

Pew-Thian Yap

List of Publications by Year in descending order

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Version: 2024-02-01

425
papers

26,541
citations

4658

85
h-index

8396

147
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436
all docs

436
docs citations

436
times ranked

18952
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of Postoperative Facial Appearances via Geometric Deep Learning for Efficient Orthognathic Surgical Planning. IEEE Transactions on Medical Imaging, 2023, 42, 336-345.	8.9	8
2	Task-Induced Pyramid and Attention GAN for Multimodal Brain Image Imputation and Classification in Alzheimer's Disease. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 36-43.	6.3	51
3	Weakly Supervised Segmentation of COVID19 Infection with Scribble Annotation on CT Images. Pattern Recognition, 2022, 122, 108341.	8.1	88
4	Multi-Task Weakly-Supervised Attention Network for Dementia Status Estimation With Structural MRI. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4056-4068.	11.3	20
5	Two-Stream Graph Convolutional Network for Intra-Oral Scanner Image Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 826-835.	8.9	13
6	Altered Connectedness of the Brain Chronnectome During the Progression to Alzheimer's Disease. Neuroinformatics, 2022, 20, 391-403.	2.8	3
7	Recurrent Tissue-Aware Network for Deformable Registration of Infant Brain MR Images. IEEE Transactions on Medical Imaging, 2022, 41, 1219-1229.	8.9	11
8	Alterations of dynamic redundancy of functional brain subnetworks in Alzheimer's disease and major depression disorders. NeuroImage: Clinical, 2022, 33, 102917.	2.7	4
9	GAN-Guided Deformable Attention Network for Identifying Thyroid Nodules in Ultrasound Images. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1582-1590.	6.3	12
10	Special issue on machine learning and deep learning in magnetic resonance. NMR in Biomedicine, 2022, 35, e4713.	2.8	0
11	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. NeuroImage, 2022, 257, 119327.	4.2	17
12	Dual Adversarial Attention Mechanism for Unsupervised Domain Adaptive Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 3445-3453.	8.9	10
13	D2FE-GAN: Decoupled dual feature extraction based GAN for MRI image synthesis. Knowledge-Based Systems, 2022, 252, 109362.	7.1	11
14	Rapid Diffusion Magnetic Resonance Imaging Using Slice-Interleaved Encoding. Medical Image Analysis, 2022, 81, 102548.	11.6	1
15	Estimating Reference Shape Model for Personalized Surgical Reconstruction of Craniomaxillofacial Defects. IEEE Transactions on Biomedical Engineering, 2021, 68, 362-373.	4.2	10
16	Advanced deep learning methods for biomedical information analysis: An editorial. Neural Networks, 2021, 133, 101-102.	5.9	4
17	Anatomy-Regularized Representation Learning for Cross-Modality Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2021, 40, 274-285.	8.9	17
18	Deep Bayesian Hashing With Center Prior for Multi-Modal Neuroimage Retrieval. IEEE Transactions on Medical Imaging, 2021, 40, 503-513.	8.9	11

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19	Multi-task learning for segmentation and classification of tumors in 3D automated breast ultrasound images. <i>Medical Image Analysis</i> , 2021, 70, 101918.	11.6	151
20	Abnormal lung quantification in chest CT images of COVID-19 patients with deep learning and its application to severity prediction. <i>Medical Physics</i> , 2021, 48, 1633-1645.	3.0	154
21	Hypergraph learning for identification of COVID-19 with CT imaging. <i>Medical Image Analysis</i> , 2021, 68, 101910.	11.6	56
22	Dynamic neural circuit disruptions associated with antisocial behaviors. <i>Human Brain Mapping</i> , 2021, 42, 329-344.	3.6	7
23	Gaussianization of Diffusion MRI Data Using Spatially Adaptive Filtering. <i>Medical Image Analysis</i> , 2021, 68, 101828.	11.6	7
24	Difficulty-aware hierarchical convolutional neural networks for deformable registration of brain MR images. <i>Medical Image Analysis</i> , 2021, 67, 101817.	11.6	18
25	Deep learning and generative adversarial networks in oral and maxillofacial surgery. , 2021, , 55-82.		0
26	Multiscale neural modeling of resting-state fMRI reveals executive-limbic malfunction as a core mechanism in major depressive disorder. <i>NeuroImage: Clinical</i> , 2021, 31, 102758.	2.7	11
27	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.	1.3	4
28	Fast and Accurate Craniomaxillofacial Landmark Detection via 3D Faster R-CNN. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3867-3878.	8.9	23
29	A review of deep learning-based three-dimensional medical image registration methods. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4895-4916.	2.0	33
30	Skull Segmentation from CBCT Images via Voxel-Based Rendering. <i>Lecture Notes in Computer Science</i> , 2021, 12966, 615-623.	1.3	1
31	Learning MRI artefact removal with unpaired data. <i>Nature Machine Intelligence</i> , 2021, 3, 60-67.	16.0	21
32	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.	1.3	2
33	Machine (Deep) Learning for Orthodontic CAD/CAM Technologies. , 2021, , 117-129.		0
34	Machine Learning for CBCT Segmentation of Craniomaxillofacial Bony Structures. , 2021, , 3-13.		0
35	NHBS-Net: A Feature Fusion Attention Network for Ultrasound Neonatal Hip Bone Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3446-3458.	8.9	12
36	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.	1.3	6

