## Feng Shi

# List of Publications by Year in Descending Order

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

137<br/>papers7,238<br/>citations45<br/>h-index83<br/>g-index143<br/>ext. papers8,880<br/>ext. citations5.1<br/>avg, IF6.3<br/>L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 137 | 6G and Artificial Intelligence Technologies for Dementia Care: Literature Review and Practical Analysis <i>Journal of Medical Internet Research</i> , <b>2022</b> , 24, e30503   | 7.6  | 1         |
| 136 | Semi-Supervised Deep Transfer Learning for Benign-Malignant Diagnosis of Pulmonary Nodules in Chest CT Images. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , PP,   | 11.7 | 5         |
| 135 | GACDN: generative adversarial feature completion and diagnosis network for COVID-19. <i>BMC Medical Imaging</i> , <b>2021</b> , 21, 154  | 2.9  | O         |
| 134 | Large-scale screening of COVID-19 from community acquired pneumonia using infection size-aware classification. <i>Physics in Medicine and Biology</i> , <b>2021</b> ,  | 3.8  | 111       |
| 133 | Low NLRP3 expression predicts a better prognosis of colorectal cancer. <i>Bioscience Reports</i> , <b>2021</b> , 41,   | 4.1  | 8         |
| 132 | White matter microstructural and Compulsive Sexual Behaviors Disorder - Diffusion Tensor Imaging study. <i>Journal of Behavioral Addictions</i> , <b>2021</b> , 10, 55-64  | 6.3  | 2         |
| 131 | Addressing Biodisaster X Threats With Artificial Intelligence and 6G Technologies: Literature Review and Critical Insights. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e26109   | 7.6  | 4         |
| 130 | Synergistic learning of lung lobe segmentation and hierarchical multi-instance classification for automated severity assessment of COVID-19 in CT images. <i>Pattern Recognition</i> , <b>2021</b> , 113, 107828   | 7.7  | 36        |
| 129 | Review of Artificial Intelligence Techniques in Imaging Data Acquisition, Segmentation, and Diagnosis for COVID-19. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , 14, 4-15   | 6.4  | 520       |
| 128 | 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        |
| 127 | Hypergraph learning for identification of COVID-19 with CT imaging. <i>Medical Image Analysis</i> , <b>2021</b> , 68, 101910   | 15.4 | 22        |
| 126 | Task-induced Pyramid and Attention GAN for Multimodal Brain Image Imputation and Classification in Alzheimers disease. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , PP,  | 7.2  | 7         |
| 125 | Diagnosis of Hippocampal Sclerosis from Clinical Routine Head MR Images Using Structure-constrained Super-Resolution Network. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 258-266   | 0.9  | O         |
| 124 | Severity assessment of COVID-19 using CT image features and laboratory indices. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 035015  | 3.8  | 38        |
| 123 | Stent placement combined with intraluminal radiofrequency ablation and hepatic arterial infusion chemotherapy for advanced biliary tract cancers with biliary obstruction: a multicentre, retrospective, controlled study. <i>European Radiology</i> , <b>2021</b> , 31, 5851-5862 | 8    | 1         |
| 122 | Cross-Site Severity Assessment of COVID-19 from CT Images via Domain Adaptation. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , PP,   | 11.7 | 5         |
| 121 | Diagnosis of Coronavirus Disease 2019 (COVID-19) With Structured Latent Multi-View Representation Learning. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2606-2614  | 11.7 | 125       |

