A reproducible evaluation of ANTs similarity metric per registration

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Citation Report

#	Article	IF	CITATIONS
1	A Low Noise CMOS Integrated Signal Processor for Multi-Element Particle Detectors., 1988,,.		12
2	Pedagogical immigration to 3D virtual worlds: A critical review of underlying themes and their concepts. , 2010, , .		6
3	Automatic morphometry in Alzheimer's disease and mild cognitive impairment. NeuroImage, 2011, 56, 2024-2037.	2.1	120
4	High Dimensional Classification of Structural MRI Alzheimer?s Disease Data Based on Large Scale Regularization. Frontiers in Neuroinformatics, 2011, 5, 22.	1.3	81
5	Progressive adaptation in regional parenchyma mechanics following extensive lung resection assessed by functional computed tomography. Journal of Applied Physiology, 2011, 111, 1150-1158.	1.2	23
6	Accelerating Image Registration With the Johnson–Lindenstrauss Lemma: Application to Imaging 3-D Neural Ultrastructure With Electron Microscopy. IEEE Transactions on Medical Imaging, 2011, 30, 1427-1438.	5.4	9
7	Evaluation of Registration Methods on Thoracic CT: The EMPIRE10 Challenge. IEEE Transactions on Medical Imaging, 2011, 30, 1901-1920.	5.4	363
8	An Open Source Multivariate Framework for n-Tissue Segmentation with Evaluation on Public Data. Neuroinformatics, 2011, 9, 381-400.	1.5	515
9	Ventilationâ€based segmentation of the lungs using hyperpolarized ³ He MRI. Journal of Magnetic Resonance Imaging, 2011, 34, 831-841.	1.9	59
10	Methodology to register prostate B-mode and ARFI images to MR and histology. , 2011, , .		1
11	Age-Specific MRI Templates for Pediatric Neuroimaging. Developmental Neuropsychology, 2012, 37, 379-399.	1.0	141
12	Dual-energy micro-CT of the rodent lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L1088-L1097.	1.3	45
13	The neural basis for establishing a focal point in pure coordination games. Social Cognitive and Affective Neuroscience, 2012, 7, 881-887.	1.5	20
15	Registration-based segmentation of murine 4D cardiac micro-CT data using symmetric normalization. Physics in Medicine and Biology, 2012, 57, 6125-6145.	1.6	14
16	Fully automatic segmentation of the open mitral leaflets in 3D transesophageal echocardiographic images using multi-atlas label fusion and deformable medial modeling. , 2012 , , .		0
17	Lung imaging in rodents using dual energy micro-CT. , 2012, 8317, .		5
18	A comparison of sampling strategies for dual energy micro-CT. , 2012, , .		7
19	Longitudinal Reproducibility and Accuracy of Pseudo-Continuous Arterial Spin–labeled Perfusion MR Imaging in Typically Developing Children. Radiology, 2012, 263, 527-536.	3.6	86

#	Article	IF	CITATIONS
20	Dynamic shape modeling of the mitral valve from real-time 3D ultrasound images using continuous medial representation. , 2012 , , .		0
21	eMouseAtlas, EMAGE, and the spatial dimension of the transcriptome. Mammalian Genome, 2012, 23, 514-524.	1.0	35
22	Foibles, follies, and fusion: Web-based collaboration for medical image labeling. NeuroImage, 2012, 59, 530-539.	2.1	11
23	Analysis of automated methods for spatial normalization of lesioned brains. NeuroImage, 2012, 60, 1296-1306.	2.1	133
24	Quantitative mouse brain phenotyping based on single and multispectral MR protocols. NeuroImage, 2012, 63, 1633-1645.	2.1	31
25	A Qualitative Meta Analysis Review on Medical Image Registration Evaluation. Procedia Engineering, 2012, 29, 499-503.	1.2	3
26	Evaluation of the registration of temporal series of contrast-enhanced perfusion magnetic resonance 3D images of the liver. Computer Methods and Programs in Biomedicine, 2012, 108, 932-945.	2.6	9
27	Transcriptome Tomography for Brain Analysis in the Web-Accessible Anatomical Space. PLoS ONE, 2012, 7, e45373.	1.1	17
28	Improvements on the Feasibility of Active Shape Model-based Subthalamic Nucleus Segmentation. Biomedizinische Technik, 2012, 57, .	0.9	3
29	Functionally distinct regions for spatial processing and sensory motor integration in the planum temporale. Human Brain Mapping, 2012, 33, 2453-2463.	1.9	35
30	Common Atlas Format and 3D Brain Atlas Reconstructor: Infrastructure for Constructing 3D Brain Atlases. Neuroinformatics, 2012, 10, 181-197.	1.5	46
31	Performing label-fusion-based segmentation using multiple automatically generated templates. Human Brain Mapping, 2013, 34, 2635-2654.	1.9	311
32	Reproducibility of functional network metrics and network structure: A comparison of task-related BOLD, resting ASL with BOLD contrast, and resting cerebral blood flow. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 627-640.	1.0	16
33	Methamphetamine-induced increases in putamen gray matter associate with inhibitory control. Psychopharmacology, 2013, 229, 527-538.	1.5	46
34	Quantitative MRI for studying neonatal brain development. Neuroradiology, 2013, 55, 97-104.	1.1	21
35	Evaluating similarity measures for brain image registration. Journal of Visual Communication and Image Representation, 2013, 24, 977-987.	1.7	38
36	Statistical analysis of brain tissue images in the wavelet domain: Wavelet-based morphometry. Neurolmage, 2013, 72, 214-226.	2.1	16
37	Interactions between White Matter Asymmetry and Language during Neurodevelopment. Journal of Neuroscience, 2013, 33, 16170-16177.	1.7	77

#	Article	IF	CITATIONS
38	Anatomical MRI templates of tree shrew brain for volumetric analysis and voxel-based morphometry. Journal of Neuroscience Methods, 2013, 220, 9-17.	1.3	11
39	Multimodal Brain Image Analysis. Lecture Notes in Computer Science, 2013, , .	1.0	7
40	Cerebral magnetic resonance elastography in supranuclear palsy and idiopathic Parkinson's disease. Neurolmage: Clinical, 2013, 3, 381-387.	1.4	76
41	Factors associated with feeding difficulties in the very preterm infant. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, e539-e545.	0.7	93
42	Quantifying the reliability of image replication studies: The image intraclass correlation coefficient (I2C2). Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 714-724.	1.0	84
43	Multiple Atlas Construction From A Heterogeneous Brain MR Image Collection. IEEE Transactions on Medical Imaging, 2013, 32, 628-635.	5.4	13
44	Automatic magnetic resonance spinal cord segmentation with topology constraints for variable fields of view. Neurolmage, 2013, 83, 1051-1062.	2.1	63
45	Heterogeneous impact of motion on fundamental patterns of developmental changes in functional connectivity during youth. Neurolmage, 2013, 83, 45-57.	2.1	223
46	Early gray-matter and white-matter concentration in infancy predict later language skills: A whole brain voxel-based morphometry study. Brain and Language, 2013, 124, 34-44.	0.8	64
47	Imaging in pleural mesothelioma: A review of the 11th International Conference of the International Mesothelioma Interest Group. Lung Cancer, 2013, 82, 190-196.	0.9	37
48	Nonrigid Image Registration With Crystal Dislocation Energy. IEEE Transactions on Image Processing, 2013, 22, 229-243.	6.0	7
49	A Magnetic Resonance Imaging Study of Cerebellar Volume in Tuberous Sclerosis Complex. Pediatric Neurology, 2013, 48, 105-110.	1.0	25
50	A quantitative magnetic resonance histology atlas of postnatal rat brain development with regional estimates of growth and variability. NeuroImage, 2013, 71, 196-206.	2.1	102
51	4D Modeling and Estimation of Respiratory Motion for Radiation Therapy. Biological and Medical Physics Series, 2013, , .	0.3	26
52	Self-appraisal in behavioural variant frontotemporal degeneration. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 148-153.	0.9	26
53	Voxel-wise displacement as independent features in classification of multiple sclerosis., 2013, 8669, .		2
54	Longitudinal assessment of treatment effects on pulmonary ventilation using 1H/3He MRI multivariate templates. , 2013, , .		0
55	Distributed hippocampal patterns that discriminate reward context are associated with enhanced associative binding Journal of Experimental Psychology: General, 2013, 142, 1264-1276.	1.5	35

