Weili Lin

List of Publications by Year in Descending Order

265 papers	10,093 citations	51 h-index	94 g-index
285 ext. papers	11,987 ext. citations	5.1 avg, IF	6.28 L-index

#	Paper	IF	Citations
265	Detection of Azoxystrobin Fungicide and Metabolite Azoxystrobin-Acid in Pregnant Women and Children, Estimation of Daily Intake, and Evaluation of Placental and Lactational Transfer in Mice.. *Environmental Health Perspectives*, **2022**, 130, 27013	8.4	3
264	Common variants contribute to intrinsic human brain functional networks.. *Nature Genetics*, **2022**, 54, 508-517	36.3	1
263	A 4D Infant Brain Volumetric Atlas based on the UNC/UMN Baby Connectome Project (BCP) Cohort.. *NeuroImage*, **2022**, 119097	7.9	0
262	Deep Attentive Spatio-Temporal Feature Learning for Automatic Resting-State fMRI Denoising.. *NeuroImage*, **2022**, 119127	7.9	0
261	Existence of Functional Connectome Fingerprint During Infancy and Its Stability Over Months. *Journal of Neuroscience*, **2021**,	6.6	1
260	Magnetic Resonance Fingerprinting of the Pediatric Brain. *Magnetic Resonance Imaging Clinics of North America*, **2021**, 29, 605-616	1.6	0
259	Surface-based analysis of the developing cerebral cortex. *Advances in Magnetic Resonance Technology and Applications*, **2021**, 287-307	0.1	
258	Human milk 3'Sialyllactose is positively associated with language development during infancy. *American Journal of Clinical Nutrition*, **2021**, 114, 588-597	7	9
257	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. *IEEE Transactions on Medical Imaging*, **2021**, 40, 1363-1376	11.7	15
256	Brainwide functional networks associated with anatomically- and functionally-defined hippocampal subfields using ultrahigh-resolution fMRI. *Scientific Reports*, **2021**, 11, 10835	4.9	1
255	Effects of motion and retrospective motion correction on the visualization and quantification of perivascular spaces in ultrahigh resolution T2-weighted images at 7T. *Magnetic Resonance in Medicine*, **2021**, 86, 1944-1955	4.4	1
254	Multi-Regression based supervised sample selection for predicting baby connectome evolution trajectory from neonatal timepoint. *Medical Image Analysis*, **2021**, 68, 101853	15.4	4
253	Reference-Relation Guided Autoencoder with Deep CCA Restriction for Awake-to-Sleep Brain Functional Connectome Prediction. *Lecture Notes in Computer Science*, **2021**, 231-240	0.9	1
252	Construction of Longitudinally Consistent 4D Infant Cerebellum Atlases Based on Deep Learning.. *Lecture Notes in Computer Science*, **2021**, 12904, 139-149	0.9	1
251	Learning MRI artefact removal with unpaired data. *Nature Machine Intelligence*, **2021**, 3, 60-67	22.5	2
250	A Few-Shot Learning Graph Multi-trajectory Evolution Network for Forecasting Multimodal Baby Connectivity Development from a Baseline Timepoint. *Lecture Notes in Computer Science*, **2021**, 11-24	0.9	0
249	S3Reg: Superfast Spherical Surface Registration Based on Deep Learning. *IEEE Transactions on Medical Imaging*, **2021**, 40, 1964-1976	11.7	8

248	ABCnet: Adversarial bias correction network for infant brain MR images. *Medical Image Analysis*, **2021**, 72, 102133	15.4	2
247	Modeling individual differences in the timing of change onset and offset. *Psychological Methods*, **2021**,	7.1	1
246	The maturation and cognitive relevance of structural brain network organization from early infancy to childhood. *NeuroImage*, **2021**, 238, 118232	7.9	3
245	Effects of prenatal opioid exposure on functional networks in infancy. *Developmental Cognitive Neuroscience*, **2021**, 51, 100996	5.5	2
244	Longitudinal Parcellation of the Infant Cortex Using Multi-modal Connectome Harmonics. *Mathematics and Visualization*, **2021**, 251-261	0.6	
243	Multi-Scale Self-Supervised Learning for Multi-Site Pediatric Brain MR Image Segmentation with Motion/Gibbs Artifacts.. *Lecture Notes in Computer Science*, **2021**, 12966, 171-179	0.9	
