

Dinggang Shen

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.

929
papers

36,192
citations

95
h-index

158
g-index

979
ext. papers

44,591
ext. citations

5.3
avg, IF

8.06
L-index

#	Paper	IF	Citations
929	Follow My Eye: Using Gaze to Supervise Computer-Aided Diagnosis.. <i>IEEE Transactions on Medical Imaging</i> , 2022 , PP,	11.7	3
928	COVIDSum: A linguistically enriched SciBERT-based summarization model for COVID-19 scientific papers.. <i>Journal of Biomedical Informatics</i> , 2022 , 127, 103999	10.2	1
927	Future Trends of PET/MR and Utility of AI in Multi-Modal Imaging 2022 , 79-86		
926	Weakly Supervised Segmentation of COVID19 Infection with Scribble Annotation on CT Images. <i>Pattern Recognition</i> , 2022 , 122, 108341	7.7	22
925	Predicting Genomic Alterations of Phosphatidylinositol-3 Kinase Signaling in Hepatocellular Carcinoma: A Radiogenomics Study Based on Next-Generation Sequencing and Contrast-Enhanced CT.. <i>Annals of Surgical Oncology</i> , 2022 , 1	3.1	1
924	Deep Learning and Medical Image Analysis for COVID-19 Diagnosis and Prediction.. <i>Annual Review of Biomedical Engineering</i> , 2022 ,	12	3
923	Deep Attentive Spatio-Temporal Feature Learning for Automatic Resting-State fMRI Denoising.. <i>NeuroImage</i> , 2022 , 119127	7.9	0
922	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
921	Common Feature learning for brain tumor MRI synthesis by context-aware generative adversarial network.. <i>Medical Image Analysis</i> , 2022 , 79, 102472	15.4	1
920	DeepDRID: Diabetic Retinopathy Grading and Image Quality Estimation Challenge. <i>Patterns</i> , 2022 , 1005131	3.1	4
919	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
918	TSGCNet: Discriminative Geometric Feature Learning with Two-Stream Graph Convolutional Network for 3D Dental Model Segmentation 2021 ,		4
917	A Cascaded Nested Network for 3T Brain MR Image Segmentation Guided by 7T Labeling. <i>Pattern Recognition</i> , 2021 , 124, 108420	7.7	2
916	Stability of AI-Enabled Diagnosis of Parkinson's Disease: A Study Targeting Substantia Nigra in Quantitative Susceptibility Mapping Imaging. <i>Frontiers in Neuroscience</i> , 2021 , 15, 760975	5.1	0
915	Altered Connectedness of the Brain Chronectome During the Progression to Alzheimer's Disease. <i>Neuroinformatics</i> , 2021 , 1	3.2	2
914	Segmentation with varying contrasts of pediatric MRI. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021 , 2, 265-286	0.1	0
913	Semi-Supervised Deep Transfer Learning for Benign-Malignant Diagnosis of Pulmonary Nodules in Chest CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2021 , PP,	11.7	5

912	Breast Tumor Segmentation in DCE-MRI With Tumor Sensitive Synthesis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
911	Adaptive rectification based adversarial network with spectrum constraint for high-quality PET image synthesis.. <i>Medical Image Analysis</i> , 2021 , 77, 102335	15.4	9
910	GACDN: generative adversarial feature completion and diagnosis network for COVID-19. <i>BMC Medical Imaging</i> , 2021 , 21, 154	2.9	0
909	Radiomics-based machine learning analysis and characterization of breast lesions with multiparametric diffusion-weighted MR. <i>Journal of Translational Medicine</i> , 2021 , 19, 443	8.5	0
908	Multi-Class ASD Classification via Label Distribution Learning with Class-Shared and Class-Specific Decomposition. <i>Medical Image Analysis</i> , 2021 , 75, 102294	15.4	1
907	Surface-based analysis of the developing cerebral cortex. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021 , 287-307	0.1	
906	Assessing clinical progression from subjective cognitive decline to mild cognitive impairment with incomplete multi-modal neuroimages. <i>Medical Image Analysis</i> , 2021 , 75, 102266	15.4	3
905	DS-GCNs: Connectome Classification using Dynamic Spectral Graph Convolution Networks with Assistant Task Training. <i>Cerebral Cortex</i> , 2021 , 31, 1259-1269	5.1	4
904	Learning-Based Computer-Aided Prescription Model for Parkinson's Disease: A Data-Driven Perspective. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 3258-3269	7.2	1
903	High-Order Laplacian Regularized Low-Rank Representation for Multimodal Dementia Diagnosis. <i>Frontiers in Neuroscience</i> , 2021 , 15, 634124	5.1	2
902	Large-scale screening of COVID-19 from community acquired pneumonia using infection size-aware classification. <i>Physics in Medicine and Biology</i> , 2021 ,	3.8	111
901	A Novel Unit-Based Personalized Fingerprint Feature Selection Strategy for Dynamic Functional Connectivity Networks. <i>Frontiers in Neuroscience</i> , 2021 , 15, 651574	5.1	1
900	TSegNet: An efficient and accurate tooth segmentation network on 3D dental model. <i>Medical Image Analysis</i> , 2021 , 69, 101949	15.4	12
899	Spherical Deformable U-Net: Application to Cortical Surface Parcellation and Development Prediction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1217-1228	11.7	13
898	A novel multiple instance learning framework for COVID-19 severity assessment via data augmentation and self-supervised learning. <i>Medical Image Analysis</i> , 2021 , 69, 101978	15.4	12
897	Incomplete multi-modal representation learning for Alzheimer's disease diagnosis. <i>Medical Image Analysis</i> , 2021 , 69, 101953	15.4	8
896	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
895	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

894	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1363-1376	11.7	15
893	A deep learning system for detecting diabetic retinopathy across the disease spectrum. <i>Nature Communications</i> , 2021 , 12, 3242	17.4	29
892	Synergistic learning of lung lobe segmentation and hierarchical multi-instance classification for automated severity assessment of COVID-19 in CT images. <i>Pattern Recognition</i> , 2021 , 113, 107828	7.7	36
891	A consistent deep registration network with group data modeling. <i>Computerized Medical Imaging and Graphics</i> , 2021 , 90, 101904	7.6	0
890	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
889	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
888	Diverse data augmentation for learning image segmentation with cross-modality annotations. <i>Medical Image Analysis</i> , 2021 , 71, 102060	15.4	7
887	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
886	Review of Artificial Intelligence Techniques in Imaging Data Acquisition, Segmentation, and Diagnosis for COVID-19. <i>IEEE Reviews in Biomedical Engineering</i> , 2021 , 14, 4-15	6.4	520
885	Estimating Reference Shape Model for Personalized Surgical Reconstruction of Craniomaxillofacial Defects. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 362-373	5	3
884	Artificial intelligence neuropathologist for glioma classification using deep learning on hematoxylin and eosin stained slide images and molecular markers. <i>Neuro-Oncology</i> , 2021 , 23, 44-52	1	10
883	Prediction of 7-year's conversion from subjective cognitive decline to mild cognitive impairment. <i>Human Brain Mapping</i> , 2021 , 42, 192-203	5.9	9
882	Anatomy-Regularized Representation Learning for Cross-Modality Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 274-285	11.7	6
881	Boundary Coding Representation for Organ Segmentation in Prostate Cancer Radiotherapy. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 310-320	11.7	5
880	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
879	Joint prediction and time estimation of COVID-19 developing severe symptoms using chest CT scan. <i>Medical Image Analysis</i> , 2021 , 67, 101824	15.4	41
878	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
877	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

876	Interactive medical image segmentation via a point-based interaction. <i>Artificial Intelligence in Medicine</i> , 2021 , 111, 101998	7.4	5
875	Lung volume reduction and infection localization revealed in Big data CT imaging of COVID-19. <i>International Journal of Infectious Diseases</i> , 2021 , 102, 316-318	10.5	5
874	Hypergraph learning for identification of COVID-19 with CT imaging. <i>Medical Image Analysis</i> , 2021 , 68, 101910	15.4	22
873	Dynamic neural circuit disruptions associated with antisocial behaviors. <i>Human Brain Mapping</i> , 2021 , 42, 329-344	5.9	1
872	Gaussianization of Diffusion MRI Data Using Spatially Adaptive Filtering. <i>Medical Image Analysis</i> , 2021 , 68, 101828	15.4	0
871	Difficulty-aware hierarchical convolutional neural networks for deformable registration of brain MR images. <i>Medical Image Analysis</i> , 2021 , 67, 101817	15.4	3
870	Multi-Regression based supervised sample selection for predicting baby connectome evolution trajectory from neonatal timepoint. <i>Medical Image Analysis</i> , 2021 , 68, 101853	15.4	4
869	Cascaded MultiTask 3-D Fully Convolutional Networks for Pancreas Segmentation. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2153-2165	10.2	6
868	Sparse Dictionary Learning for 3D Craniomaxillofacial Skeleton Estimation Based on 2D Face Photographs 2021 , 41-53		
867	Deep learning and generative adversarial networks in oral and maxillofacial surgery 2021 , 55-82		
866	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
865	Identifying Thyroid Nodules in Ultrasound Images Through Segmentation-Guided Discriminative Localization. <i>Lecture Notes in Computer Science</i> , 2021 , 135-144	0.9	0
864	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
863	Spine-Rib Segmentation and Labeling via Hierarchical Matching and Rib-Guided Registration. <i>Lecture Notes in Computer Science</i> , 2021 , 537-545	0.9	
862	Disease-image-specific Learning for Diagnosis-oriented Neuroimage Synthesis with Incomplete Multi-Modality Data. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	7
861	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
860	Hippocampus segmentation in MR images: Multiatlas methods and deep learning methods 2021 , 181-215		0
859	Skull Segmentation From CBCT Images via Voxel-Based Rendering.. <i>Lecture Notes in Computer Science</i> , 2021 , 12966, 615-623	0.9	0

858	VertNet: Accurate Vertebra Localization and Identification Network from CT Images. <i>Lecture Notes in Computer Science</i> , 2021 , 281-290	0.9	
857	Learning MRI artefact removal with unpaired data. <i>Nature Machine Intelligence</i> , 2021 , 3, 60-67	22.5	2
856	Learning Brain Functional Networks with Latent Temporal Dependency for MCI Identification. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	1
855	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
854	Machine (Deep) Learning for Orthodontic CAD/CAM Technologies 2021 , 117-129		
853	Patient-Specific Reference Model for Planning Orthognathic Surgery 2021 , 105-114		
852	Machine Learning for CBCT Segmentation of Craniomaxillofacial Bony Structures 2021 , 3-13		
851	Collaborative Image Synthesis and Disease Diagnosis for Classification of Neurodegenerative Disorders with Incomplete Multi-modal Neuroimages. <i>Lecture Notes in Computer Science</i> , 2021 , 480-489	0.9	1
850	Domain Generalization for Mammography Detection via Multi-style and Multi-view Contrastive Learning. <i>Lecture Notes in Computer Science</i> , 2021 , 98-108	0.9	2
849	Severity assessment of COVID-19 using CT image features and laboratory indices. <i>Physics in Medicine and Biology</i> , 2021 , 66, 035015	3.8	38
848	A Few-Shot Learning Graph Multi-trajectory Evolution Network for Forecasting Multimodal Baby Connectivity Development from a Baseline Timepoint. <i>Lecture Notes in Computer Science</i> , 2021 , 11-24	0.9	0
847	Cascaded Networks for Thyroid Nodule Diagnosis from Ultrasound Images. <i>Lecture Notes in Computer Science</i> , 2021 , 145-154	0.9	1
846	Machine Learning for Craniomaxillofacial Landmark Digitization of 3D Imaging 2021 , 15-26		
845	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
844	3D Transformer-GAN for High-Quality PET Reconstruction. <i>Lecture Notes in Computer Science</i> , 2021 , 276-285	2.5	6
843	CorLab-Net: Anatomical Dependency-Aware Point-Cloud Learning for Automatic Labeling of Coronary Arteries. <i>Lecture Notes in Computer Science</i> , 2021 , 576-585	0.9	2
842	DIKA-Nets: Domain-invariant knowledge-guided attention networks for brain skull stripping of early developing macaques. <i>NeuroImage</i> , 2021 , 227, 117649	7.9	6
841	Constructing high-order functional connectivity network based on central moment features for diagnosis of autism spectrum disorder. <i>PeerJ</i> , 2021 , 9, e11692	3.1	0

840	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
839	S3Reg: Superfast Spherical Surface Registration Based on Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1964-1976	11.7	8
838	Brain Function Network: Higher Order vs. More Discrimination. <i>Frontiers in Neuroscience</i> , 2021 , 15, 6966391	3.9	2
837	ABCnet: Adversarial bias correction network for infant brain MR images. <i>Medical Image Analysis</i> , 2021 , 72, 102133	15.4	2
836	Asymmetric multi-task attention network for prostate bed segmentation in computed tomography images. <i>Medical Image Analysis</i> , 2021 , 72, 102116	15.4	3
835	iCOVID: interpretable deep learning framework for early recovery-time prediction of COVID-19 patients. <i>Npj Digital Medicine</i> , 2021 , 4, 124	15.7	1
834	Edge-preserving MRI image synthesis via adversarial network with iterative multi-scale fusion. <i>Neurocomputing</i> , 2021 , 452, 63-77	5.4	5
833	Reducing magnetic resonance image spacing by learning without ground-truth. <i>Pattern Recognition</i> , 2021 , 120, 108103	7.7	2
832	Cross-Model Attention-Guided Tumor Segmentation for 3D Automated Breast Ultrasound (ABUS) Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	2
831	Structure-Driven Unsupervised Domain Adaptation for Cross-Modality Cardiac Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3604-3616	11.7	3
830	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	
829	Morphology-Guided Prostate MRI Segmentation with Multi-slice Association. <i>Lecture Notes in Computer Science</i> , 2021 , 507-516	0.9	
828	Cross-Site Severity Assessment of COVID-19 from CT Images via Domain Adaptation. <i>IEEE Transactions on Medical Imaging</i> , 2021 , PP,	11.7	5
827	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
826	Multimodal MRI Acceleration via Deep Cascading Networks with Peer-Layer-Wise Dense Connections. <i>Lecture Notes in Computer Science</i> , 2021 , 329-339	0.9	1
825	Multiple Kernel k-Means with Incomplete Kernels. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 1191-1204	13.3	58
824	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
823	Folding drives cortical thickness variations. <i>European Physical Journal: Special Topics</i> , 2020 , 229, 2757-2778	7.8	3

822	Diagnosis of Coronavirus Disease 2019 (COVID-19) With Structured Latent Multi-View Representation Learning. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2606-2614	11.7	125
821	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
820	Diagnosis of Autism Spectrum Disorder Using Central-Moment Features From Low- and High-Order Dynamic Resting-State Functional Connectivity Networks. <i>Frontiers in Neuroscience</i> , 2020 , 14, 258	5.1	15
819	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
818	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
817	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
816	Development of Dynamic Functional Architecture during Early Infancy. <i>Cerebral Cortex</i> , 2020 , 30, 5626-5638	5.3	3
815	A novel approach to multiple anatomical shape analysis: Application to fetal ventriculomegaly. <i>Medical Image Analysis</i> , 2020 , 64, 101750	15.4	4
814	A toolbox for brain network construction and classification (BrainNetClass). <i>Human Brain Mapping</i> , 2020 , 41, 2808-2826	5.9	18
813	Adversarial Confidence Learning for Medical Image Segmentation and Synthesis. <i>International Journal of Computer Vision</i> , 2020 , 128, 2494-2513	10.6	13
812	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
811	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
810	Neuroimage-Based Consciousness Evaluation of Patients with Secondary Doubtful Hydrocephalus Before and After Lumbar Drainage. <i>Neuroscience Bulletin</i> , 2020 , 36, 985-996	4.3	3
809	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
808	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
807	Multi-View Spatial Aggregation Framework for Joint Localization and Segmentation of Organs at Risk in Head and Neck CT Images. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2794-2805	11.7	15
806	Segmentation and Classification in Digital Pathology for Glioma Research: Challenges and Deep Learning Approaches. <i>Frontiers in Neuroscience</i> , 2020 , 14, 27	5.1	27
805	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

