

Chunfeng Lian

List of Publications by Citations

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Version: 2024-04-17

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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.

79
papers

959
citations

15
h-index

28
g-index

83
ext. papers

1,457
ext. citations

6.2
avg, IF

5.11
L-index

#	Paper	IF	Citations
79	Hierarchical Fully Convolutional Network for Joint Atrophy Localization and Alzheimer's Disease Diagnosis Using Structural MRI. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 880-893	13.3	136
78	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. <i>Medical Image Analysis</i> , 2018 , 46, 106-117	15.4	58
77	Selecting radiomic features from FDG-PET images for cancer treatment outcome prediction. <i>Medical Image Analysis</i> , 2016 , 32, 257-68	15.4	48
76	Automated detection and classification of thyroid nodules in ultrasound images using clinical-knowledge-guided convolutional neural networks. <i>Medical Image Analysis</i> , 2019 , 58, 101555	15.4	47
75	An evidential classifier based on feature selection and two-step classification strategy. <i>Pattern Recognition</i> , 2015 , 48, 2318-2327	7.7	45
74	Joint Tumor Segmentation in PET-CT Images Using Co-Clustering and Fusion Based on Belief Functions. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 755-766	8.7	45
73	Synthesizing Missing PET from MRI with Cycle-consistent Generative Adversarial Networks for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 455-463	0.9	45
72	Volume-Based Analysis of 6-Month-Old Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 411-419	0.9	41
71	Developmental topography of cortical thickness during infancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15855-15860	11.5	37
70	Spatial-Temporal Dependency Modeling and Network Hub Detection for Functional MRI Analysis via Convolutional-Recurrent Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2241-2252	5	30
69	Deep Multi-Scale Mesh Feature Learning for Automated Labeling of Raw Dental Surfaces From 3D Intraoral Scanners. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2440-2450	11.7	28
68	Weakly Supervised Deep Learning for Brain Disease Prognosis Using MRI and Incomplete Clinical Scores. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3381-3392	10.2	27
67	Dissimilarity Metric Learning in the Belief Function Framework. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1555-1564	8.3	25
66	Spatial Evidential Clustering With Adaptive Distance Metric for Tumor Segmentation in FDG-PET Images. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 21-30	5	20
65	Spatially-Constrained Fisher Representation for Brain Disease Identification With Incomplete Multi-Modal Neuroimages. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2965-2975	11.7	18
64	Morphology of perivascular spaces and enclosed blood vessels in young to middle-aged healthy adults at 7T: Dependences on age, brain region, and breathing gas. <i>NeuroImage</i> , 2020 , 218, 116978	7.9	15
63	Attention-Guided Hybrid Network for Dementia Diagnosis With Structural MR Images. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	15

62	Treatment Outcome Prediction for Cancer Patients based on Radiomics and Belief Function Theory. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019 , 3, 216-224	4.2	15
61	Iterative Label Denoising Network: Segmenting Male Pelvic Organs in CT From 3D Bounding Box Annotations. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2710-2720	5	14
60	A deep Boltzmann machine-driven level set method for heart motion tracking using cine MRI images. <i>Medical Image Analysis</i> , 2018 , 47, 68-80	15.4	14
59	Designing weighted correlation kernels in convolutional neural networks for functional connectivity based brain disease diagnosis. <i>Medical Image Analysis</i> , 2020 , 63, 101709	15.4	12
58	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. <i>NeuroImage</i> , 2019 , 198, 114-124	7.9	11
57	A Longitudinal MRI Study of Amygdala and Hippocampal Subfields for Infants with Risk of Autism. <i>Lecture Notes in Computer Science</i> , 2019 , 11849, 164-171	0.9	11
56	One-Shot Generative Adversarial Learning for MRI Segmentation of Craniomaxillofacial Bony Structures. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 787-796	11.7	11
55	Multimodality semantic segmentation based on polarization and color images. <i>Neurocomputing</i> , 2017 , 253, 193-200	5.4	10
54	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network. <i>Lecture Notes in Computer Science</i> , 2019 , 158-167	0.9	9
53	Triplet Graph Convolutional Network for Multi-scale Analysis of Functional Connectivity Using Functional MRI. <i>Lecture Notes in Computer Science</i> , 2019 , 70-78	0.9	9
52	Deep white matter hyperintensity is associated with the dilation of perivascular space. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2370-2380	7.3	8
51	HF-UNet: Learning Hierarchically Inter-Task Relevance in Multi-Task U-Net for Accurate Prostate Segmentation in CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2118-2128	11.7	8
50	Multi-task Dynamic Transformer Network for Concurrent Bone Segmentation and Large-Scale Landmark Localization with Dental CBCT.. <i>Lecture Notes in Computer Science</i> , 2020 , 12264, 807-816	0.9	7
49	Automatic Localization of Landmarks in Craniomaxillofacial CBCT Images Using a Local Attention-Based Graph Convolution Network.. <i>Lecture Notes in Computer Science</i> , 2020 , 12264, 817-826	0.9	7
48	Factors Associated With the Dilation of Perivascular Space in Healthy Elderly Subjects. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 624732	5.3	7
47	Diverse data augmentation for learning image segmentation with cross-modality annotations. <i>Medical Image Analysis</i> , 2021 , 71, 102060	15.4	7
46	CONSTRUCTION OF SPATIOTEMPORAL INFANT CORTICAL SURFACE ATLAS OF RHESUS MACAQUE 2018 , 2018, 704-707	1.5	7
45	MetricUNet: Synergistic image- and voxel-level learning for precise prostate segmentation via online sampling. <i>Medical Image Analysis</i> , 2021 , 71, 102039	15.4	6