242	Multi-site Incremental Image Quality Assessment of Structural MRI via Consensus Adversarial Representation Adaptation. *Lecture Notes in Computer Science*, **2021**, 381-389	0.9	0
241	Learning 4D Infant Cortical Surface Atlas with Unsupervised Spherical Networks. *Lecture Notes in Computer Science*, **2021**, 262-272	0.9	2
240	Probing Tissue Microarchitecture of the Baby Brain via Spherical Mean Spectrum Imaging. *IEEE Transactions on Medical Imaging*, **2020**, 39, 3607-3618	11.7	7
239	Hierarchical Nonlocal Residual Networks for Image Quality Assessment of Pediatric Diffusion MRI With Limited and Noisy Annotations. *IEEE Transactions on Medical Imaging*, **2020**, 39, 3691-3702	11.7	2
238	Real-Time Quality Assessment of Pediatric MRI via Semi-Supervised Deep Nonlocal Residual Neural Networks. *IEEE Transactions on Image Processing*, **2020**,	8.7	5
237	Development of Dynamic Functional Architecture during Early Infancy. *Cerebral Cortex*, **2020**, 30, 5626-5638	5.1	3
236	Individual identification and individual variability analysis based on cortical folding features in developing infant singletons and twins. *Human Brain Mapping*, **2020**, 41, 1985-2003	5.9	13
235	Fast Correction of Eddy-Current and Susceptibility-Induced Distortions Using Rotation-Invariant Contrasts. *Lecture Notes in Computer Science*, **2020**, 12262, 34-43	0.9	
234	Acceleration of High-Resolution 3D MR Fingerprinting via a Graph Convolutional Network. *Lecture Notes in Computer Science*, **2020**, 158-166	0.9	1
233	Globally Optimized Super-Resolution of Diffusion MRI Data via Fiber Continuity. *Lecture Notes in Computer Science*, **2020**, 12267, 260-269	0.9	
232	A Computational Framework for Dissociating Development-Related from Individually Variable Flexibility in Regional Modularity Assignment in Early Infancy. *Lecture Notes in Computer Science*, **2020**, 12267, 13-21	0.9	2
231	Construction of Spatiotemporal Infant Cortical Surface Functional Templates. *Lecture Notes in Computer Science*, **2020**, 12267, 238-248	0.9	1

230	Infant Cognitive Scores Prediction with Multi-stream Attention-Based Temporal Path Signature Features. *Lecture Notes in Computer Science*, **2020**, 12267, 134-144	0.9	2
229	Tract Dictionary Learning for Fast and Robust Recognition of Fiber Bundles. *Lecture Notes in Computer Science*, **2020**, 12267, 251-259	0.9	4
228	Estimating Tissue Microstructure with Undersampled Diffusion Data via Graph Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2020**, 12267, 280-290	0.9	6
227	A Deep Spatial Context Guided Framework for Infant Brain Subcortical Segmentation. *Lecture Notes in Computer Science*, **2020**, 12267, 646-656	0.9	1
226	Disentangled Intensive Triplet Autoencoder for Infant Functional Connectome Fingerprinting. *Lecture Notes in Computer Science*, **2020**, 12267, 72-82	0.9	2
225	Unsupervised Learning for Spherical Surface Registration. *Lecture Notes in Computer Science*, **2020**, 12436, 373-383	0.9	2
224	Semi-supervised Transfer Learning for Infant Cerebellum Tissue Segmentation. *Lecture Notes in Computer Science*, **2020**, 12436, 663-673	0.9	3
223	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. *NeuroImage*, **2020**, 218, 116978	7.9	15
222	High-resolution 3D MR Fingerprinting using parallel imaging and deep learning. *NeuroImage*, **2020**, 206, 116329	7.9	26
221	Submillimeter MR fingerprinting using deep learning-based tissue quantification. *Magnetic Resonance in Medicine*, **2020**, 84, 579-591	4.4	13
220	Initial assessment of 3D magnetic resonance fingerprinting (MRF) towards quantitative brain imaging for radiation therapy. *Medical Physics*, **2020**, 47, 1199-1214	4.4	10
219	Hippocampal Sulcus Remnant: Common Finding in Nonelderly Adults on Ultra-High-Resolution 7T Magnetic Resonance Imaging. *Journal of Computer Assisted Tomography*, **2020**, 44, 43-46	2.2	1