#	Article	IF	CITATIONS
56	Amodal Processing in Human Prefrontal Cortex. Journal of Neuroscience, 2013, 33, 11573-11587.	1.7	43
57	Hippocampal and neocortical oscillatory contributions to visuospatial binding and comparison Journal of Experimental Psychology: General, 2013, 142, 1335-1345.	1.5	27
58	Regional and Hemispheric Variation in Cortical Thickness in Chimpanzees (<i>Pan troglodytes</i>). Journal of Neuroscience, 2013, 33, 5241-5248.	1.7	30
59	Medial and Lateral Networks in Anterior Prefrontal Cortex Support Metacognitive Ability for Memory and Perception. Journal of Neuroscience, 2013, 33, 16657-16665.	1.7	251
60	Functional Maturation of the Executive System during Adolescence. Journal of Neuroscience, 2013, 33, 16249-16261.	1.7	225
61	Quantification and Analysis of Large Multimodal Clinical Image Studies: Application to Stroke. Lecture Notes in Computer Science, 2013, 8159, 18-30.	1.0	15
62	The ANTs cortical thickness processing pipeline. Proceedings of SPIE, 2013, , .	0.8	24
63	Associations between children's socioeconomic status and prefrontal cortical thickness. Developmental Science, 2013, 16, 641-652.	1.3	198
64	Assessing the Performance of Atlas-Based Prefrontal Brain Parcellation in an Aging Cohort. Journal of Computer Assisted Tomography, 2013, 37, 257-264.	0.5	8
65	Statistical Analysis of Brain MRI Data. Japanese Journal of Biometrics, 2013, 33, 145-174.	0.0	2
66	Longitudinal Assessment of Amyloid Pathology in Transgenic ArcAÎ ² Mice Using Multi-Parametric Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e66097.	1.1	38
67	Age-Specific Average Head Template for Typically Developing 6-Month-Old Infants. PLoS ONE, 2013, 8, e73821.	1.1	21
68	Neuroimaging Evidence of Major Morpho-Anatomical and Functional Abnormalities in the BTBR T+TF/J Mouse Model of Autism. PLoS ONE, 2013, 8, e76655.	1.1	115
69	Atlas-Guided Cluster Analysis of Large Tractography Datasets. PLoS ONE, 2013, 8, e83847.	1.1	28
70	Integration of ultra-high field MRI and histology for connectome based research of brain disorders. Frontiers in Neuroanatomy, 2013, 7, 31.	0.9	24
71	The default modes of reading: modulation of posterior cingulate and medial prefrontal cortex connectivity associated with comprehension and task focus while reading. Frontiers in Human Neuroscience, 2013, 7, 734.	1.0	54
72	Explicit B-spline regularization in diffeomorphic image registration. Frontiers in Neuroinformatics, 2013, 7, 39.	1.3	193
73	Instrumentation bias in the use and evaluation of scientific software: recommendations for reproducible practices in the computational sciences. Frontiers in Neuroscience, 2013, 7, 162.	1.4	28

#	Article	IF	Citations
74	Dual-Energy Micro-CT Functional Imaging of Primary Lung Cancer in Mice Using Gold and Iodine Nanoparticle Contrast Agents: A Validation Study. PLoS ONE, 2014, 9, e88129.	1.1	84
75	A Semi-Automated Pipeline for the Segmentation of Rhesus Macaque Hippocampus: Validation across a Wide Age Range. PLoS ONE, 2014, 9, e89456.	1.1	8
76	A Diffusion-Tensor-Based White Matter Atlas for Rhesus Macaques. PLoS ONE, 2014, 9, e107398.	1.1	32
77	Dynamic network participation of functional connectivity hubs assessed by resting-state fMRI. Frontiers in Human Neuroscience, 2014, 8, 195.	1.0	67
78	The Insight ToolKit image registration framework. Frontiers in Neuroinformatics, 2014, 8, 44.	1.3	462
79	Cyberinfrastructure for the digital brain: spatial standards for integrating rodent brain atlases. Frontiers in Neuroinformatics, 2014, 8, 74.	1.3	20
80	T1-weighted MRI as a substitute to CT for refocusing planning in MR-guided focused ultrasound. Physics in Medicine and Biology, 2014, 59, 3599-3614.	1.6	23
81	Investigating brain connectivity heritability in a twin study using diffusion imaging data. Neurolmage, 2014, 100, 628-641.	2.1	33
82	Internal Three-Dimensional Strains in Human Intervertebral Discs Under Axial Compression Quantified Noninvasively by Magnetic Resonance Imaging and Image Registration. Journal of Biomechanical Engineering, 2014, 136, .	0.6	27
83	Construction of a Deformable Spatiotemporal MRI Atlas of the Fetal Brain: Evaluation of Similarity Metrics and Deformation Models. Lecture Notes in Computer Science, 2014, 17, 292-299.	1.0	32
84	EMAGE mouse embryo spatial gene expression database: 2014 update. Nucleic Acids Research, 2014, 42, D835-D844.	6.5	126
85	Neuroimaging to Investigate Multisystem Involvement and Provide Biomarkers in Amyotrophic Lateral Sclerosis. BioMed Research International, 2014, 2014, 1-10.	0.9	29
86	Structural network efficiency is associated with cognitive impairment in small-vessel disease. Neurology, 2014, 83, 304-311.	1.5	242
87	An allometric scaling relationship in the brain of preterm infants. Annals of Clinical and Translational Neurology, 2014, $1,933-937$.	1.7	7
88	Dual-energy micro-CT imaging of pulmonary airway obstruction: correlation with micro-SPECT. Proceedings of SPIE, 2014, , .	0.8	0
89	Analysis of macular OCT images using deformable registration. Biomedical Optics Express, 2014, 5, 2196.	1.5	28
90	Cartilage-defect assessment by measuring thickness of knee MRI: Data from the osteoarthritis initiative. , 2014 , , .		0
91	A framework for building multi-tissue atlas of zebrafish embryo. , 2014, , .		0

#	Article	IF	CITATIONS
92	3D in vivo ARFI imaging: Prostate cancer sensitivity., 2014,,.		0
93	Prefrontal transcranial direct current stimulation alters activation and connectivity in cortical and subcortical reward systems: A tDCSâ€fMRI study. Human Brain Mapping, 2014, 35, 3673-3686.	1.9	157
94	Depressive mood modulates the anterior lateral CA1 and DG/CA3 during a pattern separation task in cognitively intact individuals: A functional MRI study. Hippocampus, 2014, 24, 214-224.	0.9	33
95	A method for quantitative analysis of regional lung ventilation using deformable image registration of CT and hybrid hyperpolarized gas/1H MRI. Physics in Medicine and Biology, 2014, 59, 7267-7277.	1.6	24
96	White matter development and early cognition in babies and toddlers. Human Brain Mapping, 2014, 35, 4475-4487.	1.9	158
97	Postnatal development of the hippocampus in the Rhesus macaque (<i>Macaca mulatta</i>): A longitudinal magnetic resonance imaging study. Hippocampus, 2014, 24, 794-807.	0.9	26
98	Medial meniscal displacement and strain in three dimensions under compressive loads: MR assessment. Journal of Magnetic Resonance Imaging, 2014, 40, 1181-1188.	1.9	40
99	Diffusion Tensor Imaging Reveals White Matter Injury in a Rat Model of Repetitive Blast-Induced Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 938-950.	1.7	51
100	Laminar activity in the hippocampus and entorhinal cortex related to novelty and episodic encoding. Nature Communications, 2014, 5, 5547.	5.8	90
101	Unilateral disruptions in the default network with aging in native space. Brain and Behavior, 2014, 4, 143-157.	1.0	37
102	Sâ€HAMMER: Hierarchical attributeâ€guided, symmetric diffeomorphic registration for MR brain images. Human Brain Mapping, 2014, 35, 1044-1060.	1.9	47
103	Thalamic Connectivity in Patients with Essential Tremor Treated with MR Imaging–guided Focused Ultrasound: In Vivo Fiber Tracking by Using Diffusion-Tensor MR Imaging. Radiology, 2014, 272, 202-209.	3.6	57
104	Medical Computer Vision: Algorithms for Big Data. Lecture Notes in Computer Science, 2014, , .	1.0	3
105	The burden of microstructural damage modulates cortical activation in elderly subjects with MCI and leukoâ€araiosis. A DTI and fMRI study. Human Brain Mapping, 2014, 35, 819-830.	1.9	48
106	Computing global minimizers to a constrained Bâ€spline image registration problem from optimal <i>l</i> ₁ perturbations to block match data. Medical Physics, 2014, 41, 041904.	1.6	17
107	Pattern separation of emotional information in hippocampal dentate and CA3. Hippocampus, 2014, 24, 1146-1155.	0.9	86
108	Statistical label fusion with hierarchical performance models. , 2014, 9034, 90341E.		18
109	White Matter Integrity Determined With Diffusion Tensor Imaging in Older Adults Without Dementia. JAMA Neurology, 2014, 71, 1547.	4.5	57