44	Anatomy-Regularized Representation Learning for Cross-Modality Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 274-285	11.7	6
43	Outcome prediction in tumour therapy based on Dempster-Shafer theory 2015 ,		5
42	MeshSNet: Deep Multi-scale Mesh Feature Learning for End-to-End Tooth Labeling on 3D Dental Surfaces. <i>Lecture Notes in Computer Science</i> , 2019 , 837-845	0.9	5
41	Fast and Accurate Craniomaxillofacial Landmark Detection via 3D Faster R-CNN. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3867-3878	11.7	5
40	Estimating Reference Bony Shape Models for Orthognathic Surgical Planning Using 3D Point-Cloud Deep Learning. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 2958-2966	7.2	5
39	Multi-Task Weakly-Supervised Attention Network for Dementia Status Estimation With Structural MRI. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	5
38	A fully automatic AI system for tooth and alveolar bone segmentation from cone-beam CT images.. <i>Nature Communications</i> , 2022 , 13, 2096	17.4	5
37	TSGCNet: Discriminative Geometric Feature Learning with Two-Stream Graph Convolutional Network for 3D Dental Model Segmentation 2021 ,		4
36	SkullEngine: A Multi-Stage CNN Framework for Collaborative CBCT Image Segmentation and Landmark Detection.. <i>Lecture Notes in Computer Science</i> , 2021 , 12966, 606-614	0.9	4
35	Generalized Random Grid-Based Visual Secret Sharing for General Access Structures. <i>Computer Journal</i> , 2015 , 58, 2426-2442	1.3	3
34	Dempster-Shafer Theory Based Feature Selection with Sparse Constraint for Outcome Prediction in Cancer Therapy. <i>Lecture Notes in Computer Science</i> , 2015 , 695-702	0.9	3
33	Unsupervised co-segmentation of tumor in PET-CT images using belief functions based fusion 2018 ,		3
32	Anatomical-Landmark-Based Deep Learning for Alzheimer's Disease Diagnosis with Structural Magnetic Resonance Imaging. <i>Intelligent Systems Reference Library</i> , 2020 , 127-147	0.8	3
31	Asymmetrical Multi-task Attention U-Net for the Segmentation of Prostate Bed in CT Image. <i>Lecture Notes in Computer Science</i> , 2020 , 12264, 470-479	0.9	3
30	Robust Cancer Treatment Outcome Prediction Dealing with Small-Sized and Imbalanced Data from FDG-PET Images. <i>Lecture Notes in Computer Science</i> , 2016 , 61-69	0.9	3
29	Dilated perivascular space is related to reduced free-water in surrounding white matter among healthy adults and elderlies but not in patients with severe cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2561-2570	7.3	3
28	User-friendly random-grid-based visual secret sharing for general access structures. <i>Security and Communication Networks</i> , 2016 , 9, 966-976	1.9	3
27	Estimating Reference Shape Model for Personalized Surgical Reconstruction of Craniomaxillofacial Defects. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 362-373	5	3