218	Disentangled-Multimodal Adversarial Autoencoder: Application to Infant Age Prediction With Incomplete Multimodal Neuroimages. *IEEE Transactions on Medical Imaging*, **2020**, 39, 4137-4149	11.7	11
217	6-MONTH INFANT BRAIN MRI SEGMENTATION GUIDED BY 24-MONTH DATA USING CYCLE-CONSISTENT ADVERSARIAL NETWORKS **2020**, 2020,	1.5	1
216	The emergence of a functionally flexible brain during early infancy. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 23904-23913	11.5	15
215	CORTICAL FOLDINGPRINTS FOR INFANT IDENTIFICATION **2019**, 2019, 396-399	1.5	1
214	CHARTING DEVELOPMENT-BASED JOINT PARCELLATION MAPS OF HUMAN AND MACAQUE BRAINS DURING INFANCY **2019**, 2019, 422-425	1.5	
213	SPHERICAL U-NET FOR INFANT CORTICAL SURFACE PARCELLATION **2019**, 2019, 1882-1886	1.5	4

212	Spherical U-Net on Cortical Surfaces: Methods and Applications. *Lecture Notes in Computer Science*, **2019**, 11492, 855-866	0.9	22
211	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patch-based group-wise sparse representation. *Human Brain Mapping*, **2019**, 40, 3860-3880	5.9	12
210	Asymmetry Spectrum Imaging for Baby Diffusion Tractography. *Lecture Notes in Computer Science*, **2019**, 11492, 319-331	0.9	2
209	Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. *Frontiers in Neuroinformatics*, **2019**, 13, 30	3.9	20
208	Denoising of Diffusion MRI Data via Graph Framelet Matching in x-q Space. *IEEE Transactions on Medical Imaging*, **2019**, 38, 2838-2848	11.7	13
207	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. *NeuroImage*, **2019**, 198, 114-124	7.9	11
206	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. *Medical Image Analysis*, **2019**, 55, 76-87	15.4	13
205	Hippocampal Segmentation From Longitudinal Infant Brain MR Images via Classification-Guided Boundary Regression. *IEEE Access*, **2019**, 7, 33728-33740	3.5	5
204	Quantitative phase contrast MRI of penetrating arteries in centrum semiovale at 7T. *NeuroImage*, **2019**, 195, 463-474	7.9	2
203	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. *NeuroImage*, **2019**, 185, 575-592	7.9	16
202	Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. *NeuroImage*, **2019**, 185, 664-684	7.9	54
201	CONSTRUCTION OF 4D NEONATAL CORTICAL SURFACE ATLASES USING WASSERSTEIN DISTANCE **2019**, 2019, 995-998	1.5	2
200	FRNET: FLATTENED RESIDUAL NETWORK FOR INFANT MRI SKULL STRIPPING **2019**, 2019, 999-1002	1.5	3
199	Surface-constrained volumetric registration for the early developing brain. *Medical Image Analysis*, **2019**, 58, 101540	15.4	6
198	Graph-Based Deep Learning for Prediction of Longitudinal Infant Diffusion MRI Data. *Mathematics and Visualization*, **2019**, 2019, 133-141	0.6	3
197	XQ-SR: Joint x-q space super-resolution with application to infant diffusion MRI. *Medical Image Analysis*, **2019**, 57, 44-55	15.4	6
196	Developmental topography of cortical thickness during infancy. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 15855-15860	11.5	37
195	Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties. *Lecture Notes in Computer Science*, **2019**, 11765, 841-849	0.9	

194	A Deep Learning Framework for Noise Component Detection from Resting-State Functional MRI. *Lecture Notes in Computer Science*, **2019**, 754-762	0.9	4
193	Multi-stage Image Quality Assessment of Diffusion MRI via Semi-supervised Nonlocal Residual Networks. *Lecture Notes in Computer Science*, **2019**, 11766, 521-528	0.9	4
192	Deep Granular Feature-Label Distribution Learning for Neuroimaging-based Infant Age Prediction. *Lecture Notes in Computer Science*, **2019**, 11767, 149-157	0.9	1
191	Semi-supervised VAE-GAN for Out-of-Sample Detection Applied to MRI Quality Control. *Lecture Notes in Computer Science*, **2019**, 127-136	0.9	2