804	Individual identification and individual variability analysis based on cortical folding features in developing infant singletons and twins. <i>Human Brain Mapping</i> , 2020 , 41, 1985-2003	5.9	13
803	Erratum to Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting[Oct 19 2364-2374]. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 543-543	11.7	
802	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
801	Domain-invariant interpretable fundus image quality assessment. <i>Medical Image Analysis</i> , 2020 , 61, 101654	15.4	17
800	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
799	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
798	Multi-Class ASD Classification Based on Functional Connectivity and Functional Correlation Tensor via Multi-Source Domain Adaptation and Multi-View Sparse Representation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3137-3147	11.7	16
797	Estimating Functional Connectivity Networks via Low-Rank Tensor Approximation With Applications to MCI Identification. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 1912-1920	5	10
796	Dual-Sampling Attention Network for Diagnosis of COVID-19 From Community Acquired Pneumonia. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2595-2605	11.7	161
795	Linking Adolescent Brain MRI to Obesity via Deep Multi-cue Regression Network. <i>Lecture Notes in Computer Science</i> , 2020 , 111-119	0.9	1
794	Multiview Feature Learning With Multiatlas-Based Functional Connectivity Networks for MCI Diagnosis. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	9
793	Characterizing Intra-soma Diffusion with Spherical Mean Spectrum Imaging. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 354-363	0.9	1
792	LDGAN: Longitudinal-Diagnostic Generative Adversarial Network for Disease Progression Prediction with Missing Structural MRI. <i>Lecture Notes in Computer Science</i> , 2020 , 170-179	0.9	1
791	Domain-Invariant Prior Knowledge Guided Attention Networks for Robust Skull Stripping of Developing Macaque Brains. <i>Lecture Notes in Computer Science</i> , 2020 , 22-32	0.9	1
790	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	
789	Deep Learning Models with Applications to Brain Image Analysis 2020 , 433-462		
788	Acceleration of High-Resolution 3D MR Fingerprinting via a Graph Convolutional Network. <i>Lecture Notes in Computer Science</i> , 2020 , 158-166	0.9	1
787	Deep Disentangled Hashing with Momentum Triplets for Neuroimage Search. <i>Lecture Notes in Computer Science</i> , 2020 , 12261, 191-201	0.9	1

786	Globally Optimized Super-Resolution of Diffusion MRI Data via Fiber Continuity. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 260-269	0.9	
785	A Computational Framework for Dissociating Development-Related from Individually Variable Flexibility in Regional Modularity Assignment in Early Infancy. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 13-21	0.9	2
784	Gyral Growth Patterns of Macaque Brains Revealed by Scattered Orthogonal Nonnegative Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2020 , 394-403	0.9	
783	Construction of Spatiotemporal Infant Cortical Surface Functional Templates. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 238-248	0.9	1
782	A New Metric for Characterizing Dynamic Redundancy of Dense Brain Chronnectome and Its Application to Early Detection of Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , 2020 , 3-12	0.9	1
781	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
780	Medical Image Synthesis via Deep Learning. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1213, 23-44	3.6	17
779	Generating Dual-Energy Subtraction Soft-Tissue Images from Chest Radiographs via Bone Edge-Guided GAN. <i>Lecture Notes in Computer Science</i> , 2020 , 678-687	0.9	1
778	Pair-Wise and Group-Wise Deformation Consistency in Deep Registration Network. <i>Lecture Notes in Computer Science</i> , 2020 , 171-180	0.9	3
777	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
776	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
775	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
774	Joint Image Quality Assessment and Brain Extraction of Fetal MRI Using Deep Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 415-424	0.9	3
773	Infant Cognitive Scores Prediction with Multi-stream Attention-Based Temporal Path Signature Features. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 134-144	0.9	2
772	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
771	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
770	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
769	A Deep Spatial Context Guided Framework for Infant Brain Subcortical Segmentation. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 646-656	0.9	1

768	Disentangled Intensive Triplet Autoencoder for Infant Functional Connectome Fingerprinting. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 72-82	0.9	2
767	Temporal-Adaptive Graph Convolutional Network for Automated Identification of Major Depressive Disorder Using Resting-State fMRI. <i>Lecture Notes in Computer Science</i> , 2020 , 1-10	0.9	2
766	Unsupervised Learning for Spherical Surface Registration. <i>Lecture Notes in Computer Science</i> , 2020 , 12436, 373-383	0.9	2
765	Anatomy-Guided Convolutional Neural Network for Motion Correction in Fetal Brain MRI. <i>Lecture Notes in Computer Science</i> , 2020 , 12436, 384-393	0.9	2
764	Attention-Guided Deep Domain Adaptation for Brain Dementia Identification with Multi-site Neuroimaging Data. <i>Lecture Notes in Computer Science</i> , 2020 , 31-40	0.9	2
763	Two-Stage Mapping-Segmentation Framework for Delineating COVID-19 Infections from Heterogeneous CT Images. <i>Lecture Notes in Computer Science</i> , 2020 , 3-13	0.9	1
762	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
761	Toward a Better Estimation of Functional Brain Network for Mild Cognitive Impairment Identification: A Transfer Learning View. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 1160-1168	7.2	20
760	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
759	High-resolution 3D MR Fingerprinting using parallel imaging and deep learning. <i>NeuroImage</i> , 2020 , 206, 116329	7.9	26
758	A Multi-Organ Nucleus Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 1380-1391	11.7	71
757	Mapping hemispheric asymmetries of the macaque cerebral cortex during early brain development. <i>Human Brain Mapping</i> , 2020 , 41, 95-106	5.9	17
756	Image registration using machine and deep learning 2020 , 319-342		5
755	Deep Learning of Imaging Phenotype and Genotype for Predicting Overall Survival Time of Glioblastoma Patients. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2100-2109	11.7	18
754	Submillimeter MR fingerprinting using deep learning-based tissue quantification. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 579-591	4.4	13
753	Deep morphological simplification network (MS-Net) for guided registration of brain magnetic resonance images. <i>Pattern Recognition</i> , 2020 , 100, 107171	7.7	5
752	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
751	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

750	FCN Based Label Correction for Multi-Atlas Guided Organ Segmentation. <i>Neuroinformatics</i> , 2020 , 18, 319-331	3.2	6
749	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
748	Deep CNN ensembles and suggestive annotations for infant brain MRI segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2020 , 79, 101660	7.6	44
747	Modeling Hierarchical Brain Networks via Volumetric Sparse Deep Belief Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 1739-1748	5	12
746	Context-guided fully convolutional networks for joint craniomaxillofacial bone segmentation and landmark digitization. <i>Medical Image Analysis</i> , 2020 , 60, 101621	15.4	27
745	An Effective MR-Guided CT Network Training for Segmenting Prostate in CT Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2278-2291	7.2	4
744	Disentangled-Multimodal Adversarial Autoencoder: Application to Infant Age Prediction With Incomplete Multimodal Neuroimages. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 4137-4149	11.7	11
743	Attention-Guided Hybrid Network for Dementia Diagnosis With Structural MR Images. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	15
742	Task Decomposition and Synchronization for Semantic Biomedical Image Segmentation. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7497-7510	8.7	4
741	6-MONTH INFANT BRAIN MRI SEGMENTATION GUIDED BY 24-MONTH DATA USING CYCLE-CONSISTENT ADVERSARIAL NETWORKS 2020 , 2020,	1.5	1
740	Estimating sparse functional brain networks with spatial constraints for MCI identification. <i>PLoS ONE</i> , 2020 , 15, e0235039	3.7	5
739	Automatic Skull Stripping of Rat and Mouse Brain MRI Data Using U-Net. <i>Frontiers in Neuroscience</i> , 2020 , 14, 568614	5.1	11
738	The emergence of a functionally flexible brain during early infancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23904-23913	11.5	15
737	Adaptive Feature Selection Guided Deep Forest for COVID-19 Classification With Chest CT. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2798-2805	7.2	80
736	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
735	Learning longitudinal classification-regression model for infant hippocampus segmentation. <i>Neurocomputing</i> , 2020 , 391, 191-198	5.4	17
734	Hierarchical Rough-to-Fine Model for Infant Age Prediction Based on Cortical Features. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 214-225	7.2	6
733	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

732	Optimal Sparse Linear Prediction for Block-missing Multi-modality Data without Imputation. <i>Journal of the American Statistical Association</i> , 2020 , 115, 1406-1419	2.8	7
731	Leveraging Coupled Interaction for Multimodal Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 186-200	10.3	17
730	Population-guided large margin classifier for high-dimension low-sample-size problems. <i>Pattern Recognition</i> , 2020 , 97, 107030	7.7	4
729	IDRiD: Diabetic Retinopathy - Segmentation and Grading Challenge. <i>Medical Image Analysis</i> , 2020 , 59, 101561	15.4	63
728	Mitigating gyral bias in cortical tractography via asymmetric fiber orientation distributions. <i>Medical Image Analysis</i> , 2020 , 59, 101543	15.4	14
727	Machine learning in orthodontics. <i>Angle Orthodontist</i> , 2020 , 90, 77-84	2.6	16
726	Cortical Structure and Cognition in Infants and Toddlers. <i>Cerebral Cortex</i> , 2020 , 30, 786-800	5.1	10
725	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
724	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
723	Mammographic mass segmentation using multichannel and multiscale fully convolutional networks. <i>International Journal of Imaging Systems and Technology</i> , 2020 , 30, 1095-1107	2.5	5
722	Estimating Brain Functional Networks Based on Adaptively-Weighted fMRI Signals for MCI Identification. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 595322	5.3	4
721	Block-Extraction and Haar Transform Based Linear Singularity Representation for Image Enhancement. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-14	1.1	
720	A PRELIMINARY VOLUMETRIC MRI STUDY OF AMYGDALA AND HIPPOCAMPAL SUBFIELDS IN AUTISM DURING INFANCY 2019 , 2019, 1052-1056	1.5	2
719	CORTICAL FOLDINGPRINTS FOR INFANT IDENTIFICATION 2019 , 2019, 396-399	1.5	1
718	CHARTING DEVELOPMENT-BASED JOINT PARCELLATION MAPS OF HUMAN AND MACAQUE BRAINS DURING INFANCY 2019 , 2019, 422-425	1.5	
717	Hierarchical Representation For Ct Prostate Segmentation 2019 ,		1
716	SPHERICAL U-NET FOR INFANT CORTICAL SURFACE PARCELLATION 2019 , 2019, 1882-1886	1.5	4
715	Fast Groupwise Registration Using Multi-Level and Multi-Resolution Graph Shrinkage. <i>Scientific Reports</i> , 2019 , 9, 12703	4.9	1

714	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
713	Adversarial learning for mono- or multi-modal registration. <i>Medical Image Analysis</i> , 2019 , 58, 101545	15.4	47
712	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
711	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
710	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
709	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
708	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
707	Spherical U-Net on Cortical Surfaces: Methods and Applications. <i>Lecture Notes in Computer Science</i> , 2019 , 11492, 855-866	0.9	22
706	Treatment-naïve first episode depression classification based on high-order brain functional network. <i>Journal of Affective Disorders</i> , 2019 , 256, 33-41	6.6	12
705	Deep Learning Deformation Initialization for Rapid Groupwise Registration of Inhomogeneous Image Populations. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 34	3.9	5
704	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
703	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patch-based group-wise sparse representation. <i>Human Brain Mapping</i> , 2019 , 40, 3860-3880	5.9	12
702	Asymmetry Spectrum Imaging for Baby Diffusion Tractography. <i>Lecture Notes in Computer Science</i> , 2019 , 11492, 319-331	0.9	2
701	Fetal cortical surface atlas parcellation based on growth patterns. <i>Human Brain Mapping</i> , 2019 , 40, 3881-3899	5.9	11
700	Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 30	3.9	20
699	Denosing 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
698	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. <i>NeuroImage</i> , 2019 , 198, 114-124	7.9	11
697	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

696	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
695	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
694	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
693	Early-Life Nutrition and Cognitive Development: Imaging Approaches. <i>Nestle Nutrition Institute Workshop Series</i> , 2019 , 90, 121-135	1.9	1
692	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
691	Guest Editorial Skin Lesion Image Analysis for Melanoma Detection. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 479-480	7.2	6
690	Local Diffusion Homogeneity Provides Supplementary Information in T2DM-Related WM Microstructural Abnormality Detection. <i>Frontiers in Neuroscience</i> , 2019 , 13, 63	5.1	11
689	Hippocampal Segmentation From Longitudinal Infant Brain MR Images via Classification-Guided Boundary Regression. <i>IEEE Access</i> , 2019 , 7, 33728-33740	3.5	5
688	BIRNet: Brain image registration using dual-supervised fully convolutional networks. <i>Medical Image Analysis</i> , 2019 , 54, 193-206	15.4	102
687	Meta-Network Analysis of Structural Correlation Networks Provides Insights Into Brain Network Development. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 93	3.3	
686	Foreground Fisher Vector: Encoding Class-Relevant Foreground to Improve Image Classification. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 4716-4729	8.7	14
685	Two-Phase Incremental Kernel PCA for Learning Massive or Online Datasets. <i>Complexity</i> , 2019 , 2019, 1-17	1.6	2
684	Multi-channel framelet denoising of diffusion-weighted images. <i>PLoS ONE</i> , 2019 , 14, e0211621	3.7	3
683	Inter-Network High-Order Functional Connectivity (IN-HOFC) and its Alteration in Patients with Mild Cognitive Impairment. <i>Neuroinformatics</i> , 2019 , 17, 547-561	3.2	3
682	Sparse Multiview Task-Centralized Ensemble Learning for ASD Diagnosis Based on Age- and Sex-Related Functional Connectivity Patterns. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3141-3154	10.2	34
681	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. <i>NeuroImage</i> , 2019 , 185, 575-592	7.9	16
680	Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. <i>NeuroImage</i> , 2019 , 185, 664-684	7.9	54
679	CONSTRUCTION OF 4D NEONATAL CORTICAL SURFACE ATLASES USING WASSERSTEIN DISTANCE 2019 , 2019, 995-998	1.5	2

