

# Peiyao Wang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5061093/peiyao-wang-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

434  
papers

11,168  
citations

56  
h-index

90  
g-index

445  
ext. papers

14,147  
ext. citations

4.6  
avg, IF

6.99  
L-index

#	Paper	IF	Citations
434	Alterations of dynamic redundancy of functional brain subnetworks in Alzheimer's disease and major depression disorders.. <i>NeuroImage: Clinical</i> , <b>2021</b> , 33, 102917	5.3	0
433	Altered Connectedness of the Brain Chronnectome During the Progression to Alzheimer's Disease. <i>Neuroinformatics</i> , <b>2021</b> , 1	3.2	2
432	Assessing clinical progression from subjective cognitive decline to mild cognitive impairment with incomplete multi-modal neuroimages. <i>Medical Image Analysis</i> , <b>2021</b> , 75, 102266	15.4	3
431	Multi-site MRI harmonization via attention-guided deep domain adaptation for brain disorder identification. <i>Medical Image Analysis</i> , <b>2021</b> , 71, 102076	15.4	12
430	Prediction of 7-year's conversion from subjective cognitive decline to mild cognitive impairment. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 192-203	5.9	9
429	Joint prediction and time estimation of COVID-19 developing severe symptoms using chest CT scan. <i>Medical Image Analysis</i> , <b>2021</b> , 67, 101824	15.4	41
428	Dynamic neural circuit disruptions associated with antisocial behaviors. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 329-344	5.9	1
427	Difficulty-aware hierarchical convolutional neural networks for deformable registration of brain MR images. <i>Medical Image Analysis</i> , <b>2021</b> , 67, 101817	15.4	3
426	Multi-Regression based supervised sample selection for predicting baby connectome evolution trajectory from neonatal timepoint. <i>Medical Image Analysis</i> , <b>2021</b> , 68, 101853	15.4	4
425	Multiscale neural modeling of resting-state fMRI reveals executive-limbic malfunction as a core mechanism in major depressive disorder. <i>NeuroImage: Clinical</i> , <b>2021</b> , 31, 102758	5.3	0
424	Skull Segmentation from CBCT Images via Voxel-Based Rendering.. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 12966, 615-623	0.9	0
423	Learning MRI artefact removal with unpaired data. <i>Nature Machine Intelligence</i> , <b>2021</b> , 3, 60-67	22.5	2
422	A Self-Supervised Deep Framework for Reference Bony Shape Estimation in Orthognathic Surgical Planning.. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 12904, 469-477	0.9	1
421	DIKA-Nets: Domain-invariant knowledge-guided attention networks for brain skull stripping of early developing macaques. <i>NeuroImage</i> , <b>2021</b> , 227, 117649	7.9	6
420	Unsupervised learning of reference bony shapes for orthognathic surgical planning with a surface deformation network. <i>Medical Physics</i> , <b>2021</b> , 48, 7735	4.4	1
419	ABCnet: Adversarial bias correction network for infant brain MR images. <i>Medical Image Analysis</i> , <b>2021</b> , 72, 102133	15.4	2
418	Folding drives cortical thickness variations. <i>European Physical Journal: Special Topics</i> , <b>2020</b> , 229, 2757-2778		3

4 <sup>17</sup>	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> , <b>2020</b> , 14, 258	5.1	15
4 <sup>16</sup>	Development of Dynamic Functional Architecture during Early Infancy. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 5626-5638	5.38	3
4 <sup>15</sup>	A novel approach to multiple anatomical shape analysis: Application to fetal ventriculomegaly. <i>Medical Image Analysis</i> , <b>2020</b> , 64, 101750	15.4	4
4 <sup>14</sup>	A toolbox for brain network construction and classification (BrainNetClass). <i>Human Brain Mapping</i> , <b>2020</b> , 41, 2808-2826	5.9	18
4 <sup>13</sup>	Adversarial Confidence Learning for Medical Image Segmentation and Synthesis. <i>International Journal of Computer Vision</i> , <b>2020</b> , 128, 2494-2513	10.6	13
4 <sup>12</sup>	SLIR: Synthesis, localization, inpainting, and registration for image-guided thermal ablation of liver tumors. <i>Medical Image Analysis</i> , <b>2020</b> , 65, 101763	15.4	7
4 <sup>11</sup>	Neuroimage-Based Consciousness Evaluation of Patients with Secondary Doubtful Hydrocephalus Before and After Lumbar Drainage. <i>Neuroscience Bulletin</i> , <b>2020</b> , 36, 985-996	4.3	3
4 <sup>10</sup>	Automatic Data Augmentation Via Deep Reinforcement Learning for Effective Kidney Tumor Segmentation <b>2020</b> ,		2
4 <sup>09</sup>	Synthesized 7T MRI from 3T MRI via deep learning in spatial and wavelet domains. <i>Medical Image Analysis</i> , <b>2020</b> , 62, 101663	15.4	20
4 <sup>08</sup>	Segmentation and Classification in Digital Pathology for Glioma Research: Challenges and Deep Learning Approaches. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 27	5.1	27
4 <sup>07</sup>	Individual identification and individual variability analysis based on cortical folding features in developing infant singletons and twins. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 1985-2003	5.9	13
4 <sup>06</sup>	Domain-invariant interpretable fundus image quality assessment. <i>Medical Image Analysis</i> , <b>2020</b> , 61, 101654	5.4	17
4 <sup>05</sup>	Designing weighted correlation kernels in convolutional neural networks for functional connectivity based brain disease diagnosis. <i>Medical Image Analysis</i> , <b>2020</b> , 63, 101709	15.4	12
4 <sup>04</sup>	Deep Disentangled Hashing with Momentum Triplets for Neuroimage Search. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12261, 191-201	0.9	1
4 <sup>03</sup>	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> , <b>2020</b> , 12267, 13-21	0.9	2
4 <sup>02</sup>	Construction of Spatiotemporal Infant Cortical Surface Functional Templates. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12267, 238-248	0.9	1
4 <sup>01</sup>	Medical Image Synthesis via Deep Learning. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1213, 23-44	3.6	17
4 <sup>00</sup>	Asymmetrical Multi-task Attention U-Net for the Segmentation of Prostate Bed in CT Image. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12264, 470-479	0.9	3

399	Multi-task Dynamic Transformer Network for Concurrent Bone Segmentation and Large-Scale Landmark Localization with Dental CBCT.. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12264, 807-816	0.9	7
398	Automatic Localization of Landmarks in Craniomaxillofacial CBCT Images Using a Local Attention-Based Graph Convolution Network.. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12264, 817-826	0.9	7
397	Infant Cognitive Scores Prediction with Multi-stream Attention-Based Temporal Path Signature Features. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12267, 134-144	0.9	2
396	A Deep Spatial Context Guided Framework for Infant Brain Subcortical Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12267, 646-656	0.9	1
395	Disentangled Intensive Triplet Autoencoder for Infant Functional Connectome Fingerprinting. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12267, 72-82	0.9	2
394	Unsupervised Learning for Spherical Surface Registration. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12436, 373-383	0.9	2
393	Anatomy-Guided Convolutional Neural Network for Motion Correction in Fetal Brain MRI. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 12436, 384-393	0.9	2
392	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> , <b>2020</b> , 218, 116978	7.9	15
391	High-resolution 3D MR Fingerprinting using parallel imaging and deep learning. <i>NeuroImage</i> , <b>2020</b> , 206, 116329	7.9	26
390	Mapping hemispheric asymmetries of the macaque cerebral cortex during early brain development. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 95-106	5.9	17
389	Submillimeter MR fingerprinting using deep learning-based tissue quantification. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 579-591	4.4	13
388	Multi-modal latent space inducing ensemble SVM classifier for early dementia diagnosis with neuroimaging data. <i>Medical Image Analysis</i> , <b>2020</b> , 60, 101630	15.4	27
387	Large-scale dynamic causal modeling of major depressive disorder based on resting-state functional magnetic resonance imaging. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 865-881	5.9	21
386	FCN Based Label Correction for Multi-Atlas Guided Organ Segmentation. <i>Neuroinformatics</i> , <b>2020</b> , 18, 319-331	3.2	6
385	Deep CNN ensembles and suggestive annotations for infant brain MRI segmentation. <i>Computerized Medical Imaging and Graphics</i> , <b>2020</b> , 79, 101660	7.6	44
384	Context-guided fully convolutional networks for joint craniomaxillofacial bone segmentation and landmark digitization. <i>Medical Image Analysis</i> , <b>2020</b> , 60, 101621	15.4	27
383	6-MONTH INFANT BRAIN MRI SEGMENTATION GUIDED BY 24-MONTH DATA USING CYCLE-CONSISTENT ADVERSARIAL NETWORKS <b>2020</b> , 2020,	1.5	1
382	Estimating sparse functional brain networks with spatial constraints for MCI identification. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235039	3.7	5