190	Surface-Volume Consistent Construction of Longitudinal Atlases for the Early Developing Brain. *Lecture Notes in Computer Science*, **2019**, 11765, 815-822	0.9	2
189	RCA-U-Net: Residual Channel Attention U-Net for Fast Tissue Quantification in Magnetic Resonance Fingerprinting. *Lecture Notes in Computer Science*, **2019**, 11766, 101-109	0.9	10
188	Intrinsic Patch-Based Cortical Anatomical Parcellation Using Graph Convolutional Neural Network on Surface Manifold. *Lecture Notes in Computer Science*, **2019**, 11766, 492-500	0.9	3
187	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. *Lecture Notes in Computer Science*, **2019**, 11767, 475-483	0.9	23
186	Progressive Infant Brain Connectivity Evolution Prediction from Neonatal MRI Using Bidirectionally Supervised Sample Selection. *Lecture Notes in Computer Science*, **2019**, 63-72	0.9	3
185	Multi-task Learning for Neonatal Brain Segmentation Using 3D Dense-Unet with Dense Attention Guided by Geodesic Distance. *Lecture Notes in Computer Science*, **2019**, 11795, 243-251	0.9	5
184	Benchmark on Automatic 6-month-old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. *IEEE Transactions on Medical Imaging*, **2019**,	11.7	69
183	Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting. *IEEE Transactions on Medical Imaging*, **2019**, 38, 2364-2374	11.7	37
182	Enhancement of Perivascular Spaces Using Densely Connected Deep Convolutional Neural Network. *IEEE Access*, **2019**, 7, 18382-18391	3.5	10
181	MR fingerprinting enables quantitative measures of brain tissue relaxation times and myelin water fraction in the first five years of life. *NeuroImage*, **2019**, 186, 782-793	7.9	27
180	Brain functional development separates into three distinct time periods in the first two years of life. *NeuroImage*, **2019**, 189, 715-726	7.9	12
179	Development of Amygdala Functional Connectivity During Infancy and Its Relationship With 4-Year Behavioral Outcomes. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 62-71	3.4	20
178	First-year development of modules and hubs in infant brain functional networks. *NeuroImage*, **2019**, 185, 222-235	7.9	36
177	Computational neuroanatomy of baby brains: A review. *NeuroImage*, **2019**, 185, 906-925	7.9	82

176	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. *NeuroImage*, **2019**, 185, 891-905	7.9	140
175	A review on neuroimaging studies of genetic and environmental influences on early brain development. *NeuroImage*, **2019**, 185, 802-812	7.9	26
174	Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. *NeuroImage*, **2019**, 185, 783-792	7.9	14
173	Anatomy-guided joint tissue segmentation and topological correction for 6-month infant brain MRI with risk of autism. *Human Brain Mapping*, **2018**, 39, 2609-2623	5.9	13
172	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. *Medical Image Analysis*, **2018**, 46, 106-117	15.4	58
171	Discovering cortical sulcal folding patterns in neonates using large-scale dataset. *Human Brain Mapping*, **2018**, 39, 3625-3635	5.9	10
170	3D conditional generative adversarial networks for high-quality PET image estimation at low dose. *NeuroImage*, **2018**, 174, 550-562	7.9	182
169	Functional Brain Parcellations of the Infant Brain and the Associated Developmental Trends. *Cerebral Cortex*, **2018**, 28, 1358-1368	5.1	26
168	A computational method for longitudinal mapping of orientation-specific expansion of cortical surface in infants. *Medical Image Analysis*, **2018**, 49, 46-59	15.4	2
167	Automatic Segmentation of 3D Perivascular Spaces in 7T MR Images Using Multi-Channel Fully Convolutional Network **2018**, 2018,	0	1
166	Deep Learning for Fast and Spatially-Constrained Tissue Quantification from Highly-Undersampled Data in Magnetic Resonance Fingerprinting (MRF). *Lecture Notes in Computer Science*, **2018**, 11046, 398-405	0.9	2