#	Article	IF	CITATIONS
110	Phosphorylated Tau as a Candidate Biomarker for Amyotrophic Lateral Sclerosis. JAMA Neurology, 2014, 71, 442.	4.5	74
111	Long-Term Oral Methylphenidate Treatment in Adolescent and Adult Rats: Differential Effects on Brain Morphology and Function. Neuropsychopharmacology, 2014, 39, 263-273.	2.8	32
112	Neuroanatomical phenotypes in a mouse model of the $22q11.2$ microdeletion. Molecular Psychiatry, $2014, 19, 99-107$.	4.1	55
113	The power of neuroimaging biomarkers for screening frontotemporal dementia. Human Brain Mapping, 2014, 35, 4827-4840.	1.9	48
114	Whole-Brain Imaging with Single-Cell Resolution Using Chemical Cocktails and Computational Analysis. Cell, 2014, 157, 726-739.	13.5	1,097
115	Genetic Effects on Cerebellar Structure Across Mouse Models of Autism Using a Magnetic Resonance Imaging Atlas. Autism Research, 2014, 7, 124-137.	2.1	148
116	Progression of brain atrophy in the early stages of Parkinson's disease: A longitudinal tensorâ€based morphometry study in de novo patients without cognitive impairment. Human Brain Mapping, 2014, 35, 3932-3944.	1.9	75
117	Sparse canonical correlation analysis relates network-level atrophy to multivariate cognitive measures in a neurodegenerative population. Neurolmage, 2014, 84, 698-711.	2.1	7 3
118	Multimodal MR imaging model to predict tumor infiltration in patients with gliomas. Neuroradiology, 2014, 56, 107-115.	1.1	25
119	Motion-compensated compressed sensing for dynamic contrast-enhanced MRI using regional spatiotemporal sparsity and region tracking: Block low-rank sparsity with motion-guidance (BLOSM). Magnetic Resonance in Medicine, 2014, 72, 1028-1038.	1.9	56
120	Value-driven attentional priority signals in human basal ganglia and visual cortex. Brain Research, 2014, 1587, 88-96.	1.1	134
121	Maternal obesity and increased risk for autism and developmental delay among very preterm infants. Journal of Perinatology, 2014, 34, 688-692.	0.9	79
122	Impact of Social Status and Antidepressant Treatment on Neurogenesis in the Baboon Hippocampus. Neuropsychopharmacology, 2014, 39, 1861-1871.	2.8	60
123	Memory reactivation during rest supports upcoming learning of related content. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15845-15850.	3.3	103
124	Comparative Evaluation of Registration Algorithms in Different Brain Databases With Varying Difficulty: Results and Insights. IEEE Transactions on Medical Imaging, 2014, 33, 2039-2065.	5.4	144
125	Bimodal Nonrigid Registration of Brain MRI Data With Deconvolution of Joint Statistics. IEEE Transactions on Image Processing, 2014, 23, 3999-4009.	6.0	6
126	Object and spatial mnemonic interference differentially engage lateral and medial entorhinal cortex in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4264-73.	3.3	182
127	Correlation of diffusion tensor tractography and intraoperative macrostimulation during deep brain stimulation for Parkinson disease. Journal of Neurosurgery, 2014, 121, 929-935.	0.9	16

#	ARTICLE	IF	CITATIONS
128	Hierarchical performance estimation in the statistical label fusion framework. Medical Image Analysis, 2014, 18, 1070-1081.	7.0	36
129	Mapping cortical haemodynamics during neonatal seizures using diffuse optical tomography: A case study. Neurolmage: Clinical, 2014, 5, 256-265.	1.4	43
130	CA ₁ subfield contributions to memory integration and inference. Hippocampus, 2014, 24, 1248-1260.	0.9	133
131	Fast Geodesic Active Fields for Image Registration Based on Splitting and Augmented Lagrangian Approaches. IEEE Transactions on Image Processing, 2014, 23, 673-683.	6.0	1
132	Changes in the Thalamus in Atypical Parkinsonism Detected Using Shape Analysis and Diffusion Tensor Imaging. American Journal of Neuroradiology, 2014, 35, 897-903.	1.2	18
133	Mapping track density changes in nigrostriatal and extranigral pathways in Parkinson's disease. Neurolmage, 2014, 99, 498-508.	2.1	58
134	PORTR: Pre-Operative and Post-Recurrence Brain Tumor Registration. IEEE Transactions on Medical Imaging, 2014, 33, 651-667.	5.4	37
135	Improved DTI registration allows voxel-based analysis that outperforms Tract-Based Spatial Statistics. NeuroImage, 2014, 94, 65-78.	2.1	155
136	Genetic and neuroanatomic associations in sporadic frontotemporal lobar degeneration. Neurobiology of Aging, 2014, 35, 1473-1482.	1.5	43
137	Measurement of in vivo cerebral volumetric strain induced by the Valsalva maneuver. Journal of Biomechanics, 2014, 47, 1652-1657.	0.9	26
138	Fully automatic segmentation of the mitral leaflets in 3D transesophageal echocardiographic images using multi-atlas joint label fusion and deformable medial modeling. Medical Image Analysis, 2014, 18, 118-129.	7.0	70
139	Associations between white matter microstructure and amyloid burden in preclinical Alzheimer's disease: A multimodal imaging investigation. NeuroImage: Clinical, 2014, 4, 604-614.	1.4	119
140	Quantifying inter-individual anatomical variability in the subcortex using 7 T structural MRI. NeuroImage, 2014, 94, 40-46.	2.1	204
141	Large-scale evaluation of ANTs and FreeSurfer cortical thickness measurements. NeuroImage, 2014, 99, 166-179.	2.1	560
142	Subject-specific functional parcellation via Prior Based Eigenanatomy. Neurolmage, 2014, 99, 14-27.	2.1	13
143	Strategic lacunes and their relationship to cognitive impairment in cerebral small vessel disease. Neurolmage: Clinical, 2014, 4, 828-837.	1.4	65
144	Oxygenâ€enhanced 3D radial ultrashort echo time magnetic resonance imaging in the healthy human lung. NMR in Biomedicine, 2014, 27, 1535-1541.	1.6	62
145	Lung ventilation volumetry with sameâ€breath acquisition of hyperpolarized gas and proton MRI. NMR in Biomedicine, 2014, 27, 1461-1467.	1.6	26

#	Article	IF	CITATIONS
146	Clinical deep brain stimulation region prediction using regression forests from high-field MRI. , 2015, , .		3
147	A probabilistic atlas of the basal ganglia using 7 T MRI. Data in Brief, 2015, 4, 577-582.	0.5	64
149	The pediatric template of brain perfusion. Scientific Data, 2015, 2, 150003.	2.4	53
150	Alterations in dorsal and ventral posterior cingulate connectivity in APOE <i>$\hat{l}\mu$</i> 4 carriers at risk of Alzheimer's disease. BJPsych Open, 2015, 1, 139-148.	0.3	5
151	Deformable registration for quantifying longitudinal tumor changes during neoadjuvant chemotherapy. Magnetic Resonance in Medicine, 2015, 73, 2343-2356.	1.9	30
152	Rat Brain Normalization Templates for Robust Regional Analysis of [11 C]ABP688 Positron Emission Tomography/Computed Tomography. Molecular Imaging, 2015, 14, 7290.2014.00037.	0.7	13
153	Hippocampal unified multi-atlas network (HUMAN): protocol and scale validation of a novel segmentation tool. Physics in Medicine and Biology, 2015, 60, 8851-8867.	1.6	31
154	Estimation of arterial arrival time and cerebral blood flow from QUASAR arterial spin labeling using stable spline. Magnetic Resonance in Medicine, 2015, 74, 1758-1767.	1.9	2
155	Age-specific MRI brain and head templates for healthy adults from 20 through 89 years of age. Frontiers in Aging Neuroscience, 2015, 7, 44.	1.7	94
156	Estimating frontal and parietal involvement in cognitive estimation: a study of focal neurodegenerative diseases. Frontiers in Human Neuroscience, 2015, 9, 317.	1.0	19
157	Apathy in Frontotemporal Degeneration: Neuroanatomical Evidence of Impaired Goal-directed Behavior. Frontiers in Human Neuroscience, 2015, 9, 611.	1.0	57
158	Impact of hematocrit on measurements of the intrinsic brain. Frontiers in Neuroscience, 2014, 8, 452.	1.4	14
159	Statistical image analysis of longitudinal RAVENS images. Frontiers in Neuroscience, 2015, 9, 368.	1.4	4
160	Three-Dimensional Histology Volume Reconstruction of Axonal Tract Tracing Data: Exploring Topographical Organization in Subcortical Projections from Rat Barrel Cortex. PLoS ONE, 2015, 10, e0137571.	1.1	6
161	Quantification of Pathologic Air Trapping in Lung Transplant Patients Using CT Density Mapping: Comparison with Other CT Air Trapping Measures. PLoS ONE, 2015, 10, e0139102.	1.1	20
162	A high-resolution atlas and statistical model of the vocal tract from structural MRI. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2015, 3, 47-60.	1.3	27
163	<i>C9orf72</i> promoter hypermethylation is neuroprotective. Neurology, 2015, 84, 1622-1630.	1.5	66
164	Functional Consequences of Neurite Orientation Dispersion and Density in Humans across the Adult Lifespan. Journal of Neuroscience, 2015, 35, 1753-1762.	1.7	120

#	Article	IF	CITATIONS
165	Supervised Brain Tissue Segmentation Using aÂSpatially Enhanced Similarity Metric. Lecture Notes in Computer Science, 2015, , 398-407.	1.0	1
166	Noninvasive Quantification of Airway Inflammation Following Segmental Allergen Challenge with Functional MR Imaging: A Proof of Concept Study. Radiology, 2015, 274, 267-275.	3.6	23
167	Comparison of optimization strategy and similarity metric in atlas-to-subject registration using statistical deformation model. Proceedings of SPIE, 2015, , .	0.8	1
168	3D cine magnetic resonance imaging of rat lung ARDS using gradient-modulated SWIFT with retrospective respiratory gating. , 2015, 9417, .		1
169	Constructing a statistical atlas of the radii of the optic nerve and cerebrospinal fluid sheath in young healthy adults. , 2015 , 9413 , .		7
170	Bootstrapping white matter segmentation, Eve++. , 2015, 9413, .		6
171	White matter integrity in traumatic brain injury: Effects of permissible fiber turning angle., 2015, 2015, 930-933.		9
172	Very Early Brain Damage Leads to Remodeling of the Working Memory System in Adulthood: A Combined fMRI/Tractography Study. Journal of Neuroscience, 2015, 35, 15787-15799.	1.7	34
173	Maternal Postsecondary Education Associated With Improved Cerebellar Growth After Preterm Birth. Journal of Child Neurology, 2015, 30, 1633-1639.	0.7	8
174	Rank-sparsity constrained atlas construction and phenotyping. , 2015, , .		0
175	Atlas to patient registration with brain tumor based on a mesh-free method., 2015, 2015, 2924-7.		5
176	Functional subregions of the human entorhinal cortex. ELife, 2015, 4, .	2.8	190
178	Blockmodels for connectome analysis. Proceedings of SPIE, 2015, , .	0.8	11
179	Statistical Atlases and Computational Models of the Heart - Imaging and Modelling Challenges. Lecture Notes in Computer Science, 2015, , .	1.0	4
180	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). IEEE Transactions on Medical Imaging, 2015, 34, 1993-2024.	5.4	3,589
181	Brains for All the Ages. Advances in Child Development and Behavior, 2015, 48, 1-52.	0.7	79
182	Stress-induced alterations in large-scale functional networks of the rodent brain. NeuroImage, 2015, 105, 312-322.	2.1	102
183	Eigenanatomy: Sparse dimensionality reduction for multi-modal medical image analysis. Methods, 2015, 73, 43-53.	1.9	15

