Li Wang

List of Publications by Year in Descending Order

174 papers	5,645 citations	37 h-index	73 g-index
188 ext. papers	6,943 ext. citations	4.7 avg, IF	5.94 L-index

#	Paper	IF	Citations
174	Path Signature Neural Network of Cortical Features for Prediction of Infant Cognitive Scores.. *IEEE Transactions on Medical Imaging*, **2022**, PP,	11.7	1
173	Alterations in motor functional connectivity in Neonatal Hypoxic Ischemic Encephalopathy.. *Brain Injury*, **2022**, 1-8	2.1	0
172	Remodeling of the Cortical Structural Connectome in Posttraumatic Stress Disorder: Results from the ENIGMA-PGC PTSD Consortium.. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2022**,	3.4	1
171	Volumetric Analysis of Amygdala and Hippocampal Subfields for Infants with Autism.. *Journal of Autism and Developmental Disorders*, **2022**, 1	4.6	1
170	A 4D Infant Brain Volumetric Atlas based on the UNC/UMN Baby Connectome Project (BCP) Cohort.. *NeuroImage*, **2022**, 119097	7.9	0
169	Predicting brain structural network using functional connectivity.. *Medical Image Analysis*, **2022**, 79, 102463	10.4	2
168	A Cascaded Nested Network for 3T Brain MR Image Segmentation Guided by 7T Labeling. *Pattern Recognition*, **2021**, 124, 108420	7.7	2
167	Existence of Functional Connectome Fingerprint During Infancy and Its Stability Over Months. *Journal of Neuroscience*, **2021**,	6.6	1
166	Segmentation with varying contrasts of pediatric MRI. *Advances in Magnetic Resonance Technology and Applications*, **2021**, 2, 265-286	0.1	0
165	Breast Tumor Segmentation in DCE-MRI With Tumor Sensitive Synthesis. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	1
164	Longitudinal brain atlases of early developing cynomolgus macaques from birth to 48 months of age.. *NeuroImage*, **2021**, 247, 118799	7.9	0
163	Maternal Obesity during Pregnancy is Associated with Lower Cortical Thickness in the Neonate Brain. *American Journal of Neuroradiology*, **2021**,	4.4	1
162	Unified framework for early stage status prediction of autism based on infant structural magnetic resonance imaging. *Autism Research*, **2021**, 14, 2512-2523	5.1	1
161	Surface-based analysis of the developing cerebral cortex. *Advances in Magnetic Resonance Technology and Applications*, **2021**, 287-307	0.1	
160	Automatic brain extraction from 3D fetal MR image with deep learning-based multi-step framework. *Computerized Medical Imaging and Graphics*, **2021**, 88, 101848	7.6	3
159	Spherical Deformable U-Net: Application to Cortical Surface Parcellation and Development Prediction. *IEEE Transactions on Medical Imaging*, **2021**, 40, 1217-1228	11.7	13
158	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. *IEEE Transactions on Medical Imaging*, **2021**, 40, 1363-1376	11.7	15

157	Estimating Reference Shape Model for Personalized Surgical Reconstruction of Craniomaxillofacial Defects. *IEEE Transactions on Biomedical Engineering*, **2021**, 68, 362-373	5	3
156	Anatomy-Regularized Representation Learning for Cross-Modality Medical Image Segmentation. *IEEE Transactions on Medical Imaging*, **2021**, 40, 274-285	11.7	6
155	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
154	Construction of Longitudinally Consistent 4D Infant Cerebellum Atlases Based on Deep Learning.. *Lecture Notes in Computer Science*, **2021**, 12904, 139-149	0.9	1
153	Learning Infant Brain Developmental Connectivity for Cognitive Score Prediction. *Lecture Notes in Computer Science*, **2021**, 228-237	0.9	
152	Patient-Specific Reference Model for Planning Orthognathic Surgery **2021**, 105-114		
151	Machine Learning for CBCT Segmentation of Craniomaxillofacial Bony Structures **2021**, 3-13		
150	A Deep Network for Joint Registration and Parcellation of Cortical Surfaces. *Lecture Notes in Computer Science*, **2021**, 171-181	0.9	1
149	Machine Learning for Craniomaxillofacial Landmark Digitization of 3D Imaging **2021**, 15-26		
148	DIKA-Nets: Domain-invariant knowledge-guided attention networks for brain skull stripping of early developing macaques. *NeuroImage*, **2021**, 227, 117649	7.9	6
147	S3Reg: Superfast Spherical Surface Registration Based on Deep Learning. *IEEE Transactions on Medical Imaging*, **2021**, 40, 1964-1976	11.7	8
146	ABCnet: Adversarial bias correction network for infant brain MR images. *Medical Image Analysis*, **2021**, 72, 102133	15.4	2
145	Deep Fusion of Brain Structure-Function in Mild Cognitive Impairment. *Medical Image Analysis*, **2021** , 72, 102082	15.4	5
144	Harmonized neonatal brain MR image segmentation model for cross-site datasets. *Biomedical Signal Processing and Control*, **2021**, 69, 102810	4.9	2
143	The maturation and cognitive relevance of structural brain network organization from early infancy to childhood. *NeuroImage*, **2021**, 238, 118232	7.9	3
142	Effects of prenatal opioid exposure on functional networks in infancy. *Developmental Cognitive Neuroscience*, **2021**, 51, 100996	5.5	2
141	Longitudinal Parcellation of the Infant Cortex Using Multi-modal Connectome Harmonics. *Mathematics and Visualization*, **2021**, 251-261	0.6	
140	Multi-Task Weakly-Supervised Attention Network for Dementia Status Estimation With Structural MRI. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	5

