

Weili Lin

List of Publications by Year in descending order

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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	A Structural MRI Study of Human Brain Development from Birth to 2 Years. <i>Journal of Neuroscience</i> , 2008, 28, 12176-12182.	1.7	926
2	Deep convolutional neural networks for multi-modality isointense infant brain image segmentation. <i>NeuroImage</i> , 2015, 108, 214-224.	2.1	662
3	Evidence on the emergence of the brain's default network from 2-week-old to 2-year-old healthy pediatric subjects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6790-6795.	3.3	480
4	Infant Brain Atlases from Neonates to 1- and 2-Year-Olds. <i>PLoS ONE</i> , 2011, 6, e18746.	1.1	458
5	Regional Gray Matter Growth, Sexual Dimorphism, and Cerebral Asymmetry in the Neonatal Brain. <i>Journal of Neuroscience</i> , 2007, 27, 1255-1260.	1.7	389
6	Longitudinal Development of Cortical and Subcortical Gray Matter from Birth to 2 Years. <i>Cerebral Cortex</i> , 2012, 22, 2478-2485.	1.6	377
7	Measuring tortuosity of the intracerebral vasculature from MRA images. <i>IEEE Transactions on Medical Imaging</i> , 2003, 22, 1163-1171.	5.4	339
8	3D conditional generative adversarial networks for high-quality PET image estimation at low dose. <i>NeuroImage</i> , 2018, 174, 550-562.	2.1	298
9	Functional Network Development During the First Year: Relative Sequence and Socioeconomic Correlations. <i>Cerebral Cortex</i> , 2015, 25, 2919-2928.	1.6	275
10	Functional Connectivity of the Infant Human Brain. <i>Neuroscientist</i> , 2017, 23, 169-184.	2.6	265
11	Development of human brain cortical network architecture during infancy. <i>Brain Structure and Function</i> , 2015, 220, 1173-1186.	1.2	240
12	Vessel Tortuosity and Brain Tumor Malignancy. <i>Academic Radiology</i> , 2005, 12, 1232-1240.	1.3	239
13	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. <i>NeuroImage</i> , 2019, 185, 891-905.	2.1	234
14	Temporal and Spatial Evolution of Brain Network Topology during the First Two Years of Life. <i>PLoS ONE</i> , 2011, 6, e25278.	1.1	224
15	LINKS: Learning-based multi-source IntegratioN frameworkK for Segmentation of infant brain images. <i>NeuroImage</i> , 2015, 108, 160-172.	2.1	208
16	In vivo measurement of blood oxygen saturation using magnetic resonance imaging: A direct validation of the blood oxygen level-dependent concept in functional brain imaging. <i>Magnetic Resonance in Medicine</i> , 1997, 5, 341-346.		198
17	Quantitative Measurements of Cerebral Blood Oxygen Saturation Using Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1225-1236.	2.4	198
18	Functional Connectivity MR Imaging Reveals Cortical Functional Connectivity in the Developing Brain. <i>American Journal of Neuroradiology</i> , 2008, 29, 1883-1889.	1.2	194