678	FRNET: FLATTENED RESIDUAL NETWORK FOR INFANT MRI SKULL STRIPPING 2019 , 2019, 999-1002	1.5	3
677	Surface-constrained volumetric registration for the early developing brain. <i>Medical Image Analysis</i> , 2019 , 58, 101540	15.4	6
676	Difficulty-Aware Attention Network with Confidence Learning for Medical Image Segmentation. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 1085-1092	5	11
675	Graph-Based Deep Learning for Prediction of Longitudinal Infant Diffusion MRI Data. <i>Mathematics and Visualization</i> , 2019 , 2019, 133-141	0.6	3
674	Longitudinal Harmonization for Improving Tractography in Baby Diffusion MRI. <i>Mathematics and Visualization</i> , 2019 , 2019, 183-191	0.6	0
673	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
672	Machine Learning in Medical Imaging. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1361-1362	1.5	5
671	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
670	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network 2019 , 11767, 158-167		2
669	Graph-Kernel-Based Multi-task Structured Feature Selection on Multi-level Functional Connectivity Networks for Brain Disease Classification. <i>Lecture Notes in Computer Science</i> , 2019 , 27-35	0.9	
668	Early Development of Infant Brain Complex Network. <i>Lecture Notes in Computer Science</i> , 2019 , 832-840	0.9	
667	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	
666	Unsupervised Conditional Consensus Adversarial Network for Brain Disease Identification with Structural MRI. <i>Lecture Notes in Computer Science</i> , 2019 , 391-399	0.9	4
665	Robust and Discriminative Brain Genome Association Study. <i>Lecture Notes in Computer Science</i> , 2019 , 11767, 456-464	0.9	
664	Deep Modeling of Growth Trajectories for Longitudinal Prediction of Missing Infant Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , 2019 , 277-288	0.9	2
663	Inter-modality Dependence Induced Data Recovery for MCI Conversion Prediction. <i>Lecture Notes in Computer Science</i> , 2019 , 186-195	0.9	2
662	A Deep Learning Framework for Noise Component Detection from Resting-State Functional MRI. <i>Lecture Notes in Computer Science</i> , 2019 , 754-762	0.9	4
661	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

660	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
659	Dynamic Routing Capsule Networks for Mild Cognitive Impairment Diagnosis. <i>Lecture Notes in Computer Science</i> , 2019 , 2019, 620-628	0.9	4
658	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
657	CNS: CycleGAN-Assisted Neonatal Segmentation Model for Cross-Datasets. <i>Lecture Notes in Computer Science</i> , 2019 , 172-179	0.9	
656	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
655	Characterizing Non-Gaussian Diffusion in Heterogeneously Oriented Tissue Microenvironments. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 556-563	0.9	2
654	Deep Granular Feature-Label Distribution Learning for Neuroimaging-based Infant Age Prediction. <i>Lecture Notes in Computer Science</i> , 2019 , 11767, 149-157	0.9	1
653	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	
652	Discriminative-Region-Aware Residual Network for Adolescent Brain Structure and Cognitive Development Analysis. <i>Lecture Notes in Computer Science</i> , 2019 , 138-146	0.9	1
651	Pre-operative Overall Survival Time Prediction for Glioblastoma Patients Using Deep Learning on Both Imaging Phenotype and Genotype. <i>Lecture Notes in Computer Science</i> , 2019 , 11764, 415-422	0.9	4
650	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
649	TENSOR GENERALIZED ESTIMATING EQUATIONS FOR LONGITUDINAL IMAGING ANALYSIS. <i>Statistica Sinica</i> , 2019 , 29, 1977-2005	0.7	3
648	Interpretable Feature Learning Using Multi-output Takagi-Sugeno-Kang Fuzzy System for Multi-center ASD Diagnosis. <i>Lecture Notes in Computer Science</i> , 2019 , 790-798	0.9	2
647	Adaptive Thresholding of Functional Connectivity Networks for fMRI-Based Brain Disease Analysis. <i>Lecture Notes in Computer Science</i> , 2019 , 18-26	0.9	0
646	Deep Multi-modal Latent Representation Learning for Automated Dementia Diagnosis. <i>Lecture Notes in Computer Science</i> , 2019 , 629-638	0.9	6
645	MIDCN: A Multiple Instance Deep Convolutional Network for Image Classification. <i>Lecture Notes in Computer Science</i> , 2019 , 230-243	0.9	0
644	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
643	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

642	RCA-U-Net: Residual Channel Attention U-Net for Fast Tissue Quantification in Magnetic Resonance Fingerprinting. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 101-109	0.9	10
641	Disease-Image Specific Generative Adversarial Network for Brain Disease Diagnosis with Incomplete Multi-modal Neuroimages. <i>Lecture Notes in Computer Science</i> , 2019 , 137-145	0.9	17
640	CoCa-GAN: Common-Feature-Learning-Based Context-Aware Generative Adversarial Network for Glioma Grading. <i>Lecture Notes in Computer Science</i> , 2019 , 155-163	0.9	9
639	Automated Parcellation of the Cortex Using Structural Connectome Harmonics. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 475-483	0.9	1
638	Intrinsic Patch-Based Cortical Anatomical Parcellation Using Graph Convolutional Neural Network on Surface Manifold. <i>Lecture Notes in Computer Science</i> , 2019 , 11766, 492-500	0.9	3
637	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
636	Multi-layer Temporal Network Analysis Reveals Increasing Temporal Reachability and Spreadability in the First Two Years of Life. <i>Lecture Notes in Computer Science</i> , 2019 , 665-672	0.9	1
635	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
634	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
633	Synthesis and Inpainting-Based MR-CT Registration for Image-Guided Thermal Ablation of Liver Tumors. <i>Lecture Notes in Computer Science</i> , 2019 , 512-520	0.9	10
632	Progressive Infant Brain Connectivity Evolution Prediction from Neonatal MRI Using Bidirectionally Supervised Sample Selection. <i>Lecture Notes in Computer Science</i> , 2019 , 63-72	0.9	3
631	Brain MR Image Segmentation in Small Dataset with Adversarial Defense and Task Reorganization. <i>Lecture Notes in Computer Science</i> , 2019 , 1-8	0.9	3
630	Automatic Fetal Brain Extraction Using Multi-stage U-Net with Deep Supervision. <i>Lecture Notes in Computer Science</i> , 2019 , 592-600	0.9	7
629	Multi-task Learning for Neonatal Brain Segmentation Using 3D Dense-Unet with Dense Attention Guided by Geodesic Distance. <i>Lecture Notes in Computer Science</i> , 2019 , 11795, 243-251	0.9	5
628	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
627	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
626	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
625	Neighborhood-Correction Algorithm for Classification of Normal and Malignant Cells. <i>Lecture Notes in Bioengineering</i> , 2019 , 73-82	0.8	2

624	Multi-Channel 3D Deep Feature Learning for Survival Time Prediction of Brain Tumor Patients Using Multi-Modal Neuroimages. <i>Scientific Reports</i> , 2019 , 9, 1103	4.9	71
623	Benchmark on Automatic 6-month-old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019 ,	11.7	69
622	Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2364-2374	11.7	37
621	Enhancement of Perivascular Spaces Using Densely Connected Deep Convolutional Neural Network. <i>IEEE Access</i> , 2019 , 7, 18382-18391	3.5	10
620	Hippocampus Radiomic Biomarkers for the Diagnosis of Amnesic Mild Cognitive Impairment: A Machine Learning Method. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 323	5.3	11
619	Overall survival time prediction for high-grade glioma patients based on large-scale brain functional networks. <i>Brain Imaging and Behavior</i> , 2019 , 13, 1333-1351	4.1	20
618	Pelvic Organ Segmentation Using Distinctive Curve Guided Fully Convolutional Networks. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 585-595	11.7	55
617	Group sparse reduced rank regression for neuroimaging genetic study. <i>World Wide Web</i> , 2019 , 22, 673-688	0	0
616	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
615	Late Fusion Incomplete Multi-View Clustering. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 2410-2423	13.3	101
614	Low-rank dimensionality reduction for multi-modality neurodegenerative disease identification. <i>World Wide Web</i> , 2019 , 22, 907-925	2.9	8
613	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
612	Functional Brain Network Estimation With Time Series Self-Scrubbing. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 2494-2504	7.2	24
611	Weighted Graph Regularized Sparse Brain Network Construction for MCI Identification. <i>Pattern Recognition</i> , 2019 , 90, 220-231	7.7	32
610	Regression Convolutional Neural Network for Automated Pediatric Bone Age Assessment From Hand Radiograph. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 2030-2038	7.2	38
609	Enhancing the representation of functional connectivity networks by fusing multi-view information for autism spectrum disorder diagnosis. <i>Human Brain Mapping</i> , 2019 , 40, 833-854	5.9	28
608	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
607	Automatic brain labeling via multi-atlas guided fully convolutional networks. <i>Medical Image Analysis</i> , 2019 , 51, 157-168	15.4	14

606	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
605	Infant Brain Development Prediction With Latent Partial Multi-View Representation Learning. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 909-918	11.7	9
604	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
603	Flexible Locally Weighted Penalized Regression With Applications on Prediction of Alzheimer's Disease Neuroimaging Initiative's Clinical Scores. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 1398-1408	11.7	5
602	Strength and Similarity Guided Group-level Brain Functional Network Construction for MCI Diagnosis. <i>Pattern Recognition</i> , 2019 , 88, 421-430	7.7	70
601	3D Auto-Context-Based Locality Adaptive Multi-Modality GANs for PET Synthesis. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 1328-1339	11.7	68
600	Structured sparsity regularized multiple kernel learning for Alzheimer's disease diagnosis. <i>Pattern Recognition</i> , 2019 , 88, 370-382	7.7	38
599	First-year development of modules and hubs in infant brain functional networks. <i>NeuroImage</i> , 2019 , 185, 222-235	7.9	36
598	Relationship between neuronal network architecture and naming performance in temporal lobe epilepsy: A connectome based approach using machine learning. <i>Brain and Language</i> , 2019 , 193, 45-57	2.9	9
597	Robust multi-label transfer feature learning for early diagnosis of Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2019 , 13, 138-153	4.1	29
596	Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , 2019 , 185, 906-925	7.9	82
595	The UNC/JMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019 , 185, 891-905	7.9	140
594	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
593	Semi-Supervised Discriminative Classification Robust to Sample-Outliers and Feature-Noises. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 515-522	13.3	39
592	Environmental Influences on Infant Cortical Thickness and Surface Area. <i>Cerebral Cortex</i> , 2019 , 29, 1139-1149	7.149	32
591	Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 662-674	10.2	20
590	Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. <i>NeuroImage</i> , 2019 , 185, 783-792	7.9	14
589	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

588	Discriminative self-representation sparse regression for neuroimaging-based alzheimer's disease diagnosis. <i>Brain Imaging and Behavior</i> , 2019 , 13, 27-40	4.1	9
587	High-Resolution Encoder-Decoder Networks for Low-Contrast Medical Image Segmentation. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	58
586	Learning Pairwise-Similarity Guided Sparse Functional Connectivity Network for MCI Classification 2018 , 2017, 917-922		1
585	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
584	Functional MRI registration with tissue-specific patch-based functional correlation tensors. <i>Human Brain Mapping</i> , 2018 , 39, 2303-2316	5.9	8
583	Anatomy-guided joint tissue segmentation and topological correction for 6-month infant brain MRI with risk of autism. <i>Human Brain Mapping</i> , 2018 , 39, 2609-2623	5.9	13
582	Interleaved 3D-CNNs for joint segmentation of small-volume structures in head and neck CT images. <i>Medical Physics</i> , 2018 , 45, 2063-2075	4.4	74
581	Medical Image Synthesis with Deep Convolutional Adversarial Networks. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 2720-2730	5	231
580	Multi-View Missing Data Completion. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1296-1309	4.2	20
579	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
578	Deformable Image Registration Using a Cue-Aware Deep Regression Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 1900-1911	5	49
577	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
576	Exploring diagnosis and imaging biomarkers of Parkinson's disease via iterative canonical correlation analysis based feature selection. <i>Computerized Medical Imaging and Graphics</i> , 2018 , 67, 21-29	7.6	8
575	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
574	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
573	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
572	Tumor Tissue Detection using Blood-Oxygen-Level-Dependent Functional MRI based on Independent Component Analysis. <i>Scientific Reports</i> , 2018 , 8, 1223	4.9	20
571	Learning non-linear patch embeddings with neural networks for label fusion. <i>Medical Image Analysis</i> , 2018 , 44, 143-155	15.4	12

570	. <i>IEEE Access</i> , 2018 , 6, 25130-25141	3.5	9
569	Discovering cortical sulcal folding patterns in neonates using large-scale dataset. <i>Human Brain Mapping</i> , 2018 , 39, 3625-3635	5.9	10
568	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
567	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
566	Multi-Label Nonlinear Matrix Completion With Transductive Multi-Task Feature Selection for Joint MGMT and IDH1 Status Prediction of Patient With High-Grade Gliomas. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1775-1787	11.7	16
565	3D conditional generative adversarial networks for high-quality PET image estimation at low dose. <i>NeuroImage</i> , 2018 , 174, 550-562	7.9	182
564	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
563	Multi-Hypergraph Learning for Incomplete Multimodality Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 1197-1208	7.2	22
562	Radiation-induced brain structural and functional abnormalities in presymptomatic phase and outcome prediction. <i>Human Brain Mapping</i> , 2018 , 39, 407-427	5.9	25
561	Landmark-based deep multi-instance learning for brain disease diagnosis. <i>Medical Image Analysis</i> , 2018 , 43, 157-168	15.4	183
560	Segmenting hippocampal subfields from 3T MRI with multi-modality images. <i>Medical Image Analysis</i> , 2018 , 43, 10-22	15.4	11
559	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
558	A computational method for longitudinal mapping of orientation-specific expansion of cortical surface in infants. <i>Medical Image Analysis</i> , 2018 , 49, 46-59	15.4	2
557	Voxel Deconvolutional Networks for 3D Brain Image Labeling. <i>KDD: Proceedings</i> , 2018 , 2018, 1226-1234	6.8	9
556	Deep Adversarial Learning for Multi-Modality Missing Data Completion 2018 ,		25
555	Diagnosis of Autism Spectrum Disorders Using Multi-Level High-Order Functional Networks Derived From Resting-State Functional MRI. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 184	3.3	34
554	Simultaneous Estimation of Low- and High-Order Functional Connectivity for Identifying Mild Cognitive Impairment. <i>Frontiers in Neuroinformatics</i> , 2018 , 12, 3	3.9	28
553	Genetic influences on neonatal cortical thickness and surface area. <i>Human Brain Mapping</i> , 2018 , 39, 4998-5013	5.0	16

552	Pelvic Organ Segmentation Using Distinctive Curve Guided Fully Convolutional Networks. <i>IEEE Transactions on Medical Imaging</i> , 2018 ,	11.7	3
551	Malignant Brain Tumor Classification Using the Random Forest Method. <i>Lecture Notes in Computer Science</i> , 2018 , 14-21	0.9	4
550	Data-driven graph construction and graph learning: A review. <i>Neurocomputing</i> , 2018 , 312, 336-351	5.4	55
549	O10.3. EARLY BRAIN AND COGNITIVE DEVELOPMENT IN CHILDREN AT RISK FOR SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2018 , 44, S103-S104	1.3	1
548	Non-rigid Brain MRI Registration Using Two-stage Deep Perceptive Networks 2018 , 2018,	0	1
547	Multi-Layer Multi-View Classification for Alzheimer's Disease Diagnosis. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2018 , 2018, 4406-4413	5	4
546	Deep Learning for Fast and Spatially-Constrained Tissue Quantification from Highly-Undersampled Data in Magnetic Resonance Fingerprinting (MRF). <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 398-403	0.9	2
545	Do Baby Brain Cortices that Look Alike at Birth Grow Alike During the First Year of Postnatal Development?. <i>Lecture Notes in Computer Science</i> , 2018 , 566-574	0.9	1
544	Automatic Accurate Infant Cerebellar Tissue Segmentation with Densely Connected Convolutional Network. <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 233-240	0.9	2
543	Multi-layer Large-Scale Functional Connectome Reveals Infant Brain Developmental Patterns. <i>Lecture Notes in Computer Science</i> , 2018 , 136-144	0.9	4
542	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
541	Deep Learning Based Multi-Modal Fusion for Fast MR Reconstruction. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 ,	5	44
540	Hierarchical Vertex Regression-Based Segmentation of Head and Neck CT Images for Radiotherapy Planning. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 923-937	8.7	47
539	Robust brain ROI segmentation by deformation regression and deformable shape model. <i>Medical Image Analysis</i> , 2018 , 43, 198-213	15.4	17
538	Improving Sparsity and Modularity of High-Order Functional Connectivity Networks for MCI and ASD Identification. <i>Frontiers in Neuroscience</i> , 2018 , 12, 959	5.1	11
537	Image denoising with morphology- and size-adaptive block-matching transform domain filtering. <i>Eurasip Journal on Image and Video Processing</i> , 2018 , 2018,	2.5	3
536	Temporal Correlation Structure Learning for MCI Conversion Prediction. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 446-454	0.9	2
535	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