#	Article	IF	CITATIONS
184	Neural Mechanisms of Emotion Regulation in Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2015, 45, 3409-3423.	1.7	69
185	Brain abnormalities in bipolar disorder detected by quantitative T1ϕmapping. Molecular Psychiatry, 2015, 20, 201-206.	4.1	61
186	LINKS: Learning-based multi-source IntegratioN frameworK for Segmentation of infant brain images. Neurolmage, 2015, 108, 160-172.	2.1	208
187	Advanced Normalization Tools for Cardiac Motion Correction. Lecture Notes in Computer Science, 2015, , 3-12.	1.0	9
188	Hippocampal volume and functional connectivity changes during the female menstrual cycle. NeuroImage, 2015, 118, 154-162.	2.1	151
189	Noninvasive evaluation of the regional variations of GABA using magnetic resonance spectroscopy at 3 Tesla. Magnetic Resonance Imaging, 2015, 33, 611-617.	1.0	13
190	DR-BUDDI (Diffeomorphic Registration for Blip-Up blip-Down Diffusion Imaging) method for correcting echo planar imaging distortions. NeuroImage, 2015, 106, 284-299.	2.1	144
191	Investigation of white matter abnormalities in first episode psychosis patients with persistent negative symptoms. Psychiatry Research - Neuroimaging, 2015, 233, 402-408.	0.9	20
192	Toward an <i>In Vivo</i> Neuroimaging Template of Human Brainstem Nuclei of the Ascending Arousal, Autonomic, and Motor Systems. Brain Connectivity, 2015, 5, 597-607.	0.8	68
193	Diffusion Tensor Imaging Reveals Acute Subcortical Changes after Mild Blast-Induced Traumatic Brain Injury. Scientific Reports, 2014, 4, 4809.	1.6	43
194	Delayed Development of Brain Connectivity in Adolescents With Schizophrenia and Their Unaffected Siblings. JAMA Psychiatry, 2015, 72, 900.	6.0	80
195	Callosal Function in Pediatric Traumatic Brain Injury Linked to Disrupted White Matter Integrity. Journal of Neuroscience, 2015, 35, 10202-10211.	1.7	79
196	Automatic tissue segmentation of neonate brain MR Images with subject-specific atlases. Proceedings of SPIE, 2015, 9413, .	0.8	18
197	The Association between Gray Matter Volume and Reading Proficiency: A Longitudinal Study of Beginning Readers. Journal of Cognitive Neuroscience, 2015, 27, 308-318.	1.1	35
198	Localization of electrophysiological responses to semantic and syntactic anomalies in language comprehension with MEG. Neurolmage, 2015, 105, 507-524.	2.1	56
199	Comparison of CT-derived ventilation maps with deposition patterns of inhaled microspheres in rats. Experimental Lung Research, 2015, 41, 135-145.	0.5	10
200	Loss of T cells influences sex differences in behavior and brain structure. Brain, Behavior, and Immunity, 2015, 46, 249-260.	2.0	33
201	Effects of long-term methylphenidate treatment in adolescent and adult rats on hippocampal shape, functional connectivity and adult neurogenesis. Neuroscience, 2015, 309, 243-258.	1.1	23

#	Article	IF	CITATIONS
202	Quantifying interindividual variability and asymmetry of face-selective regions: A probabilistic functional atlas. NeuroImage, 2015, 113, 13-25.	2.1	119
203	Morphometry-based measurements of the structural response to whole-brain radiation. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 393-401.	1.7	10
204	3D transcranial ultrasound as a novel intra-operative imaging technique for DBS surgery: a feasibility study. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 891-900.	1.7	10
205	Smooth extrapolation of unknown anatomy via statistical shape models. Proceedings of SPIE, 2015, , .	0.8	O
206	A Kalman Filtering Perspective for Multiatlas Segmentation. SIAM Journal on Imaging Sciences, 2015, 8, 1007-1029.	1.3	4
207	White matter disruption in moderate/severe pediatric traumatic brain injury: Advanced tract-based analyses. Neurolmage: Clinical, 2015, 7, 493-505.	1.4	71
208	Neuroanatomical Phenotypes Are Consistent With Autismâ€Like Behavioral Phenotypes in the 15q11â€13 Duplication Mouse Model. Autism Research, 2015, 8, 545-555.	2.1	34
209	Cognitive and White Matter Tract Differences in MS and Diffuse Neuropsychiatric Systemic Lupus Erythematosus. American Journal of Neuroradiology, 2015, 36, 1874-1883.	1.2	33
210	Intrinsic brain indices of verbal working memory capacity in children and adolescents. Developmental Cognitive Neuroscience, 2015, 15, 67-82.	1.9	36
211	Predicting the laterality of temporal lobe epilepsy from PET, MRI, and DTI: A multimodal study. NeuroImage: Clinical, 2015, 9, 20-31.	1.4	40
212	Differential relationships between apathy and depression with white matter microstructural changes and functional outcomes. Brain, 2015, 138, 3803-3815.	3.7	126
213	Image segmentation and registration algorithm to collect thoracic skeleton semilandmarks for characterization of age and sex-based thoracic morphology variation. Computers in Biology and Medicine, 2015, 67, 41-48.	3.9	10
214	Brain extraction in pediatric ADC maps, toward characterizing neuro-development in multi-platform and multi-institution clinical images. NeuroImage, 2015, 122, 246-261.	2.1	13
215	Automated compromised right lung segmentation method using a robust atlas-based active volume model with sparse shape composition prior in CT. Computerized Medical Imaging and Graphics, 2015, 46, 47-55.	3.5	19
216	Subcortical gray matter segmentation and voxelâ€based analysis using transverse relaxation and quantitative susceptibility mapping with application to multiple sclerosis. Journal of Magnetic Resonance Imaging, 2015, 42, 1601-1610.	1.9	48
217	Automatic segmentation of the hippocampus for preterm neonates from early-in-life to term-equivalent age. Neurolmage: Clinical, 2015, 9, 176-193.	1.4	32
218	Learning-related representational changes reveal dissociable integration and separation signatures in the hippocampus and prefrontal cortex. Nature Communications, 2015, 6, 8151.	5.8	263
219	Standard chemoradiation for glioblastoma results in progressive brain volume loss. Neurology, 2015, 85, 683-691.	1.5	70

#	Article	IF	Citations
220	Connectome-wide network analysis of youth with Psychosis-Spectrum symptoms. Molecular Psychiatry, 2015, 20, 1508-1515.	4.1	110
221	Peripheral inflammation during abnormal mood states in bipolar I disorder. Journal of Affective Disorders, 2015, 187, 172-178.	2.0	60
222	A Diffusion MRI Tractography Connectome of the Mouse Brain and Comparison with Neuronal Tracer Data. Cerebral Cortex, 2015, 25, 4628-4637.	1.6	193
223	The construction of MRI brain/head templates for Chinese children from 7 to 16 years of age. Developmental Cognitive Neuroscience, 2015, 15, 94-105.	1.9	28
224	Deformation field correction for spatial normalization of PET images. NeuroImage, 2015, 119, 152-163.	2.1	4
225	Region of interest correction factors improve reliability of diffusion imaging measures within and across scanners and field strengths. Neurolmage, 2015, 119, 406-416.	2.1	48
226	Identifying Sparse Connectivity Patterns in the brain using resting-state fMRI. NeuroImage, 2015, 105, 286-299.	2.1	81
227	Performance of perfusion-weighted Fourier decomposition MRI for detection of chronic pulmonary emboli. Journal of Magnetic Resonance Imaging, 2015, 42, 72-79.	1.9	38
228	Anatomical landmarks for registration of experimental image data to volumetric rodent brain atlasing templates. Journal of Neuroscience Methods, 2015, 240, 161-169.	1.3	57
229	Optimal Symmetric Multimodal Templates and Concatenated Random Forests for Supervised Brain Tumor Segmentation (Simplified) with ANTsR. Neuroinformatics, 2015, 13, 209-225.	1.5	221
230	Scent of the familiar: An fMRI study of canine brain responses to familiar and unfamiliar human and dog odors. Behavioural Processes, 2015, 110, 37-46.	0.5	92
231	COMT Genetic Reduction Produces Sexually Divergent Effects on Cortical Anatomy and Working Memory in Mice and Humans. Cerebral Cortex, 2015, 25, 2529-2541.	1.6	57
232	Linked Sex Differences in Cognition and Functional Connectivity in Youth. Cerebral Cortex, 2015, 25, 2383-2394.	1.6	302
233	Atlas-based liver segmentation and hepatic fat-fraction assessment for clinical trials. Computerized Medical Imaging and Graphics, 2015, 41, 80-92.	3.5	24
234	Decomposing cerebral blood flow MRI into functional and structural components: A non-local approach based on prediction. Neurolmage, 2015, 105, 156-170.	2.1	13
235	Semiautomatic segmentation of longitudinal computed tomography images in a rat model of lung injury by surfactant depletion. Journal of Applied Physiology, 2015, 118, 377-385.	1.2	20
236	Spatial normalization of ultrahigh resolution 7ÂT magnetic resonance imaging data of the postmortem human subthalamic nucleus: a multistage approach. Brain Structure and Function, 2015, 220, 1695-1703.	1.2	25
237	Optic Radiations Microstructural Changes in Glaucoma and Association With Severity: A Study Using 3Tesla-Magnetic Resonance Diffusion Tensor Imaging. , 2016, 57, 6539.		22

