

Peiyao Wang

List of Publications by Citations

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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.

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 | Hierarchical feature representation and multimodal fusion with deep learning for AD/MCI diagnosis. <i>NeuroImage</i> , 2014 , 101, 569-82 | 7.9 | 536 |
| 433 | Deep convolutional neural networks for multi-modality iso-intense infant brain image segmentation. <i>NeuroImage</i> , 2015 , 108, 214-24 | 7.9 | 519 |
| 432 | 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 |
| 431 | Medical Image Synthesis with Context-Aware Generative Adversarial Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 10435, 417-425 | 0.9 | 221 |
| 430 | Deep learning-based feature representation for AD/MCI classification. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 583-90 | 0.9 | 197 |
| 429 | Landmark-based deep multi-instance learning for brain disease diagnosis. <i>Medical Image Analysis</i> , 2018 , 43, 157-168 | 15.4 | 183 |
| 428 | 3D conditional generative adversarial networks for high-quality PET image estimation at low dose. <i>NeuroImage</i> , 2018 , 174, 550-562 | 7.9 | 182 |
| 427 | LINKS: learning-based multi-source IntegratiON framework for Segmentation of infant brain images. <i>NeuroImage</i> , 2015 , 108, 160-72 | 7.9 | 168 |
| 426 | State-space model with deep learning for functional dynamics estimation in resting-state fMRI. <i>NeuroImage</i> , 2016 , 129, 292-307 | 7.9 | 163 |
| 425 | Deep ensemble learning of sparse regression models for brain disease diagnosis. <i>Medical Image Analysis</i> , 2017 , 37, 101-113 | 15.4 | 147 |
| 424 | High-order resting-state functional connectivity network for MCI classification. <i>Human Brain Mapping</i> , 2016 , 37, 3282-96 | 5.9 | 144 |
| 423 | 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 |
| 422 | 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 |
| 421 | 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 |
| 420 | 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 |
| 419 | FULLY CONVOLUTIONAL NETWORKS FOR MULTI-MODALITY ISOINTENSE INFANT BRAIN IMAGE SEGMENTATION 2016 , 2016, 1342-1345 | 1.5 | 118 |
| 418 | 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 |

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| 4 ¹⁷ | 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 |
| 4 ¹⁶ | 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 |
| 4 ¹⁵ | 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 |
| 4 ¹⁴ | BIRNet: Brain image registration using dual-supervised fully convolutional networks. <i>Medical Image Analysis</i> , 2019 , 54, 193-206 | 15.4 | 102 |
| 4 ¹³ | Modeling Rett Syndrome Using TALEN-Edited MECP2 Mutant Cynomolgus Monkeys. <i>Cell</i> , 2017 , 169, 945-955.e10 | 56.2 | 101 |
| 4 ¹² | 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 |
| 4 ¹¹ | Evaluation of machine learning algorithms for treatment outcome prediction in patients with epilepsy based on structural connectome data. <i>NeuroImage</i> , 2015 , 118, 219-30 | 7.9 | 95 |
| 4 ¹⁰ | 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 |
| 4 ⁰⁹ | 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 |
| 4 ⁰⁸ | 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 |
| 4 ⁰⁷ | 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 |
| 4 ⁰⁶ | Hierarchical fusion of features and classifier decisions for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , 2014 , 35, 1305-19 | 5.9 | 88 |
| 4 ⁰⁵ | 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 |
| 4 ⁰⁴ | Spatial distribution and longitudinal development of deep cortical sulcal landmarks in infants. <i>NeuroImage</i> , 2014 , 100, 206-18 | 7.9 | 83 |
| 4 ⁰³ | 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 |
| 4 ⁰² | Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , 2019 , 185, 906-925 | 7.9 | 82 |
| 4 ⁰¹ | 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 |
| 4 ⁰⁰ | 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 |