381	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> , <b>2020</b> , 42, 880-893	13.3	136
380	Fusion of ULS Group Constrained High- and Low-Order Sparse Functional Connectivity Networks for MCI Classification. <i>Neuroinformatics</i> , <b>2020</b> , 18, 1-24	3.2	5
379	Optimal Sparse Linear Prediction for Block-missing Multi-modality Data without Imputation. <i>Journal of the American Statistical Association</i> , <b>2020</b> , 115, 1406-1419	2.8	7
378	IDRiD: Diabetic Retinopathy - Segmentation and Grading Challenge. <i>Medical Image Analysis</i> , <b>2020</b> , 59, 101561	15.4	63
377	Mitigating gyral bias in cortical tractography via asymmetric fiber orientation distributions. <i>Medical Image Analysis</i> , <b>2020</b> , 59, 101543	15.4	14
376	Mammographic mass segmentation using multichannel and multiscale fully convolutional networks. <i>International Journal of Imaging Systems and Technology</i> , <b>2020</b> , 30, 1095-1107	2.5	5
375	A PRELIMINARY VOLUMETRIC MRI STUDY OF AMYGDALA AND HIPPOCAMPAL SUBFIELDS IN AUTISM DURING INFANCY <b>2019</b> , 2019, 1052-1056	1.5	2
374	CORTICAL FOLDINGPRINTS FOR INFANT IDENTIFICATION <b>2019</b> , 2019, 396-399	1.5	1
373	CHARTING DEVELOPMENT-BASED JOINT PARCELLATION MAPS OF HUMAN AND MACAQUE BRAINS DURING INFANCY <b>2019</b> , 2019, 422-425	1.5	
372	Hierarchical Representation For Ct Prostate Segmentation <b>2019</b> ,		1
371	SPHERICAL U-NET FOR INFANT CORTICAL SURFACE PARCELLATION <b>2019</b> , 2019, 1882-1886	1.5	4
370	Fast Groupwise Registration Using Multi-Level and Multi-Resolution Graph Shrinkage. <i>Scientific Reports</i> , <b>2019</b> , 9, 12703	4.9	1
369	Automated detection and classification of thyroid nodules in ultrasound images using clinical-knowledge-guided convolutional neural networks. <i>Medical Image Analysis</i> , <b>2019</b> , 58, 101555	15.4	47
368	Adversarial learning for mono- or multi-modal registration. <i>Medical Image Analysis</i> , <b>2019</b> , 58, 101545	15.4	47
367	Noise reduction in diffusion MRI using non-local self-similar information in joint x-q space. <i>Medical Image Analysis</i> , <b>2019</b> , 53, 79-94	15.4	14
366	Multi-task exclusive relationship learning for alzheimer's disease progression prediction with longitudinal data. <i>Medical Image Analysis</i> , <b>2019</b> , 53, 111-122	15.4	19
365	Dual-domain convolutional neural networks for improving structural information in 3 T MRI. <i>Magnetic Resonance Imaging</i> , <b>2019</b> , 64, 90-100	3.3	11
364	Multifold Acceleration of Diffusion MRI via Deep Learning Reconstruction from Slice-Undersampled Data. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11492, 530-541	0.9	4

363	Spherical U-Net on Cortical Surfaces: Methods and Applications. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11492, 855-866	0.9	22
362	Treatment-naïve first episode depression classification based on high-order brain functional network. <i>Journal of Affective Disorders</i> , <b>2019</b> , 256, 33-41	6.6	12
361	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patch-based group-wise sparse representation. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 3860-3880	5.9	12
360	Fetal cortical surface atlas parcellation based on growth patterns. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 3881-3899	5.99	11
359	Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. <i>Frontiers in Neuroinformatics</i> , <b>2019</b> , 13, 30	3.9	20
358	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. <i>NeuroImage</i> , <b>2019</b> , 198, 114-124	7.9	11
357	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. <i>Medical Image Analysis</i> , <b>2019</b> , 55, 76-87	15.4	13
356	Deep feature descriptor based hierarchical dense matching for X-ray angiographic images. <i>Computer Methods and Programs in Biomedicine</i> , <b>2019</b> , 175, 233-242	6.9	4
355	CT male pelvic organ segmentation using fully convolutional networks with boundary sensitive representation. <i>Medical Image Analysis</i> , <b>2019</b> , 54, 168-178	15.4	46
354	Local Diffusion Homogeneity Provides Supplementary Information in T2DM-Related WM Microstructural Abnormality Detection. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 63	5.1	11
353	Hippocampal Segmentation From Longitudinal Infant Brain MR Images via Classification-Guided Boundary Regression. <i>IEEE Access</i> , <b>2019</b> , 7, 33728-33740	3.5	5
352	BIRNet: Brain image registration using dual-supervised fully convolutional networks. <i>Medical Image Analysis</i> , <b>2019</b> , 54, 193-206	15.4	102
351	Meta-Network Analysis of Structural Correlation Networks Provides Insights Into Brain Network Development. <i>Frontiers in Human Neuroscience</i> , <b>2019</b> , 13, 93	3.3	
350	Inter-Network High-Order Functional Connectivity (IN-HOFC) and its Alteration in Patients with Mild Cognitive Impairment. <i>Neuroinformatics</i> , <b>2019</b> , 17, 547-561	3.2	3
349	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. <i>NeuroImage</i> , <b>2019</b> , 185, 575-592	7.9	16
348	Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. <i>NeuroImage</i> , <b>2019</b> , 185, 664-684	7.9	54
347	CONSTRUCTION OF 4D NEONATAL CORTICAL SURFACE ATLASES USING WASSERSTEIN DISTANCE <b>2019</b> , 2019, 995-998	1.5	2
346	FRNET: FLATTENED RESIDUAL NETWORK FOR INFANT MRI SKULL STRIPPING <b>2019</b> , 2019, 999-1002	1.5	3

345	Surface-constrained volumetric registration for the early developing brain. <i>Medical Image Analysis</i> , <b>2019</b> , 58, 101540	15.4	6
344	Graph-Based Deep Learning for Prediction of Longitudinal Infant Diffusion MRI Data. <i>Mathematics and Visualization</i> , <b>2019</b> , 2019, 133-141	0.6	3
343	XQ-SR: Joint x-q space super-resolution with application to infant diffusion MRI. <i>Medical Image Analysis</i> , <b>2019</b> , 57, 44-55	15.4	6
342	Developmental topography of cortical thickness during infancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15855-15860	11.5	37
341	End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network <b>2019</b> , 11767, 158-167		2
340	Decoding EEG by Visual-guided Deep Neural Networks <b>2019</b> ,		5
339	Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11765, 841-849	0.9	
338	Estimating Reference Bony Shape Model for Personalized Surgical Reconstruction of Posttraumatic Facial Defects. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11768, 327-335	0.9	3
337	Multi-stage Image Quality Assessment of Diffusion MRI via Semi-supervised Nonlocal Residual Networks. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11766, 521-528	0.9	4
336	Dynamic Routing Capsule Networks for Mild Cognitive Impairment Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 2019, 620-628	0.9	4
335	Identification of Abnormal Circuit Dynamics in Major Depressive Disorder via Multiscale Neural Modeling of Resting-State fMRI. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11766, 682-690	0.9	1
334	Deep Granular Feature-Label Distribution Learning for Neuroimaging-based Infant Age Prediction. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11767, 149-157	0.9	1
333	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> , <b>2019</b> , 11764, 415-422	0.9	4
332	Wavelet-based Semi-supervised Adversarial Learning for Synthesizing Realistic 7T from 3T MRI. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11767, 786-794	0.9	6
331	RCA-U-Net: Residual Channel Attention U-Net for Fast Tissue Quantification in Magnetic Resonance Fingerprinting. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11766, 101-109	0.9	10
330	Intrinsic Patch-Based Cortical Anatomical Parcellation Using Graph Convolutional Neural Network on Surface Manifold. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11766, 492-500	0.9	3
329	Reconstructing High-Quality Diffusion MRI Data from Orthogonal Slice-Undersampled Data Using Graph Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11766, 529-537	0.9	3
328	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11767, 475-483	0.9	23