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19	Development of Thalamocortical Connectivity during Infancy and Its Cognitive Correlations. <i>Journal of Neuroscience</i> , 2014, 34, 9067-9075.	1.7	180
20	Neonatal brain image segmentation in longitudinal MRI studies. <i>NeuroImage</i> , 2010, 49, 391-400.	2.1	177
21	Segmentation of neonatal brain MR images using patch-driven level sets. <i>NeuroImage</i> , 2014, 84, 141-158.	2.1	161
22	The Synchronization within and Interaction between the Default and Dorsal Attention Networks in Early Infancy. <i>Cerebral Cortex</i> , 2013, 23, 594-603.	1.6	147
23	Accurate determination of spin-density and T1 in the presence of RF-field inhomogeneities and flip-angle miscalibration. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 592-602.	1.9	136
24	Benchmark on Automatic Six-Month-Old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2219-2230.	5.4	136
25	Computational neuroanatomy of baby brains: A review. <i>NeuroImage</i> , 2019, 185, 906-925.	2.1	125
26	Cerebral oxygen extraction fraction and cerebral venous blood volume measurements using MRI: Effects of magnetic field variation. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 958-966.	1.9	121
27	Impact of intravascular signal on quantitative measures of cerebral oxygen extraction and blood volume under normo- and hypercapnic conditions using an asymmetric spin echo approach. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 708-716.	1.9	116
28	Measuring the dynamic longitudinal cortex development in infants by reconstruction of temporally consistent cortical surfaces. <i>NeuroImage</i> , 2014, 90, 266-279.	2.1	113
29	Construction of 4D high-definition cortical surface atlases of infants: Methods and applications. <i>Medical Image Analysis</i> , 2015, 25, 22-36.	7.0	112
30	Quantitative measurements of cerebral blood flow in patients with unilateral carotid artery occlusion: A PET and MR study. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 659-667.	1.9	107
31	Spatial distribution and longitudinal development of deep cortical sulcal landmarks in infants. <i>NeuroImage</i> , 2014, 100, 206-218.	2.1	107
32	Intersubject Variability of and Genetic Effects on the Brain's Functional Connectivity during Infancy. <i>Journal of Neuroscience</i> , 2014, 34, 11288-11296.	1.7	105
33	Magnetic resonance cerebral metabolic rate of oxygen utilization in hyperacute stroke patients. <i>Annals of Neurology</i> , 2003, 53, 227-232.	2.8	100
34	In vivo validation of the bold mechanism: A review of signal changes in gradient echo functional MRI in the presence of flow. <i>International Journal of Imaging Systems and Technology</i> , 1995, 6, 153-163.	2.7	99
35	Integration of sparse multi-modality representation and anatomical constraint for isointense infant brain MR image segmentation. <i>NeuroImage</i> , 2014, 89, 152-164.	2.1	96
36	The potential of infant fMRI research and the study of early life stress as a promising exemplar. <i>Developmental Cognitive Neuroscience</i> , 2015, 12, 12-39.	1.9	94

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37	Hemodynamic and permeability changes in posterior reversible encephalopathy syndrome measured by dynamic susceptibility perfusion-weighted MR imaging. <i>American Journal of Neuroradiology</i> , 2005, 26, 825-30.	1.2	92
38	Multi-channel multi-scale fully convolutional network for 3D perivascular spaces segmentation in 7T MR images. <i>Medical Image Analysis</i> , 2018, 46, 106-117.	7.0	91
39	Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. <i>NeuroImage</i> , 2019, 185, 664-684.	2.1	91
40	Associations between white matter microstructure and infants' working memory. <i>NeuroImage</i> , 2013, 64, 156-166.	2.1	90
41	Prenatal and Neonatal Brain Structure and White Matter Maturation in Children at High Risk for Schizophrenia. <i>American Journal of Psychiatry</i> , 2010, 167, 1083-1091.	4.0	88
42	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.	3.3	82
43	Longitudinal Study of the Emerging Functional Connectivity Asymmetry of Primary Language Regions during Infancy. <i>Journal of Neuroscience</i> , 2016, 36, 10883-10892.	1.7	81
44	Cerebral venous and arterial blood volumes can be estimated separately in humans using magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 583-588.	1.9	79
45	Consistent Anterior-Posterior Segregation of the Insula During the First 2 Years of Life. <i>Cerebral Cortex</i> , 2015, 25, 1176-1187.	1.6	77
46	Deep Learning for Fast and Spatially Constrained Tissue Quantification From Highly Accelerated Data in Magnetic Resonance Fingerprinting. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2364-2374.	5.4	77
47	Temporal Relationship Between Apparent Diffusion Coefficient and Absolute Measurements of Cerebral Blood Flow in Acute Stroke Patients. <i>Stroke</i> , 2003, 34, 64-70.	1.0	73
48	Functional MRI in human somatosensory cortex activated by touching textured surfaces. <i>Journal of Magnetic Resonance Imaging</i> , 1996, 6, 565-572.	1.9	72
49	Prenatal Drug Exposure Affects Neonatal Brain Functional Connectivity. <i>Journal of Neuroscience</i> , 2015, 35, 5860-5869.	1.7	72
50	First-year development of modules and hubs in infant brain functional networks. <i>NeuroImage</i> , 2019, 185, 222-235.	2.1	70
51	Prenatal Mild Ventriculomegaly Predicts Abnormal Development of the Neonatal Brain. <i>Biological Psychiatry</i> , 2008, 64, 1069-1076.	0.7	69
52	Contrast-enhanced magnetic resonance angiography of carotid arterial wall in pigs. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 183-190.	1.9	62
53	Predicting standard-dose PET image from low-dose PET and multimodal MR images using mapping-based sparse representation. <i>Physics in Medicine and Biology</i> , 2016, 61, 791-812.	1.6	62
54	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.	1.0	61

