Weili Lin

List of Publications by Year
in descending order

274 papers	13,541 citations	26567 56 h-index	29081 104 g-index
285 all docs	285 docs citations	285 times ranked	12361 citing authors

#	Article	IF	Citations
1	Modeling individual differences in the timing of change onset and offset.. Psychological Methods, 2023, 28, 401-421.	2.7	2
2	Existence of Functional Connectome Fingerprint during Infancy and Its Stability over Months. Journal of Neuroscience, 2022, 42, 377-389.	1.7	17
3	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.	2.8	20
4	Common variants contribute to intrinsic human brain functional networks. Nature Genetics, 2022, 54, 508-517.	9.4	37
5	A 4D infant brain volumetric atlas based on the UNC/UMN baby connectome project (BCP) cohort. NeuroImage, 2022, 253, 119097.	2.1	13
6	Deep attentive spatio-temporal feature learning for automatic resting-state fMRI denoising. NeuroImage, 2022, 254, 119127.	2.1	5
7	Spherical Transformer for Quality Assessment of Pediatric Cortical Surfaces. , 2022, 2022, .		2
8	Neural alterations in opioid-exposed infants revealed by edge-centric brain functional networks. Brain Communications, 2022, 4, .	1.5	4
9	Prospective motion correction and automatic segmentation of penetrating arteries in phase contrast <scp>MRI</scp> at 7 T. Magnetic Resonance in Medicine, 2022, 88, 2088-2100.	1.9	4
10	Rapid Diffusion Magnetic Resonance Imaging Using Slice-Interleaved Encoding. Medical Image Analysis, 2022, 81, 102548.	7.0	1
11	Multi-Regression based supervised sample selection for predicting baby connectome evolution trajectory from neonatal timepoint. Medical Image Analysis, 2021, 68, 101853.	7.0	7
12	Reference-Relation Guided Autoencoder with Deep CCA Restriction for Awake-to-Sleep Brain Functional Connectome Prediction. Lecture Notes in Computer Science, 2021, , 231-240.	1.0	2
13	Construction of Longitudinally Consistent 4D Infant Cerebellum Atlases Based onÂDeep Learning. Lecture Notes in Computer Science, 2021, 12904, 139-149.	1.0	2
14	Learning MRI artefact removal with unpaired data. Nature Machine Intelligence, 2021, 3, 60-67.	8.3	21
15	A Few-Shot Learning Graph Multi-trajectory Evolution Network forÂForecasting Multimodal Baby Connectivity Development from aÂBaseline Timepoint. Lecture Notes in Computer Science, 2021, , 11-24.	1.0	2
16	Human milk 3â€™-Sialyllactose is positively associated with language development during infancy. American Journal of Clinical Nutrition, 2021, 114, 588-597.	2.2	29
17	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 1363-1376.	5.4	53
18	Brainwide functional networks associated with anatomically- and functionally-defined hippocampal subfields using ultrahigh-resolution fMRI. Scientific Reports, 2021, 11, 10835.	1.6	2

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19	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.	1.9	6
20	Phthalates and pyrethroids in infants and toddlers: concentrations, stability of repeat measures, and predictors of exposure. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
21	S3Reg: Superfast Spherical Surface Registration Based on Deep Learning. IEEE Transactions on Medical Imaging, 2021, 40, 1964-1976.	5.4	17
22	ABCnet: Adversarial bias correction network for infant brain MR images. Medical Image Analysis, 2021, 72, 102133.	7.0	6
23	The maturation and cognitive relevance of structural brain network organization from early infancy to childhood. NeuroImage, 2021, 238, 118232.	2.1	14
24	Effects of prenatal opioid exposure on functional networks in infancy. Developmental Cognitive Neuroscience, 2021, 51, 100996.	1.9	18
25	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.	1.0	2
26	Multi-site Incremental Image Quality Assessment of Structural MRI via Consensus Adversarial Representation Adaptation. Lecture Notes in Computer Science, 2021, , 381-389.	1.0	1
27	Magnetic Resonance Fingerprinting of the Pediatric Brain. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 605-616.	0.6	2
28	Surface-based analysis of the developing cerebral cortex. Advances in Magnetic Resonance Technology and Applications, 2021, , 287-307.	0.0	0
29	High-resolution 3D MR Fingerprinting using parallel imaging and deep learning. NeuroImage, 2020, 206, 116329.	2.1	49
30	Submillimeter MR fingerprinting using deep learning‑based tissue quantification. Magnetic Resonance in Medicine, 2020, 84, 579-591.	1.9	26
31	Initial assessment of 3D magnetic resonance fingerprinting (MRF) towards quantitative brain imaging for radiation therapy. Medical Physics, 2020, 47, 1199-1214.	1.6	17
32	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.	0.5	2
33	Disentangled-Multimodal Adversarial Autoencoder: Application to Infant Age Prediction With Incomplete Multimodal Neuroimages. IEEE Transactions on Medical Imaging, 2020, 39, 4137-4149.	5.4	27
34	6-Month Infant Brain Mri Segmentation Guided by 24-Month Data Using Cycle-Consistent Adversarial Networks. , 2020, 2020, .		3
35	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.	3.3	36
36	Probing Tissue Microarchitecture of the Baby Brain via Spherical Mean Spectrum Imaging. IEEE Transactions on Medical Imaging, 2020, 39, 1-1.	5.4	12