327	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> , <b>2019</b> , 11795, 243-251	0.9	5
326	DeepBundle: Fiber Bundle Parcellation with Graph Convolution Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11849, 88-95	0.9	4
325	A Longitudinal MRI Study of Amygdala and Hippocampal Subfields for Infants with Risk of Autism. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11849, 164-171	0.9	11
324	Multi-Channel 3D Deep Feature Learning for Survival Time Prediction of Brain Tumor Patients Using Multi-Modal Neuroimages. <i>Scientific Reports</i> , <b>2019</b> , 9, 1103	4.9	71
323	Hippocampus Radiomic Biomarkers for the Diagnosis of Amnesic Mild Cognitive Impairment: A Machine Learning Method. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 323	5.3	11
322	Overall survival time prediction for high-grade glioma patients based on large-scale brain functional networks. <i>Brain Imaging and Behavior</i> , <b>2019</b> , 13, 1333-1351	4.1	20
321	Group sparse reduced rank regression for neuroimaging genetic study. <i>World Wide Web</i> , <b>2019</b> , 22, 673-688	0	0
320	Low-rank dimensionality reduction for multi-modality neurodegenerative disease identification. <i>World Wide Web</i> , <b>2019</b> , 22, 907-925	2.9	8
319	Multimodal hyper-connectivity of functional networks using functionally-weighted LASSO for MCI classification. <i>Medical Image Analysis</i> , <b>2019</b> , 52, 80-96	15.4	34
318	Weighted Graph Regularized Sparse Brain Network Construction for MCI Identification. <i>Pattern Recognition</i> , <b>2019</b> , 90, 220-231	7.7	32
317	Enhancing the representation of functional connectivity networks by fusing multi-view information for autism spectrum disorder diagnosis. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 833-854	5.9	28
316	Automatic brain labeling via multi-atlas guided fully convolutional networks. <i>Medical Image Analysis</i> , <b>2019</b> , 51, 157-168	15.4	14
315	Strength and Similarity Guided Group-level Brain Functional Network Construction for MCI Diagnosis. <i>Pattern Recognition</i> , <b>2019</b> , 88, 421-430	7.7	70
314	Structured sparsity regularized multiple kernel learning for Alzheimer's disease diagnosis. <i>Pattern Recognition</i> , <b>2019</b> , 88, 370-382	7.7	38
313	First-year development of modules and hubs in infant brain functional networks. <i>NeuroImage</i> , <b>2019</b> , 185, 222-235	7.9	36
312	Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , <b>2019</b> , 185, 906-925	7.9	82
311	Semi-Supervised Discriminative Classification Robust to Sample-Outliers and Feature-Noises. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 515-522	13.3	39
310	Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. <i>NeuroImage</i> , <b>2019</b> , 185, 783-792	7.9	14



309	Discriminative self-representation sparse regression for neuroimaging-based alzheimer's disease diagnosis. <i>Brain Imaging and Behavior</i> , <b>2019</b> , 13, 27-40	4.1	9
308	Learning Pairwise-Similarity Guided Sparse Functional Connectivity Network for MCI Classification <b>2018</b> , 2017, 917-922		1
307	Anatomy-guided joint tissue segmentation and topological correction for 6-month infant brain MRI with risk of autism. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 2609-2623	5.9	13
306	Interleaved 3D-CNNs for joint segmentation of small-volume structures in head and neck CT images. <i>Medical Physics</i> , <b>2018</b> , 45, 2063-2075	4.4	74
305	Multi-View Missing Data Completion. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 1296-1309	4.2	20
304	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. <i>Medical Image Analysis</i> , <b>2018</b> , 46, 106-117	15.4	58
303	Integration of temporal and spatial properties of dynamic connectivity networks for automatic diagnosis of brain disease. <i>Medical Image Analysis</i> , <b>2018</b> , 47, 81-94	15.4	66
302	Exploring diagnosis and imaging biomarkers of Parkinson's disease via iterative canonical correlation analysis based feature selection. <i>Computerized Medical Imaging and Graphics</i> , <b>2018</b> , 67, 21-29	7.6	8
301	Conversion and time-to-conversion predictions of mild cognitive impairment using low-rank affinity pursuit denoising and matrix completion. <i>Medical Image Analysis</i> , <b>2018</b> , 45, 68-82	15.4	33
300	Tumor Tissue Detection using Blood-Oxygen-Level-Dependent Functional MRI based on Independent Component Analysis. <i>Scientific Reports</i> , <b>2018</b> , 8, 1223	4.9	20
299	Learning non-linear patch embeddings with neural networks for label fusion. <i>Medical Image Analysis</i> , <b>2018</b> , 44, 143-155	15.4	12
298	Discovering cortical sulcal folding patterns in neonates using large-scale dataset. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 3625-3635	5.9	10
297	Deep embedding convolutional neural network for synthesizing CT image from T1-Weighted MR image. <i>Medical Image Analysis</i> , <b>2018</b> , 47, 31-44	15.4	93
296	3D conditional generative adversarial networks for high-quality PET image estimation at low dose. <i>NeuroImage</i> , <b>2018</b> , 174, 550-562	7.9	182
295	Radiation-induced brain structural and functional abnormalities in presymptomatic phase and outcome prediction. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 407-427	5.9	25
294	Landmark-based deep multi-instance learning for brain disease diagnosis. <i>Medical Image Analysis</i> , <b>2018</b> , 43, 157-168	15.4	183
293	Segmenting hippocampal subfields from 3T MRI with multi-modality images. <i>Medical Image Analysis</i> , <b>2018</b> , 43, 10-22	15.4	11
292	A computational method for longitudinal mapping of orientation-specific expansion of cortical surface in infants. <i>Medical Image Analysis</i> , <b>2018</b> , 49, 46-59	15.4	2

291	Simultaneous Estimation of Low- and High-Order Functional Connectivity for Identifying Mild Cognitive Impairment. <i>Frontiers in Neuroinformatics</i> , <b>2018</b> , 12, 3	3.9	28
290	Automatic Segmentation of 3D Perivascular Spaces in 7T MR Images Using Multi-Channel Fully Convolutional Network <b>2018</b> , 2018,	0	1
289	Non-rigid Brain MRI Registration Using Two-stage Deep Perceptive Networks <b>2018</b> , 2018,	0	1
288	Multi-Layer Multi-View Classification for Alzheimer's Disease Diagnosis. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2018</b> , 2018, 4406-4413	5	4
287	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> , <b>2018</b> , 11046, 398-403	0.9	2
286	Automatic Accurate Infant Cerebellar Tissue Segmentation with Densely Connected Convolutional Network. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11046, 233-240	0.9	2
285	Robust brain ROI segmentation by deformation regression and deformable shape model. <i>Medical Image Analysis</i> , <b>2018</b> , 43, 198-213	15.4	17
284	Improving Sparsity and Modularity of High-Order Functional Connectivity Networks for MCI and ASD Identification. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 959	5.1	11
283	Image denoising with morphology- and size-adaptive block-matching transform domain filtering. <i>Eurasip Journal on Image and Video Processing</i> , <b>2018</b> , 2018,	2.5	3
282	Temporal Correlation Structure Learning for MCI Conversion Prediction. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11072, 446-454	0.9	2
281	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> , <b>2018</b> , 11046, 1-9	0.9	3
280	Unpaired Deep Cross-Modality Synthesis with Fast Training. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11045, 155-164	0.9	9
279	Synthesizing Missing PET from MRI with Cycle-consistent Generative Adversarial Networks for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11072, 455-463	0.9	45
278	Craniofacial Bony Structures Segmentation from MRI with Deep-Supervision Adversarial Learning. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11073, 720-727	0.9	16
277	Angular Upsampling in Infant Diffusion MRI Using Neighborhood Matching in - Space. <i>Frontiers in Neuroinformatics</i> , <b>2018</b> , 12, 57	3.9	4
276	A Novel Deep Learning Framework on Brain Functional Networks for Early MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11072, 293-301	0.9	16
275	Deep Learning based Inter-Modality Image Registration Supervised by Intra-Modality Similarity. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11046, 55-63	0.9	34
274	Early Diagnosis of Autism Disease by Multi-channel CNNs. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 11046, 303-309	0.9	19

