

Pew-Thian Yap

List of Publications by Year in Descending Order

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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.

419
papers

18,359
citations

74
h-index

124
g-index

436
ext. papers

22,484
ext. citations

5.7
avg, IF

7.43
L-index

#	Paper	IF	Citations
4 ¹⁹	Weakly Supervised Segmentation of COVID19 Infection with Scribble Annotation on CT Images. <i>Pattern Recognition</i> , 2022 , 122, 108341	7.7	22
4 ¹⁸	Deformable Registration of Brain MR Images via a Hybrid Loss. <i>Lecture Notes in Computer Science</i> , 2022 , 141-146	0.9	
4 ¹⁷	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. <i>NeuroImage</i> , 2022 , 257, 119327	7.9	1
4 ¹⁶	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	0
4 ¹⁵	Alterations of dynamic redundancy of functional brain subnetworks in Alzheimer's disease and major depression disorders.. <i>NeuroImage: Clinical</i> , 2021 , 33, 102917	5.3	0
4 ¹⁴	TSGCNet: Discriminative Geometric Feature Learning with Two-Stream Graph Convolutional Network for 3D Dental Model Segmentation 2021 ,		4
4 ¹³	Altered Connectedness of the Brain Chronnectome During the Progression to Alzheimer's Disease. <i>Neuroinformatics</i> , 2021 , 1	3.2	2
4 ¹²	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	
4 ¹¹	Magnetic Resonance Fingerprinting of the Pediatric Brain. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021 , 29, 605-616	1.6	0
4 ¹⁰	High-Order Laplacian Regularized Low-Rank Representation for Multimodal Dementia Diagnosis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 634124	5.1	2
4 ⁰⁹	TSegNet: An efficient and accurate tooth segmentation network on 3D dental model. <i>Medical Image Analysis</i> , 2021 , 69, 101949	15.4	12
4 ⁰⁸	Incomplete multi-modal representation learning for Alzheimer's disease diagnosis. <i>Medical Image Analysis</i> , 2021 , 69, 101953	15.4	8
4 ⁰⁷	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
4 ⁰⁶	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	11.7	22
4 ⁰⁵	A consistent deep registration network with group data modeling. <i>Computerized Medical Imaging and Graphics</i> , 2021 , 90, 101904	7.6	0
4 ⁰⁴	Multi-site MRI harmonization via attention-guided deep domain adaptation for brain disorder identification. <i>Medical Image Analysis</i> , 2021 , 71, 102076	15.4	12
4 ⁰³	Diverse data augmentation for learning image segmentation with cross-modality annotations. <i>Medical Image Analysis</i> , 2021 , 71, 102060	15.4	7

402	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	5.9	3
401	Estimating Reference Shape Model for Personalized Surgical Reconstruction of Craniomaxillofacial Defects. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 362-373	5	3
400	Anatomy-Regularized Representation Learning for Cross-Modality Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 274-285	11.7	6
399	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
398	Multi-task learning for segmentation and classification of tumors in 3D automated breast ultrasound images. <i>Medical Image Analysis</i> , 2021 , 70, 101918	15.4	37
397	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	4.4	62
396	Hypergraph learning for identification of COVID-19 with CT imaging. <i>Medical Image Analysis</i> , 2021 , 68, 101910	15.4	22
395	Dynamic neural circuit disruptions associated with antisocial behaviors. <i>Human Brain Mapping</i> , 2021 , 42, 329-344	5.9	1
394	Gaussianization of Diffusion MRI Data Using Spatially Adaptive Filtering. <i>Medical Image Analysis</i> , 2021 , 68, 101828	15.4	0
393	Difficulty-aware hierarchical convolutional neural networks for deformable registration of brain MR images. <i>Medical Image Analysis</i> , 2021 , 67, 101817	15.4	3
392	Deep learning and generative adversarial networks in oral and maxillofacial surgery 2021 , 55-82		
391	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	5.3	0
390	Task-induced Pyramid and Attention GAN for Multimodal Brain Image Imputation and Classification in Alzheimers disease. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	7
389	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
388	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
387	A review of deep learning-based three-dimensional medical image registration methods. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 4895-4916	3.6	5
386	Skull Segmentation from CBCT Images via Voxel-Based Rendering.. <i>Lecture Notes in Computer Science</i> , 2021 , 12966, 615-623	0.9	0
385	Active Cortex Tractography. <i>Lecture Notes in Computer Science</i> , 2021 , 467-476	0.9	