534	Spatiotemporal Analysis of Developing Brain Networks. <i>Frontiers in Neuroinformatics</i> , 2018 , 12, 48	3.9	0
533	Unpaired Deep Cross-Modality Synthesis with Fast Training. <i>Lecture Notes in Computer Science</i> , 2018 , 11045, 155-164	0.9	9
532	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
531	Craniomaxillofacial Bony Structures Segmentation from MRI with Deep-Supervision Adversarial Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 11073, 720-727	0.9	16
530	Angular Upsampling in Infant Diffusion MRI Using Neighborhood Matching in - Space. <i>Frontiers in Neuroinformatics</i> , 2018 , 12, 57	3.9	4
529	Enhancement of Perivascular Spaces Using a Very Deep 3D Dense Network. <i>Lecture Notes in Computer Science</i> , 2018 , 18-25	0.9	2
528	A Novel Deep Learning Framework on Brain Functional Networks for Early MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 293-301	0.9	16
527	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
526	Early Diagnosis of Autism Disease by Multi-channel CNNs. <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 303-309	0.9	19
525	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 215-223	0.9	13
524	Deep Chronnectome Learning via Full Bidirectional Long Short-Term Memory Networks for MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 249-257	0.9	21
523	A NOVEL IMAGE-SPECIFIC TRANSFER APPROACH FOR PROSTATE SEGMENTATION IN MR IMAGES. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2018 , 2018, 806-810	1.6	1
522	Dual-Domain Cascaded Regression for Synthesizing 7T from 3T MRI. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 410-417	0.9	7
521	Registration-Free Infant Cortical Surface Parcellation using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 672-680	0.9	13
520	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	
519	Revealing Regional Associations of Cortical Folding Alterations with In Utero Ventricular Dilation Using Joint Spectral Embedding. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 620-627	0.9	2
518	ASDNet: Attention Based Semi-supervised Deep Networks for Medical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2018 , 370-378	0.9	86
517	ESTIMATION OF SHAPE AND GROWTH BRAIN NETWORK ATLASES FOR CONNECTOMIC BRAIN MAPPING IN DEVELOPING INFANTS 2018 , 2018, 985-989	1.5	2

516	Multi-modal Neuroimaging Data Fusion via Latent Space Learning for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science, 2018, 11121, 76-84</i>	0.9	6
515	Joint Robust Imputation and Classification for Early Dementia Detection Using Incomplete Multi-modality Data. <i>Lecture Notes in Computer Science, 2018, 11121, 51-59</i>	0.9	1
514	Locality Adaptive Multi-modality GANs for High-Quality PET Image Synthesis. <i>Lecture Notes in Computer Science, 2018, 11070, 329-337</i>	0.9	7
513	Low-Rank Representation for Multi-center Autism Spectrum Disorder Identification. <i>Lecture Notes in Computer Science, 2018, 11070, 647-654</i>	0.9	14
512	Adversarial Similarity Network for Evaluating Image Alignment in Deep Learning based Registration. <i>Lecture Notes in Computer Science, 2018, 11070, 739-746</i>	0.9	44
511	Penalized Geodesic Tractography for Mitigating Gyral Bias. <i>Lecture Notes in Computer Science, 2018, 11072, 12-19</i>	0.9	2
510	Volume-Based Analysis of 6-Month-Old Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis. <i>Lecture Notes in Computer Science, 2018, 11072, 411-419</i>	0.9	41
509	A Multi-Tissue Global Estimation Framework for Asymmetric Fiber Orientation Distributions. <i>Lecture Notes in Computer Science, 2018, 11072, 45-52</i>	0.9	4
508	Fine-Grained Segmentation Using Hierarchical Dilated Neural Networks. <i>Lecture Notes in Computer Science, 2018, 488-496</i>	0.9	8
507	Densely Deep Supervised Networks with Threshold Loss for Cancer Detection in Automated Breast Ultrasound. <i>Lecture Notes in Computer Science, 2018, 641-648</i>	0.9	14
506	Topological Correction of Infant Cortical Surfaces Using Anatomically Constrained U-Net. <i>Lecture Notes in Computer Science, 2018, 125-133</i>	0.9	2
505	Fully automatic segmentation of paraspinal muscles from 3D torso CT images via multi-scale iterative random forest classifications. <i>International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1697-1706</i>	3.9	12
504	A COMPUTATIONAL METHOD FOR LONGITUDINAL MAPPING OF ORIENTATION-SPECIFIC EXPANSION OF CORTICAL SURFACE AREA IN INFANTS 2018, 2018, 683-686	1.5	
503	FETAL CORTICAL PARCELLATION BASED ON GROWTH PATTERNS 2018, 2018, 696-699	1.5	2
502	CONSTRUCTION OF SPATIOTEMPORAL INFANT CORTICAL SURFACE ATLAS OF RHESUS MACAQUE 2018, 2018, 704-707	1.5	7
501	SEMI-SUPERVISED LEARNING FOR PELVIC MR IMAGE SEGMENTATION BASED ON MULTI-TASK RESIDUAL FULLY CONVOLUTIONAL NETWORKS 2018, 2018, 885-888	1.5	14
500	INFANT BRAIN DEVELOPMENT PREDICTION WITH LATENT PARTIAL MULTI-VIEW REPRESENTATION LEARNING 2018, 2018, 1048-1051	1.5	2
499	CONSTRUCTION OF SPATIOTEMPORAL NEONATAL CORTICAL SURFACE ATLASES USING A LARGE-SCALE DATASET 2018, 2018, 1056-1059	1.5	5

498	Integrative radiomics expression predicts molecular subtypes of primary clear cell renal cell carcinoma. <i>Clinical Radiology</i> , 2018 , 73, 782-791	2.9	19
497	Polyp detection during colonoscopy using a regression-based convolutional neural network with a tracker. <i>Pattern Recognition</i> , 2018 , 83, 209-219	7.7	78
496	Cognitive Assessment Prediction in Alzheimer's Disease by Multi-Layer Multi-Target Regression. <i>Neuroinformatics</i> , 2018 , 16, 285-294	3.2	10
495	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
494	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
493	Semisupervised Triple Dictionary Learning for Standard-Dose PET Image Prediction Using Low-Dose PET and Multimodal MRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 569-579	5	49
492	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
491	Deep ensemble learning of sparse regression models for brain disease diagnosis. <i>Medical Image Analysis</i> , 2017 , 37, 101-113	15.4	147
490	Connectivity strength-weighted sparse group representation-based brain network construction for MCI classification. <i>Human Brain Mapping</i> , 2017 , 38, 2370-2383	5.9	53
489	MRI-based prostate cancer detection with high-level representation and hierarchical classification. <i>Medical Physics</i> , 2017 , 44, 1028-1039	4.4	35
488	Reduced White Matter Integrity in Antisocial Personality Disorder: A Diffusion Tensor Imaging Study. <i>Scientific Reports</i> , 2017 , 7, 43002	4.9	26
487	Structured Learning for 3-D Perivascular Space Segmentation Using Vascular Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 2803-2812	5	16
486	Deep Learning in Medical Image Analysis. <i>Annual Review of Biomedical Engineering</i> , 2017 , 19, 221-248	12	1778
485	7T-guided super-resolution of 3T MRI. <i>Medical Physics</i> , 2017 , 44, 1661-1677	4.4	28
484	Associations between Tumor Vascularity, Vascular Endothelial Growth Factor Expression and PET/MRI Radiomic Signatures in Primary Clear-Cell-Renal-Cell-Carcinoma: Proof-of-Concept Study. <i>Scientific Reports</i> , 2017 , 7, 43356	4.9	44
483	A Hierarchical Feature and Sample Selection Framework and Its Application for Alzheimer's Disease Diagnosis. <i>Scientific Reports</i> , 2017 , 7, 45269	4.9	16
482	Dual-core steered non-rigid registration for multi-modal images via bi-directional image synthesis. <i>Medical Image Analysis</i> , 2017 , 41, 18-31	15.4	44
481	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

480	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
479	Modeling Rett Syndrome Using TALEN-Edited MECP2 Mutant Cynomolgus Monkeys. <i>Cell</i> , 2017 , 169, 945-955.e10	56.2	101
478	Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. <i>Neuroinformatics</i> , 2017 , 15, 271-284	3.2	23
477	Multi-Domain Transfer Learning for Early Diagnosis of Alzheimer's Disease. <i>Neuroinformatics</i> , 2017 , 15, 115-132	3.2	43
476	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. <i>Human Brain Mapping</i> , 2017 , 38, 3081-3097	5.9	50
475	Spatio-angular consistent construction of neonatal diffusion MRI atlases. <i>Human Brain Mapping</i> , 2017 , 38, 3175-3189	5.9	8
474	Joint prediction of longitudinal development of cortical surfaces and white matter fibers from neonatal MRI. <i>NeuroImage</i> , 2017 , 152, 411-424	7.9	19
473	Can we predict subject-specific dynamic cortical thickness maps during infancy from birth?. <i>Human Brain Mapping</i> , 2017 , 38, 2865-2874	5.9	12
472	Learning-based deformable image registration for infant MR images in the first year of life. <i>Medical Physics</i> , 2017 , 44, 158-170	4.4	13
471	An automated method for identifying an independent component analysis-based language-related resting-state network in brain tumor subjects for surgical planning. <i>Scientific Reports</i> , 2017 , 7, 13769	4.9	25
470	Joint Sparse and Low-Rank Regularized MultiTask Multi-Linear Regression for Prediction of Infant Brain Development with Incomplete Data. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 40-48	0.9	3
469	Constructing Multi-frequency High-Order Functional Connectivity Network for Diagnosis of Mild Cognitive Impairment. <i>Lecture Notes in Computer Science</i> , 2017 , 10511, 9-16	0.9	9
468	Maximum Mean Discrepancy Based Multiple Kernel Learning for Incomplete Multimodality Neuroimaging Data. <i>Lecture Notes in Computer Science</i> , 2017 , 10435, 72-80	0.9	12
467	Robust Fusion of Diffusion MRI Data for Template Construction. <i>Scientific Reports</i> , 2017 , 7, 12950	4.9	10
466	Low-Rank Graph-Regularized Structured Sparse Regression for Identifying Genetic Biomarkers. <i>IEEE Transactions on Big Data</i> , 2017 , 3, 405-414	3.2	49
465	Predicting Alzheimer's Disease Cognitive Assessment via Robust Low-Rank Structured Sparse Model. <i>IJCAI: Proceedings of the Conference</i> , 2017 , 2017, 3880-3886	2.1	5
464	Structural and Maturational Covariance in Early Childhood Brain Development. <i>Cerebral Cortex</i> , 2017 , 27, 1795-1807	5.1	91
463	Medical Image Synthesis with Context-Aware Generative Adversarial Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 10435, 417-425	0.9	221

462	Consciousness Level and Recovery Outcome Prediction Using High-Order Brain Functional Connectivity Network. <i>Lecture Notes in Computer Science</i> , 2017 , 10511, 17-24	0.9	1
461	Segmentation of Craniomaxillofacial Bony Structures from MRI with a 3D Deep-Learning Based Cascade Framework. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 266-273	0.9	14
460	Learning-based deformable registration for infant MRI by integrating random forest with auto-context model. <i>Medical Physics</i> , 2017 , 44, 6289-6303	4.4	13
459	Exploring Gyral Patterns of Infant Cortical Folding based on Multi-view Curvature Information. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 12-20	0.9	5
458	Joint Reconstruction and Segmentation of 7T-like MR Images from 3T MRI Based on Cascaded Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 764-772	0.9	14
457	Deep Multi-Task Multi-Channel Learning for Joint Classification and Regression of Brain Status. <i>Lecture Notes in Computer Science</i> , 2017 , 10435, 3-11	0.9	22
456	Deformable Image Registration based on Similarity-Steered CNN Regression. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 300-308	0.9	78
455	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 168-175	0.9	3
454	Enhancement of Perivascular Spaces in 7 T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. <i>Scientific Reports</i> , 2017 , 7, 8569	4.9	16
453	Measuring Spectral Inconsistency of Multispectral Images for Detection and Segmentation of Retinal Degenerative Changes. <i>Scientific Reports</i> , 2017 , 7, 11288	4.9	3
452	Multimodal Hyper-connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 433-441	0.9	2
451	Learning-based structurally-guided construction of resting-state functional correlation tensors. <i>Magnetic Resonance Imaging</i> , 2017 , 43, 110-121	3.3	16
450	Gyral net: A new representation of cortical folding organization. <i>Medical Image Analysis</i> , 2017 , 42, 14-25	15.4	17
449	Hybrid High-order Functional Connectivity Networks Using Resting-state Functional MRI for Mild Cognitive Impairment Diagnosis. <i>Scientific Reports</i> , 2017 , 7, 6530	4.9	62
448	SEGMENTATION OF ORGANS AT RISK IN THORACIC CT IMAGES USING A SHARPMASK ARCHITECTURE AND CONDITIONAL RANDOM FIELDS 2017 , 2017, 1003-1006	1.5	29
447	Longitudinal multi-scale mapping of infant cortical folding using spherical wavelets 2017 ,		1
446	Deep Auto-context Convolutional Neural Networks for Standard-Dose PET Image Estimation from Low-Dose PET/MRI. <i>Neurocomputing</i> , 2017 , 267, 406-416	5.4	136
445	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

444	Extraction of dynamic functional connectivity from brain grey matter and white matter for MCI classification. <i>Human Brain Mapping</i> , 2017 , 38, 5019-5034	5.9	96
443	Disrupted functional connectome in antisocial personality disorder. <i>Brain Imaging and Behavior</i> , 2017 , 11, 1071-1084	4.1	11
442	Feature fusion via hierarchical supervised local CCA for diagnosis of autism spectrum disorder. <i>Brain Imaging and Behavior</i> , 2017 , 11, 1050-1060	4.1	11
441	Robust multi-atlas label propagation by deep sparse representation. <i>Pattern Recognition</i> , 2017 , 63, 511-517	5.7	23
440	Automatic cystocele severity grading in transperineal ultrasound by random forest regression. <i>Pattern Recognition</i> , 2017 , 63, 551-560	7.7	7
439	Brain Atlas Fusion from High-Thickness Diagnostic Magnetic Resonance Images by Learning-Based Super-Resolution. <i>Pattern Recognition</i> , 2017 , 63, 531-541	7.7	17
438	Scalable Joint Segmentation and Registration Framework for Infant Brain Images. <i>Neurocomputing</i> , 2017 , 229, 54-62	5.4	11
437	Deformable MR Prostate Segmentation via Deep Feature Learning and Sparse Patch Matching 2017 , 197-222		11
436	Remodeling Pearson's Correlation for Functional Brain Network Estimation and Autism Spectrum Disorder Identification. <i>Frontiers in Neuroinformatics</i> , 2017 , 11, 55	3.9	37
435	Test-Retest Reliability of "High-Order" Functional Connectivity in Young Healthy Adults. <i>Frontiers in Neuroscience</i> , 2017 , 11, 439	5.1	34
434	Evaluation of PET/MRI for Tumor Volume Delineation for Head and Neck Cancer. <i>Frontiers in Oncology</i> , 2017 , 7, 8	5.3	12
433	Image mosaicking using SURF features of line segments. <i>PLoS ONE</i> , 2017 , 12, e0173627	3.7	9
432	LONGITUDINAL MULTI-SCALE MAPPING OF INFANT CORTICAL FOLDING USING SPHERICAL WAVELETS 2017 , 2017, 93-96	1.5	2
431	Cerebellum Tissue Segmentation with Ensemble Sparse Learning 2017 , 25,	0	1
430	Learning Subnetwork Biomarkers via Hypergraph for Classification of Autism Disease 2017 , 2017, 1719	0	
429	Estimation of Clean and Centered Brain Network Atlases using Diffusive-Shrinking Graphs with Application to Developing Brains. <i>Lecture Notes in Computer Science</i> , 2017 , 10265, 385-397	0.9	14
428	LATEST: Local AdapTive and Sequential Training for Tissue Segmentation of Isointense Infant Brain MR Images. <i>Lecture Notes in Computer Science</i> , 2017 , 2017, 26-34	0.9	1
427	Does Manual Delineation only Provide the Side Information in CT Prostate Segmentation?. <i>Lecture Notes in Computer Science</i> , 2017 , 10435, 692-700	0.9	9