#### (2018-2020)

| 120 | Percutaneous endobiliary radiofrequency ablation and stents in management of hepatocellular carcinoma with bile duct tumor thrombus: Initial single-institution experience. <i>Asia-Pacific Journal of Clinical Oncology</i> , <b>2020</b> , 16, 259-265 | 1.9  | 1   |
|-----|--|------|-----|
| 119 | The delineation of largely deformed brain midline using regression-based line detection network. <i>Medical Physics</i> , <b>2020</b> , 47, 5531-5542  | 4.4  | 2   |
| 118 | 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  |
| 117 | Dual-Sampling Attention Network for Diagnosis of COVID-19 From Community Acquired Pneumonia. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2595-2605   | 11.7 | 161 |
| 116 | Two-Stage Mapping-Segmentation Framework for Delineating COVID-19 Infections from Heterogeneous CT Images. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 3-13   | 0.9  | 1   |
| 115 | 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  |
| 114 | Modeling essential connections in obsessive-compulsive disorder patients using functional MRI. <i>Brain and Behavior</i> , <b>2020</b> , 10, e01499  | 3.4  | 5   |
| 113 | Adaptive Feature Selection Guided Deep Forest for COVID-19 Classification With Chest CT. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 2798-2805  | 7.2  | 80  |
| 112 | Intracranial Vessel Wall Segmentation Using Convolutional Neural Networks. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 2840-2847  | 5    | 17  |
| 111 | Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. <i>Frontiers in Neuroinformatics</i> , <b>2019</b> , 13, 30  | 3.9  | 20  |
| 110 | Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , <b>2019</b> , 185, 906-925  | 7.9  | 82  |
| 109 | Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 662-674  | 10.2 | 20  |
| 108 | Alterations in Normal Aging Revealed by Cortical Brain Network Constructed Using IBASPM. <i>Brain Topography</i> , <b>2018</b> , 31, 577-590   | 4.3  | 4   |
| 107 | Functional Brain Parcellations of the Infant Brain and the Associated Developmental Trends. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 1358-1368   | 5.1  | 26  |
| 106 | Effects of Career Duration, Concussion History, and Playing Position on White Matter Microstructure and Functional Neural Recruitment in Former College and Professional Football Athletes. <i>Radiology</i> , <b>2018</b> , 286, 967-977                | 20.5 | 24  |
| 105 | Segmenting hippocampal subfields from 3T MRI with multi-modality images. <i>Medical Image Analysis</i> , <b>2018</b> , 43, 10-22   | 15.4 | 11  |
| 104 | Alterations of Graphic Properties and Related Cognitive Functioning Changes in Mild Alzheimerld Disease Revealed by Individual Morphological Brain Network. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 927                                     | 5.1  | 7   |
| 103 | Efficient and Accurate MRI Super-Resolution Using a Generative Adversarial Network and 3D Multi-level Densely Connected Network. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 91-99  | 0.9  | 87  |

| 102 | Multi-modal Neuroimaging Data Fusion via Latent Space Learning for Alzheimer Disease Diagnosis. Lecture Notes in Computer Science, 2018, 11121, 76-84   | 0.9 | 6  |
|-----|---|-----|----|
| 101 | Brain MRI super resolution using 3D deep densely connected neural networks <b>2018</b> ,  |     | 86 |
| 100 | Real-time strategy video game experience and structural connectivity - A diffusion tensor imaging study. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 3742-3758                                       | 5.9 | 14 |
| 99  | Semisupervised Tripled Dictionary Learning for Standard-Dose PET Image Prediction Using Low-Dose PET and Multimodal MRI. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2017</b> , 64, 569-579 | 5   | 49 |
| 98  | 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 |
| 97  | 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 |
| 96  | 7T-guided super-resolution of 3T MRI. <i>Medical Physics</i> , <b>2017</b> , 44, 1661-1677  | 4.4 | 28 |
| 95  | Spatio-angular consistent construction of neonatal diffusion MRI atlases. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 3175-3189  | 5.9 | 8  |
| 94  | miR-93 and PTEN: Key regulators of doxorubicin-resistance and EMT in breast cancer. <i>Oncology Reports</i> , <b>2017</b> , 38, 2401-2407   | 3.5 | 24 |
| 93  | 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 |
| 92  | Automated Segmentation of Light-Sheet Fluorescent Imaging to Characterize Experimental Doxorubicin-Induced Cardiac Injury and Repair. <i>Scientific Reports</i> , <b>2017</b> , 7, 8603                 | 4.9 | 24 |
| 91  | Disrupted functional connectome in antisocial personality disorder. <i>Brain Imaging and Behavior</i> , <b>2017</b> , 11, 1071-1084   | 4.1 | 11 |
| 90  | 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 |
| 89  | Construction of Individual Morphological Brain Networks with Multiple Morphometric Features. <i>Frontiers in Neuroanatomy</i> , <b>2017</b> , 11, 34  | 3.6 | 23 |
| 88  | 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  |
| 87  | 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 |
| 86  | 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  |
| 85  | Joint feature-sample selection and robust diagnosis of Parkinson <b>u</b> disease from MRI data.  Neurolmage, <b>2016</b> , 141, 206-219  | 7.9 | 57 |