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37	High-Order Laplacian Regularized Low-Rank Representation for Multimodal Dementia Diagnosis. <i>Frontiers in Neuroscience</i> , 2021, 15, 634124.	2.8	8
38	TSegNet: An efficient and accurate tooth segmentation network on 3D dental model. <i>Medical Image Analysis</i> , 2021, 69, 101949.	11.6	69
39	Incomplete multi-modal representation learning for Alzheimer's disease diagnosis. <i>Medical Image Analysis</i> , 2021, 69, 101953.	11.6	44
40	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.	4.3	11
41	A Mutual Multi-Scale Triplet Graph Convolutional Network for Classification of Brain Disorders Using Functional or Structural Connectivity. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1279-1289.	8.9	71
42	A consistent deep registration network with group data modeling. <i>Computerized Medical Imaging and Graphics</i> , 2021, 90, 101904.	5.8	2
43	Multi-site MRI harmonization via attention-guided deep domain adaptation for brain disorder identification. <i>Medical Image Analysis</i> , 2021, 71, 102076.	11.6	65
44	Diverse data augmentation for learning image segmentation with cross-modality annotations. <i>Medical Image Analysis</i> , 2021, 71, 102060.	11.6	32
45	Classification of type 2 diabetes mellitus with or without cognitive impairment from healthy controls using high-order functional connectivity. <i>Human Brain Mapping</i> , 2021, 42, 4671-4684.	3.6	14
46	Unsupervised Learning of Reference Bony Shapes for Orthognathic Surgical Planning with a Surface Deformation Network. <i>Medical Physics</i> , 2021, 48, 7735.	3.0	6
47	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.	6.3	17
48	ABCnet: Adversarial bias correction network for infant brain MR images. <i>Medical Image Analysis</i> , 2021, 72, 102133.	11.6	6
49	Asymmetric multi-task attention network for prostate bed segmentation in computed tomography images. <i>Medical Image Analysis</i> , 2021, 72, 102116.	11.6	14
50	Learning to Synthesize 7 T MRI from 3 T MRI with Few Data by Deformable Augmentation. <i>Lecture Notes in Computer Science</i> , 2021, , 70-79.	1.3	1
51	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.	1.3	14
52	Synthetic digital reconstructed radiographs for MR-only robotic stereotactic radiation therapy: A proof of concept. <i>Computers in Biology and Medicine</i> , 2021, 138, 104917.	7.0	1
53	Magnetic Resonance Fingerprinting of the Pediatric Brain. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, 605-616.	1.1	2
54	TSGCNet: Discriminative Geometric Feature Learning with Two-Stream Graph Convolutional Network for 3D Dental Model Segmentation. , 2021, , .		19