384	Learning MRI artefact removal with unpaired data. <i>Nature Machine Intelligence</i> , 2021 , 3, 60-67	22.5	2
383	Diagnosis of Hippocampal Sclerosis from Clinical Routine Head MR Images Using Structure-constrained Super-Resolution Network. <i>Lecture Notes in Computer Science</i> , 2021 , 258-266	0.9	0
382	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
381	Machine (Deep) Learning for Orthodontic CAD/CAM Technologies 2021 , 117-129		
380	Machine Learning for CBCT Segmentation of Craniomaxillofacial Bony Structures 2021 , 3-13		
379	Machine Learning for Craniomaxillofacial Landmark Digitization of 3D Imaging 2021 , 15-26		
378	NHBS-Net: A Feature Fusion Attention Network for Ultrasound Neonatal Hip Bone Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3446-3458	11.7	1
377	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
376	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
375	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
374	ABCnet: Adversarial bias correction network for infant brain MR images. <i>Medical Image Analysis</i> , 2021 , 72, 102133	15.4	2
373	Asymmetric multi-task attention network for prostate bed segmentation in computed tomography images. <i>Medical Image Analysis</i> , 2021 , 72, 102116	15.4	3
372	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	0.9	
371	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
370	Longitudinal Parcellation of the Infant Cortex Using Multi-modal Connectome Harmonics. <i>Mathematics and Visualization</i> , 2021 , 251-261	0.6	
369	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
368	Surface-Guided Image Fusion for Preserving Cortical Details in Human Brain Templates. <i>Lecture Notes in Computer Science</i> , 2021 , 390-399	0.9	
367	Highly Reproducible Whole Brain Parcellation in Individuals via Voxel Annotation with Fiber Clusters. <i>Lecture Notes in Computer Science</i> , 2021 , 477-486	0.9	

366	Surface-Guided Image Fusion for Preserving Cortical Details in Human Brain Templates. 2021 , 12907, 390-399		
365	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
364	Multi-Atlas Brain Parcellation Using Squeeze-and-Excitation Fully Convolutional Networks. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 6864-6872	8.7	3
363	Probing Tissue Microarchitecture of the Baby Brain via Spherical Mean Spectrum Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3607-3618	11.7	7
362	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	11.7	2
361	Real-Time Quality Assessment of Pediatric MRI via Semi-Supervised Deep Nonlocal Residual Neural Networks. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	5
360	A toolbox for brain network construction and classification (BrainNetClass). <i>Human Brain Mapping</i> , 2020 , 41, 2808-2826	5.9	18
359	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
358	SLIR: Synthesis, localization, inpainting, and registration for image-guided thermal ablation of liver tumors. <i>Medical Image Analysis</i> , 2020 , 65, 101763	15.4	7
357	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
356	Synthesized 7T MRI from 3T MRI via deep learning in spatial and wavelet domains. <i>Medical Image Analysis</i> , 2020 , 62, 101663	15.4	20
355	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
354	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
353	CT Male Pelvic Organ Segmentation via Hybrid Loss Network With Incomplete Annotation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2151-2162	11.7	8
352	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
351	Characterizing Intra-soma Diffusion with Spherical Mean Spectrum Imaging. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 354-363	0.9	1
350	Fast Correction of Eddy-Current and Susceptibility-Induced Distortions Using Rotation-Invariant Contrasts. <i>Lecture Notes in Computer Science</i> , 2020 , 12262, 34-43	0.9	
349	Deep Learning Models with Applications to Brain Image Analysis 2020 , 433-462		