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37	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.	5.4	9
38	Real-Time Quality Assessment of Pediatric MRI via Semi-Supervised Deep Nonlocal Residual Neural Networks. IEEE Transactions on Image Processing, 2020, 29, 7697-7706.	6.0	14
39	Development of Dynamic Functional Architecture during Early Infancy. Cerebral Cortex, 2020, 30, 5626-5638.	1.6	12
40	Individual identification and individual variability analysis based on cortical folding features in developing infant singletons and twins. Human Brain Mapping, 2020, 41, 1985-2003.	1.9	25
41	Infant Cognitive Scores Prediction with Multi-stream Attention-Based Temporal Path Signature Features. Lecture Notes in Computer Science, 2020, 12267, 134-144.	1.0	3
42	Tract Dictionary Learning for Fast and Robust Recognition of Fiber Bundles. Lecture Notes in Computer Science, 2020, 12267, 251-259.	1.0	10
43	Estimating Tissue Microstructure with Undersampled Diffusion Data via Graph Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, 12267, 280-290.	1.0	9
44	A Deep Spatial Context Guided Framework for Infant Brain Subcortical Segmentation. Lecture Notes in Computer Science, 2020, 12267, 646-656.	1.0	3
45	Disentangled Intensive Triplet Autoencoder for Infant Functional Connectome Fingerprinting. Lecture Notes in Computer Science, 2020, 12267, 72-82.	1.0	3
46	Unsupervised Learning for Spherical Surface Registration. Lecture Notes in Computer Science, 2020, 12436, 373-383.	1.0	2
47	Semi-supervised Transfer Learning for Infant Cerebellum Tissue Segmentation. Lecture Notes in Computer Science, 2020, 12436, 663-673.	1.0	6
48	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.	2.1	28
49	Acceleration of High-Resolution 3D MR Fingerprinting via a Graph Convolutional Network. Lecture Notes in Computer Science, 2020, , 158-166.	1.0	3
50	Globally Optimized Super-Resolution of Diffusion MRI Data via Fiber Continuity. Lecture Notes in Computer Science, 2020, 12267, 260-269.	1.0	0
51	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.	1.0	2
52	Construction of Spatiotemporal Infant Cortical Surface Functional Templates. Lecture Notes in Computer Science, 2020, 12267, 238-248.	1.0	1
53	Fast Correction of Eddy-Current and Susceptibility-Induced Distortions Using Rotation-Invariant Contrasts. Lecture Notes in Computer Science, 2020, 12262, 34-43.	1.0	0
54	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. NeuroImage, 2019, 185, 575-592.	2.1	25