#### (2015-2016)

| 84                   | Predicting standard-dose PET image from low-dose PET and multimodal MR images using mapping-based sparse representation. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 791-812  | 3.8               | 44              |
|----------------------|--|-------------------|-----------------|
| 83                   | Automated segmentation of dental CBCT image with prior-guided sequential random forests. <i>Medical Physics</i> , <b>2016</b> , 43, 336  | 4.4               | 33              |
| 82                   | Construction of Neonatal Diffusion Atlases via Spatio-Angular Consistency. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9993, 9-16   | 0.9               | 3               |
| 81                   | 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               |
| 80                   | Multilevel Deficiency of White Matter Connectivity Networks in Alzheimer Disease: A Diffusion MRI Study with DTI and HARDI Models. <i>Neural Plasticity</i> , <b>2016</b> , 2016, 2947136  | 3.3               | 19              |
| 79                   | Abnormal Changes of Brain Cortical Anatomy and the Association with Plasma MicroRNA107 Level in Amnestic Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 112  | 5.3               | 10              |
| 78                   | Consistent Spatial-Temporal Longitudinal Atlas Construction for Developing Infant Brains. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 2568-2577  | 11.7              | 27              |
| 77                   | 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              |
| 76                   | Topographical Information-Based High-Order Functional Connectivity and Its Application in Abnormality Detection for Mild Cognitive Impairment. <i>Journal of Alzheimerts Disease</i> , <b>2016</b> , 54, 1095-11   | 123               | 70              |
| 75                   | Learning-based 3T brain MRI segmentation with guidance from 7T MRI labeling. <i>Medical Physics</i> , <b>2016</b> , 43, 6588   | 4.4               | 4               |
| 74                   | Reconstruction of 7T-Like Images From 3T MRI. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 2085-97  | 11.7              | 52              |
|                      |  |                   |                 |
| 73                   | Multi-Level Canonical Correlation Analysis for Standard-Dose PET Image Estimation. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 3303-3315  | 8.7               | 32              |
| 73<br>72             |  | 8. <sub>7</sub>   | 32<br>16        |
|                      | Transactions on Image Processing, 2016, 25, 3303-3315  Reduced cortical thickness and increased surface area in antisocial personality disorder.   |                   |                 |
| 72                   | Transactions on Image Processing, 2016, 25, 3303-3315  Reduced cortical thickness and increased surface area in antisocial personality disorder.  Neuroscience, 2016, 337, 143-152  Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. Cerebral   | 3.9               | 16              |
| 72<br>71             | Transactions on Image Processing, 2016, 25, 3303-3315  Reduced cortical thickness and increased surface area in antisocial personality disorder.  Neuroscience, 2016, 337, 143-152  Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. Cerebral Cortex, 2015, 25, 2204-12  Identification of infants at high-risk for autism spectrum disorder using multiparameter multiscale  | 3.9               | 16              |
| 7 <sup>2</sup> 71 70 | Reduced cortical thickness and increased surface area in antisocial personality disorder.  Neuroscience, 2016, 337, 143-152  Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. Cerebral Cortex, 2015, 25, 2204-12  Identification of infants at high-risk for autism spectrum disorder using multiparameter multiscale white matter connectivity networks. Human Brain Mapping, 2015, 36, 4880-96  LRTV: MR Image Super-Resolution With Low-Rank and Total Variation Regularizations. IEEE | 3.9<br>5.1<br>5.9 | 16<br>200<br>58 |