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55	Review and Prospect: Artificial Intelligence in Advanced Medical Imaging. <i>Frontiers in Radiology</i> , 2021, 1, .	2.0	37
56	Surface-Guided Image Fusion for Preserving Cortical Details in Human Brain Templates.. , 2021, 12907, 390-399.		0
57	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.	13.9	298
58	Fusion of ULS Group Constrained High- and Low-Order Sparse Functional Connectivity Networks for MCI Classification. <i>Neuroinformatics</i> , 2020, 18, 1-24.	2.8	19
59	Mitigating gyral bias in cortical tractography via asymmetric fiber orientation distributions. <i>Medical Image Analysis</i> , 2020, 59, 101543.	11.6	24
60	Deep Learning of Static and Dynamic Brain Functional Networks for Early MCI Detection. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 478-487.	8.9	100
61	One-Shot Generative Adversarial Learning for MRI Segmentation of Craniomaxillofacial Bony Structures. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 787-796.	8.9	24
62	Identifying Autism Spectrum Disorder With Multi-Site fMRI via Low-Rank Domain Adaptation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 644-655.	8.9	109
63	Image registration using machine and deep learning. , 2020, , 319-342.		12
64	Deep morphological simplification network (MS-Net) for guided registration of brain magnetic resonance images. <i>Pattern Recognition</i> , 2020, 100, 107171.	8.1	9
65	Multi-modal latent space inducing ensemble SVM classifier for early dementia diagnosis with neuroimaging data. <i>Medical Image Analysis</i> , 2020, 60, 101630.	11.6	60
66	Large-scale dynamic causal modeling of major depressive disorder based on resting-state functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 2020, 41, 865-881.	3.6	52
67	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.	4.2	74
68	Multi-Atlas Brain Parcellation Using Squeeze-and-Excitation Fully Convolutional Networks. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 6864-6872.	9.8	9
69	Probing Tissue Microarchitecture of the Baby Brain via Spherical Mean Spectrum Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1-1.	8.9	12
70	Hierarchical Nonlocal Residual Networks for Image Quality Assessment of Pediatric Diffusion MRI With Limited and Noisy Annotations. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3691-3702.	8.9	9
71	Real-Time Quality Assessment of Pediatric MRI via Semi-Supervised Deep Nonlocal Residual Neural Networks. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 7697-7706.	9.8	14
72	A toolbox for brain network construction and classification (BrainNetClass). <i>Human Brain Mapping</i> , 2020, 41, 2808-2826.	3.6	52

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73	Spatially-Constrained Fisher Representation for Brain Disease Identification With Incomplete Multi-Modal Neuroimages. IEEE Transactions on Medical Imaging, 2020, 39, 2965-2975.	8.9	52
74	SLIR: Synthesis, localization, inpainting, and registration for image-guided thermal ablation of liver tumors. Medical Image Analysis, 2020, 65, 101763.	11.6	20
75	High-Resolution Breast MRI Reconstruction Using a Deep Convolutional Generative Adversarial Network. Journal of Magnetic Resonance Imaging, 2020, 52, 1852-1858.	3.4	6
76	Synthesized 7T MRI from 3T MRI via deep learning in spatial and wavelet domains. Medical Image Analysis, 2020, 62, 101663.	11.6	43
77	Deep Multi-Scale Mesh Feature Learning for Automated Labeling of Raw Dental Surfaces From 3D Intraoral Scanners. IEEE Transactions on Medical Imaging, 2020, 39, 2440-2450.	8.9	74
78	Iterative Label Denoising Network: Segmenting Male Pelvic Organs in CT From 3D Bounding Box Annotations. IEEE Transactions on Biomedical Engineering, 2020, 67, 2710-2720.	4.2	19
79	CT Male Pelvic Organ Segmentation via Hybrid Loss Network With Incomplete Annotation. IEEE Transactions on Medical Imaging, 2020, 39, 2151-2162.	8.9	14
80	Designing weighted correlation kernels in convolutional neural networks for functional connectivity based brain disease diagnosis. Medical Image Analysis, 2020, 63, 101709.	11.6	39
81	Anatomical-Landmark-Based Deep Learning for Alzheimer's Disease Diagnosis with Structural Magnetic Resonance Imaging. Intelligent Systems Reference Library, 2020, , 127-147.	1.2	6
82	Pair-Wise and Group-Wise Deformation Consistency in Deep Registration Network. Lecture Notes in Computer Science, 2020, , 171-180.	1.3	8
83	Asymmetrical Multi-task Attention U-Net for the Segmentation of Prostate Bed in CT Image. Lecture Notes in Computer Science, 2020, 12264, 470-479.	1.3	9
84	Multi-task Dynamic Transformer Network for Concurrent Bone Segmentation and Large-Scale Landmark Localization with Dental CBCT. Lecture Notes in Computer Science, 2020, 12264, 807-816.	1.3	19
85	Automatic Localization of Landmarks in Craniomaxillofacial CBCT Images Using a Local Attention-Based Graph Convolution Network. Lecture Notes in Computer Science, 2020, 12264, 817-826.	1.3	13
86	Tract Dictionary Learning for Fast and Robust Recognition of Fiber Bundles. Lecture Notes in Computer Science, 2020, 12267, 251-259.	1.3	10
87	Estimating Tissue Microstructure with Undersampled Diffusion Data via Graph Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, 12267, 280-290.	1.3	9
88	Joint Neuroimage Synthesis and Representation Learning for Conversion Prediction of Subjective Cognitive Decline. Lecture Notes in Computer Science, 2020, , 583-592.	1.3	7
89	Deep Learning Models with Applications to Brain Image Analysis. , 2020, , 433-462.		1
90	Deep Disentangled Hashing with Momentum Triplets for Neuroimage Search. Lecture Notes in Computer Science, 2020, 12261, 191-201.	1.3	3