273	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. <i>Lecture Notes in Computer Science, 2018, 11070, 215-223</i>	0.9	13
272	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, 2018, 2018, 806-810</i>	1.6	1
271	Dual-Domain Cascaded Regression for Synthesizing 7T from 3T MRI. <i>Lecture Notes in Computer Science, 2018, 11070, 410-417</i>	0.9	7
270	Registration-Free Infant Cortical Surface Parcellation using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science, 2018, 11072, 672-680</i>	0.9	13
269	Efficient Groupwise Registration of MR Brain Images via Hierarchical Graph Set Shrinkage. <i>Lecture Notes in Computer Science, 2018, 11070, 819-826</i>	0.9	
268	Revealing Regional Associations of Cortical Folding Alterations with In Utero Ventricular Dilation Using Joint Spectral Embedding. <i>Lecture Notes in Computer Science, 2018, 11072, 620-627</i>	0.9	2
267	ESTIMATION OF SHAPE AND GROWTH BRAIN NETWORK ATLASES FOR CONNECTOMIC BRAIN MAPPING IN DEVELOPING INFANTS <b>2018, 2018, 985-989</b>	1.5	2
266	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
265	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
264	Low-Rank Representation for Multi-center Autism Spectrum Disorder Identification. <i>Lecture Notes in Computer Science, 2018, 11070, 647-654</i>	0.9	14
263	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
262	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
261	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
260	A COMPUTATIONAL METHOD FOR LONGITUDINAL MAPPING OF ORIENTATION-SPECIFIC EXPANSION OF CORTICAL SURFACE AREA IN INFANTS <b>2018, 2018, 683-686</b>	1.5	
259	FETAL CORTICAL PARCELLATION BASED ON GROWTH PATTERNS <b>2018, 2018, 696-699</b>	1.5	2
258	CONSTRUCTION OF SPATIOTEMPORAL INFANT CORTICAL SURFACE ATLAS OF RHESUS MACAQUE <b>2018, 2018, 704-707</b>	1.5	7
257	SEMI-SUPERVISED LEARNING FOR PELVIC MR IMAGE SEGMENTATION BASED ON MULTI-TASK RESIDUAL FULLY CONVOLUTIONAL NETWORKS <b>2018, 2018, 885-888</b>	1.5	14
256	INFANT BRAIN DEVELOPMENT PREDICTION WITH LATENT PARTIAL MULTI-VIEW REPRESENTATION LEARNING <b>2018, 2018, 1048-1051</b>	1.5	2

255	CONSTRUCTION OF SPATIOTEMPORAL NEONATAL CORTICAL SURFACE ATLASES USING A LARGE-SCALE DATASET <b>2018</b> , 2018, 1056-1059	1.5	5
254	A novel relational regularization feature selection method for joint regression and classification in AD diagnosis. <i>Medical Image Analysis</i> , <b>2017</b> , 38, 205-214	15.4	137
253	Concatenated Spatially-localized Random Forests for Hippocampus Labeling in Adult and Infant MR Brain Images. <i>Neurocomputing</i> , <b>2017</b> , 229, 3-12	5.4	20
252	Deep ensemble learning of sparse regression models for brain disease diagnosis. <i>Medical Image Analysis</i> , <b>2017</b> , 37, 101-113	15.4	147
251	Connectivity strength-weighted sparse group representation-based brain network construction for MCI classification. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 2370-2383	5.9	53
250	Kernel-based Joint Feature Selection and Max-Margin Classification for Early Diagnosis of Parkinson's Disease. <i>Scientific Reports</i> , <b>2017</b> , 7, 41069	4.9	29
249	Reduced White Matter Integrity in Antisocial Personality Disorder: A Diffusion Tensor Imaging Study. <i>Scientific Reports</i> , <b>2017</b> , 7, 43002	4.9	26
248	7T-guided super-resolution of 3T MRI. <i>Medical Physics</i> , <b>2017</b> , 44, 1661-1677	4.4	28
247	A Hierarchical Feature and Sample Selection Framework and Its Application for Alzheimer's Disease Diagnosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 45269	4.9	16
246	Dual-core steered non-rigid registration for multi-modal images via bi-directional image synthesis. <i>Medical Image Analysis</i> , <b>2017</b> , 41, 18-31	15.4	44
245	View-aligned hypergraph learning for Alzheimer's disease diagnosis with incomplete multi-modality data. <i>Medical Image Analysis</i> , <b>2017</b> , 36, 123-134	15.4	82
244	Progressive multi-atlas label fusion by dictionary evolution. <i>Medical Image Analysis</i> , <b>2017</b> , 36, 162-171	15.4	10
243	Modeling Rett Syndrome Using TALEN-Edited MECP2 Mutant Cynomolgus Monkeys. <i>Cell</i> , <b>2017</b> , 169, 945-955.e10	56.2	101
242	Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. <i>Neuroinformatics</i> , <b>2017</b> , 15, 271-284	3.2	23
241	Multi-task diagnosis for autism spectrum disorders using multi-modality features: A multi-center study. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 3081-3097	5.9	50
240	Joint prediction of longitudinal development of cortical surfaces and white matter fibers from neonatal MRI. <i>NeuroImage</i> , <b>2017</b> , 152, 411-424	7.9	19
239	A cybernetic eye for rare disease. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1,	19	5
238	Can we predict subject-specific dynamic cortical thickness maps during infancy from birth?. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 2865-2874	5.9	12

237	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> , <b>2017</b> , 7, 13769	4.9	25
236	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> , <b>2017</b> , 10433, 40-48	0.9	3
235	Constructing Multi-frequency High-Order Functional Connectivity Network for Diagnosis of Mild Cognitive Impairment. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10511, 9-16	0.9	9
234	Maximum Mean Discrepancy Based Multiple Kernel Learning for Incomplete Multimodality Neuroimaging Data. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10435, 72-80	0.9	12
233	Robust Fusion of Diffusion MRI Data for Template Construction. <i>Scientific Reports</i> , <b>2017</b> , 7, 12950	4.9	10
232	Low-Rank Graph-Regularized Structured Sparse Regression for Identifying Genetic Biomarkers. <i>IEEE Transactions on Big Data</i> , <b>2017</b> , 3, 405-414	3.2	49
231	Predicting Alzheimer's Disease Cognitive Assessment via Robust Low-Rank Structured Sparse Model. <i>IJCAI: Proceedings of the Conference</i> , <b>2017</b> , 2017, 3880-3886	2.1	5
230	Medical Image Synthesis with Context-Aware Generative Adversarial Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10435, 417-425	0.9	221
229	Consciousness Level and Recovery Outcome Prediction Using High-Order Brain Functional Connectivity Network. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10511, 17-24	0.9	1
228	Segmentation of Craniomaxillofacial Bony Structures from MRI with a 3D Deep-Learning Based Cascade Framework. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 266-273	0.9	14
227	Learning-based deformable registration for infant MRI by integrating random forest with auto-context model. <i>Medical Physics</i> , <b>2017</b> , 44, 6289-6303	4.4	13
226	Exploring Gyral Patterns of Infant Cortical Folding based on Multi-view Curvature Information. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 12-20	0.9	5
225	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> , <b>2017</b> , 10433, 764-772	0.9	14
224	Deep Multi-Task Multi-Channel Learning for Joint Classification and Regression of Brain Status. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10435, 3-11	0.9	22
223	Deformable Image Registration based on Similarity-Steered CNN Regression. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 300-308	0.9	78
222	Inter-subject Similarity Guided Brain Network Modeling for MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 168-175	0.9	3
221	Joint Segmentation of Multiple Thoracic Organs in CT Images with Two Collaborative Deep Architectures. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10553, 21-29	0.9	13
220	Enhancement of Perivascular Spaces in 7 T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. <i>Scientific Reports</i> , <b>2017</b> , 7, 8569	4.9	16