| 66 | 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 |
|----|--|------|-----|
| 65 | Surface vulnerability of cerebral cortex to major depressive disorder. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120704  | 3.7  | 52  |
| 64 | Prophylactic effect of somatostatin in preventing Post-ERCP pancreatitis: an updated meta-analysis. <i>Saudi Journal of Gastroenterology</i> , <b>2015</b> , 21, 372-8           | 3    | 14  |
| 63 | 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   |
| 62 | 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  |
| 61 | 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   |
| 60 | 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   |
| 59 | Longitudinal Guided Super-Resolution Reconstruction of Neonatal Brain MR Images. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 8682, 67-76                            | 0.9  | 4   |
| 58 | 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   |
| 57 | Segmentation of neonatal brain MR images using patch-driven level sets. <i>NeuroImage</i> , <b>2014</b> , 84, 141-58   | 7.9  | 136 |
| 56 | 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  |
| 55 | 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  |
| 54 | Integration of sparse multi-modality representation and anatomical constraint for isointense infant brain MR image segmentation. <i>NeuroImage</i> , <b>2014</b> , 89, 152-64    | 7.9  | 80  |
| 53 | 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  |
| 52 | Mapping longitudinal hemispheric structural asymmetries of the human cerebral cortex from birth to 2 years of age. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 1289-300           | 5.1  | 96  |
| 51 | 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  |
| 50 | Longitudinal development of cortical thickness, folding, and fiber density networks in the first 2 years of life. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 3726-37         | 5.9  | 39  |
| 49 | Neonatal atlas construction using sparse representation. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 4663-77  | 5.9  | 32  |

### (2013-2014)

| 48 | Mapping longitudinal development of local cortical gyrification in infants from birth to 2 years of age. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 4228-38           | 6.6             | 164 |
|----|---|-----------------|-----|
| 47 | Measuring the dynamic longitudinal cortex development in infants by reconstruction of temporally consistent cortical surfaces. <i>Neurolmage</i> , <b>2014</b> , 90, 266-79   | 7.9             | 92  |
| 46 | 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  |
| 45 | 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  |
| 44 | Constructing 4D infant cortical surface atlases based on dynamic developmental trajectories of the cortex. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 17, 89-96 | 0.9             | 14  |
| 43 | LINKS: Learning-Based Multi-source IntegratioN FrameworK for Segmentation of Infant Brain Images. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 22-33              | 0.9             | 3   |
| 42 | Longitudinally guided level sets for consistent tissue segmentation of neonates. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 956-72  | 5.9             | 61  |
| 41 | iBEAT: A toolbox for infant brain magnetic resonance image processing. <i>Neuroinformatics</i> , <b>2013</b> , 11, 211  | I <i>-</i> 32.5 | 62  |
| 40 | Mapping region-specific longitudinal cortical surface expansion from birth to 2 years of age. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 2724-33                              | 5.1             | 155 |
| 39 | Measuring longitudinally dynamic cortex development in infants by reconstruction of consistent cortical surfaces <b>2013</b> ,  |                 | 1   |
| 38 | Patch-driven neonatal brain MRI segmentation with sparse representation and level sets 2013,  |                 | 1   |
| 37 | aBEAT: a toolbox for consistent analysis of longitudinal adult brain MRI. <i>PLoS ONE</i> , <b>2013</b> , 8, e60344   | 3.7             | 7   |
| 36 | 4D segmentation of brain MR images with constrained cortical thickness variation. <i>PLoS ONE</i> , <b>2013</b> , 8, e64207   | 3.7             | 18  |
| 35 | Family poverty affects the rate of human infant brain growth. PLoS ONE, 2013, 8, e80954   | 3.7             | 262 |
| 34 | Altered modular organization of structural cortical networks in children with autism. <i>PLoS ONE</i> , <b>2013</b> , 8, e63131   | 3.7             | 37  |
| 33 | 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  |
| 32 | Low-rank total variation for image super-resolution. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 16, 155-62  | 20.9            | 13  |
| 31 | 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   |