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91	Globally Optimized Super-Resolution of Diffusion MRI Data via Fiber Continuity. Lecture Notes in Computer Science, 2020, 12267, 260-269.	1.3	0
92	Characterizing Intra-soma Diffusion with Spherical Mean Spectrum Imaging. Lecture Notes in Computer Science, 2020, 12267, 354-363.	1.3	3
93	Fast Correction of Eddy-Current and Susceptibility-Induced Distortions Using Rotation-Invariant Contrasts. Lecture Notes in Computer Science, 2020, 12262, 34-43.	1.3	0
94	Surface-constrained volumetric registration for the early developing brain. Medical Image Analysis, 2019, 58, 101540.	11.6	11
95	Graph-Based Deep Learning for Prediction of Longitudinal Infant Diffusion MRI Data. Mathematics and Visualization, 2019, 2019, 133-141.	0.6	4
96	Longitudinal Harmonization for Improving Tractography in Baby Diffusion MRI. Mathematics and Visualization, 2019, 2019, 183-191.	0.6	2
97	XQ-SR: Joint x-q space super-resolution with application to infant diffusion MRI. Medical Image Analysis, 2019, 57, 44-55.	11.6	10
98	Fast Groupwise Registration Using Multi-Level and Multi-Resolution Graph Shrinkage. Scientific Reports, 2019, 9, 12703.	3.3	2
99	Adversarial learning for mono- or multi-modal registration. Medical Image Analysis, 2019, 58, 101545.	11.6	100
100	Noise reduction in diffusion MRI using non-local self-similar information in joint x - q space. Medical Image Analysis, 2019, 53, 79-94.	11.6	21
101	Multi-Site Harmonization of Diffusion MRI Data via Method of Moments. IEEE Transactions on Medical Imaging, 2019, 38, 1599-1609.	8.9	24
102	Multi-task exclusive relationship learning for alzheimer's disease progression prediction with longitudinal data. Medical Image Analysis, 2019, 53, 111-122.	11.6	36
103	Dual-domain convolutional neural networks for improving structural information in $3T$ MRI. Magnetic Resonance Imaging, 2019, 64, 90-100.	1.8	19
104	Multifold Acceleration of Diffusion MRI via Deep Learning Reconstruction from Slice-Undersampled Data. Lecture Notes in Computer Science, 2019, 11492, 530-541.	1.3	10
105	Deep Learning Deformation Initialization for Rapid Groupwise Registration of Inhomogeneous Image Populations. Frontiers in Neuroinformatics, 2019, 13, 34.	2.5	11
106	Tissue Segmentation Using Sparse Non-negative Matrix Factorization of Spherical Mean Diffusion MRI Data. Mathematics and Visualization, 2019, 2019, 69-76.	0.6	2
107	Asymmetry Spectrum Imaging for Baby Diffusion Tractography. Lecture Notes in Computer Science, 2019, 11492, 319-331.	1.3	7
108	Denoising of Diffusion MRI Data via Graph Framelet Matching in x - q Space. IEEE Transactions on Medical Imaging, 2019, 38, 2838-2848.	8.9	23