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55	Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. NeuroImage, 2019, 185, 664-684.	2.1	91
56	Construction of 4D Neonatal Cortical Surface Atlases Using Wasserstein Distance. , 2019, 2019, 995-998.		2
57	Frnet: Flattened Residual Network for Infant MRI Skull Stripping. , 2019, 2019, 999-1002.		15
58	Surface-constrained volumetric registration for the early developing brain. Medical Image Analysis, 2019, 58, 101540.	7.0	11
59	Graph-Based Deep Learning forÂPrediction of Longitudinal Infant Diffusion MRI Data. Mathematics and Visualization, 2019, 2019, 133-141.	0.4	4
60	XQ-SR: Joint x-q space super-resolution with application to infant diffusion MRI. Medical Image Analysis, 2019, 57, 44-55.	7.0	10
61	Developmental topography of cortical thickness during infancy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15855-15860.	3.3	82
62	Cortical Foldingprints for Infant Identification. , 2019, 2019, 396-399.		3
63	Charting Development-Based Joint Parcellation Maps Of Human and Macaque Brains During Infancy. , 2019, 2019, 422-425.		0
64	Spherical U-Net For Infant Cortical Surface Parcellation. , 2019, 2019, 1882-1886.		5
65	Spherical U-Net on Cortical Surfaces: Methods and Applications. Lecture Notes in Computer Science, 2019, 11492, 855-866.	1.0	37
66	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patchâ€based groupâ€wise sparse representation. Human Brain Mapping, 2019, 40, 3860-3880.	1.9	31
67	Asymmetry Spectrum Imaging for Baby Diffusion Tractography. Lecture Notes in Computer Science, 2019, 11492, 319-331.	1.0	7
68	Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. Frontiers in Neuroinformatics, 2019, 13, 30.	1.3	38
69	Denoising of Diffusion MRI Data via Graph Framelet Matching in x-q Space. IEEE Transactions on Medical Imaging, 2019, 38, 2838-2848.	5.4	23
70	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. NeuroImage, 2019, 198, 114-124.	2.1	18
71	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. Medical Image Analysis, 2019, 55, 76-87.	7.0	18
72	Hippocampal Segmentation From Longitudinal Infant Brain MR Images via Classification-Guided Boundary Regression. IEEE Access, 2019, 7, 33728-33740.	2.6	8

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73	Quantitative phase contrast MRI of penetrating arteries in centrum semiovale at 7T. NeuroImage, 2019, 195, 463-474.	2.1	6
74	Benchmark on Automatic Six-Month-Old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2219-2230.	5.4	136
75	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.	5.4	77
76	Enhancement of Perivascular Spaces Using Densely Connected Deep Convolutional Neural Network. IEEE Access, 2019, 7, 18382-18391.	2.6	22
77	Young Brain â€" Big Appetite. Annals of Nutrition and Metabolism, 2019, 75, 5-6.	1.0	0
78	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.	2.1	54
79	Brain functional development separates into three distinct time periods in the first two years of life. NeuroImage, 2019, 189, 715-726.	2.1	19
80	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.	1.1	31
81	First-year development of modules and hubs in infant brain functional networks. NeuroImage, 2019, 185, 222-235.	2.1	70
82	Computational neuroanatomy of baby brains: A review. NeuroImage, 2019, 185, 906-925.	2.1	125
83	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. NeuroImage, 2019, 185, 891-905.	2.1	234
84	A review on neuroimaging studies of genetic and environmental influences on early brain development. NeuroImage, 2019, 185, 802-812.	2.1	42
85	Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. NeuroImage, 2019, 185, 783-792.	2.1	24
86	Surface-Volume Consistent Construction of Longitudinal Atlases for the Early Developing Brain. Lecture Notes in Computer Science, 2019, 11765, 815-822.	1.0	4
87	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.	1.0	22
88	Intrinsic Patch-Based Cortical Anatomical Parcellation Using Graph Convolutional Neural Network on Surface Manifold. Lecture Notes in Computer Science, 2019, 11766, 492-500.	1.0	4
89	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. Lecture Notes in Computer Science, 2019, 11767, 475-483.	1.0	39
90	Progressive Infant Brain Connectivity Evolution Prediction from Neonatal MRI Using Bidirectionally Supervised Sample Selection. Lecture Notes in Computer Science, 2019, , 63-72.	1.0	3