26	White Matter Free Water is a Composite Marker of Cerebral Small Vessel Degeneration. <i>Translational Stroke Research</i> , 2021 , 1	7.8	3
25	Developing Novel Weighted Correlation Kernels for Convolutional Neural Networks to Extract Hierarchical Functional Connectivities from fMRI for Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 1-9	0.9	3
24	Active learning with noise modeling for medical image annotation 2018 ,		3
23	Asymmetric multi-task attention network for prostate bed segmentation in computed tomography images. <i>Medical Image Analysis</i> , 2021 , 72, 102116	15.4	3
22	High-Resolution Breast MRI Reconstruction Using a Deep Convolutional Generative Adversarial Network. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 1852-1858	5.6	2
21	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network 2019 , 11767, 158-167		2
20	Automatic Detection of Craniomaxillofacial Anatomical Landmarks on CBCT Images Using 3D Mask R-CNN. <i>Lecture Notes in Computer Science</i> , 2019 , 130-137	0.9	2
19	Quantity and Morphology of Perivascular Spaces: Associations With Vascular Risk Factors and Cerebral Small Vessel Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 1326-1336	5.6	2
18	Deep Bayesian Hashing With Center Prior for Multi-Modal Neuroimage Retrieval. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 503-513	11.7	2
17	DLLNet: An Attention-Based Deep Learning Method for Dental Landmark Localization on High-Resolution 3D Digital Dental Models.. <i>Lecture Notes in Computer Science</i> , 2021 , 12904, 478-487	0.9	2
16	Accurate tumor segmentation in FDG-PET images with guidance of complementary CT images 2017 ,		1
15	Automatic Segmentation of 3D Perivascular Spaces in 7T MR Images Using Multi-Channel Fully Convolutional Network 2018 , 2018,	0	1
14	Adaptive kernelized evidential clustering for automatic 3D tumor segmentation in FDGPET images. <i>Multimedia Systems</i> , 2019 , 25, 127-133	2.2	1
13	Deep Simulation of Facial Appearance Changes Following Craniomaxillofacial Bony Movements in Orthognathic Surgical Planning.. <i>Lecture Notes in Computer Science</i> , 2021 , 12904, 459-468	0.9	1
12	A Self-Supervised Deep Framework for Reference Bony Shape Estimation in Orthognathic Surgical Planning.. <i>Lecture Notes in Computer Science</i> , 2021 , 12904, 469-477	0.9	1
11	Heart motion tracking on cine MRI based on a deep Boltzmann machine-driven level set method 2018 ,		1
10	Unsupervised learning of reference bony shapes for orthognathic surgical planning with a surface deformation network. <i>Medical Physics</i> , 2021 , 48, 7735	4.4	1
9	Volumetric Analysis of Amygdala and Hippocampal Subfields for Infants with Autism.. <i>Journal of Autism and Developmental Disorders</i> , 2022 , 1	4.6	1

8	Skull Segmentation from CBCT Images via Voxel-Based Rendering.. <i>Lecture Notes in Computer Science</i> , 2021 , 12966, 615-623	0.9	o
7	Simulation of Postoperative Facial Appearances via Geometric Deep Learning for Efficient Orthognathic Surgical Planning. <i>IEEE Transactions on Medical Imaging</i> , 2022 , 1-1	11.7	o
6	Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties. <i>Lecture Notes in Computer Science</i> , 2019 , 11765, 841-849	0.9	
5	Joint Feature Transformation and Selection Based on Dempster-Shafer Theory. <i>Communications in Computer and Information Science</i> , 2016 , 253-261	0.3	
4	Sparse Dictionary Learning for 3D Craniomaxillofacial Skeleton Estimation Based on 2D Face Photographs 2021 , 41-53		
3	Machine (Deep) Learning for Orthodontic CAD/CAM Technologies 2021 , 117-129		
2	Machine Learning for CBCT Segmentation of Craniomaxillofacial Bony Structures 2021 , 3-13		
1	Machine Learning for Craniomaxillofacial Landmark Digitization of 3D Imaging 2021 , 15-26		