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| 399 | Deformable Image Registration based on Similarity-Steered CNN Regression. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 300-308 | 0.9 | 78 |
| 398 | Neurodegenerative disease diagnosis using incomplete multi-modality data via matrix shrinkage and completion. <i>NeuroImage</i> , 2014 , 91, 386-400 | 7.9 | 76 |
| 397 | 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 |
| 396 | 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 |
| 395 | 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 |
| 394 | 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 ³ | 12.3 | 70 |
| 393 | 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 |
| 392 | Strength and Similarity Guided Group-level Brain Functional Network Construction for MCI Diagnosis. <i>Pattern Recognition</i> , 2019 , 88, 421-430 | 7.7 | 70 |
| 391 | 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 |
| 390 | Estimating functional brain networks by incorporating a modularity prior. <i>NeuroImage</i> , 2016 , 141, 399-407 ⁹ | 7.9 | 69 |
| 389 | 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 |
| 388 | Hyper-connectivity of functional networks for brain disease diagnosis. <i>Medical Image Analysis</i> , 2016 , 32, 84-100 | 15.4 | 65 |
| 387 | 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 |
| 386 | 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 |
| 385 | IDRiD: Diabetic Retinopathy - Segmentation and Grading Challenge. <i>Medical Image Analysis</i> , 2020 , 59, 101561 | 15.4 | 63 |
| 384 | 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 |
| 383 | 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 |
| 382 | 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 |

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| 381 | 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 |
| 380 | Joint feature-sample selection and robust diagnosis of Parkinson's disease from MRI data. <i>NeuroImage</i> , 2016 , 141, 206-219 | 7.9 | 57 |
| 379 | 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 |
| 378 | Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. <i>NeuroImage</i> , 2019 , 185, 664-684 | 7.9 | 54 |
| 377 | 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 |
| 376 | Multi-atlas based representations for Alzheimer's disease diagnosis. <i>Human Brain Mapping</i> , 2014 , 35, 5052-70 | 5.9 | 53 |
| 375 | 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 |
| 374 | Surface vulnerability of cerebral cortex to major depressive disorder. <i>PLoS ONE</i> , 2015 , 10, e0120704 | 3.7 | 52 |
| 373 | 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 |
| 372 | 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 |
| 371 | 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 |
| 370 | 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 |
| 369 | Adversarial learning for mono- or multi-modal registration. <i>Medical Image Analysis</i> , 2019 , 58, 101545 | 15.4 | 47 |
| 368 | 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 |
| 367 | 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 |
| 366 | 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 |
| 365 | 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 |
| 364 | 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 |

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| 363 | Altered brain network modules induce helplessness in major depressive disorder. <i>Journal of Affective Disorders</i> , 2014 , 168, 21-9 | 6.6 | 44 |
| 362 | Deep CNN ensembles and suggestive annotations for infant brain MRI segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2020 , 79, 101660 | 7.6 | 44 |
| 361 | Adversarial Similarity Network for Evaluating Image Alignment in Deep Learning based Registration. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 739-746 | 0.9 | 44 |
| 360 | Cortical thickness and surface area in neonates at high risk for schizophrenia. <i>Brain Structure and Function</i> , 2016 , 221, 447-61 | 4 | 42 |
| 359 | 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> , 2016 , 12, 673-680 | 5.3 | 41 |
| 358 | 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 |
| 357 | Volume-Based Analysis of 6-Month-Old Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 411-419 | 0.9 | 41 |
| 356 | 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 |
| 355 | Building dynamic population graph for accurate correspondence detection. <i>Medical Image Analysis</i> , 2015 , 26, 256-67 | 15.4 | 38 |
| 354 | Structured sparsity regularized multiple kernel learning for Alzheimer's disease diagnosis. <i>Pattern Recognition</i> , 2019 , 88, 370-382 | 7.7 | 38 |
| 353 | 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 |
| 352 | 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 |
| 351 | First-year development of modules and hubs in infant brain functional networks. <i>NeuroImage</i> , 2019 , 185, 222-235 | 7.9 | 36 |
| 350 | 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 |
| 349 | 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 |
| 348 | 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 |
| 347 | Automated segmentation of dental CBCT image with prior-guided sequential random forests. <i>Medical Physics</i> , 2016 , 43, 336 | 4.4 | 33 |
| 346 | 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 |