#	Article	IF	CITATIONS
238	Increased Brain Activation for Dual Tasking with 70-Days Head-Down Bed Rest. Frontiers in Systems Neuroscience, 2016, 10, 71.	1.2	46
239	ldentifying Dysfunctional Cortex: Dissociable Effects of Stroke and Aging on Resting State Dynamics in MEG and fMRI. Frontiers in Aging Neuroscience, 2016, 8, 40.	1.7	51
240	Cortical Thinning in Healthy Aging Correlates with Larger Motor-Evoked EEG Desynchronization. Frontiers in Aging Neuroscience, 2016, 8, 63.	1.7	10
241	A Digital Atlas of Middle to Large Brain Vessels and Their Relation to Cortical and Subcortical Structures. Frontiers in Neuroanatomy, 2016, 10, 12.	0.9	43
242	An In vivo Multi-Modal Structural Template for Neonatal Piglets Using High Angular Resolution and Population-Based Whole-Brain Tractography. Frontiers in Neuroanatomy, 2016, 10, 92.	0.9	6
243	Merged Group Tractography Evaluation with Selective Automated Group Integrated Tractography. Frontiers in Neuroanatomy, 2016, 10, 96.	0.9	14
244	T2-Imaging Changes in the Nigrosome-1 Relate to Clinical Measures of Parkinson's Disease. Frontiers in Neurology, 2016, 7, 174.	1.1	6
245	Decreased Cerebellar-Orbitofrontal Connectivity Correlates with Stuttering Severity: Whole-Brain Functional and Structural Connectivity Associations with Persistent Developmental Stuttering. Frontiers in Human Neuroscience, 2016, 10, 190.	1.0	34
246	Embarrassingly Parallel Acceleration of Global Tractography via Dynamic Domain Partitioning. Frontiers in Neuroinformatics, 2016, 10, 25.	1.3	3
247	Parcellation of the Healthy Neonatal Brain into 107 Regions Using Atlas Propagation through Intermediate Time Points in Childhood. Frontiers in Neuroscience, 2016, 10, 220.	1.4	34
248	Longitudinal Analysis of Image Time Series with Diffeomorphic Deformations: A Computational Framework Based on Stationary Velocity Fields. Frontiers in Neuroscience, 2016, 10, 236.	1.4	15
249	Systems Biology, Neuroimaging, Neuropsychology, Neuroconnectivity and Traumatic Brain Injury. Frontiers in Systems Neuroscience, 2016, 10, 55.	1.2	55
250	Robust free-breathing SASHA T1 mapping with high-contrast image registration. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 47.	1.6	34
251	Development and Implementation of a Corriedale Ovine Brain Atlas for Use in Atlas-Based Segmentation. PLoS ONE, 2016, 11, e0155974.	1.1	14
252	Arterial spin labeling perfusion predicts longitudinal decline in semantic variant primary progressive aphasia. Journal of Neurology, 2016, 263, 1927-1938.	1.8	23
253	ls in vivo amyloid distribution asymmetric in primary progressive aphasia?. Annals of Neurology, 2016, 79, 496-501.	2.8	17
254	Functional imaging of the lungs with gas agents. Journal of Magnetic Resonance Imaging, 2016, 43, 295-315.	1.9	98
255	Novel human intervertebral disc strain template to quantify regional threeâ€dimensional strains in a population and compare to internal strains predicted by a finite element model. Journal of Orthopaedic Research, 2016, 34, 1264-1273.	1.2	18

#	Article	IF	CITATIONS
256	Midazolam dose correlates with abnormal hippocampal growth and neurodevelopmental outcome in preterm infants. Annals of Neurology, 2016, 79, 548-559.	2.8	129
257	Atlasâ€based estimation of lung and lobar anatomy in proton MRI. Magnetic Resonance in Medicine, 2016, 76, 315-320.	1.9	22
258	Lung Segmentation of MR Images: A Review. Mathematics and Visualization, 2016, , 3-24.	0.4	5
259	MPnRAGE: A technique to simultaneously acquire hundreds of differently contrasted MPRAGE images with applications to quantitative T $<$ sub $>$ 1 $<$ /sub $>$ mapping. Magnetic Resonance in Medicine, 2016, 75, 1040-1053.	1.9	48
260	Neural activation patterns of successful episodic encoding: Reorganization during childhood, maintenance in old age. Developmental Cognitive Neuroscience, 2016, 20, 59-69.	1.9	34
261	Functional reorganization of language networks for semantics and syntax in chronic stroke: Evidence from MEG. Human Brain Mapping, 2016, 37, 2869-2893.	1.9	31
262	MIND Demons: Symmetric Diffeomorphic Deformable Registration of MR and CT for Image-Guided Spine Surgery. IEEE Transactions on Medical Imaging, 2016, 35, 2413-2424.	5.4	39
263	Functional Mechanisms of Recovery after Chronic Stroke: Modeling with the Virtual Brain. ENeuro, 2016, 3, ENEURO.0158-15.2016.	0.9	61
264	Normothermic Mouse Functional MRI of Acute Focal Thermostimulation for Probing Nociception. Scientific Reports, 2016, 6, 17230.	1.6	15
265	Quantitative assessment of anatomical change using a virtual proton depth radiograph for adaptive head and neck proton therapy. Journal of Applied Clinical Medical Physics, 2016, 17, 427-440.	0.8	26
266	Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries. Lecture Notes in Computer Science, 2016, , .	1.0	15
267	MRI texture features as biomarkers to predict MGMT methylation status in glioblastomas. Medical Physics, 2016, 43, 2835-2844.	1.6	142
268	3D-SIFT-Flow for atlas-based CT liver image segmentation. Medical Physics, 2016, 43, 2229-2241.	1.6	20
269	Distributed-Memory Large Deformation Diffeomorphic 3D Image Registration. , 2016, , .		10
270	Population Shape Collapse in Large Deformation Registration of MR Brain Images. , 2016, , .		1
271	A phenome-wide examination of neural and cognitive function. Scientific Data, 2016, 3, 160110.	2.4	252
272	Hybrid BAT-PSO optimization techniques for image registration. , 2016, , .		3
273	Behavioral, blood and magnetic resonance imaging biomarkers of experimental mild traumatic brain injury. Scientific Reports, 2016, 6, 28713.	1.6	72

#	Article	IF	CITATIONS
274	Development of representative magnetic resonance imaging–based atlases of the canine brain and evaluation of three methods for atlas-based segmentation. American Journal of Veterinary Research, 2016, 77, 395-403.	0.3	16
275	Effects of acute aerobic exercise on neural correlates of attention and inhibition in adolescents with bipolar disorder. Translational Psychiatry, 2016, 6, e814-e814.	2.4	40
276	Neural mechanisms of goal-contingent task disengagement: Response-irrelevant stimuli activate the default mode network. Cortex, 2016, 81, 221-230.	1.1	15
278	Neurobehavioral evidence for individual differences in canine cognitive control: an awake fMRI study. Animal Cognition, 2016, 19, 867-878.	0.9	23
279	LSD modulates music-induced imagery via changes in parahippocampal connectivity. European Neuropsychopharmacology, 2016, 26, 1099-1109.	0.3	95
281	Automated tissue classification of pediatric brains from magnetic resonance images using age-specific atlases., 2016,,.		0
282	Neural Correlates of Symptom Improvement Following Stimulant Treatment in Adults with Attention-Deficit/Hyperactivity Disorder. Journal of Child and Adolescent Psychopharmacology, 2016, 26, 527-536.	0.7	23
283	Working memory filtering continues to develop into late adolescence. Developmental Cognitive Neuroscience, 2016, 18, 78-88.	1.9	17
284	Examining the relationships between cortical maturation and white matter myelination throughout early childhood. Neurolmage, 2016, 125, 413-421.	2.1	55
285	A semi-automated workflow solution for multimodal neuroimaging: application to patients with traumatic brain injury. Brain Informatics, 2016, 3, 1-15.	1.8	21
286	White matter disease in midlife is heritable, related to hypertension, and shares some genetic influence with systolic blood pressure. NeuroImage: Clinical, 2016, 12, 737-745.	1.4	23
287	Comparison of In Vivo and Ex Vivo MRI of the Human Hippocampal Formation in the Same Subjects. Cerebral Cortex, 2017, 27, 5185-5196.	1.6	15
288	Diffusion tensor distribution function metrics boost power to detect deficits in Alzheimer's disease., 2016,,.		1
289	Estimating fetal brain motion with total-variation-based magnetic resonance image registration. , 2016, , \cdot		0
290	A unified framework for atlas-based segmentation with forward deformation and label refinement. , 2016, , .		0
291	Patch-Based Techniques in Medical Imaging. Lecture Notes in Computer Science, 2016, , .	1.0	0
292	Automatic segmentation of abdominal organs and adipose tissue compartments in water-fat MRI: Application to weight-loss in obesity. European Journal of Radiology, 2016, 85, 1613-1621.	1.2	34
293	Towards a comprehensive atlas of cortical connections in a primate brain: Mapping tracer injection studies of the common marmoset into a reference digital template. Journal of Comparative Neurology, 2016, 524, 2161-2181.	0.9	109