219	Multimodal Hyper-connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 433-441	0.9	2
218	Learning-based structurally-guided construction of resting-state functional correlation tensors. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 43, 110-121	3.3	16
217	Gyral net: A new representation of cortical folding organization. <i>Medical Image Analysis</i> , <b>2017</b> , 42, 14-25	15.4	17
216	Hybrid High-order Functional Connectivity Networks Using Resting-state Functional MRI for Mild Cognitive Impairment Diagnosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 6530	4.9	62
215	Longitudinal multi-scale mapping of infant cortical folding using spherical wavelets <b>2017</b> ,		1
214	Deep Auto-context Convolutional Neural Networks for Standard-Dose PET Image Estimation from Low-Dose PET/MRI. <i>Neurocomputing</i> , <b>2017</b> , 267, 406-416	5.4	136
213	A Novel Framework for Groupwise Registration of fMRI Images based on Common Functional Networks <b>2017</b> , 2017, 485-489	1.5	2
212	Extraction of dynamic functional connectivity from brain grey matter and white matter for MCI classification. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 5019-5034	5.9	96
211	Disrupted functional connectome in antisocial personality disorder. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 1071-1084	4.1	11
210	Feature fusion via hierarchical supervised local CCA for diagnosis of autism spectrum disorder. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 1050-1060	4.1	11
209	Robust multi-atlas label propagation by deep sparse representation. <i>Pattern Recognition</i> , <b>2017</b> , 63, 511-517		23
208	Brain Atlas Fusion from High-Thickness Diagnostic Magnetic Resonance Images by Learning-Based Super-Resolution. <i>Pattern Recognition</i> , <b>2017</b> , 63, 531-541	7.7	17
207	Scalable Joint Segmentation and Registration Framework for Infant Brain Images. <i>Neurocomputing</i> , <b>2017</b> , 229, 54-62	5.4	11
206	Fully automated esophagus segmentation with a hierarchical deep learning approach <b>2017</b> , 2017, 503-506		11
205	LONGITUDINAL MULTI-SCALE MAPPING OF INFANT CORTICAL FOLDING USING SPHERICAL WAVELETS <b>2017</b> , 2017, 93-96	1.5	2
204	Cerebellum Tissue Segmentation with Ensemble Sparse Learning <b>2017</b> , 25,	0	1
203	Regularized Modal Regression with Applications in Cognitive Impairment Prediction. <i>Advances in Neural Information Processing Systems</i> , <b>2017</b> , 30, 1448-1458	2.2	1
202	Estimation of Clean and Centered Brain Network Atlases using Diffusive-Shrinking Graphs with Application to Developing Brains. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10265, 385-397	0.9	14

201	LATEST: Local AdapTivE and Sequential Training for Tissue Segmentation of Isointense Infant Brain MR Images. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 2017, 26-34	0.9	1
200	Does Manual Delineation only Provide the Side Information in CT Prostate Segmentation?. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10435, 692-700	0.9	9
199	4D Infant Cortical Surface Atlas Construction using Spherical Patch-based Sparse Representation. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 57-65	0.9	12
198	Joint Craniomaxillofacial Bone Segmentation and Landmark Digitization by Context-Guided Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10434, 720-728	0.9	20
197	Efficient Groupwise Registration for Brain MRI by Fast Initialization. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 150-158	0.9	2
196	A Point Says a Lot: An Interactive Segmentation Method for MR Prostate via One-Point Labeling. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 220-228	0.9	2
195	Novel Effective Connectivity Network Inference for MCI Identification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 2017, 316-324	0.9	2
194	Brain Image Labeling Using Multi-atlas Guided 3D Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10530, 12-19	0.9	7
193	Learning-Based Estimation of Functional Correlation Tensors in White Matter for Early Diagnosis of Mild Cognitive Impairment. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10530, 65-73	0.9	
192	Graph-Constrained Sparse Construction of Longitudinal Diffusion-Weighted Infant Atlases. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 49-56	0.9	9
191	Developmental Patterns Based Individualized Parcellation of Infant Cortical Surface. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 66-74	0.9	1
190	Sparse Multi-view Task-Centralized Learning for ASD Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 159-167	0.9	
189	Improving Functional MRI Registration Using Whole-Brain Functional Correlation Tensors. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10433, 416-423	0.9	2
188	Fusion of High-Order and Low-Order Effective Connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 2017, 307-315	0.9	0
187	Structural Connectivity Guided Sparse Effective Connectivity for MCI Identification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 10541, 299-306	0.9	2
186	Sparse temporally dynamic resting-state functional connectivity networks for early MCI identification. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 342-56	4.1	110
185	Cortical thickness and surface area in neonates at high risk for schizophrenia. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 447-61	4	42
184	7T-Guided Learning Framework for Improving the Segmentation of 3T MR Images. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 572-580	0.9	2

183	Learning-based subject-specific estimation of dynamic maps of cortical morphology at missing time points in longitudinal infant studies. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 4129-4147	5.9	13
182	3D Deep Learning for Multi-modal Imaging-Guided Survival Time Prediction of Brain Tumor Patients. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 212-220	0.9	109
181	Learning-Based Multimodal Image Registration for Prostate Cancer Radiation Therapy. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9902, 1-9	0.9	18
180	Automatic Segmentation of Hippocampus for Longitudinal Infant Brain MR Image Sequence by Spatial-Temporal Hypergraph Learning. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9993, 1-8	0.9	4
179	Consistent Multi-Atlas Hippocampus Segmentation for Longitudinal MR Brain Images with Temporal Sparse Representation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9993, 34-42	0.9	3
178	Estimating CT Image from MRI Data Using 3D Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 2016, 170-178	0.9	115
177	Learning-Based 3T Brain MRI Segmentation with Guidance from 7T MRI Labeling. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 213-220	0.9	2
176	Computer-Aided Diagnosis with Deep Learning Architecture: Applications to Breast Lesions in US Images and Pulmonary Nodules in CT Scans. <i>Scientific Reports</i> , <b>2016</b> , 6, 24454	4.9	360
175	Reveal Consistent Spatial-Temporal Patterns from Dynamic Functional Connectivity for Autism Spectrum Disorder Identification. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 106-114	0.9	20
174	Diagnosis of Alzheimer's Disease Using View-Aligned Hypergraph Learning with Incomplete Multi-modality Data. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 308-316	0.9	7
173	Semi-supervised Hierarchical Multimodal Feature and Sample Selection for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 79-87	0.9	7
172	Structured Sparse Kernel Learning for Imaging Genetics Based Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 70-78	0.9	16
171	Functional Connectivity Network Fusion with Dynamic Thresholding for MCI Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 246-253	0.9	7
170	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> , <b>2016</b> , 9900, 264-272	0.9	16
169	A dynamic tree-based registration could handle possible large deformations among MR brain images. <i>Computerized Medical Imaging and Graphics</i> , <b>2016</b> , 52, 1-7	7.6	1
168	Segmentation of perivascular spaces in 7T MR image using auto-context model with orientation-normalized features. <i>NeuroImage</i> , <b>2016</b> , 134, 223-235	7.9	19
167	Joint feature-sample selection and robust diagnosis of Parkinson's disease from MRI data. <i>NeuroImage</i> , <b>2016</b> , 141, 206-219	7.9	57
166	Multi-task feature selection via supervised canonical graph matching for diagnosis of autism spectrum disorder. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 33-40	4.1	16