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91	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.	1.0	12
92	Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties. Lecture Notes in Computer Science, 2019, 11765, 841-849.	1.0	2
93	A Deep Learning Framework for Noise Component Detection from Resting-State Functional MRI. Lecture Notes in Computer Science, 2019, , 754-762.	1.0	12
94	Multi-stage Image Quality Assessment of Diffusion MRI via Semi-supervised Nonlocal Residual Networks. Lecture Notes in Computer Science, 2019, 11766, 521-528.	1.0	5
95	Deep Granular Feature-Label Distribution Learning for Neuroimaging-Based Infant Age Prediction. Lecture Notes in Computer Science, 2019, 11767, 149-157.	1.0	2
96	Semi-supervised VAE-GAN for Out-of-Sample Detection Applied to MRI Quality Control. Lecture Notes in Computer Science, 2019, , 127-136.	1.0	5
97	Anatomyâ€guided joint tissue segmentation and topological correction for 6â€month infant brain MRI with risk of autism. Human Brain Mapping, 2018, 39, 2609-2623.	1.9	20
98	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. Medical Image Analysis, 2018, 46, 106-117.	7.0	91
99	Discovering cortical sulcal folding patterns in neonates using largeâ€scale dataset. Human Brain Mapping, 2018, 39, 3625-3635.	1.9	18
100	3D conditional generative adversarial networks for high-quality PET image estimation at low dose. NeuroImage, 2018, 174, 550-562.	2.1	298
101	Functional Brain Parcellations of the Infant Brain and the Associated Developmental Trends. Cerebral Cortex, 2018, 28, 1358-1368.	1.6	55
102	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.	2.4	48
103	Oxygen metabolism in acute ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1481-1499.	2.4	37
104	Unpaired Deep Cross-Modality Synthesis with Fast Training. Lecture Notes in Computer Science, 2018, 11045, 155-164.	1.0	13
105	Angular Upsampling in Infant Diffusion MRI Using Neighborhood Matching in x-q Space. Frontiers in Neuroinformatics, 2018, 12, 57.	1.3	6
106	Enhancement of Perivascular Spaces Using a Very Deep 3D Dense Network. Lecture Notes in Computer Science, 2018, , 18-25.	1.0	3
107	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. Lecture Notes in Computer Science, 2018, 11070, 215-223.	1.0	23
108	Registration-Free Infant Cortical Surface Parcellation Using Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, 11072, 672-680.	1.0	21

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109	Estimation of shape and growth brain network atlases for connectomic brain mapping in developing infants. , 2018, 2018, 985-989.		2
110	Locality Adaptive Multi-modality GANs for High-Quality PET Image Synthesis. Lecture Notes in Computer Science, 2018, 11070, 329-337.	1.0	12
111	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.	1.0	61
112	A computational method for longitudinal mapping of orientation-specific expansion of cortical surface area in infants. , 2018, 2018, 683-686.		2
113	Infant brain development prediction with latent partial multi-view representation learning. , 2018, 2018, 1048-1051.		2
114	Construction of spatiotemporal neonatal cortical surface atlases using a large-scale dataset. , 2018, 2018, 1056-1059.		7
115	A computational method for longitudinal mapping of orientation-specific expansion of cortical surface in infants. Medical Image Analysis, 2018, 49, 46-59.	7.0	3
116	Automatic Accurate Infant Cerebellar Tissue Segmentation with Densely Connected Convolutional Network. Lecture Notes in Computer Science, 2018, 11046, 233-240.	1.0	3
117	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.	1.0	3
118	Automatic Segmentation of 3D Perivascular Spaces in 7T MR Images Using Multi-Channel Fully Convolutional Network. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2018, 2018, .	0.5	1
119	Reconstruction in deep learning of highly under-sampled T2-weighted image with T1-weighted image. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2018, 2018, .	0.5	0
120	Functional Connectivity of the Infant Human Brain. Neuroscientist, 2017, 23, 169-184.	2.6	265
121	Investigating magnetic susceptibility of human knee joint at 7 Tesla. Magnetic Resonance in Medicine, 2017, 78, 1933-1943.	1.9	54
122	Structured Learning for 3-D Perivascular Space Segmentation Using Vascular Features. IEEE Transactions on Biomedical Engineering, 2017, 64, 2803-2812.	2.5	35
123	Associations between Tumor Vascularity, Vascular Endothelial Growth Factor Expression and PET/MRI Radiomic Signatures in Primary Clear-Cellâ€"Renal-Cell-Carcinoma: Proof-of-Concept Study. Scientific Reports, 2017, 7, 43356.	1.6	58
124	Emergence of a hierarchical brain during infancy reflected by stepwise functional connectivity. Human Brain Mapping, 2017, 38, 2666-2682.	1.9	18
125	Hybrid PET/MR: State-of-the-Art and Future Challenges. Magnetic Resonance Imaging Clinics of North America, 2017, 25, xv-xvii.	0.6	1
126	Spatioâ€"angular consistent construction of neonatal diffusion MRI atlases. Human Brain Mapping, 2017, 38, 3175-3189.	1.9	8