139	Learning 4D Infant Cortical Surface Atlas with Unsupervised Spherical Networks. *Lecture Notes in Computer Science*, **2021**, 262-272	0.9	2
138	Adaptive-Guided-Coupling-Probability Level Set for Retinal Layer Segmentation. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 3236-3247	7.2	0
137	Deep Multi-Scale Mesh Feature Learning for Automated Labeling of Raw Dental Surfaces From 3D Intraoral Scanners. *IEEE Transactions on Medical Imaging*, **2020**, 39, 2440-2450	11.7	28
136	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
135	Gyral Growth Patterns of Macaque Brains Revealed by Scattered Orthogonal Nonnegative Matrix Factorization. *Lecture Notes in Computer Science*, **2020**, 394-403	0.9	
134	Construction of Spatiotemporal Infant Cortical Surface Functional Templates. *Lecture Notes in Computer Science*, **2020**, 12267, 238-248	0.9	1
133	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
132	A Deep Spatial Context Guided Framework for Infant Brain Subcortical Segmentation. *Lecture Notes in Computer Science*, **2020**, 12267, 646-656	0.9	1
131	Disentangled Intensive Triplet Autoencoder for Infant Functional Connectome Fingerprinting. *Lecture Notes in Computer Science*, **2020**, 12267, 72-82	0.9	2
130	Unsupervised Learning for Spherical Surface Registration. *Lecture Notes in Computer Science*, **2020**, 12436, 373-383	0.9	2
129	Semi-supervised Transfer Learning for Infant Cerebellum Tissue Segmentation. *Lecture Notes in Computer Science*, **2020**, 12436, 663-673	0.9	3
128	Mapping hemispheric asymmetries of the macaque cerebral cortex during early brain development. *Human Brain Mapping*, **2020**, 41, 95-106	5.9	17
127	Deep CNN ensembles and suggestive annotations for infant brain MRI segmentation. *Computerized Medical Imaging and Graphics*, **2020**, 79, 101660	7.6	44
126	Context-guided fully convolutional networks for joint craniomaxillofacial bone segmentation and landmark digitization. *Medical Image Analysis*, **2020**, 60, 101621	15.4	27
125	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
124	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
123	Cortical Structure and Cognition in Infants and Toddlers. *Cerebral Cortex*, **2020**, 30, 786-800	5.1	10
122	One-Shot Generative Adversarial Learning for MRI Segmentation of Craniomaxillofacial Bony Structures. *IEEE Transactions on Medical Imaging*, **2020**, 39, 787-796	11.7	11