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| 345 | 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 |
| 344 | Weighted Graph Regularized Sparse Brain Network Construction for MCI Identification. <i>Pattern Recognition</i> , 2019 , 90, 220-231 | 7.7 | 32 |
| 343 | Identification of progressive mild cognitive impairment patients using incomplete longitudinal MRI scans. <i>Brain Structure and Function</i> , 2016 , 221, 3979-3995 | 4 | 31 |
| 342 | Simultaneous and consistent labeling of longitudinal dynamic developing cortical surfaces in infants. <i>Medical Image Analysis</i> , 2014 , 18, 1274-89 | 15.4 | 31 |
| 341 | 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 |
| 340 | Improved image registration by sparse patch-based deformation estimation. <i>NeuroImage</i> , 2015 , 105, 257-68 | 7.9 | 30 |
| 339 | 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 |
| 338 | Kernel-based Joint Feature Selection and Max-Margin Classification for Early Diagnosis of Parkinson's Disease. <i>Scientific Reports</i> , 2017 , 7, 41069 | 4.9 | 29 |
| 337 | Subclass-based multi-task learning for Alzheimer's disease diagnosis. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 168 | 5.3 | 29 |
| 336 | 7T-guided super-resolution of 3T MRI. <i>Medical Physics</i> , 2017 , 44, 1661-1677 | 4.4 | 28 |
| 335 | 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 |
| 334 | 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 |
| 333 | 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 |
| 332 | 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 |
| 331 | Context-guided fully convolutional networks for joint craniomaxillofacial bone segmentation and landmark digitization. <i>Medical Image Analysis</i> , 2020 , 60, 101621 | 15.4 | 27 |
| 330 | Reduced White Matter Integrity in Antisocial Personality Disorder: A Diffusion Tensor Imaging Study. <i>Scientific Reports</i> , 2017 , 7, 43002 | 4.9 | 26 |
| 329 | High-resolution 3D MR Fingerprinting using parallel imaging and deep learning. <i>NeuroImage</i> , 2020 , 206, 116329 | 7.9 | 26 |
| 328 | 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 |

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| 327 | 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 |
| 326 | Predict brain MR image registration via sparse learning of appearance and transformation. <i>Medical Image Analysis</i> , 2015 , 20, 61-75 | 15.4 | 25 |
| 325 | 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 |
| 324 | 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 |
| 323 | 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 |
| 322 | Automatic labeling of MR brain images by hierarchical learning of atlas forests. <i>Medical Physics</i> , 2016 , 43, 1175-86 | 4.4 | 24 |
| 321 | Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. <i>Neuroinformatics</i> , 2017 , 15, 271-284 | 3.2 | 23 |
| 320 | 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 |
| 319 | Robust multi-atlas label propagation by deep sparse representation. <i>Pattern Recognition</i> , 2017 , 63, 511-517 | 5.17 | 23 |
| 318 | 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 |
| 317 | Spherical U-Net on Cortical Surfaces: Methods and Applications. <i>Lecture Notes in Computer Science</i> , 2019 , 11492, 855-866 | 0.9 | 22 |
| 316 | 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 |
| 315 | 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 |
| 314 | 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 |
| 313 | 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 |
| 312 | 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 |
| 311 | Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 30 | 3.9 | 20 |
| 310 | 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 |

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| 309 | Multi-View Missing Data Completion. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1296-1309 | 4.2 | 20 |
| 308 | 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 |
| 307 | 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 |
| 306 | 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 |
| 305 | Interactive prostate segmentation using atlas-guided semi-supervised learning and adaptive feature selection. <i>Medical Physics</i> , 2014 , 41, 111715 | 4.4 | 20 |
| 304 | 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 |
| 303 | 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 |
| 302 | 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 |
| 301 | 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 |
| 300 | 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 |
| 299 | 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 |
| 298 | Early Diagnosis of Autism Disease by Multi-channel CNNs. <i>Lecture Notes in Computer Science</i> , 2018 , 11046, 303-309 | 0.9 | 19 |
| 297 | A toolbox for brain network construction and classification (BrainNetClass). <i>Human Brain Mapping</i> , 2020 , 41, 2808-2826 | 5.9 | 18 |
| 296 | Learning-Based Multimodal Image Registration for Prostate Cancer Radiation Therapy. <i>Lecture Notes in Computer Science</i> , 2016 , 9902, 1-9 | 0.9 | 18 |
| 295 | A transversal approach for patch-based label fusion via matrix completion. <i>Medical Image Analysis</i> , 2015 , 24, 135-148 | 15.4 | 18 |
| 294 | Domain-invariant interpretable fundus image quality assessment. <i>Medical Image Analysis</i> , 2020 , 61, 1016-1034 | 5.4 | 17 |
| 293 | Gyral net: A new representation of cortical folding organization. <i>Medical Image Analysis</i> , 2017 , 42, 14-25 | 15.4 | 17 |
| 292 | 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 |