348	Deep Disentangled Hashing with Momentum Triplets for Neuroimage Search. <i>Lecture Notes in Computer Science</i> , 2020 , 12261, 191-201	0.9	1
347	Globally Optimized Super-Resolution of Diffusion MRI Data via Fiber Continuity. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 260-269	0.9	
346	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
345	Pair-Wise and Group-Wise Deformation Consistency in Deep Registration Network. <i>Lecture Notes in Computer Science</i> , 2020 , 171-180	0.9	3
344	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
343	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
342	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
341	Tract Dictionary Learning for Fast and Robust Recognition of Fiber Bundles. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 251-259	0.9	4
340	Estimating Tissue Microstructure with Undersampled Diffusion Data via Graph Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 280-290	0.9	6
339	Joint Neuroimage Synthesis and Representation Learning for Conversion Prediction of Subjective Cognitive Decline. <i>Lecture Notes in Computer Science</i> , 2020 , 583-592	0.9	5
338	Identifying Autism Spectrum Disorder With Multi-Site fMRI via Low-Rank Domain Adaptation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 644-655	11.7	56
337	Image registration using machine and deep learning 2020 , 319-342		5
336	Deep morphological simplification network (MS-Net) for guided registration of brain magnetic resonance images. <i>Pattern Recognition</i> , 2020 , 100, 107171	7.7	5
335	Multi-modal latent space inducing ensemble SVM classifier for early dementia diagnosis with neuroimaging data. <i>Medical Image Analysis</i> , 2020 , 60, 101630	15.4	27
334	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	5.9	21
333	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
332	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
331	Fusion of ULS Group Constrained High- and Low-Order Sparse Functional Connectivity Networks for MCI Classification. <i>Neuroinformatics</i> , 2020 , 18, 1-24	3.2	5

330	Mitigating gyral bias in cortical tractography via asymmetric fiber orientation distributions. <i>Medical Image Analysis</i> , 2020 , 59, 101543	15.4	14
329	Deep Learning of Static and Dynamic Brain Functional Networks for Early MCI Detection. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 478-487	11.7	39
328	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
327	Fast Groupwise Registration Using Multi-Level and Multi-Resolution Graph Shrinkage. <i>Scientific Reports</i> , 2019 , 9, 12703	4.9	1
326	Adversarial learning for mono- or multi-modal registration. <i>Medical Image Analysis</i> , 2019 , 58, 101545	15.4	47
325	Noise reduction in diffusion MRI using non-local self-similar information in joint x-q space. <i>Medical Image Analysis</i> , 2019 , 53, 79-94	15.4	14
324	Multi-Site Harmonization of Diffusion MRI Data via Method of Moments. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 1599-1609	11.7	12
323	Multi-task exclusive relationship learning for alzheimer's disease progression prediction with longitudinal data. <i>Medical Image Analysis</i> , 2019 , 53, 111-122	15.4	19
322	Dual-domain convolutional neural networks for improving structural information in 3 T MRI. <i>Magnetic Resonance Imaging</i> , 2019 , 64, 90-100	3.3	11
321	Multifold Acceleration of Diffusion MRI via Deep Learning Reconstruction from Slice-Undersampled Data. <i>Lecture Notes in Computer Science</i> , 2019 , 11492, 530-541	0.9	4
320	Deep Learning Deformation Initialization for Rapid Groupwise Registration of Inhomogeneous Image Populations. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 34	3.9	5
319	Tissue Segmentation Using Sparse Non-negative Matrix Factorization of Spherical Mean Diffusion MRI Data. <i>Mathematics and Visualization</i> , 2019 , 2019, 69-76	0.6	0
318	Asymmetry Spectrum Imaging for Baby Diffusion Tractography. <i>Lecture Notes in Computer Science</i> , 2019 , 11492, 319-331	0.9	2
317	Denoising of Diffusion MRI Data via Graph Framelet Matching in x-q Space. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2838-2848	11.7	13
316	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. <i>Medical Image Analysis</i> , 2019 , 55, 76-87	15.4	13
315	Longitudinal Prediction of Infant Diffusion MRI Data via Graph Convolutional Adversarial Networks. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2717-2725	11.7	12
314	Deep feature descriptor based hierarchical dense matching for X-ray angiographic images. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 175, 233-242	6.9	4
313	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	11.7	55