121	CORTICAL FOLDINGPRINTS FOR INFANT IDENTIFICATION **2019**, 2019, 396-399	1.5	1
120	CHARTING DEVELOPMENT-BASED JOINT PARCELLATION MAPS OF HUMAN AND MACAQUE BRAINS DURING INFANCY **2019**, 2019, 422-425	1.5	
119	SPHERICAL U-NET FOR INFANT CORTICAL SURFACE PARCELLATION **2019**, 2019, 1882-1886	1.5	4
118	Spherical U-Net on Cortical Surfaces: Methods and Applications. *Lecture Notes in Computer Science*, **2019**, 11492, 855-866	0.9	22
117	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
116	Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. *Frontiers in Neuroinformatics*, **2019**, 13, 30	3.9	20
115	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. *NeuroImage*, **2019**, 198, 114-124	7.9	11
114	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. *Medical Image Analysis*, **2019**, 55, 76-87	15.4	13
113	Early-Life Nutrition and Cognitive Development: Imaging Approaches. *Nestle Nutrition Institute Workshop Series*, **2019**, 90, 121-135	1.9	1
112	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. *NeuroImage*, **2019**, 185, 575-592	7.9	16
111	CONSTRUCTION OF 4D NEONATAL CORTICAL SURFACE ATLASES USING WASSERSTEIN DISTANCE **2019**, 2019, 995-998	1.5	2
110	FRNET: FLATTENED RESIDUAL NETWORK FOR INFANT MRI SKULL STRIPPING **2019**, 2019, 999-1002	1.5	3
109	Surface-constrained volumetric registration for the early developing brain. *Medical Image Analysis*, **2019**, 58, 101540	15.4	6
108	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
107	Revealing Developmental Regionalization of Infant Cerebral Cortex Based on Multiple Cortical Properties. *Lecture Notes in Computer Science*, **2019**, 11765, 841-849	0.9	
106	CNS: CycleGAN-Assisted Neonatal Segmentation Model for Cross-Datasets. *Lecture Notes in Computer Science*, **2019**, 172-179	0.9	
105	Surface-Volume Consistent Construction of Longitudinal Atlases for the Early Developing Brain. *Lecture Notes in Computer Science*, **2019**, 11765, 815-822	0.9	2
104	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

103	Benchmark on Automatic 6-month-old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. *IEEE Transactions on Medical Imaging*, **2019**,	11.7	69
102	STRAINet: Spatially Varying sTochastic Residual AdversarIal Networks for MRI Pelvic Organ Segmentation. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 1552-1564	10.3	26
101	Computational neuroanatomy of baby brains: A review. *NeuroImage*, **2019**, 185, 906-925	7.9	82
100	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. *NeuroImage*, **2019**, 185, 891-905	7.9	140
99	3-D Fully Convolutional Networks for Multimodal Isointense Infant Brain Image Segmentation. *IEEE Transactions on Cybernetics*, **2019**, 49, 1123-1136	10.2	85
98	Environmental Influences on Infant Cortical Thickness and Surface Area. *Cerebral Cortex*, **2019**, 29, 1139-1149	5.1	32
97	Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. *IEEE Transactions on Cybernetics*, **2019**, 49, 662-674	10.2	20
96	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
95	Medical Image Synthesis with Deep Convolutional Adversarial Networks. *IEEE Transactions on Biomedical Engineering*, **2018**, 65, 2720-2730	5	231
94	Discovering cortical sulcal folding patterns in neonates using large-scale dataset. *Human Brain Mapping*, **2018**, 39, 3625-3635	5.9	10
93	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
92	Genetic influences on neonatal cortical thickness and surface area. *Human Brain Mapping*, **2018**, 39, 4998-5013	5.9	16
91	Automatic Accurate Infant Cerebellar Tissue Segmentation with Densely Connected Convolutional Network. *Lecture Notes in Computer Science*, **2018**, 11046, 233-240	0.9	2
90	Hierarchical Vertex Regression-Based Segmentation of Head and Neck CT Images for Radiotherapy Planning. *IEEE Transactions on Image Processing*, **2018**, 27, 923-937	8.7	47
89	Registration-Free Infant Cortical Surface Parcellation using Deep Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2018**, 11072, 672-680	0.9	13
88	Topological Correction of Infant Cortical Surfaces Using Anatomically Constrained U-Net. *Lecture Notes in Computer Science*, **2018**, 125-133	0.9	2
87	A COMPUTATIONAL METHOD FOR LONGITUDINAL MAPPING OF ORIENTATION-SPECIFIC EXPANSION OF CORTICAL SURFACE AREA IN INFANTS **2018**, 2018, 683-686	1.5	
86	CONSTRUCTION OF SPATIOTEMPORAL INFANT CORTICAL SURFACE ATLAS OF RHESUS MACAQUE **2018**, 2018, 704-707	1.5	7