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55	Quantitative measurements of cerebral metabolic rate of oxygen utilization using MRI: a volunteer study. <i>NMR in Biomedicine</i> , 2001, 14, 441-447.	1.6	60
56	Evaluation of MR-Derived Cerebral Oxygen Metabolic Index in Experimental Hyperoxic Hypercapnia, Hypoxia, and Ischemia. <i>Stroke</i> , 2009, 40, 2165-2172.	1.0	59
57	Quantitative measurements of regional cerebral blood volume using MRI in rats: Effects of arterial carbon dioxide tension and mannitol. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 420-428.	1.9	58
58	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. <i>Scientific Reports</i> , 2017, 7, 43356.	1.6	58
59	Functional Brain Parcellations of the Infant Brain and the Associated Developmental Trends. <i>Cerebral Cortex</i> , 2018, 28, 1358-1368.	1.6	55
60	Investigating magnetic susceptibility of human knee joint at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1933-1943.	1.9	54
61	MR fingerprinting enables quantitative measures of brain tissue relaxation times and myelin water fraction in the first five years of life. <i>NeuroImage</i> , 2019, 186, 782-793.	2.1	54
62	3 Tesla magnetic resonance imaging of the brain in newborns. <i>Psychiatry Research - Neuroimaging</i> , 2004, 132, 81-85.	0.9	53
63	Visualization of perivascular spaces in the human brain at 7 T: sequence optimization and morphology characterization. <i>NeuroImage</i> , 2016, 125, 895-902.	2.1	53
64	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1363-1376.	5.4	53
65	Cortical thickness and surface area in neonates at high risk for schizophrenia. <i>Brain Structure and Function</i> , 2016, 221, 447-461.	1.2	52
66	Longitudinal development of cortical thickness, folding, and fiber density networks in the first 2 years of life. <i>Human Brain Mapping</i> , 2014, 35, 3726-3737.	1.9	51
67	Experimental hypoxemic hypoxia: Changes in R2* of brain parenchyma accurately reflect the combined effects of changes in arterial and cerebral venous oxygen saturation. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 474-481.	1.9	50
68	Regional cerebral blood volume: A comparison of the dynamic imaging and the steady state methods. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 44-52.	1.9	50
69	Improving high-resolution MR bold venographic imaging using a T1 reducing contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 118-123.	1.9	50
70	Defining the Ischemic Penumbra Using Magnetic Resonance Oxygen Metabolic Index. <i>Stroke</i> , 2015, 46, 982-988.	1.0	49
71	Prediction of standard-dose brain PET image by using MRI and low-dose brain [¹⁸ F]FDG PET images. <i>Medical Physics</i> , 2015, 42, 5301-5309.	1.6	49
72	Automated quantification of cerebral edema following hemispheric infarction: Application of a machine-learning algorithm to evaluate CSF shifts on serial head CTs. <i>NeuroImage: Clinical</i> , 2016, 12, 673-680.	1.4	49