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|-----|---|------|----|
| 291 | Multi-task linear programming discriminant analysis for the identification of progressive MCI individuals. <i>PLoS ONE</i> , 2014 , 9, e96458 | 3.7 | 17 |
| 290 | 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 |
| 289 | Medical Image Synthesis via Deep Learning. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1213, 23-44 | 3.6 | 17 |
| 288 | Mapping hemispheric asymmetries of the macaque cerebral cortex during early brain development. <i>Human Brain Mapping</i> , 2020 , 41, 95-106 | 5.9 | 17 |
| 287 | Robust brain ROI segmentation by deformation regression and deformable shape model. <i>Medical Image Analysis</i> , 2018 , 43, 198-213 | 15.4 | 17 |
| 286 | 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 |
| 285 | 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 |
| 284 | 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 |
| 283 | 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 |
| 282 | 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 |
| 281 | 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 |
| 280 | Learning-based structurally-guided construction of resting-state functional correlation tensors. <i>Magnetic Resonance Imaging</i> , 2017 , 43, 110-121 | 3.3 | 16 |
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| 120 | GROUPWISE REGISTRATION OF BREAST DCE-MR IMAGES FOR ACCURATE TUMOR MEASUREMENT 2011 , 2011, 598-601 | 1.5 | 3 |
| 119 | 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 |
| 118 | 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 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | Diffusion Compartmentalization Using Response Function Groups with Cardinality Penalization. <i>Lecture Notes in Computer Science</i> , 2015 , 9349, 183-190 | 0.9 | 3 |
| 113 | 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 |
| 112 | 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 |

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| 111 | Multi-source Information Gain for Random Forest: An Application to CT Image Prediction from MRI Data. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 321-329 | 0.9 | 3 |
| 110 | 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 |
| 109 | A generative model for resolution enhancement of diffusion MRI data. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 527-34 | 0.9 | 3 |
| 108 | Topography-Based Registration of Developing Cortical Surfaces in Infants Using Multidirectional Varifold Representation. <i>Lecture Notes in Computer Science</i> , 2015 , 9350, 230-237 | 0.9 | 3 |
| 107 | New Multi-task Learning Model to Predict Alzheimer's Disease Cognitive Assessment. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 317-325 | 0.9 | 3 |
| 106 | Multi-Atlas Based Segmentation of Brainstem Nuclei from MR Images by Deep Hyper-Graph Learning. <i>Lecture Notes in Computer Science</i> , 2016 , 9993, 51-59 | 0.9 | 3 |
| 105 | Minimizing joint risk of mislabeling for iterative Patch-based label fusion. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 551-8 | 0.9 | 3 |
| 104 | Regularized spherical polar fourier diffusion MRI with optimal dictionary learning. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 639-46 | 0.9 | 3 |
| 103 | Embarrassingly Parallel Acceleration of Global Tractography via Dynamic Domain Partitioning. <i>Frontiers in Neuroinformatics</i> , 2016 , 10, 25 | 3.9 | 3 |
| 102 | Difficulty-aware hierarchical convolutional neural networks for deformable registration of brain MR images. <i>Medical Image Analysis</i> , 2021 , 67, 101817 | 15.4 | 3 |
| 101 | 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 |
| 100 | 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 |
| 99 | A PRELIMINARY VOLUMETRIC MRI STUDY OF AMYGDALA AND HIPPOCAMPAL SUBFIELDS IN AUTISM DURING INFANCY 2019 , 2019, 1052-1056 | 1.5 | 2 |
| 98 | Joint Labeling Of Multiple Regions of Interest (Rois) By Enhanced Auto Context Models 2015 , 2015, 1560-1563 | 1.5 | 2 |
| 97 | Automatic Data Augmentation Via Deep Reinforcement Learning for Effective Kidney Tumor Segmentation 2020 , | | 2 |
| 96 | 7T-Guided Learning Framework for Improving the Segmentation of 3T MR Images. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 572-580 | 0.9 | 2 |
| 95 | Learning-Based 3T Brain MRI Segmentation with Guidance from 7T MRI Labeling. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 213-220 | 0.9 | 2 |
| 94 | 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 |