85	CONSTRUCTION OF SPATIOTEMPORAL NEONATAL CORTICAL SURFACE ATLASES USING A LARGE-SCALE DATASET **2018**, 2018, 1056-1059	1.5	5
84	Structural and Maturational Covariance in Early Childhood Brain Development. *Cerebral Cortex*, **2017**, 27, 1795-1807	5.1	91
83	Segmentation of Craniomaxillofacial Bony Structures from MRI with a 3D Deep-Learning Based Cascade Framework. *Lecture Notes in Computer Science*, **2017**, 10541, 266-273	0.9	14
82	Learning-based deformable registration for infant MRI by integrating random forest with auto-context model. *Medical Physics*, **2017**, 44, 6289-6303	4.4	13
81	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
80	Scalable Joint Segmentation and Registration Framework for Infant Brain Images. *Neurocomputing*, **2017**, 229, 54-62	5.4	11
79	Cerebellum Tissue Segmentation with Ensemble Sparse Learning **2017**, 25,	0	1
78	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
77	4D Infant Cortical Surface Atlas Construction using Spherical Patch-based Sparse Representation. *Lecture Notes in Computer Science*, **2017**, 10433, 57-65	0.9	12
76	Developmental Patterns Based Individualized Parcellation of Infant Cortical Surface. *Lecture Notes in Computer Science*, **2017**, 10433, 66-74	0.9	1
75	Cortical thickness and surface area in neonates at high risk for schizophrenia. *Brain Structure and Function*, **2016**, 221, 447-61	4	42
74	Estimating CT Image from MRI Data Using 3D Fully Convolutional Networks. *Lecture Notes in Computer Science*, **2016**, 2016, 170-178	0.9	115
73	Learning-Based 3T Brain MRI Segmentation with Guidance from 7T MRI Labeling. *Lecture Notes in Computer Science*, **2016**, 10019, 213-220	0.9	2
72	In vivo MRI based prostate cancer localization with random forests and auto-context model. *Computerized Medical Imaging and Graphics*, **2016**, 52, 44-57	7.6	14
71	Automatic Craniomaxillofacial Landmark Digitization via Segmentation-Guided Partially-Joint Regression Forest Model and Multiscale Statistical Features. *IEEE Transactions on Biomedical Engineering*, **2016**, 63, 1820-1829	5	32
70	Estimating CT Image From MRI Data Using Structured Random Forest and Auto-Context Model. *IEEE Transactions on Medical Imaging*, **2016**, 35, 174-83	11.7	155
69	Automated segmentation of dental CBCT image with prior-guided sequential random forests. *Medical Physics*, **2016**, 43, 336	4.4	33
68	Automated Segmentation of CBCT Image with Prior-Guided Sequential Random Forest. *Lecture Notes in Computer Science*, **2016**, 72-82	0.9	4

67	Learning-Based Topological Correction for Infant Cortical Surfaces. *Lecture Notes in Computer Science*, **2016**, 9900, 219-227	0.9	15
66	Discovering Cortical Folding Patterns in Neonatal Cortical Surfaces Using Large-Scale Dataset. *Lecture Notes in Computer Science*, **2016**, 9900, 10-18	0.9	6
65	Consistent Spatial-Temporal Longitudinal Atlas Construction for Developing Infant Brains. *IEEE Transactions on Medical Imaging*, **2016**, 35, 2568-2577	11.7	27
64	FULLY CONVOLUTIONAL NETWORKS FOR MULTI-MODALITY ISOINTENSE INFANT BRAIN IMAGE SEGMENTATION **2016**, 2016, 1342-1345	1.5	118
63	Learning-based 3T brain MRI segmentation with guidance from 7T MRI labeling. *Medical Physics*, **2016**, 43, 6588	4.4	4
62	Biomechanical Analysis of Normal Brain Development during the First Year of Life Using Finite Strain Theory. *Scientific Reports*, **2016**, 6, 37666	4.9	6
61	Dynamic Development of Regional Cortical Thickness and Surface Area in Early Childhood. *Cerebral Cortex*, **2015**, 25, 2204-12	5.1	200
60	Automatic Craniomaxillofacial Landmark Digitization via Segmentation-Guided Partially-Joint Regression Forest Model. *Lecture Notes in Computer Science*, **2015**, 661-668	0.9	1
59	Craniomaxillofacial Deformity Correction via Sparse Representation in Coherent Space. *Lecture Notes in Computer Science*, **2015**, 69-76	0.9	4
58	LRTV: MR Image Super-Resolution With Low-Rank and Total Variation Regularizations. *IEEE Transactions on Medical Imaging*, **2015**, 34, 2459-66	11.7	135
57	Hierarchical and symmetric infant image registration by robust longitudinal-example-guided correspondence detection. *Medical Physics*, **2015**, 42, 4174-89	4.4	8
56	Estimating patient-specific and anatomically correct reference model for craniomaxillofacial deformity via sparse representation. *Medical Physics*, **2015**, 42, 5809-16	4.4	11
55	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. *Medical Image Analysis*, **2015**, 25, 22-36	15.4	90
54	LINKS: learning-based multi-source IntegratioN frameworK for Segmentation of infant brain images. *NeuroImage*, **2015**, 108, 160-72	7.9	168
53	Deep convolutional neural networks for multi-modality isointense infant brain image segmentation. *NeuroImage*, **2015**, 108, 214-24	7.9	519
52	Parcellation of Infant Surface Atlas Using Developmental Trajectories of Multidimensional Cortical Attributes. *Lecture Notes in Computer Science*, **2015**, 9351, 543-550	0.9	3
51	Soft-Split Random Forest for Anatomy Labeling. *Lecture Notes in Computer Science*, **2015**, 9352, 17-25	0.9	1
50	Longitudinal Guided Super-Resolution Reconstruction of Neonatal Brain MR Images. *Lecture Notes in Computer Science*, **2015**, 8682, 67-76	0.9	4

