10530, 12-19.	1.3	8
42	Fully convolutional networks for multi-modality isointense infant brain image segmentation. , 2016, 2016, 1342-1345.		175
43	3D Deep Learning for Multi-modal Imaging-Guided Survival Time Prediction of Brain Tumor Patients. Lecture Notes in Computer Science, 2016, 9901, 212-220.	1.3	160
44	Estimating CT Image from MRI Data Using 3D Fully Convolutional Networks. Lecture Notes in Computer Science, 2016, 2016, 170-178.	1.3	151