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| 93 | CONSTRUCTION OF 4D NEONATAL CORTICAL SURFACE ATLASES USING WASSERSTEIN DISTANCE 2019 , 2019, 995-998 | 1.5 | 2 |
| 92 | Multimodal Hyper-connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 433-441 | 0.9 | 2 |
| 91 | A Novel Framework for Groupwise Registration of fMRI Images based on Common Functional Networks 2017 , 2017, 485-489 | 1.5 | 2 |
| 90 | INFERRING FUNCTIONAL NETWORK-BASED SIGNATURES VIA STRUCTURALLY-WEIGHTED LASSO MODEL 2013 , 2013, 970-973 | 1.5 | 2 |
| 89 | LONGITUDINAL MULTI-SCALE MAPPING OF INFANT CORTICAL FOLDING USING SPHERICAL WAVELETS 2017 , 2017, 93-96 | 1.5 | 2 |
| 88 | End-to-End Dementia Status Prediction from Brain MRI Using Multi-task Weakly-Supervised Attention Network 2019 , 11767, 158-167 | | 2 |
| 87 | Altered Connectedness of the Brain Chronnectome During the Progression to Alzheimer's Disease. <i>Neuroinformatics</i> , 2021 , 1 | 3.2 | 2 |
| 86 | 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 |
| 85 | 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 |
| 84 | 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 |
| 83 | 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 |
| 82 | Disentangled Intensive Triplet Autoencoder for Infant Functional Connectome Fingerprinting. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 72-82 | 0.9 | 2 |
| 81 | Unsupervised Learning for Spherical Surface Registration. <i>Lecture Notes in Computer Science</i> , 2020 , 12436, 373-383 | 0.9 | 2 |
| 80 | 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 |
| 79 | Space-Frequency Detail-Preserving Construction of Neonatal Brain Atlases. <i>Lecture Notes in Computer Science</i> , 2015 , 9350, 255-262 | 0.9 | 2 |
| 78 | Block-Based Statistics for Robust Non-parametric Morphometry. <i>Lecture Notes in Computer Science</i> , 2015 , 9467, 62-70 | 0.9 | 2 |
| 77 | Angular Resolution Enhancement of Diffusion MRI Data Using Inter-Subject Information Transfer. <i>Mathematics and Visualization</i> , 2016 , 2016, 145-157 | 0.6 | 2 |
| 76 | 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 |

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| 75 | Automatic Hippocampal Subfield Segmentation from 3T Multi-modality Images. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 229-236 | 0.9 | 2 |
| 74 | 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 |
| 73 | Efficient Groupwise Registration for Brain MRI by Fast Initialization. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 150-158 | 0.9 | 2 |
| 72 | A Point Says a Lot: An Interactive Segmentation Method for MR Prostate via One-Point Labeling. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 220-228 | 0.9 | 2 |
| 71 | Novel Effective Connectivity Network Inference for MCI Identification. <i>Lecture Notes in Computer Science</i> , 2017 , 2017, 316-324 | 0.9 | 2 |
| 70 | Image Super-Resolution by Supervised Adaption of Patchwise Self-similarity from High-Resolution Image. <i>Lecture Notes in Computer Science</i> , 2015 , 9467, 10-18 | 0.9 | 2 |
| 69 | Improving Functional MRI Registration Using Whole-Brain Functional Correlation Tensors. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 416-423 | 0.9 | 2 |
| 68 | Structural Connectivity Guided Sparse Effective Connectivity for MCI Identification. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 299-306 | 0.9 | 2 |
| 67 | 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 |
| 66 | Learning MRI artefact removal with unpaired data. <i>Nature Machine Intelligence</i> , 2021 , 3, 60-67 | 22.5 | 2 |
| 65 | Temporal Correlation Structure Learning for MCI Conversion Prediction. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 446-454 | 0.9 | 2 |
| 64 | 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 |
| 63 | ESTIMATION OF SHAPE AND GROWTH BRAIN NETWORK ATLASES FOR CONNECTOMIC BRAIN MAPPING IN DEVELOPING INFANTS 2018 , 2018, 985-989 | 1.5 | 2 |
| 62 | FETAL CORTICAL PARCELLATION BASED ON GROWTH PATTERNS 2018 , 2018, 696-699 | 1.5 | 2 |
| 61 | INFANT BRAIN DEVELOPMENT PREDICTION WITH LATENT PARTIAL MULTI-VIEW REPRESENTATION LEARNING 2018 , 2018, 1048-1051 | 1.5 | 2 |
| 60 | ABCnet: Adversarial bias correction network for infant brain MR images. <i>Medical Image Analysis</i> , 2021 , 72, 102133 | 15.4 | 2 |
| 59 | CORTICAL FOLDINGPRINTS FOR INFANT IDENTIFICATION 2019 , 2019, 396-399 | 1.5 | 1 |
| 58 | Hierarchical Representation For Ct Prostate Segmentation 2019 , | | 1 |