49	Isointense Infant Brain Segmentation by Stacked Kernel Canonical Correlation Analysis. *Lecture Notes in Computer Science*, **2015**, 9467, 28-36	0.9	1
48	Hierarchical Multi-modal Image Registration by Learning Common Feature Representations. *Lecture Notes in Computer Science*, **2015**, 9352, 203-211	0.9	
47	Segmentation of neonatal brain MR images using patch-driven level sets. *NeuroImage*, **2014**, 84, 141-58	7.9	136
46	Diagnosis of autism spectrum disorders using regional and interregional morphological features. *Human Brain Mapping*, **2014**, 35, 3414-30	5.9	64
45	Simultaneous and consistent labeling of longitudinal dynamic developing cortical surfaces in infants. *Medical Image Analysis*, **2014**, 18, 1274-89	15.4	31
44	Integration of sparse multi-modality representation and anatomical constraint for isointense infant brain MR image segmentation. *NeuroImage*, **2014**, 89, 152-64	7.9	80
43	miR-24 regulates intrinsic apoptosis pathway in mouse cardiomyocytes. *PLoS ONE*, **2014**, 9, e85389	3.7	23
42	Mapping longitudinal hemispheric structural asymmetries of the human cerebral cortex from birth to 2 years of age. *Cerebral Cortex*, **2014**, 24, 1289-300	5.1	96
41	Automated bone segmentation from dental CBCT images using patch-based sparse representation and convex optimization. *Medical Physics*, **2014**, 41, 043503	4.4	52
40	Longitudinal development of cortical thickness, folding, and fiber density networks in the first 2 years of life. *Human Brain Mapping*, **2014**, 35, 3726-37	5.9	39
39	Neonatal atlas construction using sparse representation. *Human Brain Mapping*, **2014**, 35, 4663-77	5.9	32
38	Deep learning based imaging data completion for improved brain disease diagnosis. *Lecture Notes in Computer Science*, **2014**, 17, 305-12	0.9	180
37	Mapping longitudinal development of local cortical gyrification in infants from birth to 2 years of age. *Journal of Neuroscience*, **2014**, 34, 4228-38	6.6	164
36	Measuring the dynamic longitudinal cortex development in infants by reconstruction of temporally consistent cortical surfaces. *NeuroImage*, **2014**, 90, 266-79	7.9	92
35	Constructing 4D infant cortical surface atlases based on dynamic developmental trajectories of the cortex. *Lecture Notes in Computer Science*, **2014**, 17, 89-96	0.9	14
34	Estimating anatomically-correct reference model for craniomaxillofacial deformity via sparse representation. *Lecture Notes in Computer Science*, **2014**, 17, 73-80	0.9	4
33	Sparsity-Learning-Based Longitudinal MR Image Registration for Early Brain Development. *Lecture Notes in Computer Science*, **2014**, 1-8	0.9	2
32	Learning Distance Transform for Boundary Detection and Deformable Segmentation in CT Prostate Images. *Lecture Notes in Computer Science*, **2014**, 8679, 93-100	0.9	15