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127	Joint prediction of longitudinal development of cortical surfaces and white matter fibers from neonatal MRI. NeuroImage, 2017, 152, 411-424.	2.1	23
128	Can we predict subject€specific dynamic cortical thickness maps during infancy from birth?. Human Brain Mapping, 2017, 38, 2865-2874.	1.9	14
129	Joint Sparse and Low-Rank Regularized Multi-Task Multi-Linear Regression for Prediction of Infant Brain Development with Incomplete Data. Lecture Notes in Computer Science, 2017, 10433, 40-48.	1.0	3
130	Exploring Gyral Patterns of Infant Cortical Folding Based on Multi-view Curvature Information. Lecture Notes in Computer Science, 2017, 10433, 12-20.	1.0	5
131	Longitudinally-Consistent Parcellation of Infant Population Cortical Surfaces Based on Functional Connectivity. Lecture Notes in Computer Science, 2017, , 194-202.	1.0	0
132	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.	1.6	29
133	Longitudinal multi-scale mapping of infant cortical folding using spherical wavelets. , 2017, , .		2
134	Scalable joint segmentation and registration framework for infant brain images. Neurocomputing, 2017, 229, 54-62.	3.5	19
135	Evaluation of PET/MRI for Tumor Volume Delineation for Head and Neck Cancer. Frontiers in Oncology, 2017, 7, 8.	1.3	22
136	Estimation of Brain Network Atlases Using Diffusive-Shrinking Graphs: Application to Developing Brains. Lecture Notes in Computer Science, 2017, 10265, 385-397.	1.0	17
137	LATEST: Local AdapTivE and Sequential Training for Tissue Segmentation of Isointense Infant Brain MR Images. Lecture Notes in Computer Science, 2017, 2017, 26-34.	1.0	1
138	4D Infant Cortical Surface Atlas Construction Using Spherical Patch-Based Sparse Representation. Lecture Notes in Computer Science, 2017, 10433, 57-65.	1.0	15
139	Graph-Constrained Sparse Construction of Longitudinal Diffusion-Weighted Infant Atlases. Lecture Notes in Computer Science, 2017, 10433, 49-56.	1.0	10
140	Developmental Patterns Based Individualized Parcellation of Infant Cortical Surface. Lecture Notes in Computer Science, 2017, 10433, 66-74.	1.0	1
141	LONGITUDINAL MULTI-SCALE MAPPING OF INFANT CORTICAL FOLDING USING SPHERICAL WAVELETS. Proceedings, 2017, 2017, 93-96.	0.0	2
142	Cortical thickness and surface area in neonates at high risk for schizophrenia. Brain Structure and Function, 2016, 221, 447-461.	1.2	52
143	Biomechanical Analysis of Normal Brain Development during the First Year of Life Using Finite Strain Theory. Scientific Reports, 2016, 6, 37666.	1.6	7
144	Multidirectional and Topography-based Dynamic-scale Varifold Representations with Application to Matching Developing Cortical Surfaces. NeuroImage, 2016, 135, 152-162.	2.1	9