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73	High-resolution 3D MR Fingerprinting using parallel imaging and deep learning. <i>NeuroImage</i> , 2020, 206, 116329.	2.1	49
74	Consensus statement on current and emerging methods for the diagnosis and evaluation of cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1391-1417.	2.4	48
75	Characteristics of magnetic resonance imaging biomarkers in a natural history study of golden retriever muscular dystrophy. <i>Neuromuscular Disorders</i> , 2014, 24, 178-191.	0.3	46
76	Network-Level Connectivity Dynamics of Movie Watching in 6-Year-Old Children. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 631.	1.0	45
77	Initial experience in hybrid PET-MRI for evaluation of refractory focal onset epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 31, 1-4.	0.9	45
78	Practical consideration for 3T imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003, 11, 615-639.	0.6	44
79	The Potential Roles of ¹⁸ F-FDG-PET in Management of Acute Stroke Patients. <i>BioMed Research International</i> , 2013, 2013, 1-14.	0.9	44
80	Quantitative Magnetic Resonance Imaging in Experimental Hypercapnia: Improvement in the Relation between Changes in Brain R2* and the Oxygen Saturation of Venous Blood after Correction for Changes in Cerebral Blood Volume. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 853-862.	2.4	43
81	A review on neuroimaging studies of genetic and environmental influences on early brain development. <i>NeuroImage</i> , 2019, 185, 802-812.	2.1	42
82	Abnormal Vessel Tortuosity as a Marker of Treatment Response of Malignant Gliomas: Preliminary Report. <i>Technology in Cancer Research and Treatment</i> , 2004, 3, 577-584.	0.8	39
83	Harmonization of Infant Cortical Thickness Using Surface-to-Surface Cycle-Consistent Adversarial Networks. <i>Lecture Notes in Computer Science</i> , 2019, 11767, 475-483.	1.0	39
84	Prenatal isolated mild ventriculomegaly is associated with persistent ventricle enlargement at ages 1 and 2. <i>Early Human Development</i> , 2012, 88, 691-698.	0.8	38
85	Segmentation of perivascular spaces in 7 T MR image using auto-context model with orientation-normalized features. <i>NeuroImage</i> , 2016, 134, 223-235.	2.1	38
86	Dilated Dense U-Net for Infant Hippocampus Subfield Segmentation. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 30.	1.3	38
87	Magnetic resonance imaging of the brain with gadopentetate dimeglumine-DTPA: Comparison of T1-weighted spin-echo and 3D gradient-echo sequences. <i>Journal of Magnetic Resonance Imaging</i> , 1996, 6, 415-424.	1.9	37
88	Blood Vessel Morphologic Changes Depicted with MR Angiography during Treatment of Brain Metastases: A Feasibility Study. <i>Radiology</i> , 2007, 245, 824-830.	3.6	37
89	Oxygen metabolism in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1481-1499.	2.4	37
90	Spherical U-Net on Cortical Surfaces: Methods and Applications. <i>Lecture Notes in Computer Science</i> , 2019, 11492, 855-866.	1.0	37

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91	Common variants contribute to intrinsic human brain functional networks. <i>Nature Genetics</i> , 2022, 54, 508-517.	9.4	37
92	Quantitative regional brain water measurement with magnetic resonance imaging in a focal ischemia model. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 303-310.	1.9	36
93	The emergence of a functionally flexible brain during early infancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23904-23913.	3.3	36
94	SPHERE: SPherical Harmonic Elastic REgistration of HARDI data. <i>NeuroImage</i> , 2011, 55, 545-556.	2.1	35
95	Frequency of spontaneous BOLD signal shifts during infancy and correlates with cognitive performance. <i>Developmental Cognitive Neuroscience</i> , 2015, 12, 40-50.	1.9	35
96	Structured Learning for 3-D Perivascular Space Segmentation Using Vascular Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2803-2812.	2.5	35
97	Simultaneous and consistent labeling of longitudinal dynamic developing cortical surfaces in infants. <i>Medical Image Analysis</i> , 2014, 18, 1274-1289.	7.0	34
98	Spatiotemporal patterns of cortical fiber density in developing infants, and their relationship with cortical thickness. <i>Human Brain Mapping</i> , 2015, 36, 5183-5195.	1.9	32
99	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.	1.9	31
100	Development of Amygdala Functional Connectivity During Infancy and Its Relationship With 4-Year Behavioral Outcomes. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 62-71.	1.1	31
101	Signal Evolution and Infarction Risk for Apparent Diffusion Coefficient Lesions in Acute Ischemic Stroke Are Both Time- and Perfusion-Dependent. <i>Stroke</i> , 2011, 42, 1276-1281.	1.0	30
102	Dynamic perfusion and diffusion MRI of cortical spreading depolarization in photothrombotic ischemia. <i>Neurobiology of Disease</i> , 2014, 71, 131-139.	2.1	29
103	Enhancement of Perivascular Spaces in 7T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. <i>Scientific Reports</i> , 2017, 7, 8569.	1.6	29
104	Human milk 3'-Sialyllactose is positively associated with language development during infancy. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 588-597.	2.2	29
105	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. <i>NeuroImage</i> , 2020, 218, 116978.	2.1	28
106	Preexisting Statin Use Is Associated With Greater Reperfusion in Hyperacute Ischemic Stroke. <i>Stroke</i> , 2011, 42, 1307-1313.	1.0	27
107	Probabilistic Air Segmentation and Sparse Regression Estimated Pseudo CT for PET/MR Attenuation Correction. <i>Radiology</i> , 2015, 275, 562-569.	3.6	27
108	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.	7.0	27