31	Joint Segmentation and Registration for Infant Brain Images. *Lecture Notes in Computer Science*, **2014**, 13-21	0.9	1
30	Online Discriminative Multi-atlas Learning for Isointense Infant Brain Segmentation. *Lecture Notes in Computer Science*, **2014**, 297-305	0.9	1
29	LINKS: Learning-Based Multi-source IntegratioN FrameworK for Segmentation of Infant Brain Images. *Lecture Notes in Computer Science*, **2014**, 22-33	0.9	3
28	Longitudinally guided level sets for consistent tissue segmentation of neonates. *Human Brain Mapping*, **2013**, 34, 956-72	5.9	61
27	iBEAT: A toolbox for infant brain magnetic resonance image processing. *Neuroinformatics*, **2013**, 11, 211-25	3.2	62
26	Mapping region-specific longitudinal cortical surface expansion from birth to 2 years of age. *Cerebral Cortex*, **2013**, 23, 2724-33	5.1	155
25	Automatic hippocampus segmentation of 7.0 Tesla MR images by combining multiple atlases and auto-context models. *NeuroImage*, **2013**, 83, 335-45	7.9	38
24	Measuring longitudinally dynamic cortex development in infants by reconstruction of consistent cortical surfaces **2013**,		1
23	Patch-driven neonatal brain MRI segmentation with sparse representation and level sets **2013**,		1
22	aBEAT: a toolbox for consistent analysis of longitudinal adult brain MRI. *PLoS ONE*, **2013**, 8, e60344	3.7	7
21	4D segmentation of brain MR images with constrained cortical thickness variation. *PLoS ONE*, **2013**, 8, e64207	3.7	18
20	Altered modular organization of structural cortical networks in children with autism. *PLoS ONE*, **2013**, 8, e63131	3.7	37
19	Automated segmentation of CBCT image using spiral CT atlases and convex optimization. *Lecture Notes in Computer Science*, **2013**, 16, 251-8	0.9	15
18	Low-rank total variation for image super-resolution. *Lecture Notes in Computer Science*, **2013**, 16, 155-62	0.9	13
17	Multi-atlas based simultaneous labeling of longitudinal dynamic cortical surfaces in infants. *Lecture Notes in Computer Science*, **2013**, 16, 58-65	0.9	9
16	Integration of sparse multi-modality representation and geometrical constraint for isointense infant brain segmentation. *Lecture Notes in Computer Science*, **2013**, 16, 703-10	0.9	4
15	LABEL: pediatric brain extraction using learning-based meta-algorithm. *NeuroImage*, **2012**, 62, 1975-86	7.9	136
14	4D multi-modality tissue segmentation of serial infant images. *PLoS ONE*, **2012**, 7, e44596	3.7	55

13	A computational growth model for measuring dynamic cortical development in the first year of life. *Cerebral Cortex*, **2012**, 22, 2272-84	5.1	47
12	Atlas construction via dictionary learning and group sparsity. *Lecture Notes in Computer Science*, **2012**, 15, 247-55	0.9	4
11	4D Segmentation of Longitudinal Brain MR Images with Consistent Cortical Thickness Measurement. *Lecture Notes in Computer Science*, **2012**, 63-75	0.9	2
10	Automatic segmentation of neonatal images using convex optimization and coupled level sets. *NeuroImage*, **2011**, 58, 805-17	7.9	102
9	Learning-based meta-algorithm for MRI brain extraction. *Lecture Notes in Computer Science*, **2011**, 14, 313-21	0.9	12
8	Accurate and Consistent 4D Segmentation of Serial Infant Brain MR Images. *Lecture Notes in Computer Science*, **2011**, 93-101	0.9	3
7	Segmenting Hippocampus from 7.0 Tesla MR Images by Combining Multiple Atlases and Auto-Context Models. *Lecture Notes in Computer Science*, **2011**, 100-108	0.9	3
6	Level Set Segmentation Based on Local Gaussian Distribution Fitting. *Lecture Notes in Computer Science*, **2010**, 293-302	0.9	5
5	Level set segmentation of brain magnetic resonance images based on local Gaussian distribution fitting energy. *Journal of Neuroscience Methods*, **2010**, 188, 316-25	3	51
4	Automatic Segmentation of Neonatal Images Using Convex Optimization and Coupled Level Set Method. *Lecture Notes in Computer Science*, **2010**, 1-10	0.9	1
3	Active contours driven by local Gaussian distribution fitting energy. *Signal Processing*, **2009**, 89, 2435-2447	4.4	357
2	Active contours driven by local and global intensity fitting energy with application to brain MR image segmentation. *Computerized Medical Imaging and Graphics*, **2009**, 33, 520-31	7.6	287
1	Brain MR image segmentation using local and global intensity fitting active contours/surfaces. *Lecture Notes in Computer Science*, **2008**, 11, 384-92	0.9	9