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145	Increased Cortical Cerebral Blood Flow in Asymptomatic Human Immunodeficiency Virus-Infected Subjects. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 1891-1895.	0.7	10
146	Subject-Specific Estimation of Missing Cortical Thickness Maps in Developing Infant Brains. Lecture Notes in Computer Science, 2016, 9601, 83-92.	1.0	1
147	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.	1.4	49
148	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.	1.9	17
149	Longitudinal Study of the Emerging Functional Connectivity Asymmetry of Primary Language Regions during Infancy. Journal of Neuroscience, 2016, 36, 10883-10892.	1.7	81
150	TOWERS: T‐One with Enhanced Robustness and Speed. Magnetic Resonance in Medicine, 2016, 76, 118-126.	1.9	6
151	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. NeuroImage, 2016, 134, 550-562.	2.1	25
152	Segmentation of perivascular spaces in 7 T MR image using auto-context model with orientation-normalized features. NeuroImage, 2016, 134, 223-235.	2.1	38
153	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.	1.6	62
154	Alternate Metabolic Programs Define Regional Variation of Relevant Biological Features in Renal Cell Carcinoma Progression. Clinical Cancer Research, 2016, 22, 2950-2959.	3.2	21
155	Visualization of perivascular spaces in the human brain at 7 T: sequence optimization and morphology characterization. NeuroImage, 2016, 125, 895-902.	2.1	53
156	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.	7.0	27
157	Reperfusion Beyond 6 Hours Reduces Infarct Probability in Moderately Ischemic Brain Tissue. Stroke, 2016, 47, 99-105.	1.0	11
158	Segmentation of Perivascular Spaces Using Vascular Features and Structured Random Forest from 7T MR Image. Lecture Notes in Computer Science, 2016, 10019, 61-68.	1.0	8
159	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.	1.0	4
160	Discovering Cortical Folding Patterns in Neonatal Cortical Surfaces Using Large-Scale Dataset. Lecture Notes in Computer Science, 2016, 9900, 10-18.	1.0	7
161	Abstract WMP20: Validation of an Efficient Machine-learning Approach to Quantify CSF Volume Changes Using Multicenter CT Scans. Stroke, 2016, 47, .	1.0	0
162	Hierarchical and symmetric infant image registration by robust longitudinal‐example‐guided correspondence detection. Medical Physics, 2015, 42, 4174-4189.	1.6	10

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163	Spatiotemporal patterns of cortical fiber density in developing infants, and their relationship with cortical thickness. Human Brain Mapping, 2015, 36, 5183-5195.	1.9	32
164	Network-Level Connectivity Dynamics of Movie Watching in 6-Year-Old Children. Frontiers in Human Neuroscience, 2015, 9, 631.	1.0	45
165	High-Pressure Transvenous Perfusion of the Upper Extremity in Human Muscular Dystrophy: A Safety Study with 0.9% Saline. Human Gene Therapy, 2015, 26, 614-621.	1.4	16
166	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. Medical Image Analysis, 2015, 25, 22-36.	7.0	112
167	Probabilistic Air Segmentation and Sparse Regression Estimated Pseudo CT for PET/MR Attenuation Correction. Radiology, 2015, 275, 562-569.	3.6	27
168	Frequency of spontaneous BOLD signal shifts during infancy and correlates with cognitive performance. Developmental Cognitive Neuroscience, 2015, 12, 40-50.	1.9	35
169	The potential of infant fMRI research and the study of early life stress as a promising exemplar. Developmental Cognitive Neuroscience, 2015, 12, 12-39.	1.9	94
170	LINKS: Learning-based multi-source IntegratioN frameworK for Segmentation of infant brain images. NeuroImage, 2015, 108, 160-172.	2.1	208
171	Deep convolutional neural networks for multi-modality isointense infant brain image segmentation. NeuroImage, 2015, 108, 214-224.	2.1	662
172	Defining the Ischemic Penumbra Using Magnetic Resonance Oxygen Metabolic Index. Stroke, 2015, 46, 982-988.	1.0	49
173	Prenatal Drug Exposure Affects Neonatal Brain Functional Connectivity. Journal of Neuroscience, 2015, 35, 5860-5869.	1.7	72
174	Cortical Surface-Based Construction of Individual Structural Network with Application to Early Brain Development Study. Lecture Notes in Computer Science, 2015, 9351, 560-568.	1.0	0
175	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.	0.9	45
176	Prediction of standard–dose brain PET image by using MRI and low–dose brain [^{18}F]FDG PET images. Medical Physics, 2015, 42, 5301-5309.	1.6	49
177	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, 1295-1305.	1.0	12
178	Consistent Anterior–Posterior Segregation of the Insula During the First 2 Years of Life. Cerebral Cortex, 2015, 25, 1176-1187.	1.6	77
179	Functional Network Development During the First Year: Relative Sequence and Socioeconomic Correlations. Cerebral Cortex, 2015, 25, 2919-2928.	1.6	275
180	Development of human brain cortical network architecture during infancy. Brain Structure and Function, 2015, 220, 1173-1186.	1.2	240

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