#	Article	IF	CITATIONS
294	Timing of White Matter Development Determines Cognitive Abilities at School Entry but Not in Late Adolescence. Cerebral Cortex, 2017, 27, 4516-4522.	1.6	3
295	Traumatic Brain Injury Results in Cellular, Structural and Functional Changes Resembling Motor Neuron Disease. Cerebral Cortex, 2017, 27, 4503-4515.	1.6	50
296	Increased diffusivity in gray matter in recent onset schizophrenia is associated with clinical symptoms and social cognition. Schizophrenia Research, 2016, 176, 144-150.	1.1	10
297	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	13.7	1,001
298	Constrained \$H^1\$-Regularization Schemes for Diffeomorphic Image Registration. SIAM Journal on Imaging Sciences, 2016, 9, 1154-1194.	1.3	35
299	Effects of a spaceflight analog environment on brain connectivity and behavior. Neurolmage, 2016, 141, 18-30.	2.1	58
300	Strong Evidence for Pattern Separation in Human Dentate Gyrus. Journal of Neuroscience, 2016, 36, 7569-7579.	1.7	195
301	Cumulative trauma, adversity and grief symptoms associated with fronto-temporal regions in life-course persistent delinquent boys. Psychiatry Research - Neuroimaging, 2016, 254, 92-102.	0.9	14
302	Unexpected role of interferon- \hat{l}^3 in regulating neuronal connectivity and social behaviour. Nature, 2016, 535, 425-429.	13.7	507
303	Cerebrospinal fluid sTREM2 levels are associated with gray matter volume increases and reduced diffusivity in early Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 1259-1272.	0.4	86
304	Automatic segmentation and statistical shape modeling of the paranasal sinuses to estimate natural variations. Proceedings of SPIE, 2016, 9784, .	0.8	11
305	The heritability of the functional connectome is robust to common nonlinear registration methods. Proceedings of SPIE, 2016, , .	0.8	0
306	Patch-Based DTI Grading: Application to Alzheimer's Disease Classification. Lecture Notes in Computer Science, 2016, , 76-83.	1.0	6
307	Restriction spectrum imaging reveals decreased neurite density in patients with temporal lobe epilepsy. Epilepsia, 2016, 57, 1897-1906.	2.6	20
308	Supervised learning technique for the automated identification of white matter hyperintensities in traumatic brain injury. Brain Injury, 2016, 30, 1458-1468.	0.6	27
309	Performance evaluation of MIND demons deformable registration of MR and CT images in spinal interventions. Physics in Medicine and Biology, 2016, 61, 8276-8297.	1.6	5
310	Imaging in pleural mesothelioma: A review of the 13th International Conference of the International Mesothelioma Interest Group. Lung Cancer, 2016, 101, 48-58.	0.9	38
311	Diagnostic utility of ASLâ€MRI and FDGâ€PET in the behavioral variant of FTD and AD. Annals of Clinical and Translational Neurology, 2016, 3, 740-751.	1.7	42

#	ARTICLE	IF	Citations
312	Baseline gray―and whiteâ€matter volume predict successful weight loss in the elderly. Obesity, 2016, 24, 2475-2480.	1.5	6
313	Dynamic updating of hippocampal object representations reflects new conceptual knowledge. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13203-13208.	3.3	173
314	Detection of changes in the ventral tegmental area of patients with schizophrenia using neuromelanin-sensitive MRI. NeuroReport, 2016, 27, 289-294.	0.6	19
315	Robust free-breathing SASHA T1 mapping using high-contrast image-based registration. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P28.	1.6	1
316	Reproducibility of fractional ventilation derived by Fourier decomposition after adjusting for tidal volume with and without an MRI compatible spirometer. Magnetic Resonance in Medicine, 2016, 76, 1542-1550.	1.9	30
317	Sodium selenate, a protein phosphatase 2A activator, mitigates hyperphosphorylated tau and improves repeated mild traumatic brain injury outcomes. Neuropharmacology, 2016, 108, 382-393.	2.0	60
318	Short term reproducibility of a high contrast 3-D isotropic optic nerve imaging sequence in healthy controls., 2016, 9783, .		4
319	Prediction of CT Substitutes from MR Images Based on Local Diffeomorphic Mapping for Brain PET Attenuation Correction. Journal of Nuclear Medicine, 2016, 57, 1635-1641.	2.8	16
320	Dentatorubrothalamic tract localization with postmortem MR diffusion tractography compared to histological 3D reconstruction. Brain Structure and Function, 2016, 221, 3487-3501.	1,2	43
321	Possumâ€"A Framework for Three-Dimensional Reconstruction of Brain Images from Serial Sections. Neuroinformatics, 2016, 14, 265-278.	1.5	32
322	Multi-Atlas Library for Eliminating Normalization Failures in Non-Human Primates. Neuroinformatics, 2016, 14, 183-190.	1.5	9
323	Elevated Amygdala Perfusion Mediates Developmental Sex Differences in Trait Anxiety. Biological Psychiatry, 2016, 80, 775-785.	0.7	82
324	Structure matching driven by joint-saliency-structure adaptive kernel regression. Applied Soft Computing Journal, 2016, 46, 851-867.	4.1	11
325	DR-TAMAS: Diffeomorphic Registration for Tensor Accurate Alignment of Anatomical Structures. NeuroImage, 2016, 132, 439-454.	2.1	55
326	On the computation of integrals over fixed-size rectangles of arbitrary dimension. Pattern Recognition Letters, 2016, 79, 68-72.	2.6	2
327	ISLES Challenge 2015: Automated Model-Based Segmentation of Ischemic Stroke in MR Images. Lecture Notes in Computer Science, 2016, , 246-253.	1.0	6
328	The white matter query language: a novel approach for describing human white matter anatomy. Brain Structure and Function, 2016, 221, 4705-4721.	1,2	170
329	Automated segmentation of chronic stroke lesions using <scp>LINDA</scp> : Lesion identification with neighborhood data analysis. Human Brain Mapping, 2016, 37, 1405-1421.	1.9	119

#	Article	IF	Citations
330	Higherâ€resolution MR elastography reveals early mechanical signatures of neuroinflammation in patients with clinically isolated syndrome. Journal of Magnetic Resonance Imaging, 2016, 44, 51-58.	1.9	47
331	Reliability of cerebral vein volume quantification based on susceptibility-weighted imaging. Neuroradiology, 2016, 58, 937-942.	1.1	4
332	Comparison of template registration methods for multi-site meta-analysis of brain morphometry. Proceedings of SPIE, 2016, , .	0.8	0
333	Semiautomated Ventilation Defect Quantification in Exercise-induced Bronchoconstriction Using Hyperpolarized Helium-3 Magnetic Resonance Imaging. Academic Radiology, 2016, 23, 1104-1114.	1.3	28
334	Vanderbilt University Institute of Imaging Science Center for Computational Imaging XNAT: A multimodal data archive and processing environment. NeuroImage, 2016, 124, 1097-1101.	2.1	38
335	Comparison of CT-based Lobar Ventilation with sup 3 < sup > He MR Imaging Ventilation Measurements. Radiology, 2016, 278, 585-592.	3.6	32
336	Comparison of cortical folding measures for evaluation of developing human brain. NeuroImage, 2016, 125, 780-790.	2.1	92
337	Regional brain activations in awake unrestrained dogs. Journal of Veterinary Behavior: Clinical Applications and Research, 2016, 16, 104-112.	0.5	14
338	Training-induced changes in subsequent-memory effects: No major differences among children, younger adults, and older adults. NeuroImage, 2016, 131, 214-225.	2.1	21
339	Neuroimaging of a minipig model of Huntington's disease: Feasibility of volumetric, diffusion-weighted and spectroscopic assessments. Journal of Neuroscience Methods, 2016, 265, 46-55.	1.3	18
340	An advanced white matter tract analysis in frontotemporal dementia and early-onset Alzheimer's disease. Brain Imaging and Behavior, 2016, 10, 1038-1053.	1.1	46
341	The average baboon brain: MRI templates and tissue probability maps from 89 individuals. NeuroImage, 2016, 132, 526-533.	2.1	48
342	Non-Parametric Bayesian Registration (NParBR) of Body Tumors in DCE-MRI Data. IEEE Transactions on Medical Imaging, 2016, 35, 1025-1035.	5.4	3
343	Early Fiber Number Ratio Is a Surrogate of Corticospinal Tract Integrity and Predicts Motor Recovery After Stroke. Stroke, 2016, 47, 1053-1059.	1.0	63
344	Generation and evaluation of an ultra-high-field atlas with applications in DBS planning. Proceedings of SPIE, $2016, \ldots$	0.8	8
345	Intracortical inhibition abnormality during the remission phase of multiple sclerosis is related to upper limb dexterity and lesions. Clinical Neurophysiology, 2016, 127, 1503-1511.	0.7	23
346	Age-related changes to oscillatory dynamics in hippocampal and neocortical networks. Neurobiology of Learning and Memory, 2016, 134, 15-30.	1.0	26
347	Transcranial Magnetic Stimulation of Left Dorsolateral Prefrontal Cortex Induces Brain Morphological Changes in Regions Associated with a Treatment Resistant Major Depressive Episode: An Exploratory Analysis. Brain Stimulation, 2016, 9, 577-583.	0.7	73