312	CT male pelvic organ segmentation using fully convolutional networks with boundary sensitive representation. <i>Medical Image Analysis</i> , 2019 , 54, 168-178	15.4	46
311	BIRNet: Brain image registration using dual-supervised fully convolutional networks. <i>Medical Image Analysis</i> , 2019 , 54, 193-206	15.4	102
310	Meta-Network Analysis of Structural Correlation Networks Provides Insights Into Brain Network Development. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 93	3.3	
309	Multi-channel framelet denoising of diffusion-weighted images. <i>PLoS ONE</i> , 2019 , 14, e0211621	3.7	3
308	Surface-constrained volumetric registration for the early developing brain. <i>Medical Image Analysis</i> , 2019 , 58, 101540	15.4	6
307	Graph-Based Deep Learning for Prediction of Longitudinal Infant Diffusion MRI Data. <i>Mathematics and Visualization</i> , 2019 , 2019, 133-141	0.6	3
306	Longitudinal Harmonization for Improving Tractography in Baby Diffusion MRI. <i>Mathematics and Visualization</i> , 2019 , 2019, 183-191	0.6	0
305	XQ-SR: Joint x-q space super-resolution with application to infant diffusion MRI. <i>Medical Image Analysis</i> , 2019 , 57, 44-55	15.4	6
304	Estimating Reference Bony Shape Model for Personalized Surgical Reconstruction of Posttraumatic Facial Defects. <i>Lecture Notes in Computer Science</i> , 2019 , 11768, 327-335	0.9	3
303	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	0.9	4
302	Probing Brain Micro-architecture by Orientation Distribution Invariant Identification of Diffusion Compartments. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 547-555	0.9	2
301	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	0.9	1
300	Characterizing Non-Gaussian Diffusion in Heterogeneously Oriented Tissue Microenvironments. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 556-563	0.9	2
299	Morphological Simplification of Brain MR Images by Deep Learning for Facilitating Deformable Registration. <i>Lecture Notes in Computer Science</i> , 2019 , 203-211	0.9	
298	Wavelet-based Semi-supervised Adversarial Learning for Synthesizing Realistic 7T from 3T MRI. <i>Lecture Notes in Computer Science</i> , 2019 , 11767, 786-794	0.9	6
297	Surface-Volume Consistent Construction of Longitudinal Atlases for the Early Developing Brain. <i>Lecture Notes in Computer Science</i> , 2019 , 11765, 815-822	0.9	2
296	Automated Parcellation of the Cortex Using Structural Connectome Harmonics. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 475-483	0.9	1
295	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	0.9	3

294	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. <i>Lecture Notes in Computer Science</i> , 2019 , 11767, 475-483	0.9	23
293	DeepBundle: Fiber Bundle Parcellation with Graph Convolution Neural Networks. <i>Lecture Notes in Computer Science</i> , 2019 , 11849, 88-95	0.9	4
292	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
291	Pelvic Organ Segmentation Using Distinctive Curve Guided Fully Convolutional Networks. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 585-595	11.7	55
290	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	5	93
289	Multimodal hyper-connectivity of functional networks using functionally-weighted LASSO for MCI classification. <i>Medical Image Analysis</i> , 2019 , 52, 80-96	15.4	34
288	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	5.9	96
287	Automatic brain labeling via multi-atlas guided fully convolutional networks. <i>Medical Image Analysis</i> , 2019 , 51, 157-168	15.4	14
286	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	10.3	26
285	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	5	2
284	Strength and Similarity Guided Group-level Brain Functional Network Construction for MCI Diagnosis. <i>Pattern Recognition</i> , 2019 , 88, 421-430	7.7	70
283	Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , 2019 , 185, 906-925	7.9	82
282	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019 , 185, 891-905	7.9	140
281	3-D Fully Convolutional Networks for Multimodal Isointense Infant Brain Image Segmentation. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1123-1136	10.2	85
280	Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 662-674	10.2	20
279	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	5	36
278	Anatomical Landmark Based Deep Feature Representation for MR Images in Brain Disease Diagnosis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 1476-1485	7.2	72
277	Functional MRI registration with tissue-specific patch-based functional correlation tensors. <i>Human Brain Mapping</i> , 2018 , 39, 2303-2316	5.9	8