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109	Disentangled-Multimodal Adversarial Autoencoder: Application to Infant Age Prediction With Incomplete Multimodal Neuroimages. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4137-4149.	5.4	27
110	Effects of acute normovolemic hemodilution on T2* - weighted images of rat brain. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 857-864.	1.9	26
111	Computerized assessment of vessel morphological changes during treatment of glioblastoma multiforme: Report of a case imaged serially by MRA over four years. <i>NeuroImage</i> , 2009, 47, T143-T151.	2.1	26
112	Submillimeter MR fingerprinting using deep learning-based tissue quantification. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 579-591.	1.9	26
113	Intravascular contrast agent improves magnetic resonance angiography of carotid arteries in minipigs. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 963-971.	1.9	25
114	STGP: Spatio-temporal Gaussian process models for longitudinal neuroimaging data. <i>NeuroImage</i> , 2016, 134, 550-562.	2.1	25
115	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. <i>NeuroImage</i> , 2019, 185, 575-592.	2.1	25
116	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.	1.9	25
117	Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. <i>NeuroImage</i> , 2019, 185, 783-792.	2.1	24
118	Joint prediction of longitudinal development of cortical surfaces and white matter fibers from neonatal MRI. <i>NeuroImage</i> , 2017, 152, 411-424.	2.1	23
119	Ultra-Fast T2-Weighted MR Reconstruction Using Complementary T1-Weighted Information. <i>Lecture Notes in Computer Science</i> , 2018, 11070, 215-223.	1.0	23
120	Denoising of Diffusion MRI Data via Graph Framelet Matching in x-q Space. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2838-2848.	5.4	23
121	Imaging Oxygen Metabolism in Acute Stroke Using MRI. <i>Current Radiology Reports</i> , 2014, 2, 39.	0.4	22
122	Evaluation of PET/MRI for Tumor Volume Delineation for Head and Neck Cancer. <i>Frontiers in Oncology</i> , 2017, 7, 8.	1.3	22
123	Enhancement of Perivascular Spaces Using Densely Connected Deep Convolutional Neural Network. <i>IEEE Access</i> , 2019, 7, 18382-18391.	2.6	22
124	RCA-U-Net: Residual Channel Attention U-Net for Fast Tissue Quantification in Magnetic Resonance Fingerprinting. <i>Lecture Notes in Computer Science</i> , 2019, 11766, 101-109.	1.0	22
125	Alternate Metabolic Programs Define Regional Variation of Relevant Biological Features in Renal Cell Carcinoma Progression. <i>Clinical Cancer Research</i> , 2016, 22, 2950-2959.	3.2	21
126	Registration-Free Infant Cortical Surface Parcellation Using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018, 11072, 672-680.	1.0	21