165	Automatic Accurate Infant Cerebellar Tissue Segmentation with Densely Connected Convolutional Network. *Lecture Notes in Computer Science*, **2018**, 11046, 233-240	0.9	2
164	Consensus statement on current and emerging methods for the diagnosis and evaluation of cerebrovascular disease. *Journal of Cerebral Blood Flow and Metabolism*, **2018**, 38, 1391-1417	7.3	33
163	Oxygen metabolism in acute ischemic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2018**, 38, 1481-1499	7.3	26
162	Unpaired Deep Cross-Modality Synthesis with Fast Training. *Lecture Notes in Computer Science*, **2018**, 11045, 155-164	0.9	9
161	Angular Upsampling in Infant Diffusion MRI Using Neighborhood Matching in - Space. *Frontiers in Neuroinformatics*, **2018**, 12, 57	3.9	4
160	Enhancement of Perivascular Spaces Using a Very Deep 3D Dense Network. *Lecture Notes in Computer Science*, **2018**, 18-25	0.9	2
159	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. *Lecture Notes in Computer Science*, **2018**, 11070, 215-223	0.9	13

158	Registration-Free Infant Cortical Surface Parcellation using Deep Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2018**, 11072, 672-680	0.9	13
157	ESTIMATION OF SHAPE AND GROWTH BRAIN NETWORK ATLASES FOR CONNECTOMIC BRAIN MAPPING IN DEVELOPING INFANTS **2018**, 2018, 985-989	1.5	2
156	Locality Adaptive Multi-modality GANs for High-Quality PET Image Synthesis. *Lecture Notes in Computer Science*, **2018**, 11070, 329-337	0.9	7
155	Volume-Based Analysis of 6-Month-Old Infant Brain MRI for Autism Biomarker Identification and Early Diagnosis. *Lecture Notes in Computer Science*, **2018**, 11072, 411-419	0.9	41
154	A COMPUTATIONAL METHOD FOR LONGITUDINAL MAPPING OF ORIENTATION-SPECIFIC EXPANSION OF CORTICAL SURFACE AREA IN INFANTS **2018**, 2018, 683-686	1.5	
153	INFANT BRAIN DEVELOPMENT PREDICTION WITH LATENT PARTIAL MULTI-VIEW REPRESENTATION LEARNING **2018**, 2018, 1048-1051	1.5	2
152	CONSTRUCTION OF SPATIOTEMPORAL NEONATAL CORTICAL SURFACE ATLASES USING A LARGE-SCALE DATASET **2018**, 2018, 1056-1059	1.5	5
151	Functional Connectivity of the Infant Human Brain: Plastic and Modifiable. *Neuroscientist*, **2017**, 23, 169-184	7.4	177
150	Investigating magnetic susceptibility of human knee joint at 7 Tesla. *Magnetic Resonance in Medicine*, **2017**, 78, 1933-1943	4.4	45
149	Structured Learning for 3-D Perivascular Space Segmentation Using Vascular Features. *IEEE Transactions on Biomedical Engineering*, **2017**, 64, 2803-2812	5	16
148	Associations between Tumor Vascularity, Vascular Endothelial Growth Factor Expression and PET/MRI Radiomic Signatures in Primary Clear-Cell-Renal-Cell-Carcinoma: Proof-of-Concept Study. *Scientific Reports*, **2017**, 7, 43356	4.9	44
147	Emergence of a hierarchical brain during infancy reflected by stepwise functional connectivity. *Human Brain Mapping*, **2017**, 38, 2666-2682	5.9	13
146	Spatio-angular consistent construction of neonatal diffusion MRI atlases. *Human Brain Mapping*, **2017**, 38, 3175-3189	5.9	8
145	Joint prediction of longitudinal development of cortical surfaces and white matter fibers from neonatal MRI. *NeuroImage*, **2017**, 152, 411-424	7.9	19
144	Can we predict subject-specific dynamic cortical thickness maps during infancy from birth?. *Human Brain Mapping*, **2017**, 38, 2865-2874	5.9	12
143	Joint Sparse and Low-Rank Regularized MultiTask Multi-Linear Regression for Prediction of Infant Brain Development with Incomplete Data. *Lecture Notes in Computer Science*, **2017**, 10433, 40-48	0.9	3
142	Exploring Gyral Patterns of Infant Cortical Folding based on Multi-view Curvature Information. *Lecture Notes in Computer Science*, **2017**, 10433, 12-20	0.9	5
141	Longitudinally-Consistent Parcellation of Infant Population Cortical Surfaces Based on Functional Connectivity. *Lecture Notes in Computer Science*, **2017**, 194-202	0.9	