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109	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. <i>Medical Image Analysis</i> , 2019, 55, 76-87.	11.6	18
110	Longitudinal Prediction of Infant Diffusion MRI Data via Graph Convolutional Adversarial Networks. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2717-2725.	8.9	19
111	Deep feature descriptor based hierarchical dense matching for X-ray angiographic images. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 175, 233-242.	4.7	5
112	Latent Representation Learning for Alzheimer's Disease Diagnosis With Incomplete Multi-Modality Neuroimaging and Genetic Data. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2411-2422.	8.9	124
113	CT male pelvic organ segmentation using fully convolutional networks with boundary sensitive representation. <i>Medical Image Analysis</i> , 2019, 54, 168-178.	11.6	72
114	Weakly Supervised Deep Learning for Brain Disease Prognosis Using MRI and Incomplete Clinical Scores. <i>IEEE Transactions on Cybernetics</i> , 2019, 50, 1-12.	9.5	61
115	BIRNet: Brain image registration using dual-supervised fully convolutional networks. <i>Medical Image Analysis</i> , 2019, 54, 193-206.	11.6	199
116	Meta-Network Analysis of Structural Correlation Networks Provides Insights Into Brain Network Development. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 93.	2.0	2
117	Multi-channel framelet denoising of diffusion-weighted images. <i>PLoS ONE</i> , 2019, 14, e0211621.	2.5	4
118	Pelvic Organ Segmentation Using Distinctive Curve Guided Fully Convolutional Networks. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 585-595.	8.9	79
119	Joint Classification and Regression via Deep Multi-Task Multi-Channel Learning for Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1195-1206.	4.2	194
120	A New Multi-Atlas Registration Framework for Multimodal Pathological Images Using Conventional Monomodal Normal Atlases. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 2293-2304.	9.8	25
121	Multimodal hyper-connectivity of functional networks using functionally-weighted LASSO for MCI classification. <i>Medical Image Analysis</i> , 2019, 52, 80-96.	11.6	66
122	Effective feature learning and fusion of multimodality data using stage-wise deep neural network for dementia diagnosis. <i>Human Brain Mapping</i> , 2019, 40, 1001-1016.	3.6	171
123	Automatic brain labeling via multi-atlas guided fully convolutional networks. <i>Medical Image Analysis</i> , 2019, 51, 157-168.	11.6	27
124	STRAINet: Spatially Varying Stochastic Residual Adversarial Networks for MRI Pelvic Organ Segmentation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 1552-1564.	11.3	45
125	A New Image Similarity Metric for Improving Deformation Consistency in Graph-Based Groupwise Image Registration. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2192-2199.	4.2	4
126	Strength and similarity guided group-level brain functional network construction for MCI diagnosis. <i>Pattern Recognition</i> , 2019, 88, 421-430.	8.1	101

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127	Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , 2019, 185, 906-925.	4.2	125
128	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019, 185, 891-905.	4.2	234
129	3-D Fully Convolutional Networks for Multimodal Isointense Infant Brain Image Segmentation. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1123-1136.	9.5	133
130	Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 662-674.	9.5	28
131	Brain-Wide Genome-Wide Association Study for Alzheimer's Disease via Joint Projection Learning and Sparse Regression Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 165-175.	4.2	42
132	Surface-Volume Consistent Construction of Longitudinal Atlases for the Early Developing Brain. <i>Lecture Notes in Computer Science</i> , 2019, 11765, 815-822.	1.3	4
133	Automated Parcellation of the Cortex Using Structural Connectome Harmonics. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 475-483.	1.3	1
134	Reconstructing High-Quality Diffusion MRI Data from Orthogonal Slice-Undersampled Data Using Graph Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 529-537.	1.3	7
135	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. <i>Lecture Notes in Computer Science</i> , 2019, 11767, 475-483.	1.3	39
136	DeepBundle: Fiber Bundle Parcellation with Graph Convolution Neural Networks. <i>Lecture Notes in Computer Science</i> , 2019, 11849, 88-95.	1.3	14
137	Triplet Graph Convolutional Network for Multi-scale Analysis of Functional Connectivity Using Functional MRI. <i>Lecture Notes in Computer Science</i> , 2019, , 70-78.	1.3	24
138	Estimating Reference Bony Shape Model for Personalized Surgical Reconstruction of Posttraumatic Facial Defects. <i>Lecture Notes in Computer Science</i> , 2019, 11768, 327-335.	1.3	5
139	Multi-stage Image Quality Assessment of Diffusion MRI via Semi-supervised Nonlocal Residual Networks. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 521-528.	1.3	5
140	Probing Brain Micro-architecture by Orientation Distribution Invariant Identification of Diffusion Compartments. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 547-555.	1.3	6
141	Identification of Abnormal Circuit Dynamics in Major Depressive Disorder via Multiscale Neural Modeling of Resting-State fMRI. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 682-690.	1.3	2
142	Characterizing Non-Gaussian Diffusion in Heterogeneously Oriented Tissue Microenvironments. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 556-563.	1.3	2
143	Morphological Simplification of Brain MR Images by Deep Learning for Facilitating Deformable Registration. <i>Lecture Notes in Computer Science</i> , 2019, , 203-211.	1.3	0
144	Wavelet-based Semi-supervised Adversarial Learning for Synthesizing Realistic 7T from 3T MRI. <i>Lecture Notes in Computer Science</i> , 2019, 11767, 786-794.	1.3	11

