

Gang Li

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

80
papers

2,638
citations

25
h-index

50
g-index

86
ext. papers

3,265
ext. citations

5.7
avg, IF

5.13
L-index

#	Paper	IF	Citations
80	Path Signature Neural Network of Cortical Features for Prediction of Infant Cognitive Scores.. <i>IEEE Transactions on Medical Imaging</i> , 2022 , PP,	11.7	1
79	Existence of Functional Connectome Fingerprint During Infancy and Its Stability Over Months. <i>Journal of Neuroscience</i> , 2021 ,	6.6	1
78	Longitudinal brain atlases of early developing cynomolgus macaques from birth to 48 months of age.. <i>NeuroImage</i> , 2021 , 247, 118799	7.9	0
77	Maternal Obesity during Pregnancy is Associated with Lower Cortical Thickness in the Neonate Brain. <i>American Journal of Neuroradiology</i> , 2021 ,	4.4	1
76	Surface-based analysis of the developing cerebral cortex. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021 , 287-307	0.1	
75	Spherical Deformable U-Net: Application to Cortical Surface Parcellation and Development Prediction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1217-1228	11.7	13
74	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1363-1376	11.7	15
73	Multi-Regression based supervised sample selection for predicting baby connectome evolution trajectory from neonatal timepoint. <i>Medical Image Analysis</i> , 2021 , 68, 101853	15.4	4
72	Reference-Relation Guided Autoencoder with Deep CCA Restriction for Awake-to-Sleep Brain Functional Connectome Prediction. <i>Lecture Notes in Computer Science</i> , 2021 , 231-240	0.9	1
71	Learning Infant Brain Developmental Connectivity for Cognitive Score Prediction. <i>Lecture Notes in Computer Science</i> , 2021 , 228-237	0.9	
70	A Deep Network for Joint Registration and Parcellation of Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , 2021 , 171-181	0.9	1
69	A Few-Shot Learning Graph Multi-trajectory Evolution Network for Forecasting Multimodal Baby Connectivity Development from a Baseline Timepoint. <i>Lecture Notes in Computer Science</i> , 2021 , 11-24	0.9	0
68	DIKA-Nets: Domain-invariant knowledge-guided attention networks for brain skull stripping of early developing macaques. <i>NeuroImage</i> , 2021 , 227, 117649	7.9	6
67	S3Reg: Superfast Spherical Surface Registration Based on Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 1964-1976	11.7	8
66	ABCnet: Adversarial bias correction network for infant brain MR images. <i>Medical Image Analysis</i> , 2021 , 72, 102133	15.4	2
65	Harmonized neonatal brain MR image segmentation model for cross-site datasets. <i>Biomedical Signal Processing and Control</i> , 2021 , 69, 102810	4.9	2
64	Longitudinal Parcellation of the Infant Cortex Using Multi-modal Connectome Harmonics. <i>Mathematics and Visualization</i> , 2021 , 251-261	0.6	

63	Multi-Scale Self-Supervised Learning for Multi-Site Pediatric Brain MR Image Segmentation with Motion/Gibbs Artifacts.. <i>Lecture Notes in Computer Science</i> , 2021 , 12966, 171-179	0.9	
62	Learning 4D Infant Cortical Surface Atlas with Unsupervised Spherical Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 262-272	0.9	2
61	Individual identification and individual variability analysis based on cortical folding features in developing infant singletons and twins. <i>Human Brain Mapping</i> , 2020 , 41, 1985-2003	5.9	13
60	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
59	Construction of Spatiotemporal Infant Cortical Surface Functional Templates. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 238-248	0.9	1
58	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
57	Semi-supervised Transfer Learning for Infant Cerebellum Tissue Segmentation. <i>Lecture Notes in Computer Science</i> , 2020 , 12436, 663-673	0.9	3
56	Disentangled-Multimodal Adversarial Autoencoder: Application to Infant Age Prediction With Incomplete Multimodal Neuroimages. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 4137-4149	11.7	11
55	Hierarchical Rough-to-Fine Model for Infant Age Prediction Based on Cortical Features. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 214-225	7.2	6
54	Cortical Structure and Cognition in Infants and Toddlers. <i>Cerebral Cortex</i> , 2020 , 30, 786-800	5.1	10
53	CORTICAL FOLDINGPRINTS FOR INFANT IDENTIFICATION 2019 , 2019, 396-399	1.5	1
52	SPHERICAL U-NET FOR INFANT CORTICAL SURFACE PARCELLATION 2019 , 2019, 1882-1886	1.5	4
51	Spherical U-Net on Cortical Surfaces: Methods and Applications. <i>Lecture Notes in Computer Science</i> , 2019 , 11492, 855-866	0.9	22
50	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patch-based group-wise sparse representation. <i>Human Brain Mapping</i> , 2019 , 40, 3860-3880	5.9	12
49	Fetal cortical surface atlas parcellation based on growth patterns. <i>Human Brain Mapping</i> , 2019 , 40, 3881-3899	5.9	11
48	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. <i>NeuroImage</i> , 2019 , 198, 114-124	7.9	11
47	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
46	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