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| 57 | Fast Groupwise Registration Using Multi-Level and Multi-Resolution Graph Shrinkage. <i>Scientific Reports</i> , 2019 , 9, 12703 | 4.9 | 1 |
| 56 | Multi-atlas Based Segmentation Editing with Interaction-Guided Constraints. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 198-206 | 0.9 | 1 |
| 55 | Learning Pairwise-Similarity Guided Sparse Functional Connectivity Network for MCI Classification 2018 , 2017, 917-922 | | 1 |
| 54 | A dynamic tree-based registration could handle possible large deformations among MR brain images. <i>Computerized Medical Imaging and Graphics</i> , 2016 , 52, 1-7 | 7.6 | 1 |
| 53 | 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 |
| 52 | 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 |
| 51 | Longitudinal multi-scale mapping of infant cortical folding using spherical wavelets 2017 , | | 1 |
| 50 | 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 |
| 49 | Correction to Learning to Rank Atlases for Multiple-Atlas Segmentation[Oct 14 1939-1953]. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 2210-2210 | 11.7 | 1 |
| 48 | Detection and analysis of T2DM biomarkers from brain MR images using BrainLab 2014 , | | 1 |
| 47 | TAILOR THE LONGITUDINAL ANALYSIS FOR NIH LONGITUDINAL NORMAL BRAIN DEVELOPMENTAL STUDY 2014 , 2014, 1206-1209 | 1.5 | 1 |
| 46 | Consistent 4D Brain Extraction of Serial Brain MR Images. <i>Proceedings of SPIE</i> , 2013 , 8669, | 1.7 | 1 |
| 45 | Cerebellum Tissue Segmentation with Ensemble Sparse Learning 2017 , 25, | 0 | 1 |
| 44 | Regularized Modal Regression with Applications in Cognitive Impairment Prediction. <i>Advances in Neural Information Processing Systems</i> , 2017 , 30, 1448-1458 | 2.2 | 1 |
| 43 | Automatic Segmentation of 3D Perivascular Spaces in 7T MR Images Using Multi-Channel Fully Convolutional Network 2018 , 2018, | 0 | 1 |
| 42 | Non-rigid Brain MRI Registration Using Two-stage Deep Perceptive Networks 2018 , 2018, | 0 | 1 |
| 41 | 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 |
| 40 | 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 |

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| 39 | Deep Disentangled Hashing with Momentum Triplets for Neuroimage Search. <i>Lecture Notes in Computer Science</i> , 2020 , 12261, 191-201 | 0.9 | 1 |
| 38 | Construction of Spatiotemporal Infant Cortical Surface Functional Templates. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 238-248 | 0.9 | 1 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | Soft-Split Random Forest for Anatomy Labeling. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 17-25 | 0.9 | 1 |
| 33 | Tensorial Spherical Polar Fourier Diffusion MRI with Optimal Dictionary Learning. <i>Lecture Notes in Computer Science</i> , 2015 , 9349, 174-182 | 0.9 | 1 |
| 32 | Isointense Infant Brain Segmentation by Stacked Kernel Canonical Correlation Analysis. <i>Lecture Notes in Computer Science</i> , 2015 , 9467, 28-36 | 0.9 | 1 |
| 31 | Developmental Patterns Based Individualized Parcellation of Infant Cortical Surface. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 66-74 | 0.9 | 1 |
| 30 | Predictive models of resting state networks for assessment of altered functional connectivity in MCI. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 674-81 | 0.9 | 1 |
| 29 | 6-MONTH INFANT BRAIN MRI SEGMENTATION GUIDED BY 24-MONTH DATA USING CYCLE-CONSISTENT ADVERSARIAL NETWORKS 2020 , 2020, | 1.5 | 1 |
| 28 | 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 |
| 27 | Dynamic neural circuit disruptions associated with antisocial behaviors. <i>Human Brain Mapping</i> , 2021 , 42, 329-344 | 5.9 | 1 |
| 26 | A Self-Supervised Deep Framework for Reference Bony Shape Estimation in Orthognathic Surgical Planning.. <i>Lecture Notes in Computer Science</i> , 2021 , 12904, 469-477 | 0.9 | 1 |
| 25 | 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 |
| 24 | Joint Robust Imputation and Classification for Early Dementia Detection Using Incomplete Multi-modality Data. <i>Lecture Notes in Computer Science</i> , 2018 , 11121, 51-59 | 0.9 | 1 |
| 23 | Unsupervised learning of reference bony shapes for orthognathic surgical planning with a surface deformation network. <i>Medical Physics</i> , 2021 , 48, 7735 | 4.4 | 1 |
| 22 | 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 |