276	Medical Image Synthesis with Deep Convolutional Adversarial Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 2720-2730	5	231
275	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
274	Deformable Image Registration Using a Cue-Aware Deep Regression Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 1900-1911	5	49
273	Integration of temporal and spatial properties of dynamic connectivity networks for automatic diagnosis of brain disease. <i>Medical Image Analysis</i> , 2018 , 47, 81-94	15.4	66
272	Multi-Atlas Segmentation of MR Tumor Brain Images Using Low-Rank Based Image Recovery. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 2224-2235	11.7	20
271	Conversion and time-to-conversion predictions of mild cognitive impairment using low-rank affinity pursuit denoising and matrix completion. <i>Medical Image Analysis</i> , 2018 , 45, 68-82	15.4	33
270	Sub-Network Kernels for Measuring Similarity of Brain Connectivity Networks in Disease Diagnosis. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2340-2353	8.7	42
269	Deep embedding convolutional neural network for synthesizing CT image from T1-Weighted MR image. <i>Medical Image Analysis</i> , 2018 , 47, 31-44	15.4	93
268	Region-adaptive Deformable Registration of CT/MRI Pelvic Images via Learning-based Image Synthesis. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	24
267	Joint representation of consistent structural and functional profiles for identification of common cortical landmarks. <i>Brain Imaging and Behavior</i> , 2018 , 12, 728-742	4.1	7
266	Landmark-based deep multi-instance learning for brain disease diagnosis. <i>Medical Image Analysis</i> , 2018 , 43, 157-168	15.4	183
265	Single- and Multiple-Shell Uniform Sampling Schemes for Diffusion MRI Using Spherical Codes. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 185-199	11.7	4
264	The Relationship between Lesion Severity Characterized by Diffusion Tensor Imaging and Motor Function in Chronic Canine Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 500-507	5.4	15
263	Malignant Brain Tumor Classification Using the Random Forest Method. <i>Lecture Notes in Computer Science</i> , 2018 , 14-21	0.9	4
262	A New Multi-Atlas Registration Framework for Multimodal Pathological Images Using Conventional Monomodal Normal Atlases. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	12
261	Spatiotemporal Analysis of Developing Brain Networks. <i>Frontiers in Neuroinformatics</i> , 2018 , 12, 48	3.9	0
260	Unpaired Deep Cross-Modality Synthesis with Fast Training. <i>Lecture Notes in Computer Science</i> , 2018 , 11045, 155-164	0.9	9
259	Craniofacial Bony Structures Segmentation from MRI with Deep-Supervision Adversarial Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 11073, 720-727	0.9	16

258	Angular Upsampling in Infant Diffusion MRI Using Neighborhood Matching in - Space. <i>Frontiers in Neuroinformatics</i> , 2018 , 12, 57	3.9	4
257	Deep Learning based Inter-Modality Image Registration Supervised by Intra-Modality Similarity. <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 55-63	0.9	34
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255	Efficient Groupwise Registration of MR Brain Images via Hierarchical Graph Set Shrinkage. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 819-826	0.9	
254	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	0.9	1
253	Low-Rank Representation for Multi-center Autism Spectrum Disorder Identification. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 647-654	0.9	14
252	Adversarial Similarity Network for Evaluating Image Alignment in Deep Learning based Registration. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 739-746	0.9	44
251	Penalized Geodesic Tractography for Mitigating Gyral Bias. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 12-19	0.9	2
250	A Multi-Tissue Global Estimation Framework for Asymmetric Fiber Orientation Distributions. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 45-52	0.9	4
249	A novel relational regularization feature selection method for joint regression and classification in AD diagnosis. <i>Medical Image Analysis</i> , 2017 , 38, 205-214	15.4	137
248	Temporally Constrained Group Sparse Learning for Longitudinal Data Analysis in Alzheimer's Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 238-249	5	37
247	Concatenated Spatially-localized Random Forests for Hippocampus Labeling in Adult and Infant MR Brain Images. <i>Neurocomputing</i> , 2017 , 229, 3-12	5.4	20
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242	View-aligned hypergraph learning for Alzheimer's disease diagnosis with incomplete multi-modality data. <i>Medical Image Analysis</i> , 2017 , 36, 123-134	15.4	82
241	Alzheimer's Disease Diagnosis Using Landmark-Based Features From Longitudinal Structural MR Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017 , 21, 1607-1616	7.2	81