165	State-space model with deep learning for functional dynamics estimation in resting-state fMRI. <i>NeuroImage</i> , <b>2016</b> , 129, 292-307	7.9	163
164	Hyper-connectivity of functional networks for brain disease diagnosis. <i>Medical Image Analysis</i> , <b>2016</b> , 32, 84-100	15.4	65
163	Visualization of perivascular spaces in the human brain at 7T: sequence optimization and morphology characterization. <i>NeuroImage</i> , <b>2016</b> , 125, 895-902	7.9	36
162	In vivo MRI based prostate cancer localization with random forests and auto-context model. <i>Computerized Medical Imaging and Graphics</i> , <b>2016</b> , 52, 44-57	7.6	14
161	Predicting infant cortical surface development using a 4D varifold-based learning framework and local topography-based shape morphing. <i>Medical Image Analysis</i> , <b>2016</b> , 28, 1-12	15.4	20
160	Discriminative multi-task feature selection for multi-modality classification of Alzheimer's disease. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 739-49	4.1	30
159	Label-aligned multi-task feature learning for multimodal classification of Alzheimer's disease and mild cognitive impairment. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 1148-1159	4.1	45
158	Identification of progressive mild cognitive impairment patients using incomplete longitudinal MRI scans. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 3979-3995	4	31
157	Canonical feature selection for joint regression and multi-class identification in Alzheimer's disease diagnosis. <i>Brain Imaging and Behavior</i> , <b>2016</b> , 10, 818-28	4.1	64
156	Graph-guided joint prediction of class label and clinical scores for the Alzheimer's disease. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 3787-801	4	23
155	Deep sparse multi-task learning for feature selection in Alzheimer's disease diagnosis. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 2569-87	4	83
154	A Learning-Based CT Prostate Segmentation Method via Joint Transductive Feature Selection and Regression. <i>Neurocomputing</i> , <b>2016</b> , 173, 317-331	5.4	15
153	Landmark-Based Alzheimer's Disease Diagnosis Using Longitudinal Structural MR Images. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10081, 35-45	0.9	1
152	Automated segmentation of dental CBCT image with prior-guided sequential random forests. <i>Medical Physics</i> , <b>2016</b> , 43, 336	4.4	33
151	Angular Resolution Enhancement of Diffusion MRI Data Using Inter-Subject Information Transfer. <i>Mathematics and Visualization</i> , <b>2016</b> , 2016, 145-157	0.6	2
150	Learning-Based Topological Correction for Infant Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 219-227	0.9	15
149	Prediction of Memory Impairment with MRI Data: A Longitudinal Study of Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 273-281	0.9	12
148	Progressive Graph-Based Transductive Learning for Multi-modal Classification of Brain Disorder Disease. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 291-299	0.9	8

147	Structured Sparse Low-Rank Regression Model for Brain-Wide and Genome-Wide Associations. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 344-352	0.9	11
146	Correlation-Weighted Sparse Group Representation for Brain Network Construction in MCI Classification. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 37-45	0.9	13
145	Feature Selection Based on Iterative Canonical Correlation Analysis for Automatic Diagnosis of Parkinson's Disease. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 1-8	0.9	8
144	Ensemble Hierarchical High-Order Functional Connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 18-25	0.9	11
143	Outcome Prediction for Patient with High-Grade Gliomas from Brain Functional and Structural Networks. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 26-34	0.9	24
142	Joint Discriminative and Representative Feature Selection for Alzheimer's Disease Diagnosis. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 77-85	0.9	2
141	Automatic Hippocampal Subfield Segmentation from 3T Multi-modality Images. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 229-236	0.9	2
140	Segmentation of Perivascular Spaces Using Vascular Features and Structured Random Forest from 7T MR Image. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 61-68	0.9	4
139	Robust Construction of Diffusion MRI Atlases with Correction for Inter-Subject Fiber Dispersion. <i>Mathematics and Visualization</i> , <b>2016</b> , 2016, 113-121	0.6	2
138	A Hybrid Multishape Learning Framework for Longitudinal Prediction of Cortical Surfaces and Fiber Tracts Using Neonatal Data. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 210-218	0.9	4
137	New Multi-task Learning Model to Predict Alzheimer's Disease Cognitive Assessment. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 317-325	0.9	3
136	Discovering Cortical Folding Patterns in Neonatal Cortical Surfaces Using Large-Scale Dataset. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9900, 10-18	0.9	6
135	Regression Guided Deformable Models for Segmentation of Multiple Brain ROIs. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 237-245	0.9	
134	Automatic Cystocele Severity Grading in Ultrasound by Spatio-Temporal Regression. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 247-255	0.9	
133	Multi-Atlas Based Segmentation of Brainstem Nuclei from MR Images by Deep Hyper-Graph Learning. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9993, 51-59	0.9	3
132	Dual-Layer Groupwise Registration for Consistent Labeling of Longitudinal Brain Images. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 69-76	0.9	
131	Multilevel Deficiency of White Matter Connectivity Networks in Alzheimer's Disease: A Diffusion MRI Study with DTI and HARDI Models. <i>Neural Plasticity</i> , <b>2016</b> , 2016, 2947136	3.3	19
130	Embarrassingly Parallel Acceleration of Global Tractography via Dynamic Domain Partitioning. <i>Frontiers in Neuroinformatics</i> , <b>2016</b> , 10, 25	3.9	3

129	eHUGS: Enhanced Hierarchical Unbiased Graph Shrinkage for Efficient Groupwise Registration. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146870	3.7	6
128	FULLY CONVOLUTIONAL NETWORKS FOR MULTI-MODALITY ISOINTENSE INFANT BRAIN IMAGE SEGMENTATION <b>2016</b> , 2016, 1342-1345	1.5	118
127	Detail-preserving construction of neonatal brain atlases in space-frequency domain. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 2133-50	5.9	14
126	Composite large margin classifiers with latent subclasses for heterogeneous biomedical data. <i>Statistical Analysis and Data Mining</i> , <b>2016</b> , 9, 75-88	1.4	2
125	High-order resting-state functional connectivity network for MCI classification. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 3282-96	5.9	144
124	Diagnosis of Autism Spectrum Disorders Using Temporally Distinct Resting-State Functional Connectivity Networks. <i>CNS Neuroscience and Therapeutics</i> , <b>2016</b> , 22, 212-9	6.8	45
123	Nonlocal atlas-guided multi-channel forest learning for human brain labeling. <i>Medical Physics</i> , <b>2016</b> , 43, 1003-19	4.4	8
122	Prostate deformation from inflatable rectal probe cover and dosimetric effects in prostate seed implant brachytherapy. <i>Medical Physics</i> , <b>2016</b> , 43, 6569	4.4	
121	Topographical Information-Based High-Order Functional Connectivity and Its Application in Abnormality Detection for Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 54, 1095-1112	4.3	70
120	Learning-based 3T brain MRI segmentation with guidance from 7T MRI labeling. <i>Medical Physics</i> , <b>2016</b> , 43, 6588	4.4	4
119	Improving Estimation of Fiber Orientations in Diffusion MRI Using Inter-Subject Information Sharing. <i>Scientific Reports</i> , <b>2016</b> , 6, 37847	4.9	13
118	Automatic labeling of MR brain images by hierarchical learning of atlas forests. <i>Medical Physics</i> , <b>2016</b> , 43, 1175-86	4.4	24
117	Accelerating Global Tractography Using Parallel Markov Chain Monte Carlo. <i>Mathematics and Visualization</i> , <b>2016</b> , 2016, 121-130	0.6	0
116	Inherent Structure-Based Multiview Learning With Multitemplate Feature Representation for Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1473-82	5	64
115	Multidirectional and Topography-based Dynamic-scale Varifold Representations with Application to Matching Developing Cortical Surfaces. <i>NeuroImage</i> , <b>2016</b> , 135, 152-62	7.9	9
114	Reduced cortical thickness and increased surface area in antisocial personality disorder. <i>Neuroscience</i> , <b>2016</b> , 337, 143-152	3.9	16
113	Subject-specific Estimation of Missing Cortical Thickness Maps in Developing Infant Brains. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9601, 83-92	0.9	1
112	Identifying High Order Brain Connectome Biomarkers via Learning on Hypergraph. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 10019, 1-9	0.9	5