140	Enhancement of Perivascular Spaces in 7 T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. *Scientific Reports*, **2017**, 7, 8569	4.9	16
139	Longitudinal multi-scale mapping of infant cortical folding using spherical wavelets **2017**,		1
138	Scalable Joint Segmentation and Registration Framework for Infant Brain Images. *Neurocomputing*, **2017**, 229, 54-62	5.4	11
137	Evaluation of PET/MRI for Tumor Volume Delineation for Head and Neck Cancer. *Frontiers in Oncology*, **2017**, 7, 8	5.3	12
136	LONGITUDINAL MULTI-SCALE MAPPING OF INFANT CORTICAL FOLDING USING SPHERICAL WAVELETS **2017**, 2017, 93-96	1.5	2
135	Estimation of Clean and Centered Brain Network Atlases using Diffusive-Shrinking Graphs with Application to Developing Brains. *Lecture Notes in Computer Science*, **2017**, 10265, 385-397	0.9	14
134	LATEST: Local AdapTivE and Sequential Training for Tissue Segmentation of Isointense Infant Brain MR Images. *Lecture Notes in Computer Science*, **2017**, 2017, 26-34	0.9	1
133	4D Infant Cortical Surface Atlas Construction using Spherical Patch-based Sparse Representation. *Lecture Notes in Computer Science*, **2017**, 10433, 57-65	0.9	12
132	Graph-Constrained Sparse Construction of Longitudinal Diffusion-Weighted Infant Atlases. *Lecture Notes in Computer Science*, **2017**, 10433, 49-56	0.9	9
131	Developmental Patterns Based Individualized Parcellation of Infant Cortical Surface. *Lecture Notes in Computer Science*, **2017**, 10433, 66-74	0.9	1
130	Cortical thickness and surface area in neonates at high risk for schizophrenia. *Brain Structure and Function*, **2016**, 221, 447-61	4	42
129	Learning-based subject-specific estimation of dynamic maps of cortical morphology at missing time points in longitudinal infant studies. *Human Brain Mapping*, **2016**, 37, 4129-4147	5.9	13
128	Longitudinal Study of the Emerging Functional Connectivity Asymmetry of Primary Language Regions during Infancy. *Journal of Neuroscience*, **2016**, 36, 10883-10892	6.6	61
127	TOWERS: T-One with Enhanced Robustness and Speed. *Magnetic Resonance in Medicine*, **2016**, 76, 118-26	4.4	5
126	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. *NeuroImage*, **2016**, 134, 550-562	7.9	19
125	Segmentation of perivascular spaces in 7T MR image using auto-context model with orientation-normalized features. *NeuroImage*, **2016**, 134, 223-235	7.9	19
124	Predicting standard-dose PET image from low-dose PET and multimodal MR images using mapping-based sparse representation. *Physics in Medicine and Biology*, **2016**, 61, 791-812	3.8	44
123	Alternate Metabolic Programs Define Regional Variation of Relevant Biological Features in Renal Cell Carcinoma Progression. *Clinical Cancer Research*, **2016**, 22, 2950-9	12.9	16

122	Visualization of perivascular spaces in the human brain at 7T: sequence optimization and morphology characterization. *NeuroImage*, **2016**, 125, 895-902	7.9	36
121	Predicting infant cortical surface development using a 4D varifold-based learning framework and local topography-based shape morphing. *Medical Image Analysis*, **2016**, 28, 1-12	15.4	20
120	Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. *Stroke*, **2016**, 47, 99-105	6.7	8
119	Segmentation of Perivascular Spaces Using Vascular Features and Structured Random Forest from 7T MR Image. *Lecture Notes in Computer Science*, **2016**, 10019, 61-68	0.9	4
118	A Hybrid Multishape Learning Framework for Longitudinal Prediction of Cortical Surfaces and Fiber Tracts Using Neonatal Data. *Lecture Notes in Computer Science*, **2016**, 9900, 210-218	0.9	4
117	Discovering Cortical Folding Patterns in Neonatal Cortical Surfaces Using Large-Scale Dataset. *Lecture Notes in Computer Science*, **2016**, 9900, 10-18	0.9	6