426	4D Infant Cortical Surface Atlas Construction using Spherical Patch-based Sparse Representation. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 57-65	0.9	12
425	Neighborhood Matching for Curved Domains with Application to Denoising in Diffusion MRI. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 629-637	0.9	10
424	Multi-label Inductive Matrix Completion for Joint MGMT and IDH1 Status Prediction for Glioma Patients. <i>Lecture Notes in Computer Science</i> , 2017 , 10434, 450-458	0.9	8
423	Joint Craniomaxillofacial Bone Segmentation and Landmark Digitization by Context-Guided Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 10434, 720-728	0.9	20
422	Feature Learning and Fusion of Multimodality Neuroimaging and Genetic Data for Multi-status Dementia Diagnosis. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 132-140	0.9	13
421	Efficient Groupwise Registration for Brain MRI by Fast Initialization. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 150-158	0.9	2
420	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
419	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
418	Early Brain Functional Segregation and Integration Predict Later Cognitive Performance. <i>Lecture Notes in Computer Science</i> , 2017 , 116-124	0.9	1
417	Graph-Constrained Sparse Construction of Longitudinal Diffusion-Weighted Infant Atlases. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 49-56	0.9	9
416	Developmental Patterns Based Individualized Parcellation of Infant Cortical Surface. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 66-74	0.9	1
415	-Space Upsampling Using - Space Regularization. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 620-628.	0.9	2
414	Subspace Regularized Sparse Multitask Learning for Multiclass Neurodegenerative Disease Identification. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 607-18	5	144
413	Sparse temporally dynamic resting-state functional connectivity networks for early MCI identification. <i>Brain Imaging and Behavior</i> , 2016 , 10, 342-56	4.1	110
412	Cortical thickness and surface area in neonates at high risk for schizophrenia. <i>Brain Structure and Function</i> , 2016 , 221, 447-61	4	42
411	Cross-Manifold Guidance in Deformable Registration of Brain MR Images. <i>Lecture Notes in Computer Science</i> , 2016 , 415-424	0.9	1
410	Learning Appearance and Shape Evolution for Infant Image Registration in the First Year of Life. <i>Lecture Notes in Computer Science</i> , 2016 , 36-44	0.9	2
409	Learning-based subject-specific estimation of dynamic maps of cortical morphology at missing time points in longitudinal infant studies. <i>Human Brain Mapping</i> , 2016 , 37, 4129-4147	5.9	13

408	3D Deep Learning for Multi-modal Imaging-Guided Survival Time Prediction of Brain Tumor Patients. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 212-220	0.9	109
407	Learning-Based Multimodal Image Registration for Prostate Cancer Radiation Therapy. <i>Lecture Notes in Computer Science</i> , 2016 , 9902, 1-9	0.9	18
406	Automatic Segmentation of Hippocampus for Longitudinal Infant Brain MR Image Sequence by Spatial-Temporal Hypergraph Learning. <i>Lecture Notes in Computer Science</i> , 2016 , 9993, 1-8	0.9	4
405	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
404	Computer-Aided Diagnosis with Deep Learning Architecture: Applications to Breast Lesions in US Images and Pulmonary Nodules in CT Scans. <i>Scientific Reports</i> , 2016 , 6, 24454	4.9	360
403	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
402	Semi-supervised Hierarchical Multimodal Feature and Sample Selection for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 79-87	0.9	7
401	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
400	Structured Sparse Kernel Learning for Imaging Genetics Based Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 70-78	0.9	16
399	Convolutional Neural Network for Reconstruction of 7T-like Images from 3T MRI Using Appearance and Anatomical Features. <i>Lecture Notes in Computer Science</i> , 2016 , 39-47	0.9	59
398	Early Diagnosis of Alzheimer's Disease by Joint Feature Selection and Classification on Temporally Structured Support Vector Machine. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 264-272	0.9	16
397	Detecting Anatomical Landmarks for Fast Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 2524-2533	11.7	105
396	Segmentation of perivascular spaces in 7T MR image using auto-context model with orientation-normalized features. <i>NeuroImage</i> , 2016 , 134, 223-235	7.9	19
395	Joint feature-sample selection and robust diagnosis of Parkinson's disease from MRI data. <i>NeuroImage</i> , 2016 , 141, 206-219	7.9	57
394	Multi-task feature selection via supervised canonical graph matching for diagnosis of autism spectrum disorder. <i>Brain Imaging and Behavior</i> , 2016 , 10, 33-40	4.1	16
393	Predicting standard-dose PET image from low-dose PET and multimodal MR images using mapping-based sparse representation. <i>Physics in Medicine and Biology</i> , 2016 , 61, 791-812	3.8	44
392	State-space model with deep learning for functional dynamics estimation in resting-state fMRI. <i>NeuroImage</i> , 2016 , 129, 292-307	7.9	163
391	Scalable High-Performance Image Registration Framework by Unsupervised Deep Feature Representations Learning. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1505-16	5	166

390	Denoising Magnetic Resonance Images Using Collaborative Non-Local Means. <i>Neurocomputing</i> , 2016 , 177, 215-227	5.4	30
389	Sparse Multi-Response Tensor Regression for Alzheimer's Disease Study With Multivariate Clinical Assessments. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1927-36	11.7	19
388	Hyper-connectivity of functional networks for brain disease diagnosis. <i>Medical Image Analysis</i> , 2016 , 32, 84-100	15.4	65
387	Deformable MR Prostate Segmentation via Deep Feature Learning and Sparse Patch Matching. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1077-89	11.7	156
386	Accurate Segmentation of CT Male Pelvic Organs via Regression-Based Deformable Models and Multi-Task Random Forests. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1532-43	11.7	56
385	Multiatlas-Based Segmentation Editing With Interaction-Guided Patch Selection and Label Fusion. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1208-1219	5	4
384	Visualization of perivascular spaces in the human brain at 7T: sequence optimization and morphology characterization. <i>NeuroImage</i> , 2016 , 125, 895-902	7.9	36
383	In vivo MRI based prostate cancer localization with random forests and auto-context model. <i>Computerized Medical Imaging and Graphics</i> , 2016 , 52, 44-57	7.6	14
382	Predicting infant cortical surface development using a 4D varifold-based learning framework and local topography-based shape morphing. <i>Medical Image Analysis</i> , 2016 , 28, 1-12	15.4	20
381	Relationship Induced Multi-Template Learning for Diagnosis of Alzheimer's Disease and Mild Cognitive Impairment. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1463-74	11.7	120
380	Discriminative multi-task feature selection for multi-modality classification of Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2016 , 10, 739-49	4.1	30
379	Label-aligned multi-task feature learning for multimodal classification of Alzheimer's disease and mild cognitive impairment. <i>Brain Imaging and Behavior</i> , 2016 , 10, 1148-1159	4.1	45
378	Automatic Craniomaxillofacial Landmark Digitization via Segmentation-Guided Partially-Joint Regression Forest Model and Multiscale Statistical Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1820-1829	5	32
377	Identification of progressive mild cognitive impairment patients using incomplete longitudinal MRI scans. <i>Brain Structure and Function</i> , 2016 , 221, 3979-3995	4	31
376	Estimating CT Image From MRI Data Using Structured Random Forest and Auto-Context Model. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 174-83	11.7	155
375	Canonical feature selection for joint regression and multi-class identification in Alzheimer's disease diagnosis. <i>Brain Imaging and Behavior</i> , 2016 , 10, 818-28	4.1	64
374	Graph-guided joint prediction of class label and clinical scores for the Alzheimer's disease. <i>Brain Structure and Function</i> , 2016 , 221, 3787-801	4	23
373	Deep sparse multi-task learning for feature selection in Alzheimer's disease diagnosis. <i>Brain Structure and Function</i> , 2016 , 221, 2569-87	4	83

372	A Learning-Based CT Prostate Segmentation Method via Joint Transductive Feature Selection and Regression. <i>Neurocomputing</i> , 2016 , 173, 317-331	5.4	15
371	Landmark-Based Alzheimer's Disease Diagnosis Using Longitudinal Structural MR Images. <i>Lecture Notes in Computer Science</i> , 2016 , 10081, 35-45	0.9	1
370	Automated segmentation of dental CBCT image with prior-guided sequential random forests. <i>Medical Physics</i> , 2016 , 43, 336	4.4	33
369	Automated Segmentation of CBCT Image with Prior-Guided Sequential Random Forest. <i>Lecture Notes in Computer Science</i> , 2016 , 72-82	0.9	4
368	Learning-Based Topological Correction for Infant Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 219-227	0.9	15
367	Progressive Graph-Based Transductive Learning for Multi-modal Classification of Brain Disorder Disease. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 291-299	0.9	8
366	Structured Sparse Low-Rank Regression Model for Brain-Wide and Genome-Wide Associations. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 344-352	0.9	11
365	Correlation-Weighted Sparse Group Representation for Brain Network Construction in MCI Classification. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 37-45	0.9	13
364	Feature Selection Based on Iterative Canonical Correlation Analysis for Automatic Diagnosis of Parkinson's Disease. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 1-8	0.9	8
363	Ensemble Hierarchical High-Order Functional Connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 18-25	0.9	11
362	Outcome Prediction for Patient with High-Grade Gliomas from Brain Functional and Structural Networks. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 26-34	0.9	24
361	Tight Graph Framelets for Sparse Diffusion MRI -Space Representation. <i>Lecture Notes in Computer Science</i> , 2016 , 9902, 561-569	0.9	6
360	XQ-NLM: Denoising Diffusion MRI Data via Space Non-Local Patch Matching. <i>Lecture Notes in Computer Science</i> , 2016 , 9902, 587-595	0.9	11
359	Construction of Neonatal Diffusion Atlases via Spatio-Angular Consistency. <i>Lecture Notes in Computer Science</i> , 2016 , 9993, 9-16	0.9	3
358	Joint Discriminative and Representative Feature Selection for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 77-85	0.9	2
357	Deep Ensemble Sparse Regression Network for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 113-121	0.9	13
356	Automatic Hippocampal Subfield Segmentation from 3T Multi-modality Images. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 229-236	0.9	2
355	Denoising Diffusion-Weighted Images Using Grouped Iterative Hard Thresholding of Multi-Channel Framelets. <i>Mathematics and Visualization</i> , 2016 , 2016, 49-59	0.6	1

354	Robust Construction of Diffusion MRI Atlases with Correction for Inter-Subject Fiber Dispersion. <i>Mathematics and Visualization</i> , 2016 , 2016, 113-121	0.6	2
353	Discovering Cortical Folding Patterns in Neonatal Cortical Surfaces Using Large-Scale Dataset. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 10-18	0.9	6
352	Relationship Induced Multi-atlas Learning for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , 2016 , 24-33	0.9	
351	Fast Neuroimaging-Based Retrieval for Alzheimer's Disease Analysis. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 313-321	0.9	1
350	Multitemplate-based multiview learning for Alzheimer's disease diagnosis 2016 , 259-297		2
349	Multiple-Atlas Segmentation in Medical Imaging 2016 , 231-257		2
348	Multilevel Deficiency of White Matter Connectivity Networks in Alzheimer's Disease: A Diffusion MRI Study with DTI and HARDI Models. <i>Neural Plasticity</i> , 2016 , 2016, 2947136	3.3	19
347	Abnormal Changes of Brain Cortical Anatomy and the Association with Plasma MicroRNA107 Level in Amnesic Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 112	5.3	10
346	Embarrassingly Parallel Acceleration of Global Tractography via Dynamic Domain Partitioning. <i>Frontiers in Neuroinformatics</i> , 2016 , 10, 25	3.9	3
345	Consistent Spatial-Temporal Longitudinal Atlas Construction for Developing Infant Brains. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 2568-2577	11.7	27
344	FULLY CONVOLUTIONAL NETWORKS FOR MULTI-MODALITY ISOINTENSE INFANT BRAIN IMAGE SEGMENTATION 2016 , 2016, 1342-1345	1.5	118
343	Detail-preserving construction of neonatal brain atlases in space-frequency domain. <i>Human Brain Mapping</i> , 2016 , 37, 2133-50	5.9	14
342	Composite large margin classifiers with latent subclasses for heterogeneous biomedical data. <i>Statistical Analysis and Data Mining</i> , 2016 , 9, 75-88	1.4	2
341	Multi-Tissue Decomposition of Diffusion MRI Signals via Sparse-Group Estimation. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4340-4353	8.7	17
340	High-order resting-state functional connectivity network for MCI classification. <i>Human Brain Mapping</i> , 2016 , 37, 3282-96	5.9	144
339	Diagnosis of Autism Spectrum Disorders Using Temporally Distinct Resting-State Functional Connectivity Networks. <i>CNS Neuroscience and Therapeutics</i> , 2016 , 22, 212-9	6.8	45
338	Nonlocal atlas-guided multi-channel forest learning for human brain labeling. <i>Medical Physics</i> , 2016 , 43, 1003-19	4.4	8
337	Topographical Information-Based High-Order Functional Connectivity and Its Application in Abnormality Detection for Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2016 , 54, 1095-1112	4.3	70

336	Learning-based 3T brain MRI segmentation with guidance from 7T MRI labeling. <i>Medical Physics</i> , 2016 , 43, 6588	4.4	4
335	Improving Estimation of Fiber Orientations in Diffusion MRI Using Inter-Subject Information Sharing. <i>Scientific Reports</i> , 2016 , 6, 37847	4.9	13
334	Automatic labeling of MR brain images by hierarchical learning of atlas forests. <i>Medical Physics</i> , 2016 , 43, 1175-86	4.4	24
333	Inherent Structure-Based Multiview Learning With Multitemplate Feature Representation for Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1473-82	5	64
332	Reconstruction of 7T-Like Images From 3T MRI. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 2085-97	11.7	52
331	Multidirectional and Topography-based Dynamic-scale Varifold Representations with Application to Matching Developing Cortical Surfaces. <i>NeuroImage</i> , 2016 , 135, 152-62	7.9	9
330	Multi-Level Canonical Correlation Analysis for Standard-Dose PET Image Estimation. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3303-3315	8.7	32
329	Reduced cortical thickness and increased surface area in antisocial personality disorder. <i>Neuroscience</i> , 2016 , 337, 143-152	3.9	16
328	Subject-specific Estimation of Missing Cortical Thickness Maps in Developing Infant Brains. <i>Lecture Notes in Computer Science</i> , 2016 , 9601, 83-92	0.9	1
327	Longitudinal clinical score prediction in Alzheimer's disease with soft-split sparse regression based random forest. <i>Neurobiology of Aging</i> , 2016 , 46, 180-91	5.6	70
326	Estimating functional brain networks by incorporating a modularity prior. <i>NeuroImage</i> , 2016 , 141, 399-407	7.9	69
325	Spatial Patterns, Longitudinal Development, and Hemispheric Asymmetries of Cortical Thickness in Infants from Birth to 2 Years of Age. <i>Journal of Neuroscience</i> , 2015 , 35, 9150-62	6.6	107
324	Image-Guided Radiotherapy with Machine Learning 2015 , 157-192		
323	Anatomy-guided Dense Individualized and Common Connectivity-based Cortical Landmarks (A-DICCCOL). <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 1108-19	5	10
322	Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. <i>Cerebral Cortex</i> , 2015 , 25, 2204-12	5.1	200
321	Multimodal manifold-regularized transfer learning for MCI conversion prediction. <i>Brain Imaging and Behavior</i> , 2015 , 9, 913-26	4.1	52
320	A Robust Deep Model for Improved Classification of AD/MCI Patients. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 1610-6	7.2	160
319	Semi-automatic segmentation of prostate in CT images via coupled feature representation and spatial-constrained transductive lasso. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 2286-303	13.3	23