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127	Learning MRI artefact removal with unpaired data. <i>Nature Machine Intelligence</i> , 2021, 3, 60-67.	8.3	21
128	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.	1.9	20
129	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. <i>Environmental Health Perspectives</i> , 2022, 130, 27013.	2.8	20
130	A unified optimization approach for diffusion tensor imaging technique. <i>NeuroImage</i> , 2009, 44, 729-741.	2.1	19
131	Scalable joint segmentation and registration framework for infant brain images. <i>Neurocomputing</i> , 2017, 229, 54-62.	3.5	19
132	Brain functional development separates into three distinct time periods in the first two years of life. <i>NeuroImage</i> , 2019, 189, 715-726.	2.1	19
133	Noninvasive Measurements of Cerebral Blood Flow, Oxygen Extraction Fraction, and Oxygen Metabolic Index in Human with Inhalation of Air and Carbogen using Magnetic Resonance Imaging. <i>Translational Stroke Research</i> , 2012, 3, 246-254.	2.3	18
134	Emergence of a hierarchical brain during infancy reflected by stepwise functional connectivity. <i>Human Brain Mapping</i> , 2017, 38, 2666-2682.	1.9	18
135	Discovering cortical sulcal folding patterns in neonates using large-scale dataset. <i>Human Brain Mapping</i> , 2018, 39, 3625-3635.	1.9	18
136	Topological correction of infant white matter surfaces using anatomically constrained convolutional neural network. <i>NeuroImage</i> , 2019, 198, 114-124.	2.1	18
137	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. <i>Medical Image Analysis</i> , 2019, 55, 76-87.	7.0	18
138	Effects of prenatal opioid exposure on functional networks in infancy. <i>Developmental Cognitive Neuroscience</i> , 2021, 51, 100996.	1.9	18
139	Oxygen Metabolism in Ischemic Stroke Using Magnetic Resonance Imaging. <i>Translational Stroke Research</i> , 2012, 3, 65-75.	2.3	17
140	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.	1.9	17
141	Initial assessment of 3D magnetic resonance fingerprinting (MRF) towards quantitative brain imaging for radiation therapy. <i>Medical Physics</i> , 2020, 47, 1199-1214.	1.6	17
142	S3Reg: Superfast Spherical Surface Registration Based on Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1964-1976.	5.4	17
143	Estimation of Brain Network Atlases Using Diffusive-Shrinking Graphs: Application to Developing Brains. <i>Lecture Notes in Computer Science</i> , 2017, 10265, 385-397.	1.0	17
144	Existence of Functional Connectome Fingerprint during Infancy and Its Stability over Months. <i>Journal of Neuroscience</i> , 2022, 42, 377-389.	1.7	17

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145	Clinically Relevant Reperfusion in Acute Ischemic Stroke: MTT Performs Better than Tmax and TTP. Translational Stroke Research, 2014, 5, 415-421.	2.3	16
146	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
147	Frnet: Flattened Residual Network for Infant MRI Skull Stripping. , 2019, 2019, 999-1002.		15
148	4D Infant Cortical Surface Atlas Construction Using Spherical Patch-Based Sparse Representation. Lecture Notes in Computer Science, 2017, 10433, 57-65.	1.0	15
149	Defining the Ischemic Penumbra Using Hyperacute Neuroimaging: Deriving Quantitative Ischemic Thresholds. Translational Stroke Research, 2012, 3, 198-204.	2.3	14
150	Can we predict subject-specific dynamic cortical thickness maps during infancy from birth?. Human Brain Mapping, 2017, 38, 2865-2874.	1.9	14
151	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
152	The maturation and cognitive relevance of structural brain network organization from early infancy to childhood. NeuroImage, 2021, 238, 118232.	2.1	14
153	Early Changes of Tissue Perfusion After Tissue Plasminogen Activator in Hyperacute Ischemic Stroke. Stroke, 2011, 42, 65-72.	1.0	13
154	Unpaired Deep Cross-Modality Synthesis with Fast Training. Lecture Notes in Computer Science, 2018, 11045, 155-164.	1.0	13
155	A 4D infant brain volumetric atlas based on the UNC/UMN baby connectome project (BCP) cohort. NeuroImage, 2022, 253, 119097.	2.1	13
156	Lateral ventricle morphology analysis via mean latitude axis. , 2013, 8672, .		12
157	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
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