

Zhengwang Wu

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

984
citations

516710

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501196

28
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62
all docs

62
docs citations

62
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning in cortical surface-based neuroimage analysis: a systematic review. <i>Intelligent Medicine</i> , 2023, 3, 46-58.	3.1	5
2	Existence of Functional Connectome Fingerprint during Infancy and Its Stability over Months. <i>Journal of Neuroscience</i> , 2022, 42, 377-389.	3.6	17
3	Recurrent Tissue-Aware Network for Deformable Registration of Infant Brain MR Images. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 1219-1229.	8.9	11
4	Developmental abnormalities of structural covariance networks of cortical thickness and surface area in autistic infants within the first 2 years. <i>Cerebral Cortex</i> , 2022, 32, 3786-3798.	2.9	3
5	Longitudinal brain atlases of early developing cynomolgus macaques from birth to 48 months of age. <i>NeuroImage</i> , 2022, 247, 118799.	4.2	4
6	Path Signature Neural Network of Cortical Features for Prediction of Infant Cognitive Scores. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 1665-1676.	8.9	5
7	A 4D infant brain volumetric atlas based on the UNC/UMN baby connectome project (BCP) cohort. <i>NeuroImage</i> , 2022, 253, 119097.	4.2	13
8	Spherical Transformer for Quality Assessment of Pediatric Cortical Surfaces. , 2022, 2022, .		2
9	Construction of Longitudinally Consistent 4D Infant Cerebellum Atlases Based on Deep Learning. <i>Lecture Notes in Computer Science</i> , 2021, 12904, 139-149.	1.3	2
10	Learning Infant Brain Developmental Connectivity for Cognitive Score Prediction. <i>Lecture Notes in Computer Science</i> , 2021, , 228-237.	1.3	1
11	Learning Spatiotemporal Probabilistic Atlas of Fetal Brains with Anatomically Constrained Registration Network. <i>Lecture Notes in Computer Science</i> , 2021, 12907, 239-248.	1.3	3
12	DIKA-Nets: Domain-invariant knowledge-guided attention networks for brain skull stripping of early developing macaques. <i>NeuroImage</i> , 2021, 227, 117649.	4.2	14
13	ABCnet: Adversarial bias correction network for infant brain MR images. <i>Medical Image Analysis</i> , 2021, 72, 102133.	11.6	6
14	The maturation and cognitive relevance of structural brain network organization from early infancy to childhood. <i>NeuroImage</i> , 2021, 238, 118232.	4.2	14
15	Maternal Obesity during Pregnancy is Associated with Lower Cortical Thickness in the Neonate Brain. <i>American Journal of Neuroradiology</i> , 2021, 42, 2238-2244.	2.4	11
16	Surface-based analysis of the developing cerebral cortex. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, , 287-307.	0.1	0
17	Learning longitudinal classification-regression model for infant hippocampus segmentation. <i>Neurocomputing</i> , 2020, 391, 191-198.	5.9	24
18	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.	6.3	18

#	ARTICLE	IF	CITATIONS
19	Mapping hemispheric asymmetries of the macaque cerebral cortex during early brain development. <i>Human Brain Mapping</i> , 2020, 41, 95-106.	3.6	26
20	Disentangled-Multimodal Adversarial Autoencoder: Application to Infant Age Prediction With Incomplete Multimodal Neuroimages. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4137-4149.	8.9	27
21	Siamese Verification Framework for Autism Identification During Infancy Using Cortical Path Signature Features. , 2020, 2020, .		3
22	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.	3.6	25
23	Infant Cognitive Scores Prediction with Multi-stream Attention-Based Temporal Path Signature Features. <i>Lecture Notes in Computer Science</i> , 2020, 12267, 134-144.	1.3	3
24	A Deep Spatial Context Guided Framework for Infant Brain Subcortical Segmentation. <i>Lecture Notes in Computer Science</i> , 2020, 12267, 646-656.	1.3	3
25	Disentangled Intensive Triplet Autoencoder for Infant Functional Connectome Fingerprinting. <i>Lecture Notes in Computer Science</i> , 2020, 12267, 72-82.	1.3	3
26	Unsupervised Learning for Spherical Surface Registration. <i>Lecture Notes in Computer Science</i> , 2020, 12436, 373-383.	1.3	2
27	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.	1.3	2
28	Construction of Spatiotemporal Infant Cortical Surface Functional Templates. <i>Lecture Notes in Computer Science</i> , 2020, 12267, 238-248.	1.3	1
29	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. <i>NeuroImage</i> , 2019, 185, 575-592.	4.2	25
30	Construction of 4D Neonatal Cortical Surface Atlases Using Wasserstein Distance. , 2019, 2019, 995-998.		2
31	Surface-constrained volumetric registration for the early developing brain. <i>Medical Image Analysis</i> , 2019, 58, 101540.	11.6	11
32	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.	7.1	82
33	Cortical Foldingprints for Infant Identification. , 2019, 2019, 396-399.		3
34	Charting Development-Based Joint Parcellation Maps Of Human and Macaque Brains During Infancy. , 2019, 2019, 422-425.		0
35	Spherical U-Net For Infant Cortical Surface Parcellation. , 2019, 2019, 1882-1886.		5
36	Correlation Between Hippocampus MRI Radiomic Features and Resting-State Intrahippocampal Functional Connectivity in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 435.	2.8	22