#	Article	IF	CITATIONS
348	Cortical Damage and Disability in Multiple Sclerosis: Relation to Intracortical Inhibition and Facilitation. Brain Stimulation, 2016, 9, 566-573.	0.7	24
349	Prediction of Impaired Performance in Trail Making Test in MCI Patients With Small Vessel Disease Using DTI Data. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1026-1033.	3.9	27
350	Assessing Quantitative Changes in Intrinsic Thalamic Networks in Blast and Nonblast Mild Traumatic Brain Injury: Implications for Mechanisms of Injury. Brain Connectivity, 2016, 6, 389-402.	0.8	10
351	Decisions about the past are guided by reinstatement of specific memories in the hippocampus and perirhinal cortex. Neurolmage, 2016, 127, 144-157.	2.1	61
352	Groupwise Image Registration Guided by a Dynamic Digraph of Images. Neuroinformatics, 2016, 14, 131-145.	1.5	7
353	Hippocampal–medial prefrontal circuit supports memory updating during learning and post-encoding rest. Neurobiology of Learning and Memory, 2016, 134, 91-106.	1.0	106
354	Automated cerebellar lobule segmentation with application to cerebellar structural analysis in cerebellar disease. Neurolmage, 2016, 127, 435-444.	2.1	39
355	Dimensional depression severity in women with major depression and post-traumatic stress disorder correlates with fronto-amygdalar hypoconnectivty. Molecular Psychiatry, 2016, 21, 894-902.	4.1	80
356	Quantifying the internal deformation of the rodent spinal cord during acute spinal cord injury $\hat{a} \in \text{``the validation of a method. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 386-395.}$	0.9	9
357	Longitudinal analysis of the developing rhesus monkey brain using magnetic resonance imaging: birth to adulthood. Brain Structure and Function, 2016, 221, 2847-2871.	1.2	70
358	The impact of quality assurance assessment on diffusion tensor imaging outcomes in a large-scale population-based cohort. NeuroImage, 2016, 125, 903-919.	2.1	202
359	An Optimized PatchMatch for multi-scale and multi-feature label fusion. Neurolmage, 2016, 124, 770-782.	2.1	68
360	White matter maturation profiles through early childhood predict general cognitive ability. Brain Structure and Function, 2016, 221, 1189-1203.	1.2	119
361	A database of age-appropriate average MRI templates. NeuroImage, 2016, 124, 1254-1259.	2.1	200
362	The Corticocortical Structural Connectivity of the Human Insula. Cerebral Cortex, 2017, 27, 1216-1228.	1.6	210
363	Longitudinal assessment of local and global functional connectivity following sports-related concussion. Brain Imaging and Behavior, 2017, 11, 129-140.	1.1	52
364	Jacobian weighted temporal total variation for motion compensated compressed sensing reconstruction of dynamic MRI. Magnetic Resonance in Medicine, 2017, 77, 1208-1215.	1.9	14
365	Traumatic hemorrhagic brain injury: impact of location and resorption on cognitive outcome. Journal of Neurosurgery, 2017, 126, 796-804.	0.9	21

#	ARTICLE	IF	Citations
366	White Matter Tract Injury is Associated with Deep Gray Matter Iron Deposition in Multiple Sclerosis. Journal of Neuroimaging, 2017, 27, 107-113.	1.0	25
367	Hippocampal Contribution to Context Encoding across Development Is Disrupted following Early-Life Adversity. Journal of Neuroscience, 2017, 37, 1925-1934.	1.7	61
368	Quantitative assessment of white matter injury in preterm neonates. Neurology, 2017, 88, 614-622.	1.5	117
369	A quantitative symmetryâ€based analysis of hyperacute ischemic stroke lesions in noncontrast computed tomography. Medical Physics, 2017, 44, 192-199.	1.6	39
370	Disruption of amygdala–entorhinal–hippocampal network in lateâ€life depression. Hippocampus, 2017, 27, 464-476.	0.9	41
371	Nalmefene Reduces Reward Anticipation in Alcohol Dependence: An Experimental Functional Magnetic Resonance Imaging Study. Biological Psychiatry, 2017, 81, 941-948.	0.7	32
372	Network overâ€connectivity differentiates autism spectrum disorder from other developmental disorders in toddlers: A diffusion MRI study. Human Brain Mapping, 2017, 38, 2333-2344.	1.9	48
373	Subject-specific abnormal region detection in traumatic brain injury using sparse model selection on high dimensional diffusion data. Medical Image Analysis, 2017, 37, 56-65.	7. O	11
374	Structural properties of the human corpus callosum: Multimodal assessment and sex differences. NeuroImage, 2017, 152, 108-118.	2.1	62
375	Transformed Neural Pattern Reinstatement during Episodic Memory Retrieval. Journal of Neuroscience, 2017, 37, 2986-2998.	1.7	95
376	Thoracic <scp>CT</scp> â€ <scp>MRI</scp> coregistration for regional pulmonary structure–function measurements of obstructive lung disease. Medical Physics, 2017, 44, 1718-1733.	1.6	17
377	Cognitive behavioral therapy increases amygdala connectivity with the cognitive control network in both MDD and PTSD. NeuroImage: Clinical, 2017, 14, 464-470.	1.4	78
378	Functional MRI in Awake Dogs Predicts Suitability for Assistance Work. Scientific Reports, 2017, 7, 43704.	1.6	37
379	PltcHPERFeCT: Primary Intracranial Hemorrhage Probability Estimation using Random Forests on CT. NeuroImage: Clinical, 2017, 14, 379-390.	1.4	53
380	Cognitive Implications of Deep Gray Matter Iron in Multiple Sclerosis. American Journal of Neuroradiology, 2017, 38, 942-948.	1.2	26
381	Improved automatic optic nerve radius estimation from high resolution MRI. Proceedings of SPIE, 2017, 10133, .	0.8	2
382	Multi-scale hippocampal parcellation improves atlas-based segmentation accuracy. Proceedings of SPIE, 2017, 10133, .	0.8	10
383	Structural-functional relationships between eye orbital imaging biomarkers and clinical visual assessments. , 2017, 10133, .		4

#	Article	IF	CITATIONS
384	Can diffusionâ€weighted imaging serve as a biomarker of fibrosis in pancreatic adenocarcinoma?. Journal of Magnetic Resonance Imaging, 2017, 46, 393-402.	1.9	24
385	Amygdala-hippocampal dynamics during salient information processing. Nature Communications, 2017, 8, 14413.	5.8	128
386	Impact of physiological noise correction on detecting blood oxygenation level-dependent contrast in the breast. Physics in Medicine and Biology, 2017, 62, 127-145.	1.6	1
387	Improved clinical diffusion MRI reliability using a tensor distribution function compared to a single tensor., 2017,,.		1
388	Sensory tractography and robotâ€quantified proprioception in hemiparetic children with perinatal stroke. Human Brain Mapping, 2017, 38, 2424-2440.	1.9	41
389	An improved FSL-FIRST pipeline for subcortical gray matter segmentation to study abnormal brain anatomy using quantitative susceptibility mapping (QSM). Magnetic Resonance Imaging, 2017, 39, 110-122.	1.0	36
390	Higher body mass index is associated with reduced posterior default mode connectivity in older adults. Human Brain Mapping, 2017, 38, 3502-3515.	1.9	56
391	Brain-predicted age in Down syndrome is associated with beta amyloid deposition and cognitive decline. Neurobiology of Aging, 2017, 56, 41-49.	1.5	109
392	Openness and information technology: a bibliometric analysis of literature production. Kybernetes, 2017, 46, 750-766.	1.2	18
393	Does One Year of Schooling Improve Children's Cognitive Control and Alter Associated Brain Activation?. Psychological Science, 2017, 28, 967-978.	1.8	66
394	Dual-core steered non-rigid registration for multi-modal images via bi-directional image synthesis. Medical Image Analysis, 2017, 41, 18-31.	7.0	60
395	Exponential weighted entropy and exponential weighted mutual information. Neurocomputing, 2017, 249, 86-94.	3.5	12
396	Decorrelated Input Dissociates Narrow Band \hat{I}^3 Power and BOLD in Human Visual Cortex. Journal of Neuroscience, 2017, 37, 5408-5418.	1.7	16
397	Accelerated magnetic resonance thermometry in the presence of uncertainties. Physics in Medicine and Biology, 2017, 62, 214-245.	1.6	3
398	Population differences in brain morphology: Need for population specific brain template. Psychiatry Research - Neuroimaging, 2017, 265, 1-8.	0.9	34
399	Exercise Decreases Marrow Adipose Tissue Through ß-Oxidation in Obese Running Mice. Journal of Bone and Mineral Research, 2017, 32, 1692-1702.	3.1	78
400	Evaluation of five diffeomorphic image registration algorithms for mouse brain magnetic resonance microscopy. Journal of Microscopy, 2017, 268, 141-154.	0.8	4
401	RNA-seq analyses reveal that cervical spinal cords and anterior motor neurons from amyotrophic lateral sclerosis subjects show reduced expression of mitochondrial DNA-encoded respiratory genes, and rhTFAM may correct this respiratory deficiency. Brain Research, 2017, 1667, 74-83.	1.1	15