318	Domain Transfer Learning for MCI Conversion Prediction. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 1805-1817	5	101
317	An efficient radius-incorporated MKL algorithm for Alzheimer's disease prediction. <i>Pattern Recognition</i> , 2015 , 48, 2141-2150	7.7	10
316	Robust anatomical landmark detection with application to MR brain image registration. <i>Computerized Medical Imaging and Graphics</i> , 2015 , 46 Pt 3, 277-90	7.6	14
315	Deep Learning in Diagnosis of Brain Disorders. <i>Trends in Augmentation of Human Performance</i> , 2015 , 203-213		24
314	A Hybrid of Deep Network and Hidden Markov Model for MCI Identification with Resting-State fMRI. <i>Lecture Notes in Computer Science</i> , 2015 , 9349, 573-580	0.9	11
313	Automatic Craniomaxillofacial Landmark Digitization via Segmentation-Guided Partially-Joint Regression Forest Model. <i>Lecture Notes in Computer Science</i> , 2015 , 661-668	0.9	1
312	Locally-constrained boundary regression for segmentation of prostate and rectum in the planning CT images. <i>Medical Image Analysis</i> , 2015 , 26, 345-56	15.4	30
311	Cortical Surface-Based Construction of Individual Structural Network with Application to Early Brain Development Study. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 560-568	0.9	
310	Craniomaxillofacial Deformity Correction via Sparse Representation in Coherent Space. <i>Lecture Notes in Computer Science</i> , 2015 , 69-76	0.9	4
309	Identification of infants at high-risk for autism spectrum disorder using multiparameter multiscale white matter connectivity networks. <i>Human Brain Mapping</i> , 2015 , 36, 4880-96	5.9	58
308	AUTOMATIC PARCELLATION OF CORTICAL SURFACES USING RANDOM FORESTS 2015 , 2015, 810-813	1.5	3
307	LRTV: MR Image Super-Resolution With Low-Rank and Total Variation Regularizations. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 2459-66	11.7	135
306	Initial experience in hybrid PET-MRI for evaluation of refractory focal onset epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015 , 31, 1-4	3.2	33
305	Prediction of standard-dose brain PET image by using MRI and low-dose brain [18F]FDG PET images. <i>Medical Physics</i> , 2015 , 42, 5301-9	4.4	32
304	Supervised Discriminative Group Sparse Representation for Mild Cognitive Impairment Diagnosis. <i>Neuroinformatics</i> , 2015 , 13, 277-95	3.2	37
303	Hierarchical multi-atlas label fusion with multi-scale feature representation and label-specific patch partition. <i>NeuroImage</i> , 2015 , 106, 34-46	7.9	79
302	Latent feature representation with stacked auto-encoder for AD/MCI diagnosis. <i>Brain Structure and Function</i> , 2015 , 220, 841-59	4	313
301	Improved image registration by sparse patch-based deformation estimation. <i>NeuroImage</i> , 2015 , 105, 257-68	7.9	30

300	Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. <i>Medical Physics</i> , 2015 , 42, 4174-89	4.4	8
299	Estimating patient-specific and anatomically correct reference model for craniomaxillofacial deformity via sparse representation. <i>Medical Physics</i> , 2015 , 42, 5809-16	4.4	11
298	Online updating of context-aware landmark detectors for prostate localization in daily treatment CT images. <i>Medical Physics</i> , 2015 , 42, 2594-606	4.4	1
297	MRI-based prostate volume-adjusted prostate-specific antigen in the diagnosis of prostate cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1733-9	5.6	18
296	Spatiotemporal patterns of cortical fiber density in developing infants, and their relationship with cortical thickness. <i>Human Brain Mapping</i> , 2015 , 36, 5183-95	5.9	24
295	Manifold regularized multitask feature learning for multimodality disease classification. <i>Human Brain Mapping</i> , 2015 , 36, 489-507	5.9	90
294	Collaborative regression-based anatomical landmark detection. <i>Physics in Medicine and Biology</i> , 2015 , 60, 9377-401	3.8	15
293	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. <i>Medical Image Analysis</i> , 2015 , 25, 22-36	15.4	90
292	Multi-Atlas and Multi-Modal Hippocampus Segmentation for Infant MR Brain Images by Propagating Anatomical Labels on Hypergraph. <i>Lecture Notes in Computer Science</i> , 2015 , 9467, 188-196	0.9	9
291	A transversal approach for patch-based label fusion via matrix completion. <i>Medical Image Analysis</i> , 2015 , 24, 135-148	15.4	18
290	View-centralized multi-atlas classification for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , 2015 , 36, 1847-65	5.9	74
289	Predict brain MR image registration via sparse learning of appearance and transformation. <i>Medical Image Analysis</i> , 2015 , 20, 61-75	15.4	25
288	LINKS: learning-based multi-source IntegratiON frameworkK for Segmentation of infant brain images. <i>NeuroImage</i> , 2015 , 108, 160-72	7.9	168
287	Deep convolutional neural networks for multi-modality isointense infant brain image segmentation. <i>NeuroImage</i> , 2015 , 108, 214-24	7.9	519
286	Surface vulnerability of cerebral cortex to major depressive disorder. <i>PLoS ONE</i> , 2015 , 10, e0120704	3.7	52
285	Prediction of Longitudinal Development of Infant Cortical Surface Shape Using a 4D Current-Based Learning Framework. <i>Lecture Notes in Computer Science</i> , 2015 , 24, 576-87	0.9	6
284	Joint 6D k-q Space Compressed Sensing for Accelerated High Angular Resolution Diffusion MRI. <i>Lecture Notes in Computer Science</i> , 2015 , 24, 782-93	0.9	9
283	Novel Single and Multiple Shell Uniform Sampling Schemes for Diffusion MRI Using Spherical Codes. <i>Lecture Notes in Computer Science</i> , 2015 , 9349, 28-36	0.9	3

282	MCI Identification by Joint Learning on Multiple MRI Data. <i>Lecture Notes in Computer Science</i> , 2015 , 9350, 78-85	0.9	15
281	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
280	Space-Frequency Detail-Preserving Construction of Neonatal Brain Atlases. <i>Lecture Notes in Computer Science</i> , 2015 , 9350, 255-262	0.9	2
279	Hierarchical Reconstruction of 7T-like Images from 3T MRI Using Multi-level CCA and Group Sparsity. <i>Lecture Notes in Computer Science</i> , 2015 , 9350, 659-666	0.9	11
278	Joint Diagnosis and Conversion Time Prediction of Progressive Mild Cognitive Impairment (pMCI) Using Low-Rank Subspace Clustering and Matrix Completion. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 527-534	0.9	9
277	Parcellation of Infant Surface Atlas Using Developmental Trajectories of Multidimensional Cortical Attributes. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 543-550	0.9	3
276	Identification of Infants at Risk for Autism Using Multi-parameter Hierarchical White Matter Connectomes. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 170-177	0.9	6
275	Multi-view Classification for Identification of Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 255-262	0.9	20
274	Prediction of Infant MRI Appearance and Anatomical Structure Evolution using Sparse Patch-based Metamorphosis Learning Framework. <i>Lecture Notes in Computer Science</i> , 2015 , 9467, 197-204	0.9	10
273	Block-Based Statistics for Robust Non-parametric Morphometry. <i>Lecture Notes in Computer Science</i> , 2015 , 9467, 62-70	0.9	2
272	Super-Resolution Reconstruction of Diffusion-Weighted Images using 4D Low-Rank and Total Variation. <i>Mathematics and Visualization</i> , 2015 , 2015, 15-25	0.6	3
271	Joint Learning of Image Regressor and Classifier for Deformable Segmentation of CT Pelvic Organs. <i>Lecture Notes in Computer Science</i> , 2015 , 114-122	0.9	6
270	Inherent Structure-Guided Multi-view Learning for Alzheimer's Disease and Mild Cognitive Impairment Classification. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 296-303	0.9	1
269	Soft-Split Random Forest for Anatomy Labeling. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 17-25	0.9	1
268	Longitudinal Guided Super-Resolution Reconstruction of Neonatal Brain MR Images. <i>Lecture Notes in Computer Science</i> , 2015 , 8682, 67-76	0.9	4
267	Tensorial Spherical Polar Fourier Diffusion MRI with Optimal Dictionary Learning. <i>Lecture Notes in Computer Science</i> , 2015 , 9349, 174-182	0.9	1
266	WE-AB-BRA-05: Fully Automatic Segmentation of Male Pelvic Organs On CT Without Manual Intervention. <i>Medical Physics</i> , 2015 , 42, 3653-3653	4.4	
265	Segmentation of neonatal brain MR images using patch-driven level sets. <i>NeuroImage</i> , 2014 , 84, 141-58	7.9	136

264	Diffusion tensor image registration using hybrid connectivity and tensor features. <i>Human Brain Mapping</i> , 2014 , 35, 3529-46	5.9	9
263	Fiber-driven resolution enhancement of diffusion-weighted images. <i>NeuroImage</i> , 2014 , 84, 939-50	7.9	13
262	Hierarchical fusion of features and classifier decisions for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , 2014 , 35, 1305-19	5.9	88
261	Diagnosis of autism spectrum disorders using regional and interregional morphological features. <i>Human Brain Mapping</i> , 2014 , 35, 3414-30	5.9	64
260	Matrix-Similarity Based Loss Function and Feature Selection for Alzheimer's Disease Diagnosis. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2014 , 2014, 3089-3096	6	49
259	Incremental learning with selective memory (ILSM): towards fast prostate localization for image guided radiotherapy. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 518-34	11.7	14
258	Hierarchical feature representation and multimodal fusion with deep learning for AD/MCI diagnosis. <i>NeuroImage</i> , 2014 , 101, 569-82	7.9	536
257	Non-Negative Spherical Deconvolution (NNSD) for estimation of fiber Orientation Distribution Function in single-/multi-shell diffusion MRI. <i>NeuroImage</i> , 2014 , 101, 750-64	7.9	32
256	Integration of network topological and connectivity properties for neuroimaging classification. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 576-89	5	89
255	Uncertainty estimation in diffusion MRI using the nonlocal bootstrap. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 1627-40	11.7	10
254	Simultaneous and consistent labeling of longitudinal dynamic developing cortical surfaces in infants. <i>Medical Image Analysis</i> , 2014 , 18, 1274-89	15.4	31
253	Multi-atlas based representations for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , 2014 , 35, 5052-70	5.9	53
252	Hierarchical lung field segmentation with joint shape and appearance sparse learning. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 1761-80	11.7	49
251	Connectome-scale assessments of structural and functional connectivity in MCI. <i>Human Brain Mapping</i> , 2014 , 35, 2911-23	5.9	52
250	Sparse multivariate autoregressive modeling for mild cognitive impairment classification. <i>Neuroinformatics</i> , 2014 , 12, 455-69	3.2	24
249	Robust anatomical landmark detection for MR brain image registration. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 186-93	0.9	17
248	HER2, MET and FGFR2 oncogenic driver alterations define distinct molecular segments for targeted therapies in gastric carcinoma. <i>British Journal of Cancer</i> , 2014 , 110, 1169-78	8.7	77
247	Learning to rank atlases for multiple-atlas segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 1939-53	11.7	41

246	FGFR2 amplification has prognostic significance in gastric cancer: results from a large international multicentre study. <i>British Journal of Cancer</i> , 2014 , 110, 967-75	8.7	129
245	Integration of sparse multi-modality representation and anatomical constraint for iso-intense infant brain MR image segmentation. <i>NeuroImage</i> , 2014 , 89, 152-64	7.9	80
244	Neurodegenerative disease diagnosis using incomplete multi-modality data via matrix shrinkage and completion. <i>NeuroImage</i> , 2014 , 91, 386-400	7.9	76
243	Characterization of U-shape streamline fibers: Methods and applications. <i>Medical Image Analysis</i> , 2014 , 18, 795-807	15.4	47
242	A novel matrix-similarity based loss function for joint regression and classification in AD diagnosis. <i>NeuroImage</i> , 2014 , 100, 91-105	7.9	139
241	Inter-modality relationship constrained multi-modality multi-task feature selection for Alzheimer's Disease and mild cognitive impairment identification. <i>NeuroImage</i> , 2014 , 84, 466-75	7.9	150
240	Knowledge-guided robust MRI brain extraction for diverse large-scale neuroimaging studies on humans and non-human primates. <i>PLoS ONE</i> , 2014 , 9, e77810	3.7	69
239	Multi-task linear programming discriminant analysis for the identification of progressive MCI individuals. <i>PLoS ONE</i> , 2014 , 9, e96458	3.7	17
238	Subclass-based multi-task learning for Alzheimer's disease diagnosis. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 168	5.3	29
237	Integrative analysis of multi-dimensional imaging genomics data for Alzheimer's disease prediction. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 260	5.3	24
236	Maximum-margin based representation learning from multiple atlases for Alzheimer's disease classification. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 212-9	0.9	6
235	Mapping longitudinal hemispheric structural asymmetries of the human cerebral cortex from birth to 2 years of age. <i>Cerebral Cortex</i> , 2014 , 24, 1289-300	5.1	96
234	Large deformation diffeomorphic registration of diffusion-weighted imaging data. <i>Medical Image Analysis</i> , 2014 , 18, 1290-8	15.4	15
233	Spatial distribution and longitudinal development of deep cortical sulcal landmarks in infants. <i>NeuroImage</i> , 2014 , 100, 206-18	7.9	83
232	Automated bone segmentation from dental CBCT images using patch-based sparse representation and convex optimization. <i>Medical Physics</i> , 2014 , 41, 043503	4.4	52
231	Topological graph kernel on multiple thresholded functional connectivity networks for mild cognitive impairment classification. <i>Human Brain Mapping</i> , 2014 , 35, 2876-97	5.9	77
230	Longitudinal development of cortical thickness, folding, and fiber density networks in the first 2 years of life. <i>Human Brain Mapping</i> , 2014 , 35, 3726-37	5.9	39
229	Joint Coupled-Feature Representation and Coupled Boosting for AD Diagnosis. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2014 , 2014, 2721-2728	6	17