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| 21 | Fusion of High-Order and Low-Order Effective Connectivity Networks for MCI Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 2017, 307-315 | 0.9 | o |
| 20 | Accelerating Global Tractography Using Parallel Markov Chain Monte Carlo. <i>Mathematics and Visualization</i> , 2016 , 2016, 121-130 | 0.6 | o |
| 19 | Group sparse reduced rank regression for neuroimaging genetic study. <i>World Wide Web</i> , 2019 , 22, 673-688 | 0.8 | o |
| 18 | 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 | o |
| 17 | Skull Segmentation from CBCT Images via Voxel-Based Rendering.. <i>Lecture Notes in Computer Science</i> , 2021 , 12966, 615-623 | 0.9 | o |
| 16 | CHARTING DEVELOPMENT-BASED JOINT PARCELLATION MAPS OF HUMAN AND MACAQUE BRAINS DURING INFANCY 2019 , 2019, 422-425 | 1.5 | |
| 15 | Meta-Network Analysis of Structural Correlation Networks Provides Insights Into Brain Network Development. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 93 | 3.3 | |
| 14 | 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 | |
| 13 | INTER-GROUP IMAGE REGISTRATION BY HIERARCHICAL GRAPH SHRINKAGE 2013 , 2013, 1030-1033 | 1.5 | |
| 12 | 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 | |
| 11 | Non-local Atlas-guided Multi-channel Forest Learning for Human Brain Labeling. <i>Lecture Notes in Computer Science</i> , 2015 , 9351, 719-726 | 0.9 | |
| 10 | Hierarchical Multi-modal Image Registration by Learning Common Feature Representations. <i>Lecture Notes in Computer Science</i> , 2015 , 9352, 203-211 | 0.9 | |
| 9 | Regression Guided Deformable Models for Segmentation of Multiple Brain ROIs. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 237-245 | 0.9 | |
| 8 | Automatic Cystocele Severity Grading in Ultrasound by Spatio-Temporal Regression. <i>Lecture Notes in Computer Science</i> , 2016 , 9901, 247-255 | 0.9 | |
| 7 | Dual-Layer Groupwise Registration for Consistent Labeling of Longitudinal Brain Images. <i>Lecture Notes in Computer Science</i> , 2016 , 10019, 69-76 | 0.9 | |
| 6 | Learning-Based Estimation of Functional Correlation Tensors in White Matter for Early Diagnosis of Mild Cognitive Impairment. <i>Lecture Notes in Computer Science</i> , 2017 , 10530, 65-73 | 0.9 | |
| 5 | Sparse Multi-view Task-Centralized Learning for ASD Diagnosis. <i>Lecture Notes in Computer Science</i> , 2017 , 10541, 159-167 | 0.9 | |
| 4 | Harnessing group-sparsity regularization for resolution enhancement of lung 4D-CT. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 139-46 | 0.9 | |

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| 3 | Prostate deformation from inflatable rectal probe cover and dosimetric effects in prostate seed implant brachytherapy. <i>Medical Physics</i> , 2016 , 43, 6569 | 4.4 |
| 2 | 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 |
| 1 | A COMPUTATIONAL METHOD FOR LONGITUDINAL MAPPING OF ORIENTATION-SPECIFIC EXPANSION OF CORTICAL SURFACE AREA IN INFANTS 2018 , 2018, 683-686 | 1.5 |