| 30 | 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   |
|----|--|-----|-----|
| 29 | Discriminant analysis of longitudinal cortical thickness changes in Alzheimer disease using dynamic and network features. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 427.e15-30              | 5.6 | 137 |
| 28 | Altered structural connectivity in neonates at genetic risk for schizophrenia: a combined study using morphological and white matter networks. <i>NeuroImage</i> , <b>2012</b> , 62, 1622-33       | 7.9 | 98  |
| 27 | LABEL: pediatric brain extraction using learning-based meta-algorithm. <i>NeuroImage</i> , <b>2012</b> , 62, 1975-86   | 7.9 | 136 |
| 26 | 4D multi-modality tissue segmentation of serial infant images. <i>PLoS ONE</i> , <b>2012</b> , 7, e44596   | 3.7 | 55  |
| 25 | Longitudinal development of cortical and subcortical gray matter from birth to 2 years. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 2478-85   | 5.1 | 311 |
| 24 | Atlas construction via dictionary learning and group sparsity. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 15, 247-55   | 0.9 | 4   |
| 23 | 4D Segmentation of Longitudinal Brain MR Images with Consistent Cortical Thickness Measurement. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 63-75                                     | 0.9 | 2   |
| 22 | Sex differences in grey matter atrophy patterns among AD and aMCI patients: results from ADNI. <i>NeuroImage</i> , <b>2011</b> , 56, 890-906   | 7.9 | 62  |
| 21 | Automatic segmentation of neonatal images using convex optimization and coupled level sets. <i>NeuroImage</i> , <b>2011</b> , 58, 805-17   | 7.9 | 102 |
| 20 | Brain anatomical networks in early human brain development. <i>NeuroImage</i> , <b>2011</b> , 54, 1862-71  | 7.9 | 159 |
| 19 | CENTS: cortical enhanced neonatal tissue segmentation. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 382-96   | 5.9 | 34  |
| 18 | PD-1 and PD-L1 upregulation promotes CD8(+) T-cell apoptosis and postoperative recurrence in hepatocellular carcinoma patients. <i>International Journal of Cancer</i> , <b>2011</b> , 128, 887-96 | 7.5 | 299 |
| 17 | Infant brain atlases from neonates to 1- and 2-year-olds. <i>PLoS ONE</i> , <b>2011</b> , 6, e18746  | 3.7 | 328 |
| 16 | Learning-based meta-algorithm for MRI brain extraction. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14, 313-21  | 0.9 | 12  |
| 15 | Accurate and Consistent 4D Segmentation of Serial Infant Brain MR Images. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 93-101  | 0.9 | 3   |
| 14 | NEONATAL BRAIN MRI SEGMENTATION BY BUILDING MULTI-REGION-MULTI-REFERENCE ATLASES <b>2010</b> , 2010, 964-967   | 1.5 |     |
| 13 | Construction of multi-region-multi-reference atlases for neonatal brain MRI segmentation. <i>NeuroImage</i> , <b>2010</b> , 51, 684-93   | 7.9 | 84  |

#### LIST OF PUBLICATIONS

| 12 | Neonatal brain image segmentation in longitudinal MRI studies. <i>NeuroImage</i> , <b>2010</b> , 49, 391-400   | 7.9 | 155 |
|----|--|-----|-----|
| 11 | Spatial-Temporal Constraint for Segmentation of Serial Infant Brain MR Images. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 42-50  | 0.9 | 6   |
| 10 | Consistent 4D cortical thickness measurement for longitudinal neuroimaging study. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 13, 133-42  | 0.9 | 11  |
| 9  | Automatic Segmentation of Neonatal Images Using Convex Optimization and Coupled Level Set Method. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 1-10  | 0.9 | 1   |
| 8  | Thick visual cortex in the early blind. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 2205-11   | 6.6 | 146 |
| 7  | Brain Tissue Segmentation of Neonatal MR Images Using a Longitudinal Subject-specific Probabilistic Atlas. <i>Proceedings of SPIE</i> , <b>2009</b> , 7259,  | 1.7 | 5   |
| 6  | Hippocampal volume and asymmetry in mild cognitive impairment and Alzheimer disease: Meta-analyses of MRI studies. <i>Hippocampus</i> , <b>2009</b> , 19, 1055-64  | 3.5 | 310 |
| 5  | Cortical Enhanced Tissue Segmentation of Neonatal Brain MR Images Acquired by a Dedicated Phased Array Coil. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , <b>2009</b> , 2009, 39-45 | 6   | 1   |
| 4  | Insights into the sequence of structural consequences of convulsive status epilepticus: a longitudinal MRI study. <i>Epilepsia</i> , <b>2008</b> , 49, 1941-5  | 6.4 | 16  |
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