228	S-HAMMER: hierarchical attribute-guided, symmetric diffeomorphic registration for MR brain images. <i>Human Brain Mapping</i> , 2014 , 35, 1044-60	5.9	37
227	Neonatal atlas construction using sparse representation. <i>Human Brain Mapping</i> , 2014 , 35, 4663-77	5.9	32
226	Interactive prostate segmentation using atlas-guided semi-supervised learning and adaptive feature selection. <i>Medical Physics</i> , 2014 , 41, 1117-15	4.4	20
225	Segmenting hippocampus from infant brains by sparse patch matching with deep-learned features. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 308-15	0.9	24
224	Deep learning based imaging data completion for improved brain disease diagnosis. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 305-12	0.9	180
223	Multi-modality canonical feature selection for Alzheimer's disease diagnosis. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 162-9	0.9	22
222	Mapping longitudinal development of local cortical gyrification in infants from birth to 2 years of age. <i>Journal of Neuroscience</i> , 2014 , 34, 4228-38	6.6	164
221	A generative probability model of joint label fusion for multi-atlas based brain segmentation. <i>Medical Image Analysis</i> , 2014 , 18, 881-90	15.4	93
220	Measuring the dynamic longitudinal cortex development in infants by reconstruction of temporally consistent cortical surfaces. <i>NeuroImage</i> , 2014 , 90, 266-79	7.9	92
219	Hierarchical unbiased graph shrinkage (HUGS): a novel groupwise registration for large data set. <i>NeuroImage</i> , 2014 , 84, 626-38	7.9	29
218	Group-constrained sparse fMRI connectivity modeling for mild cognitive impairment identification. <i>Brain Structure and Function</i> , 2014 , 219, 641-56	4	113
217	More insights into early brain development through statistical analyses of eigen-structural elements of diffusion tensor imaging using multivariate adaptive regression splines. <i>Brain Structure and Function</i> , 2014 , 219, 551-69	4	5
216	Identifying informative imaging biomarkers via tree structured sparse learning for AD diagnosis. <i>Neuroinformatics</i> , 2014 , 12, 381-94	3.2	18
215	Disrupted brain functional network in internet addiction disorder: a resting-state functional magnetic resonance imaging study. <i>PLoS ONE</i> , 2014 , 9, e107306	3.7	56
214	Constructing 4D infant cortical surface atlases based on dynamic developmental trajectories of the cortex. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 89-96	0.9	14
213	Multiple-network classification of childhood autism using functional connectivity dynamics. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 177-84	0.9	44
212	Designing single- and multiple-shell sampling schemes for diffusion MRI using spherical code. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 281-8	0.9	10
211	A novel multi-relation regularization method for regression and classification in AD diagnosis. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 401-8	0.9	15

210	Brain connectivity hyper-network for MCI classification. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 724-32	0.9	15
209	Sparsity-Learning-Based Longitudinal MR Image Registration for Early Brain Development. <i>Lecture Notes in Computer Science</i> , 2014 , 1-8	0.9	2
208	Learning Distance Transform for Boundary Detection and Deformable Segmentation in CT Prostate Images. <i>Lecture Notes in Computer Science</i> , 2014 , 8679, 93-100	0.9	15
207	Machine Learning Techniques for AD/MCI Diagnosis and Prognosis. <i>Intelligent Systems Reference Library</i> , 2014 , 147-179	0.8	7
206	SU-E-T-397: Include Organ Deformation Into Dose Calculation of Prostate Brachytherapy. <i>Medical Physics</i> , 2014 , 41, 316-316	4.4	
205	Online Discriminative Multi-atlas Learning for Isointense Infant Brain Segmentation. <i>Lecture Notes in Computer Science</i> , 2014 , 297-305	0.9	1
204	Prediction of Standard-Dose PET Image by Low-Dose PET and MRI Images. <i>Lecture Notes in Computer Science</i> , 2014 , 280-288	0.9	3
203	LINKS: Learning-Based Multi-source IntegratiON Framework for Segmentation of Infant Brain Images. <i>Lecture Notes in Computer Science</i> , 2014 , 22-33	0.9	3
202	Brain Disease Classification and Progression Using Machine Learning Techniques 2014 , 3-32		1
201	Longitudinally guided level sets for consistent tissue segmentation of neonates. <i>Human Brain Mapping</i> , 2013 , 34, 956-72	5.9	61
200	Application of neuroanatomical features to tractography clustering. <i>Human Brain Mapping</i> , 2013 , 34, 2089-102	5.9	26
199	Sparse patch-based label propagation for accurate prostate localization in CT images. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 419-34	11.7	62
198	Automatic prostate MR image segmentation with sparse label propagation and domain-specific manifold regularization. <i>Lecture Notes in Computer Science</i> , 2013 , 23, 511-23	0.9	18
197	Semi-supervised multimodal relevance vector regression improves cognitive performance estimation from imaging and biological biomarkers. <i>Neuroinformatics</i> , 2013 , 11, 339-53	3.2	18
196	iBEAT: A toolbox for infant brain magnetic resonance image processing. <i>Neuroinformatics</i> , 2013 , 11, 211-25	3.2	62
195	Mapping region-specific longitudinal cortical surface expansion from birth to 2 years of age. <i>Cerebral Cortex</i> , 2013 , 23, 2724-33	5.1	155
194	Robust anatomical correspondence detection by hierarchical sparse graph matching. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 268-77	11.7	14
193	Automatic hippocampus segmentation of 7.0 Tesla MR images by combining multiple atlases and auto-context models. <i>NeuroImage</i> , 2013 , 83, 335-45	7.9	38

192	Development of cortical anatomical properties from early childhood to early adulthood. <i>NeuroImage</i> , 2013 , 76, 216-24	7.9	53
191	Multiscale adaptive generalized estimating equations for longitudinal neuroimaging data. <i>NeuroImage</i> , 2013 , 72, 91-105	7.9	30
190	Resolution enhancement of lung 4D-CT data using multiscale interphase iterative nonlocal means. <i>Medical Physics</i> , 2013 , 40, 051916	4.4	2
189	Preserving prostaglandin E2 level prevents rejection of implanted allogeneic mesenchymal stem cells and restores postinfarction ventricular function. <i>Circulation</i> , 2013 , 128, S69-78	16.7	59
188	Prediction of Alzheimer's disease and mild cognitive impairment using cortical morphological patterns. <i>Human Brain Mapping</i> , 2013 , 34, 3411-25	5.9	161
187	Diffusion tensor imaging based network analysis detects alterations of neuroconnectivity in patients with clinically early relapsing-remitting multiple sclerosis. <i>Human Brain Mapping</i> , 2013 , 34, 3376-391	5.9	61
186	DICCCOL: dense individualized and common connectivity-based cortical landmarks. <i>Cerebral Cortex</i> , 2013 , 23, 786-800	5.1	121
185	Resolution enhancement of lung 4D-CT via group-sparsity. <i>Medical Physics</i> , 2013 , 40, 121717	4.4	5
184	The synchronization within and interaction between the default and dorsal attention networks in early infancy. <i>Cerebral Cortex</i> , 2013 , 23, 594-603	5.1	116
183	Deep learning-based feature representation for AD/MCI classification. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 583-90	0.9	197
182	Inferring group-wise consistent multimodal brain networks via multi-view spectral clustering. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 1576-86	11.7	34
181	Measuring longitudinally dynamic cortex development in infants by reconstruction of consistent cortical surfaces 2013 ,		1
180	Prostate Segmentation in CT Images via Spatial-Constrained Transductive Lasso. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2013 ,	6	27
179	Groupwise Registration via Graph Shrinkage on the Image Manifold 2013 ,		8
178	Patch-driven neonatal brain MRI segmentation with sparse representation and level sets 2013 ,		1
177	Discriminative Brain Effective Connectivity Analysis for Alzheimer's Disease: A Kernel Learning Approach upon Sparse Gaussian Bayesian Network. <i>IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops</i> , 2013 , 2013, 2243-2250	1.3	8
176	Unsupervised deep feature learning for deformable registration of MR brain images. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 649-56	0.9	58
175	Estimating the 4D respiratory lung motion by spatiotemporal registration and super-resolution image reconstruction. <i>Medical Physics</i> , 2013 , 40, 031710	4.4	19

174	Probabilistic MRI brain anatomical atlases based on 1,000 Chinese subjects. <i>PLoS ONE</i> , 2013 , 8, e50939	3.7	15
173	Altered modular organization of structural cortical networks in children with autism. <i>PLoS ONE</i> , 2013 , 8, e63131	3.7	37
172	Temporally Dynamic Resting-State Functional Connectivity Networks for Early MCI Identification. <i>Lecture Notes in Computer Science</i> , 2013 , 139-146	0.9	8
171	Sparse Multimodal Manifold-Regularized Transfer Learning for MCI Conversion Prediction. <i>Lecture Notes in Computer Science</i> , 2013 , 251-259	0.9	3
170	Automated segmentation of CBCT image using spiral CT atlases and convex optimization. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 251-8	0.9	15
169	Representation learning: a unified deep learning framework for automatic prostate MR segmentation. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 254-61	0.9	73
168	High-order graph matching based feature selection for Alzheimer's disease identification. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 311-8	0.9	22
167	Identification of MCI using optimal sparse MAR modeled effective connectivity networks. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 319-327	0.9	5
166	Incremental learning with selective memory (ILSM): towards fast prostate localization for image guided radiotherapy. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 378-86	0.9	4
165	Low-rank total variation for image super-resolution. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 155-62	0.9	13
164	Manifold regularized multi-task feature selection for multi-modality classification in Alzheimer's disease. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 275-83	0.9	22
163	Inter-modality relationship constrained multi-task feature selection for AD/MCI classification. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 308-15	0.9	11
162	Brain-Cloud: A Generalized and Flexible Registration Framework for Brain MR Images. <i>Lecture Notes in Computer Science</i> , 2013 , 153-161	0.9	
161	Large deformation diffeomorphic registration of diffusion-weighted images with explicit orientation optimization. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 27-34	0.9	5
160	A general fast registration framework by learning deformation-appearance correlation. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 1823-33	8.7	26
159	Feature-based groupwise registration by hierarchical anatomical correspondence detection. <i>Human Brain Mapping</i> , 2012 , 33, 253-71	5.9	38
158	A feature-based learning framework for accurate prostate localization in CT images. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 3546-59	8.7	22
157	Domain transfer learning for MCI conversion prediction. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 82-90	0.9	29

156	Axonal fiber terminations concentrate on gyri. <i>Cerebral Cortex</i> , 2012 , 22, 2831-9	5.1	81
155	Multi-contrast diffusion tensor image registration with structural MRI 2012 ,		3
154	Identification of breast vascular calcium deposition in digital mammography by linear structure analysis 2012 ,		3
153	Hierarchical patch-based sparse representation--a new approach for resolution enhancement of 4D-CT lung data. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1993-2005	11.7	31
152	Discriminant analysis of longitudinal cortical thickness changes in Alzheimer's disease using dynamic and network features. <i>Neurobiology of Aging</i> , 2012 , 33, 427.e15-30	5.6	137
151	Reconstruction of super-resolution lung 4D-CT using patch-based sparse representation 2012 ,		9
150	Learning image context for segmentation of the prostate in CT-guided radiotherapy. <i>Physics in Medicine and Biology</i> , 2012 , 57, 1283-308	3.8	37
149	Registration of longitudinal brain image sequences with implicit template and spatial-temporal heuristics. <i>NeuroImage</i> , 2012 , 59, 404-21	7.9	25
148	Iterative multi-atlas-based multi-image segmentation with tree-based registration. <i>NeuroImage</i> , 2012 , 59, 422-30	7.9	95
147	A novel framework for longitudinal atlas construction with groupwise registration of subject image sequences. <i>NeuroImage</i> , 2012 , 59, 1275-89	7.9	18
146	Multi-modal multi-task learning for joint prediction of multiple regression and classification variables in Alzheimer's disease. <i>NeuroImage</i> , 2012 , 59, 895-907	7.9	442
145	Identification of MCI individuals using structural and functional connectivity networks. <i>NeuroImage</i> , 2012 , 59, 2045-56	7.9	291
144	Consistent reconstruction of cortical surfaces from longitudinal brain MR images. <i>NeuroImage</i> , 2012 , 59, 3805-20	7.9	79
143	Ensemble sparse classification of Alzheimer's disease. <i>NeuroImage</i> , 2012 , 60, 1106-16	7.9	227
142	Altered structural connectivity in neonates at genetic risk for schizophrenia: a combined study using morphological and white matter networks. <i>NeuroImage</i> , 2012 , 62, 1622-33	7.9	98
141	LABEL: pediatric brain extraction using learning-based meta-algorithm. <i>NeuroImage</i> , 2012 , 62, 1975-86	7.9	136
140	A statistical framework for inter-group image registration. <i>Neuroinformatics</i> , 2012 , 10, 367-78	3.2	3
139	Predicting future clinical changes of MCI patients using longitudinal and multimodal biomarkers. <i>PLoS ONE</i> , 2012 , 7, e33182	3.7	181

138	4D multi-modality tissue segmentation of serial infant images. <i>PLoS ONE</i> , 2012 , 7, e44596	3.7	55
137	Hierarchical alignment of breast DCE-MR images by groupwise registration and robust feature matching. <i>Medical Physics</i> , 2012 , 39, 353-66	4.4	6
136	Spatial transformation of DWI data using non-negative sparse representation. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 2035-49	11.7	25
135	A computational growth model for measuring dynamic cortical development in the first year of life. <i>Cerebral Cortex</i> , 2012 , 22, 2272-84	5.1	47
134	Prostate segmentation by sparse representation based classification. <i>Medical Physics</i> , 2012 , 39, 6372-87	4.4	43
133	Longitudinal development of cortical and subcortical gray matter from birth to 2 years. <i>Cerebral Cortex</i> , 2012 , 22, 2478-85	5.1	311
132	Resting-state multi-spectrum functional connectivity networks for identification of MCI patients. <i>PLoS ONE</i> , 2012 , 7, e37828	3.7	99
131	Atlas construction via dictionary learning and group sparsity. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 247-55	0.9	4
130	Hierarchical attribute-guided symmetric diffeomorphic registration for MR brain images. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 90-7	0.9	7
129	Constrained sparse functional connectivity networks for MCI classification. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 212-9	0.9	29
128	Tree-guided sparse coding for brain disease classification. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 239-47	0.9	15
127	Temporally-constrained group sparse learning for longitudinal data analysis. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 264-71	0.9	13
126	Sparse patch based prostate segmentation in CT images. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 385-92	0.9	18
125	Prostate segmentation by sparse representation based classification. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 451-8	0.9	7
124	Sparse Patch-Based Label Fusion for Multi-Atlas Segmentation. <i>Lecture Notes in Computer Science</i> , 2012 , 94-102	0.9	33
123	Sparse Patch-Guided Deformation Estimation for Improved Image Registration. <i>Lecture Notes in Computer Science</i> , 2012 , 54-62	0.9	2
122	Sex differences in grey matter atrophy patterns among AD and aMCI patients: results from ADNI. <i>NeuroImage</i> , 2011 , 56, 890-906	7.9	62
121	SharpMean: groupwise registration guided by sharp mean image and tree-based registration. <i>NeuroImage</i> , 2011 , 56, 1968-81	7.9	99