111	Automated quantification of cerebral edema following hemispheric infarction: Application of a machine-learning algorithm to evaluate CSF shifts on serial head CTs. <i>NeuroImage: Clinical</i> , <b>2016</b> , 12, 673-680	5.3	41
110	Longitudinal clinical score prediction in Alzheimer's disease with soft-split sparse regression based random forest. <i>Neurobiology of Aging</i> , <b>2016</b> , 46, 180-91	5.6	70
109	Estimating functional brain networks by incorporating a modularity prior. <i>NeuroImage</i> , <b>2016</b> , 141, 399-407	7.9	69
108	Spatial Patterns, Longitudinal Development, and Hemispheric Asymmetries of Cortical Thickness in Infants from Birth to 2 Years of Age. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 9150-62	6.6	107
107	Robust anatomical landmark detection with application to MR brain image registration. <i>Computerized Medical Imaging and Graphics</i> , <b>2015</b> , 46 Pt 3, 277-90	7.6	14
106	A Hybrid of Deep Network and Hidden Markov Model for MCI Identification with Resting-State fMRI. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9349, 573-580	0.9	11
105	Multi-atlas Based Segmentation Editing with Interaction-Guided Constraints. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9351, 198-206	0.9	1
104	COLLABORATIVE NON-LOCAL MEANS DENOISING OF MAGNETIC RESONANCE IMAGES <b>2015</b> , 2015, 564-567	5.7	5
103	Locally-constrained boundary regression for segmentation of prostate and rectum in the planning CT images. <i>Medical Image Analysis</i> , <b>2015</b> , 26, 345-56	15.4	30
102	Cortical Surface-Based Construction of Individual Structural Network with Application to Early Brain Development Study. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9351, 560-568	0.9	
101	Identification of infants at high-risk for autism spectrum disorder using multiparameter multiscale white matter connectivity networks. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 4880-96	5.9	58
100	Cortical asymmetries in unaffected siblings of patients with obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , <b>2015</b> , 234, 346-51	2.9	10
99	AUTOMATIC PARCELLATION OF CORTICAL SURFACES USING RANDOM FORESTS <b>2015</b> , 2015, 810-813	1.5	3
98	Joint Labeling Of Multiple Regions of Interest (Rois) By Enhanced Auto Context Models <b>2015</b> , 2015, 1560-1563	3.2	
97	Prediction of standard-dose brain PET image by using MRI and low-dose brain [18F]FDG PET images. <i>Medical Physics</i> , <b>2015</b> , 42, 5301-9	4.4	32
96	Hierarchical multi-atlas label fusion with multi-scale feature representation and label-specific patch partition. <i>NeuroImage</i> , <b>2015</b> , 106, 34-46	7.9	79
95	Improved image registration by sparse patch-based deformation estimation. <i>NeuroImage</i> , <b>2015</b> , 105, 257-68	7.9	30
94	Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. <i>Medical Physics</i> , <b>2015</b> , 42, 4174-89	4.4	8

93	Estimating patient-specific and anatomically correct reference model for craniomaxillofacial deformity via sparse representation. <i>Medical Physics</i> , <b>2015</b> , 42, 5809-16	4.4	11
92	Building dynamic population graph for accurate correspondence detection. <i>Medical Image Analysis</i> , <b>2015</b> , 26, 256-67	15.4	38
91	Online updating of context-aware landmark detectors for prostate localization in daily treatment CT images. <i>Medical Physics</i> , <b>2015</b> , 42, 2594-606	4.4	1
90	Spatiotemporal patterns of cortical fiber density in developing infants, and their relationship with cortical thickness. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 5183-95	5.9	24
89	MRI-based intelligence quotient (IQ) estimation with sparse learning. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117295	3.7	12
88	Evaluation of machine learning algorithms for treatment outcome prediction in patients with epilepsy based on structural connectome data. <i>NeuroImage</i> , <b>2015</b> , 118, 219-30	7.9	95
87	Discriminative Multi-task Feature Selection for Multi-modality Based AD/MCI Classification <b>2015</b> ,		4
86	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. <i>Medical Image Analysis</i> , <b>2015</b> , 25, 22-36	15.4	90
85	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> , <b>2015</b> , 9467, 188-196	0.9	9
84	A transversal approach for patch-based label fusion via matrix completion. <i>Medical Image Analysis</i> , <b>2015</b> , 24, 135-148	15.4	18
83	Predict brain MR image registration via sparse learning of appearance and transformation. <i>Medical Image Analysis</i> , <b>2015</b> , 20, 61-75	15.4	25
82	LINKS: learning-based multi-source Integration Framework for Segmentation of infant brain images. <i>NeuroImage</i> , <b>2015</b> , 108, 160-72	7.9	168
81	Deep convolutional neural networks for multi-modality iso-intense infant brain image segmentation. <i>NeuroImage</i> , <b>2015</b> , 108, 214-24	7.9	519
80	Surface vulnerability of cerebral cortex to major depressive disorder. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120704	3.7	52
79	Diffusion Compartmentalization Using Response Function Groups with Cardinality Penalization. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9349, 183-190	0.9	3
78	Novel Single and Multiple Shell Uniform Sampling Schemes for Diffusion MRI Using Spherical Codes. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9349, 28-36	0.9	3
77	MCI Identification by Joint Learning on Multiple MRI Data. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 78-85	0.9	15
76	Medical Image Retrieval Using Multi-graph Learning for MCI Diagnostic Assistance. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 86-93	0.9	12

75	Space-Frequency Detail-Preserving Construction of Neonatal Brain Atlases. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 255-262	0.9	2
74	Hierarchical Reconstruction of 7T-like Images from 3T MRI Using Multi-level CCA and Group Sparsity. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 659-666	0.9	11
73	Progressive Label Fusion Framework for Multi-atlas Segmentation by Dictionary Evolution. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9351, 190-197	0.9	5
72	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> , <b>2015</b> , 9351, 527-534	0.9	9
71	Parcellation of Infant Surface Atlas Using Developmental Trajectories of Multidimensional Cortical Attributes. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9351, 543-550	0.9	3
70	Segmentation of Infant Hippocampus Using Common Feature Representations Learned for Multimodal Longitudinal Data. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9351, 63-71	0.9	7
69	Identification of Infants at Risk for Autism Using Multi-parameter Hierarchical White Matter Connectomes. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9352, 170-177	0.9	6
68	Multi-source Information Gain for Random Forest: An Application to CT Image Prediction from MRI Data. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9352, 321-329	0.9	3
67	Prediction of Infant MRI Appearance and Anatomical Structure Evolution using Sparse Patch-based Metamorphosis Learning Framework. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9467, 197-204	0.9	10
66	Block-Based Statistics for Robust Non-parametric Morphometry. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9467, 62-70	0.9	2
65	Super-Resolution Reconstruction of Diffusion-Weighted Images using 4D Low-Rank and Total Variation. <i>Mathematics and Visualization</i> , <b>2015</b> , 2015, 15-25	0.6	3
64	Inherent Structure-Guided Multi-view Learning for Alzheimer's Disease and Mild Cognitive Impairment Classification. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9352, 296-303	0.9	1
63	Soft-Split Random Forest for Anatomy Labeling. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9352, 17-25	0.9	1
62	Topography-Based Registration of Developing Cortical Surfaces in Infants Using Multidirectional Varifold Representation. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 230-237	0.9	3
61	Image Super-Resolution by Supervised Adaption of Patchwise Self-similarity from High-Resolution Image. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9467, 10-18	0.9	2
60	Tensorial Spherical Polar Fourier Diffusion MRI with Optimal Dictionary Learning. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9349, 174-182	0.9	1
59	Isointense Infant Brain Segmentation by Stacked Kernel Canonical Correlation Analysis. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9467, 28-36	0.9	1
58	Non-local Atlas-guided Multi-channel Forest Learning for Human Brain Labeling. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9351, 719-726	0.9	