45	Deep Modeling of Growth Trajectories for Longitudinal Prediction of Missing Infant Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , 2019 , 277-288	0.9	2
44	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
43	Benchmark on Automatic 6-month-old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019 ,	11.7	69
42	Infant Brain Development Prediction With Latent Partial Multi-View Representation Learning. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 909-918	11.7	9
41	First-year development of modules and hubs in infant brain functional networks. <i>NeuroImage</i> , 2019 , 185, 222-235	7.9	36
40	Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , 2019 , 185, 906-925	7.9	82
39	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019 , 185, 891-905	7.9	140
38	Environmental Influences on Infant Cortical Thickness and Surface Area. <i>Cerebral Cortex</i> , 2019 , 29, 1139-1149	7.9	32
37	Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. <i>NeuroImage</i> , 2019 , 185, 783-792	7.9	14
36	Anatomy-guided joint tissue segmentation and topological correction for 6-month infant brain MRI with risk of autism. <i>Human Brain Mapping</i> , 2018 , 39, 2609-2623	5.9	13
35	Discovering cortical sulcal folding patterns in neonates using large-scale dataset. <i>Human Brain Mapping</i> , 2018 , 39, 3625-3635	5.9	10
34	Genetic influences on neonatal cortical thickness and surface area. <i>Human Brain Mapping</i> , 2018 , 39, 4998-5013	5.9	16
33	Registration-Free Infant Cortical Surface Parcellation using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 672-680	0.9	13
32	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
31	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
30	Can we predict subject-specific dynamic cortical thickness maps during infancy from birth?. <i>Human Brain Mapping</i> , 2017 , 38, 2865-2874	5.9	12
29	Structural and Maturational Covariance in Early Childhood Brain Development. <i>Cerebral Cortex</i> , 2017 , 27, 1795-1807	5.1	91
28	Exploring Gyral Patterns of Infant Cortical Folding based on Multi-view Curvature Information. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 12-20	0.9	5

27	LONGITUDINAL MULTI-SCALE MAPPING OF INFANT CORTICAL FOLDING USING SPHERICAL WAVELETS 2017 , 2017, 93-96	1.5	2
26	4D Infant Cortical Surface Atlas Construction using Spherical Patch-based Sparse Representation. <i>Lecture Notes in Computer Science</i> , 2017 , 10433, 57-65	0.9	12
25	Cortical thickness and surface area in neonates at high risk for schizophrenia. <i>Brain Structure and Function</i> , 2016 , 221, 447-61	4	42
24	Learning-based subject-specific estimation of dynamic maps of cortical morphology at missing time points in longitudinal infant studies. <i>Human Brain Mapping</i> , 2016 , 37, 4129-4147	5.9	13
23	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
22	Learning-Based Topological Correction for Infant Cortical Surfaces. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 219-227	0.9	15
21	Discovering Cortical Folding Patterns in Neonatal Cortical Surfaces Using Large-Scale Dataset. <i>Lecture Notes in Computer Science</i> , 2016 , 9900, 10-18	0.9	6
20	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
19	Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. <i>Cerebral Cortex</i> , 2015 , 25, 2204-12	5.1	200
18	AUTOMATIC PARCELLATION OF CORTICAL SURFACES USING RANDOM FORESTS 2015 , 2015, 810-813	1.5	3
17	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
16	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
15	LINKS: learning-based multi-source IntegratiON frameworkK for Segmentation of infant brain images. <i>NeuroImage</i> , 2015 , 108, 160-72	7.9	168
14	Segmentation of neonatal brain MR images using patch-driven level sets. <i>NeuroImage</i> , 2014 , 84, 141-58	7.9	136
13	Simultaneous and consistent labeling of longitudinal dynamic developing cortical surfaces in infants. <i>Medical Image Analysis</i> , 2014 , 18, 1274-89	15.4	31
12	Mapping longitudinal hemispheric structural asymmetries of the human cerebral cortex from birth to 2 years of age. <i>Cerebral Cortex</i> , 2014 , 24, 1289-300	5.1	96
11	Spatial distribution and longitudinal development of deep cortical sulcal landmarks in infants. <i>NeuroImage</i> , 2014 , 100, 206-18	7.9	83
10	Mapping longitudinal development of local cortical gyrification in infants from birth to 2 years of age. <i>Journal of Neuroscience</i> , 2014 , 34, 4228-38	6.6	164

9	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
8	Constructing 4D infant cortical surface atlases based on dynamic developmental trajectories of the cortex. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 89-96	0.9	14
7	Mapping region-specific longitudinal cortical surface expansion from birth to 2 years of age. <i>Cerebral Cortex</i> , 2013 , 23, 2724-33	5.1	155
6	Axonal fiber terminations concentrate on gyri. <i>Cerebral Cortex</i> , 2012 , 22, 2831-9	5.1	81
5	Consistent reconstruction of cortical surfaces from longitudinal brain MR images. <i>NeuroImage</i> , 2012 , 59, 3805-20	7.9	79
4	A computational growth model for measuring dynamic cortical development in the first year of life. <i>Cerebral Cortex</i> , 2012 , 22, 2272-84	5.1	47
3	Gyral folding pattern analysis via surface profiling. <i>NeuroImage</i> , 2010 , 52, 1202-14	7.9	48
2	Cortical surface based identification of brain networks using high spatial resolution resting state FMRI data 2010 ,		21
1	An automated pipeline for cortical sulcal fundi extraction. <i>Medical Image Analysis</i> , 2010 , 14, 343-59	15.4	42