120	Consistent sulcal parcellation of longitudinal cortical surfaces. <i>NeuroImage</i> , 2011 , 57, 76-88	7.9	11
119	Automatic segmentation of neonatal images using convex optimization and coupled level sets. <i>NeuroImage</i> , 2011 , 58, 805-17	7.9	102
118	Brain anatomical networks in early human brain development. <i>NeuroImage</i> , 2011 , 54, 1862-71	7.9	159
117	Intermediate templates guided groupwise registration of diffusion tensor images. <i>NeuroImage</i> , 2011 , 54, 928-39	7.9	29
116	Enriched white matter connectivity networks for accurate identification of MCI patients. <i>NeuroImage</i> , 2011 , 54, 1812-22	7.9	168
115	SPHERE: SPHERical Harmonic Elastic REGistration of HARDI data. <i>NeuroImage</i> , 2011 , 55, 545-56	7.9	28
114	Multimodal classification of Alzheimer's disease and mild cognitive impairment. <i>NeuroImage</i> , 2011 , 55, 856-67	7.9	837
113	Semi-supervised multimodal classification of alzheimer's disease 2011 ,		19
112	Diffusion tensor image registration with combined tract and tensor features. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 200-8	0.9	4
111	PopTract: population-based tractography. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 1829-40	11.7	18
110	CENTS: cortical enhanced neonatal tissue segmentation. <i>Human Brain Mapping</i> , 2011 , 32, 382-96	5.9	34
109	Consistent sulcal parcellation of longitudinal cortical surfaces 2011 ,		1
108	Learning-based prostate localization for image guided radiation therapy 2011 ,		5
107	iTree: Fast and accurate image registration based on the combinative and incremental tree 2011 ,		2
106	Tissue Probability Map Constrained 4-D Clustering Algorithm for Increased Accuracy and Robustness in Serial MR Brain Image Segmentation. <i>International Journal of Medical Engineering and Informatics</i> , 2011 , 3, 286-298	0.5	
105	Automated DNA fiber tracking and measurement 2011 ,		2
104	A Learning based Hierarchical Framework for Automatic Prostate Localization in CT Images. <i>Lecture Notes in Computer Science</i> , 2011 , 6963, 1-9	0.9	7
103	Infant brain atlases from neonates to 1- and 2-year-olds. <i>PLoS ONE</i> , 2011 , 6, e18746	3.7	328

102	Hierarchical anatomical brain networks for MCI prediction: revisiting volumetric measures. <i>PLoS ONE</i> , 2011 , 6, e21935	3.7	64
101	Development trends of white matter connectivity in the first years of life. <i>PLoS ONE</i> , 2011 , 6, e24678	3.7	142
100	Temporal and spatial evolution of brain network topology during the first two years of life. <i>PLoS ONE</i> , 2011 , 6, e25278	3.7	190
99	Estimating the 4D respiratory lung motion by spatiotemporal registration and building super-resolution image. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 532-9	0.9	8
98	Learning-based meta-algorithm for MRI brain extraction. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 313-21	0.9	12
97	Learning image context for segmentation of prostate in CT-guided radiotherapy. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 570-8	0.9	21
96	Robust deformable-surface-based skull-stripping for large-scale studies. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 635-42	0.9	76
95	SU-E-J-44: Reconstruction of 4D-CT from Single Free-Breathing 3D-CT for Image Guided Lung Radiotherapy. <i>Medical Physics</i> , 2011 , 38, 3451-3452	4.4	
94	Joint estimation of multiple clinical variables of neurological diseases from imaging patterns 2010 ,		12
93	ABSORB: Atlas building by Self-Organized Registration and Bundling 2010 ,		5
92	Construction of multi-region-multi-reference atlases for neonatal brain MRI segmentation. <i>NeuroImage</i> , 2010 , 51, 684-93	7.9	84
91	ABSORB: Atlas Building by Self-organized Registration and Bundling. <i>NeuroImage</i> , 2010 , 51, 1057-70	7.9	86
90	DSPs See Gains in Their Impact on New Medical Imaging Designs [Special Reports]. <i>IEEE Signal Processing Magazine</i> , 2010 , 27, 6-134	9.4	3
89	Neonatal brain image segmentation in longitudinal MRI studies. <i>NeuroImage</i> , 2010 , 49, 391-400	7.9	155
88	TPS-HAMMER: improving HAMMER registration algorithm by soft correspondence matching and thin-plate splines based deformation interpolation. <i>NeuroImage</i> , 2010 , 49, 2225-33	7.9	38
87	Attribute vector guided groupwise registration. <i>NeuroImage</i> , 2010 , 50, 1485-96	7.9	22
86	Groupwise registration based on hierarchical image clustering and atlas synthesis. <i>Human Brain Mapping</i> , 2010 , 31, 1128-40	5.9	32
85	Segmenting CT prostate images using population and patient-specific statistics for radiotherapy. <i>Medical Physics</i> , 2010 , 37, 4121-32	4.4	57

84	F-TIMER: fast tensor image morphing for elastic registration. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1192-203	11.7	28
83	Spatial-Temporal Constraint for Segmentation of Serial Infant Brain MR Images. <i>Lecture Notes in Computer Science</i> , 2010 , 42-50	0.9	6
82	Groupwise registration with sharp mean. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 570-7	0.9	6
81	SEGMENTING CT PROSTATE IMAGES USING POPULATION AND PATIENT-SPECIFIC STATISTICS FOR RADIOTHERAPY 2009 , June 28, 2009, 282-285	1.5	7
80	Evidence on the emergence of the brain's default network from 2-week-old to 2-year-old healthy pediatric subjects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6790-5	11.5	394
79	Embryonic stem cell grafting in normal and infarcted myocardium: serial assessment with MR imaging and PET dual detection. <i>Radiology</i> , 2009 , 250, 821-9	20.5	54
78	Longitudinal pattern of regional brain volume change differentiates normal aging from MCI. <i>Neurology</i> , 2009 , 72, 1906-13	6.5	370
77	Fast Image Registration by Hierarchical Soft Correspondence Detection. <i>Pattern Recognition</i> , 2009 , 42, 954-961	7.7	18
76	Non-diffeomorphic registration of brain tumor images by simulating tissue loss and tumor growth. <i>NeuroImage</i> , 2009 , 46, 762-74	7.9	65
75	RABBIT: rapid alignment of brains by building intermediate templates. <i>NeuroImage</i> , 2009 , 47, 1277-87	7.9	69
74	White matter abnormalities revealed by diffusion tensor imaging in non-demented and demented HIV+ patients. <i>NeuroImage</i> , 2009 , 47, 1154-62	7.9	97
73	TIMER: tensor image morphing for elastic registration. <i>NeuroImage</i> , 2009 , 47, 549-63	7.9	45
72	2009 ,		14
71	Segmenting lung fields in serial chest radiographs using both population-based and patient-specific shape statistics. <i>IEEE Transactions on Medical Imaging</i> , 2008 , 27, 481-94	11.7	98
70	ORBIT: a multiresolution framework for deformable registration of brain tumor images. <i>IEEE Transactions on Medical Imaging</i> , 2008 , 27, 1003-17	11.7	71
69	Unaffected family members and schizophrenia patients share brain structure patterns: a high-dimensional pattern classification study. <i>Biological Psychiatry</i> , 2008 , 63, 118-24	7.9	102
68	Detection of prodromal Alzheimer's disease via pattern classification of magnetic resonance imaging. <i>Neurobiology of Aging</i> , 2008 , 29, 514-23	5.6	300
67	Multimodality image registration by maximization of quantitative qualitative measure of mutual information. <i>Pattern Recognition</i> , 2008 , 41, 285-298	7.7	74

66	Diffusion tensor image registration using tensor geometry and orientation features. <i>Lecture Notes in Computer Science</i> , 2008 , 11, 905-13	0.9	56
65	Targeted prostate biopsy using statistical image analysis. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 779-88	11.7	48
64	COMPARE: classification of morphological patterns using adaptive regional elements. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 93-105	11.7	277
63	STEP: SPATIAL-TEMPORAL ENHANCEMENT PATTERN, FOR MR-BASED BREAST TUMOR DIAGNOSIS 2007 ,		4
62	Registering histologic and MR images of prostate for image-based cancer detection. <i>Academic Radiology</i> , 2007 , 14, 1367-81	4.3	67
61	Coregistration of magnetic resonance and single photon emission computed tomography images for noninvasive localization of stem cells grafted in the infarcted rat myocardium. <i>Molecular Imaging and Biology</i> , 2007 , 9, 24-31	3.8	19
60	Image registration by local histogram matching. <i>Pattern Recognition</i> , 2007 , 40, 1161-1172	7.7	87
59	SIMULTANEOUS ESTIMATION AND SEGMENTATION OF T1 MAP FOR BREAST PARENCHYMA MEASUREMENT 2007 ,		6
58	Multivariate examination of brain abnormality using both structural and functional MRI. <i>NeuroImage</i> , 2007 , 36, 1189-99	7.9	96
57	Lung Nodule Growth Analysis from 3D CT Data with a Coupled Segmentation and Registration Framework 2007 ,		15
56	STATISTICALLY-CONSTRAINED DEFORMABLE REGISTRATION OF MR BRAIN IMAGES 2007 ,		5
55	Learning best features and deformation statistics for hierarchical registration of MR brain images. <i>Lecture Notes in Computer Science</i> , 2007 , 20, 160-71	0.9	14
54	De-enhancing the dynamic contrast-enhanced breast MRI for robust registration 2007 , 10, 933-41		15
53	Statistical representation of high-dimensional deformation fields with application to statistically constrained 3D warping. <i>Medical Image Analysis</i> , 2006 , 10, 740-51	15.4	74
52	Past adult lead exposure is linked to neurodegeneration measured by brain MRI. <i>Neurology</i> , 2006 , 66, 1476-84	6.5	136
51	Diagnosis of brain abnormality using both structural and functional MR images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , Suppl, 6585-8		5
50	Diagnosis of brain abnormality using both structural and functional MR images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 1044-7		9
49	Deformable segmentation of 3-D ultrasound prostate images using statistical texture matching method. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 256-72	11.7	142

48	CLASSIC: consistent longitudinal alignment and segmentation for serial image computing. <i>NeuroImage</i> , 2006 , 30, 388-99	7.9	97
47	Simulating deformations of MR brain images for validation of atlas-based segmentation and registration algorithms. <i>NeuroImage</i> , 2006 , 33, 855-66	7.9	73
46	Learning-based deformable registration of MR brain images. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 1145-57	11.7	85
45	Hypocortisolism in alcohol dependence and its relation to hippocampal volume loss. <i>Journal of Studies on Alcohol and Drugs</i> , 2006 , 67, 861-7		32
44	Hippocampus volume loss due to chronic heavy drinking. <i>Alcoholism: Clinical and Experimental Research</i> , 2006 , 30, 1866-70	3.7	127
43	Deformable registration of brain tumor images via a statistical model of tumor-induced deformation. <i>Medical Image Analysis</i> , 2006 , 10, 752-63	15.4	73
42	Registering histological and MR images of prostate for image-based cancer detection. <i>Lecture Notes in Computer Science</i> , 2006 , 9, 620-8	0.9	9
41	Classification of structural images via high-dimensional image warping, robust feature extraction, and SVM. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 1-8	0.9	80
40	CLASSIC: consistent longitudinal alignment and segmentation for serial image computing. <i>Lecture Notes in Computer Science</i> , 2005 , 19, 101-13	0.9	3
39	Whole-brain morphometric study of schizophrenia revealing a spatially complex set of focal abnormalities. <i>Archives of General Psychiatry</i> , 2005 , 62, 1218-27		217
38	Detection and quantification of mutations in the plasma of patients with colorectal tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16368-73	11.5	858
37	Spatiotemporal maturation patterns of murine brain quantified by diffusion tensor MRI and deformation-based morphometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 6978-83	11.5	71
36	Consistent estimation of cardiac motions by 4D image registration. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 902-10	0.9	14
35	Learning best features for deformable registration of MR brains. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 179-87	0.9	7
34	Deformable registration of brain tumor images via a statistical model of tumor-induced deformation. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 263-70	0.9	4
33	Statistical representation and simulation of high-dimensional deformations: application to synthesizing brain deformations. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 500-8	0.9	6
32	Determining correspondence in 3-D MR brain images using attribute vectors as morphological signatures of voxels. <i>IEEE Transactions on Medical Imaging</i> , 2004 , 23, 1276-91	11.7	42
31	Optimized prostate biopsy via a statistical atlas of cancer spatial distribution. <i>Medical Image Analysis</i> , 2004 , 8, 139-50	15.4	60

30	Morphological classification of brains via high-dimensional shape transformations and machine learning methods. <i>NeuroImage</i> , 2004 , 21, 46-57	7.9	269
29	Measuring temporal morphological changes robustly in brain MR images via 4-dimensional template warping. <i>NeuroImage</i> , 2004 , 21, 1508-17	7.9	94
28	Deformable registration of cortical structures via hybrid volumetric and surface warping. <i>NeuroImage</i> , 2004 , 22, 1790-801	7.9	97
27	Automated morphometric study of brain variation in XXY males. <i>NeuroImage</i> , 2004 , 23, 648-53	7.9	70
26	Image Registration by Hierarchical Matching of Local Spatial Intensity Histograms. <i>Lecture Notes in Computer Science</i> , 2004 , 582-590	0.9	6
25	Automated Segmentation of 3D US Prostate Images Using Statistical Texture-Based Matching Method. <i>Lecture Notes in Computer Science</i> , 2003 , 688-696	0.9	31
24	Spatial normalization of diffusion tensor fields. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 175-82	4.4	126
23	Very high-resolution morphometry using mass-preserving deformations and HAMMER elastic registration. <i>NeuroImage</i> , 2003 , 18, 28-41	7.9	134
22	Segmentation of prostate boundaries from ultrasound images using statistical shape model. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 539-51	11.7	176
21	HAMMER: hierarchical attribute matching mechanism for elastic registration. <i>IEEE Transactions on Medical Imaging</i> , 2002 , 21, 1421-39	11.7	771
20	Measuring size and shape of the hippocampus in MR images using a deformable shape model. <i>NeuroImage</i> , 2002 , 15, 422-34	7.9	101
19	Robust detection of skewed symmetries by combining local and semi-local affine invariants. <i>Pattern Recognition</i> , 2001 , 34, 1417-1428	7.7	14
18	A framework for predictive modeling of anatomical deformations. <i>IEEE Transactions on Medical Imaging</i> , 2001 , 20, 836-43	11.7	55
17	An adaptive-focus statistical shape model for segmentation and shape modeling of 3-D brain structures. <i>IEEE Transactions on Medical Imaging</i> , 2001 , 20, 257-70	11.7	125
16	Affine invariant detection of perceptually parallel 3D planar curves. <i>Pattern Recognition</i> , 2000 , 33, 1909-1918	7.7	16
15	. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2000 , 22, 906-913	13.3	71
14	Adaptive-Focus Statistical Shape Model for Segmentation of 3D MR Structures. <i>Lecture Notes in Computer Science</i> , 2000 , 206-215	0.9	6
13	Affine-invariant image retrieval by correspondence matching of shapes. <i>Image and Vision Computing</i> , 1999 , 17, 489-499	3.7	47

12	An affine-invariant active contour model (AI-snake) for model-based segmentation. <i>Image and Vision Computing</i> , 1998 , 16, 135-146	3-7	54
11	A Hopfield neural network for adaptive image segmentation: An active surface paradigm. <i>Pattern Recognition Letters</i> , 1997 , 18, 37-48	4-7	32
10	A human opsin-related gene that encodes a retinaldehyde-binding protein. <i>Biochemistry</i> , 1994 , 33, 13113-25	3-25	78
9	Automated segmentation of white matter lesions in 3D brain MR images, using multivariate pattern classification		2
8	Registration of brain images with tumors: towards the construction of statistical atlases for therapy planning		2
7	Morphological classification of medical images using nonlinear support vector machines		1
6	Structure-adaptive B-snake for segmenting complex objects		2
5	A novel theorem on symmetries of 2D images		4
4	Detecting reflection axes by energy minimisation		2
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