116	Biomechanical Analysis of Normal Brain Development during the First Year of Life Using Finite Strain Theory. *Scientific Reports*, **2016**, 6, 37666	4.9	6
115	Multidirectional and Topography-based Dynamic-scale Varifold Representations with Application to Matching Developing Cortical Surfaces. *NeuroImage*, **2016**, 135, 152-62	7.9	9
114	Increased Cortical Cerebral Blood Flow in Asymptomatic Human Immunodeficiency Virus-Infected Subjects. *Journal of Stroke and Cerebrovascular Diseases*, **2016**, 25, 1891-5	2.8	4
113	Subject-specific Estimation of Missing Cortical Thickness Maps in Developing Infant Brains. *Lecture Notes in Computer Science*, **2016**, 9601, 83-92	0.9	1
112	Automated quantification of cerebral edema following hemispheric infarction: Application of a machine-learning algorithm to evaluate CSF shifts on serial head CTs. *NeuroImage: Clinical*, **2016**, 12, 673-680	5.3	41
111	Defining the ischemic penumbra using magnetic resonance oxygen metabolic index. *Stroke*, **2015**, 46, 982-8	6.7	39
110	Prenatal drug exposure affects neonatal brain functional connectivity. *Journal of Neuroscience*, **2015**, 35, 5860-9	6.6	53
109	Cortical Surface-Based Construction of Individual Structural Network with Application to Early Brain Development Study. *Lecture Notes in Computer Science*, **2015**, 9351, 560-568	0.9	
108	Initial experience in hybrid PET-MRI for evaluation of refractory focal onset epilepsy. *Seizure: the Journal of the British Epilepsy Association*, **2015**, 31, 1-4	3.2	33
107	Prediction of standard-dose brain PET image by using MRI and low-dose brain [18F]FDG PET images. *Medical Physics*, **2015**, 42, 5301-9	4.4	32
106	Quantitative Comparison of Misregistration in Abdominal and Pelvic Organs Between PET/MRI and PET/CT: Effect of Mode of Acquisition and Type of Sequence on Different Organs. *American Journal of Roentgenology*, **2015**, 205, 1295-305	5.4	10
105	Consistent anterior-posterior segregation of the insula during the first 2 years of life. *Cerebral Cortex*, **2015**, 25, 1176-87	5.1	60

104	Functional Network Development During the First Year: Relative Sequence and Socioeconomic Correlations. *Cerebral Cortex*, **2015**, 25, 2919-28	5.1	181
103	Development of human brain cortical network architecture during infancy. *Brain Structure and Function*, **2015**, 220, 1173-86	4	173
102	Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. *Medical Physics*, **2015**, 42, 4174-89	4.4	8
101	Spatiotemporal patterns of cortical fiber density in developing infants, and their relationship with cortical thickness. *Human Brain Mapping*, **2015**, 36, 5183-95	5.9	24
100	Network-Level Connectivity Dynamics of Movie Watching in 6-Year-Old Children. *Frontiers in Human Neuroscience*, **2015**, 9, 631	3.3	36
99	High-Pressure Transvenous Perfusion of the Upper Extremity in Human Muscular Dystrophy: A Safety Study with 0.9% Saline. *Human Gene Therapy*, **2015**, 26, 614-21	4.8	13
98	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. *Medical Image Analysis*, **2015**, 25, 22-36	15.4	90
97	Probabilistic Air Segmentation and Sparse Regression Estimated Pseudo CT for PET/MR Attenuation Correction. *Radiology*, **2015**, 275, 562-9	20.5	23
96	Frequency of spontaneous BOLD signal shifts during infancy and correlates with cognitive performance. *Developmental Cognitive Neuroscience*, **2015**, 12, 40-50	5.5	28
95	The potential of infant fMRI research and the study of early life stress as a promising exemplar. *Developmental Cognitive Neuroscience*, **2015**, 12, 12-39	5.5	81
94	LINKS: learning-based multi-source IntegratioN frameworK for Segmentation of infant brain images. *NeuroImage*, **2015**, 108, 160-72	7.9	168
93	Deep convolutional neural networks for multi-modality isointense infant brain image segmentation. *NeuroImage*, **2015**, 108, 214-24	7.9	519
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