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37	Spherical U-Net on Cortical Surfaces: Methods and Applications. Lecture Notes in Computer Science, 2019, 11492, 855-866.	1.3	37
38	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patch-based groupwise sparse representation. Human Brain Mapping, 2019, 40, 3860-3880.	3.6	31
39	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. NeuroImage, 2019, 198, 114-124.	4.2	18
40	Benchmark on Automatic Six-Month-Old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2219-2230.	8.9	136
41	Infant Brain Development Prediction With Latent Partial Multi-View Representation Learning. IEEE Transactions on Medical Imaging, 2019, 38, 909-918.	8.9	17
42	Computational neuroanatomy of baby brains: A review. NeuroImage, 2019, 185, 906-925.	4.2	125
43	Surface-Volume Consistent Construction of Longitudinal Atlases for the Early Developing Brain. Lecture Notes in Computer Science, 2019, 11765, 815-822.	1.3	4
44	Automated Parcellation of the Cortex Using Structural Connectome Harmonics. Lecture Notes in Computer Science, 2019, 11766, 475-483.	1.3	1
45	Intrinsic Patch-Based Cortical Anatomical Parcellation Using Graph Convolutional Neural Network on Surface Manifold. Lecture Notes in Computer Science, 2019, 11766, 492-500.	1.3	4
46	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. Lecture Notes in Computer Science, 2019, 11767, 475-483.	1.3	39
47	Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties. Lecture Notes in Computer Science, 2019, 11765, 841-849.	1.3	2
48	Deep Granular Feature-Label Distribution Learning for Neuroimaging-Based Infant Age Prediction. Lecture Notes in Computer Science, 2019, 11767, 149-157.	1.3	2
49	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.	3.6	20
50	Robust brain ROI segmentation by deformation regression and deformable shape model. Medical Image Analysis, 2018, 43, 198-213.	11.6	25
51	Registration-Free Infant Cortical Surface Parcellation Using Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, 11072, 672-680.	1.3	21
52	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.	1.3	61
53	A computational method for longitudinal mapping of orientation-specific expansion of cortical surface area in infants. , 2018, 2018, 683-686.		2
54	Construction of spatiotemporal infant cortical surface atlas of rhesus macaque. , 2018, 2018, 704-707.		10

#	ARTICLE	IF	CITATIONS
55	Infant brain development prediction with latent partial multi-view representation learning. , 2018, 2018, 1048-1051.		2
56	Construction of spatiotemporal neonatal cortical surface atlases using a large-scale dataset. , 2018, 2018, 1056-1059.		7
57	A computational method for longitudinal mapping of orientation-specific expansion of cortical surface in infants. Medical Image Analysis, 2018, 49, 46-59.	11.6	3
58	4D Infant Cortical Surface Atlas Construction Using Spherical Patch-Based Sparse Representation. Lecture Notes in Computer Science, 2017, 10433, 57-65.	1.3	15
59	Automatic Hippocampal Subfield Segmentation from 3T Multi-modality Images. Lecture Notes in Computer Science, 2016, 10019, 229-236.	1.3	2
60	Regression Guided Deformable Models for Segmentation of Multiple Brain ROIs. Lecture Notes in Computer Science, 2016, 10019, 237-245.	1.3	0