240	Multi-Domain Transfer Learning for Early Diagnosis of Alzheimer's Disease. <i>Neuroinformatics</i> , 2017 , 15, 115-132	3.2	43
239	Spatio-angular consistent construction of neonatal diffusion MRI atlases. <i>Human Brain Mapping</i> , 2017 , 38, 3175-3189	5.9	8
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231	Deformable Image Registration based on Similarity-Steered CNN Regression. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 300-308	0.9	78
230	Multimodal Hyper-connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 433-441	0.9	2
229	Learning-based structurally-guided construction of resting-state functional correlation tensors. <i>Magnetic Resonance Imaging</i> , 2017 , 43, 110-121	3.3	16
228	Detecting Anatomical Landmarks From Limited Medical Imaging Data Using Two-Stage Task-Oriented Deep Neural Networks. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4753-4764	8.7	99
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224	Image mosaicking using SURF features of line segments. <i>PLoS ONE</i> , 2017 , 12, e0173627	3.7	9
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220	Brain Image Labeling Using Multi-atlas Guided 3D Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 10530, 12-19	0.9	7
219	Multi-stage Diagnosis of Alzheimer's Disease with Incomplete Multimodal Data via Multi-task Deep Learning. <i>Lecture Notes in Computer Science</i> , 2017 , 10553, 160-168	0.9	21
218	Learning-Based Estimation of Functional Correlation Tensors in White Matter for Early Diagnosis of Mild Cognitive Impairment. <i>Lecture Notes in Computer Science</i> , 2017 , 10530, 65-73	0.9	
217	Graph-Constrained Sparse Construction of Longitudinal Diffusion-Weighted Infant Atlases. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 49-56	0.9	9
216	Improving Functional MRI Registration Using Whole-Brain Functional Correlation Tensors. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 416-423	0.9	2
215	-Space Upsampling Using - Space Regularization. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 620-628.	0.9	2
214	Fusion of High-Order and Low-Order Effective Connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 2017, 307-315	0.9	0
213	Structural Connectivity Guided Sparse Effective Connectivity for MCI Identification. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 299-306	0.9	2
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207	Estimating CT Image from MRI Data Using 3D Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , 2016 , 2016, 170-178	0.9	115
206	Learning-Based 3T Brain MRI Segmentation with Guidance from 7T MRI Labeling. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 213-220	0.9	2
205	Reveal Consistent Spatial-Temporal Patterns from Dynamic Functional Connectivity for Autism Spectrum Disorder Identification. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 106-114	0.9	20

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203	Stability-Weighted Matrix Completion of Incomplete Multi-modal Data for Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 88-96	0.9	10
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189	Automated segmentation of dental CBCT image with prior-guided sequential random forests. <i>Medical Physics</i> , 2016 , 43, 336	4.4	33
188	Angular Resolution Enhancement of Diffusion MRI Data Using Inter-Subject Information Transfer. <i>Mathematics and Visualization</i> , 2016 , 2016, 145-157	0.6	2
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141	Medical Image Retrieval Using Multi-graph Learning for MCI Diagnostic Assistance. <i>Lecture Notes in Computer Science</i> , 2015 , 9350, 86-93	0.9	12
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