57	Hierarchical Multi-modal Image Registration by Learning Common Feature Representations. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9352, 203-211	0.9	
56	Hierarchical fusion of features and classifier decisions for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 1305-19	5.9	88
55	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> , <b>2014</b> , 2014, 3089-3096	6	49
54	CONNECTOMICS SIGNATURE FOR CHARACTERIZATION OF MILD COGNITIVE IMPAIRMENT AND SCHIZOPHRENIA <b>2014</b> , 2014, 325-328	1.5	5
53	Hierarchical feature representation and multimodal fusion with deep learning for AD/MCI diagnosis. <i>NeuroImage</i> , <b>2014</b> , 101, 569-82	7.9	536
52	Non-Negative Spherical Deconvolution (NNSD) for estimation of fiber Orientation Distribution Function in single-/multi-shell diffusion MRI. <i>NeuroImage</i> , <b>2014</b> , 101, 750-64	7.9	32
51	Altered brain network modules induce helplessness in major depressive disorder. <i>Journal of Affective Disorders</i> , <b>2014</b> , 168, 21-9	6.6	44
50	Simultaneous and consistent labeling of longitudinal dynamic developing cortical surfaces in infants. <i>Medical Image Analysis</i> , <b>2014</b> , 18, 1274-89	15.4	31
49	Multi-atlas based representations for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 5052-70	5.9	53
48	Integration of sparse multi-modality representation and anatomical constraint for iso-intense infant brain MR image segmentation. <i>NeuroImage</i> , <b>2014</b> , 89, 152-64	7.9	80
47	Neurodegenerative disease diagnosis using incomplete multi-modality data via matrix shrinkage and completion. <i>NeuroImage</i> , <b>2014</b> , 91, 386-400	7.9	76
46	A novel matrix-similarity based loss function for joint regression and classification in AD diagnosis. <i>NeuroImage</i> , <b>2014</b> , 100, 91-105	7.9	139
45	Knowledge-guided robust MRI brain extraction for diverse large-scale neuroimaging studies on humans and non-human primates. <i>PLoS ONE</i> , <b>2014</b> , 9, e77810	3.7	69
44	Multi-task linear programming discriminant analysis for the identification of progressive MCI individuals. <i>PLoS ONE</i> , <b>2014</b> , 9, e96458	3.7	17
43	Subclass-based multi-task learning for Alzheimer's disease diagnosis. <i>Frontiers in Aging Neuroscience</i> , <b>2014</b> , 6, 168	5.3	29
42	Integrative analysis of multi-dimensional imaging genomics data for Alzheimer's disease prediction. <i>Frontiers in Aging Neuroscience</i> , <b>2014</b> , 6, 260	5.3	24
41	MRI based attenuation correction for PET/MRI via MRF segmentation and sparse regression estimated CT <b>2014</b> ,		4
40	Large deformation diffeomorphic registration of diffusion-weighted imaging data. <i>Medical Image Analysis</i> , <b>2014</b> , 18, 1290-8	15.4	15

39	Spatial distribution and longitudinal development of deep cortical sulcal landmarks in infants. <i>NeuroImage</i> , <b>2014</b> , 100, 206-18	7.9	83
38	Correction to Learning to Rank Atlases for Multiple-Atlas Segmentation[Oct 14 1939-1953]. <i>IEEE Transactions on Medical Imaging</i> , <b>2014</b> , 33, 2210-2210	11.7	1
37	Detection and analysis of T2DM biomarkers from brain MR images using BrainLab <b>2014</b> ,		1
36	Automated bone segmentation from dental CBCT images using patch-based sparse representation and convex optimization. <i>Medical Physics</i> , <b>2014</b> , 41, 043503	4.4	52
35	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> , <b>2014</b> , 2014, 2721-2728	6	17
34	Deformable segmentation of 3D MR prostate images via distributed discriminative dictionary and ensemble learning. <i>Medical Physics</i> , <b>2014</b> , 41, 072303	4.4	15
33	Interactive prostate segmentation using atlas-guided semi-supervised learning and adaptive feature selection. <i>Medical Physics</i> , <b>2014</b> , 41, 111715	4.4	20
32	TAILOR THE LONGITUDINAL ANALYSIS FOR NIH LONGITUDINAL NORMAL BRAIN DEVELOPMENTAL STUDY <b>2014</b> , 2014, 1206-1209	1.5	1
31	A generative probability model of joint label fusion for multi-atlas based brain segmentation. <i>Medical Image Analysis</i> , <b>2014</b> , 18, 881-90	15.4	93
30	Measuring the dynamic longitudinal cortex development in infants by reconstruction of temporally consistent cortical surfaces. <i>NeuroImage</i> , <b>2014</b> , 90, 266-79	7.9	92
29	Structural and diffusion property alterations in unaffected siblings of patients with obsessive-compulsive disorder. <i>PLoS ONE</i> , <b>2014</b> , 9, e85663	3.7	15
28	Disrupted brain functional network in internet addiction disorder: a resting-state functional magnetic resonance imaging study. <i>PLoS ONE</i> , <b>2014</b> , 9, e107306	3.7	56
27	Multivariate longitudinal shape analysis of human lateral ventricles during the first twenty-four months of life. <i>PLoS ONE</i> , <b>2014</b> , 9, e108306	3.7	9
26	Learning Distance Transform for Boundary Detection and Deformable Segmentation in CT Prostate Images. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 8679, 93-100	0.9	15
25	Consistent 4D Brain Extraction of Serial Brain MR Images. <i>Proceedings of SPIE</i> , <b>2013</b> , 8669,	1.7	1
24	Deep learning-based feature representation for AD/MCI classification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 583-90	0.9	197
23	INTER-GROUP IMAGE REGISTRATION BY HIERARCHICAL GRAPH SHRINKAGE <b>2013</b> , 2013, 1030-1033	1.5	
22	KERNEL-BASED MULTI-TASK JOINT SPARSE CLASSIFICATION FOR ALZHEIMER'S DISEASE <b>2013</b> , 2013, 1364-1367	1.5	6



21	MR PROSTATE SEGMENTATION VIA DISTRIBUTED DISCRIMINATIVE DICTIONARY () LEARNING <b>2013</b> , 2013, 868-871	1.5	3
20	Unsupervised deep feature learning for deformable registration of MR brain images. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 649-56	0.9	58
19	INFERRING FUNCTIONAL NETWORK-BASED SIGNATURES VIA STRUCTURALLY-WEIGHTED LASSO MODEL <b>2013</b> , 2013, 970-973	1.5	2
18	Automated segmentation of CBCT image using spiral CT atlases and convex optimization. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 251-8	0.9	15
17	A generative model for resolution enhancement of diffusion MRI data. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 527-34	0.9	3
16	Representation learning: a unified deep learning framework for automatic prostate MR segmentation. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 254-61	0.9	73
15	High-order graph matching based feature selection for Alzheimer's disease identification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 311-8	0.9	22
14	Identification of MCI using optimal sparse MAR modeled effective connectivity networks. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 319-327	0.9	5
13	Incremental learning with selective memory (ILSM): towards fast prostate localization for image guided radiotherapy. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 378-86	0.9	4
12	Low-rank total variation for image super-resolution. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 155-62	0.9	13
11	Manifold regularized multi-task feature selection for multi-modality classification in Alzheimer's disease. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 275-83	0.9	22
10	Large deformation image classification using generalized locality-constrained linear coding. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 292-9	0.9	10
9	Inter-modality relationship constrained multi-task feature selection for AD/MCI classification. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 308-15	0.9	11
8	Multi-atlas based simultaneous labeling of longitudinal dynamic cortical surfaces in infants. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 58-65	0.9	9
7	Minimizing joint risk of mislabeling for iterative Patch-based label fusion. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 551-8	0.9	3
6	Harnessing group-sparsity regularization for resolution enhancement of lung 4D-CT. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 139-46	0.9	
5	Regularized spherical polar fourier diffusion MRI with optimal dictionary learning. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 639-46	0.9	3
4	Predictive models of resting state networks for assessment of altered functional connectivity in MCI. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 674-81	0.9	1

3	Integration of sparse multi-modality representation and geometrical constraint for isointense infant brain segmentation. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 703-10	0.9	4
2	Consistent sulcal parcellation of longitudinal cortical surfaces. <i>NeuroImage</i> , <b>2011</b> , 57, 76-88	7.9	11
1	GROUPWISE REGISTRATION OF BREAST DCE-MR IMAGES FOR ACCURATE TUMOR MEASUREMENT <b>2011</b> , 2011, 598-601	1.5	3