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145	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
146	Functional MRI registration with tissue-specific patch-based functional correlation tensors. Human Brain Mapping, 2018, 39, 2303-2316.	3.6	11
147	Medical Image Synthesis with Deep Convolutional Adversarial Networks. IEEE Transactions on Biomedical Engineering, 2018, 65, 2720-2730.	4.2	392
148	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. Medical Image Analysis, 2018, 46, 106-117.	11.6	91
149	Deformable Image Registration Using a Cue-Aware Deep Regression Network. IEEE Transactions on Biomedical Engineering, 2018, 65, 1900-1911.	4.2	86
150	Integration of temporal and spatial properties of dynamic connectivity networks for automatic diagnosis of brain disease. Medical Image Analysis, 2018, 47, 81-94.	11.6	123
151	Multi-Atlas Segmentation of MR Tumor Brain Images Using Low-Rank Based Image Recovery. IEEE Transactions on Medical Imaging, 2018, 37, 2224-2235.	8.9	44
152	Conversion and time-to-conversion predictions of mild cognitive impairment using low-rank affinity pursuit denoising and matrix completion. Medical Image Analysis, 2018, 45, 68-82.	11.6	72
153	Sub-Network Kernels for Measuring Similarity of Brain Connectivity Networks in Disease Diagnosis. IEEE Transactions on Image Processing, 2018, 27, 2340-2353.	9.8	72
154	Deep embedding convolutional neural network for synthesizing CT image from T1-Weighted MR image. Medical Image Analysis, 2018, 47, 31-44.	11.6	137
155	Region-Adaptive Deformable Registration of CT/MRI Pelvic Images via Learning-Based Image Synthesis. IEEE Transactions on Image Processing, 2018, 27, 3500-3512.	9.8	36
156	Joint representation of consistent structural and functional profiles for identification of common cortical landmarks. Brain Imaging and Behavior, 2018, 12, 728-742.	2.1	7
157	Landmark-based deep multi-instance learning for brain disease diagnosis. Medical Image Analysis, 2018, 43, 157-168.	11.6	302
158	Single- and Multiple-Shell Uniform Sampling Schemes for Diffusion MRI Using Spherical Codes. IEEE Transactions on Medical Imaging, 2018, 37, 185-199.	8.9	14
159	The Relationship between Lesion Severity Characterized by Diffusion Tensor Imaging and Motor Function in Chronic Canine Spinal Cord Injury. Journal of Neurotrauma, 2018, 35, 500-507.	3.4	24
160	Spatiotemporal Analysis of Developing Brain Networks. Frontiers in Neuroinformatics, 2018, 12, 48.	2.5	1
161	Unpaired Deep Cross-Modality Synthesis with Fast Training. Lecture Notes in Computer Science, 2018, 11045, 155-164.	1.3	13
162	Craniomaxillofacial Bony Structures Segmentation from MRI with Deep-Supervision Adversarial Learning. Lecture Notes in Computer Science, 2018, 11073, 720-727.	1.3	23

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163	Angular Upsampling in Infant Diffusion MRI Using Neighborhood Matching in x-q Space. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 57.	2.5	6
164	Deep Learning Based Inter-modality Image Registration Supervised by Intra-modality Similarity. <i>Lecture Notes in Computer Science</i> , 2018, 11046, 55-63.	1.3	62
165	Dual-Domain Cascaded Regression for Synthesizing 7T from 3T MRI. <i>Lecture Notes in Computer Science</i> , 2018, 11070, 410-417.	1.3	11
166	Efficient Groupwise Registration of MR Brain Images via Hierarchical Graph Set Shrinkage. <i>Lecture Notes in Computer Science</i> , 2018, 11070, 819-826.	1.3	0
167	Joint Robust Imputation and Classification for Early Dementia Detection Using Incomplete Multi-modality Data. <i>Lecture Notes in Computer Science</i> , 2018, 11121, 51-59.	1.3	4
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