#	Article	IF	Citations
402	Electrophysiological signatures of phonological and semantic maintenance in sentence repetition. NeuroImage, 2017, 156, 302-314.	2.1	23
403	The Neural Correlates of Emotional Lability in Children with Autism Spectrum Disorder. Brain Connectivity, 2017, 7, 281-288.	0.8	12
404	Lateralized Basal Ganglia Vulnerability to Pesticide Exposure in Asymptomatic Agricultural Workers. Toxicological Sciences, 2017, 159, 170-178.	1.4	8
405	Mapping age effects along fiber tracts in young adults. , 2017, 2017, 101-104.		1
406	White-matter integrity on DTI and the pathologic staging of Alzheimer's disease. Neurobiology of Aging, 2017, 56, 172-179.	1.5	158
407	Cognitive persistence: Development and validation of a novel measure from the Wisconsin Card Sorting Test. Neuropsychologia, 2017, 102, 95-108.	0.7	27
408	White matter integrity in dyskinetic cerebral palsy: Relationship with intelligence quotient and executive function. Neurolmage: Clinical, 2017, 15, 789-800.	1.4	21
409	3D reconstruction of brain section images for creating axonal projection maps in marmosets. Journal of Neuroscience Methods, 2017, 286, 102-113.	1.3	18
410	Adolescence is the starting point of sex-dichotomous COMT genetic effects. Translational Psychiatry, 2017, 7, e1141-e1141.	2.4	32
411	Label fusion for segmentation via patch based on local weighted voting. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 680-688.	1.5	2
412	Tumor propagation model using generalized hidden Markov model., 2017,,.		0
413	Combined Diffusion Tensor Imaging and Apparent Transverse Relaxation Rate Differentiate Parkinson Disease and Atypical Parkinsonism. American Journal of Neuroradiology, 2017, 38, 966-972.	1.2	32
414	Performance Assessment for Brain MR Imaging Registration Methods. American Journal of Neuroradiology, 2017, 38, 973-980.	1.2	10
415	Impact of Tryptophan Depletion on Executive System Function during Menopause is Moderated by Childhood Adversity. Neuropsychopharmacology, 2017, 42, 2398-2406.	2.8	20
416	White matter fiber-based analysis of T1w/T2w ratio map. Proceedings of SPIE, 2017, 10133, .	0.8	7
417	Neural Reorganization Due to Neonatal Amygdala Lesions in the Rhesus Monkey: Changes in Morphology and Network Structure. Cerebral Cortex, 2017, 27, 3240-3253.	1.6	16
418	Longitudinal evaluation of perfusion changes in acute and chronic renal allograft rejection using arterial spin labeling in translational mouse models. Journal of Magnetic Resonance Imaging, 2017, 46, 1664-1672.	1.9	17
419	Fractional anisotropy derived from the diffusion tensor distribution function boosts power to detect Alzheimer's disease deficits. Magnetic Resonance in Medicine, 2017, 78, 2322-2333.	1.9	31

#	Article	IF	CITATIONS
420	Benchmarking of participant-level confound regression strategies for the control of motion artifact in studies of functional connectivity. NeuroImage, 2017, 154, 174-187.	2.1	842
421	Progressive iron accumulation across multiple sclerosis phenotypes revealed by sparse classification of deep gray matter. Journal of Magnetic Resonance Imaging, 2017, 46, 1464-1473.	1.9	26
422	Assessing the Impact of Post-Traumatic Stress Symptoms on the Resting-State Default Mode Network in a Military Chronic Mild Traumatic Brain Injury Sample. Brain Connectivity, 2017, 7, 236-249.	0.8	19
423	Evaluation of neonatal brain myelination using the T1―and T2â€weighted MRI ratio. Journal of Magnetic Resonance Imaging, 2017, 46, 690-696.	1.9	37
424	A multi-centre evaluation of eleven clinically feasible brain PET/MRI attenuation correction techniques using a large cohort of patients. NeuroImage, 2017, 147, 346-359.	2.1	200
425	Gray Matter Neuritic Microstructure Deficits in Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2017, 82, 726-736.	0.7	79
426	The Caudate Nucleus Mediates Learning of Stimulus–Control State Associations. Journal of Neuroscience, 2017, 37, 1028-1038.	1.7	59
427	Disruption of rich club organisation in cerebral small vessel disease. Human Brain Mapping, 2017, 38, 1751-1766.	1.9	64
428	Resting state fMRI regional homogeneity correlates with cognition measures in subcortical vascular cognitive impairment. Journal of the Neurological Sciences, 2017, 373, 1-6.	0.3	36
429	Effect of Autologous Cord Blood Infusion on Motor Function and Brain Connectivity in Young Children with Cerebral Palsy: A Randomized, Placebo-Controlled Trial. Stem Cells Translational Medicine, 2017, 6, 2071-2078.	1.6	110
430	Volumetric grey matter alterations in adolescents and adults born very preterm suggest accelerated brain maturation. Neurolmage, 2017, 163, 379-389.	2.1	67
431	A Lagrangian Gauss-Newton-Krylov Solver for Mass- and Intensity-Preserving Diffeomorphic Image Registration. SIAM Journal of Scientific Computing, 2017, 39, B860-B885.	1.3	28
432	Developmental trajectories of macroanatomical structures in common marmoset brain. Neuroscience, 2017, 364, 143-156.	1.1	18
433	Auditory evoked BOLD responses in awake compared to lightly anaesthetized zebra finches. Scientific Reports, 2017, 7, 13563.	1.6	7
434	Complementary contributions of concurrent EEG and fMRI connectivity for predicting structural connectivity. Neurolmage, 2017, 161, 251-260.	2.1	54
435	White matter microstructural deficits in 22q11.2 deletion syndrome. Psychiatry Research - Neuroimaging, 2017, 268, 35-44.	0.9	17
436	High-precision registration between zebrafish brain atlases using symmetric diffeomorphic normalization. GigaScience, 2017, 6, 1-15.	3.3	57
437	Enhanced Fluorine-19 MRI Sensitivity using a Cryogenic Radiofrequency Probe: Technical Developments and Ex Vivo Demonstration in a Mouse Model of Neuroinflammation. Scientific Reports, 2017, 7, 9808.	1.6	34

#	Article	IF	Citations
438	Cerebellar anatomical alterations and attention to eyes in autism. Scientific Reports, 2017, 7, 12008.	1.6	39
439	Mapping White Matter Microstructure in the One Month Human Brain. Scientific Reports, 2017, 7, 9759.	1.6	54
440	A whole-brain computational modeling approach to explain the alterations in resting-state functional connectivity during progression of Alzheimer's disease. NeuroImage: Clinical, 2017, 16, 343-354.	1.4	73
441	Quantitative Analysis of Geometry and Lateral Symmetry of Proximal Middle Cerebral Artery. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2427-2434.	0.7	1
442	Neuronal overexpression of Ube3a isoform 2 causes behavioral impairments and neuroanatomical pathology relevant to 15q11.2-q13.3 duplication syndrome. Human Molecular Genetics, 2017, 26, 3995-4010.	1.4	59
443	Towards a unified analysis of brain maturation and aging across the entire lifespan: A MRI analysis. Human Brain Mapping, 2017, 38, 5501-5518.	1.9	209
444	Diverging volumetric trajectories following pediatric traumatic brain injury. NeuroImage: Clinical, 2017, 15, 125-135.	1.4	28
445	Impact of early life adversity and tryptophan depletion on functional connectivity in menopausal women: A double-blind, placebo-controlled crossover study. Psychoneuroendocrinology, 2017, 84, 197-205.	1.3	12
446	The impact of T1 versus EPI spatial normalization templates for fMRI data analyses. Human Brain Mapping, 2017, 38, 5331-5342.	1.9	179
447	Altered structural network architecture is predictive of the presence of psychotic symptoms in patients with 22q11.2 deletion syndrome. NeuroImage: Clinical, 2017, 16, 142-150.	1.4	18
448	Enhanced estimations of postâ€stroke aphasia severity using stacked multimodal predictions. Human Brain Mapping, 2017, 38, 5603-5615.	1.9	63
449	Dimensions of childhood adversity have distinct associations with neural systems underlying executive functioning. Development and Psychopathology, 2017, 29, 1777-1794.	1.4	162
450	Hippocampal–caudate nucleus interactions support exceptional memory performance. Brain Structure and Function, 2018, 223, 1379-1389.	1.2	22
451	Potential for social involvement modulates activity within the mirror and the mentalizing systems. Scientific Reports, 2017, 7, 14967.	1.6	9
452	A spatio-temporal atlas of neonatal diffusion MRI based on kernel ridge regression. , 2017, , .		3
453	Cortical Thickness variability in Multiple Sclerosis: The role of lesion segmentation and filling. , 2017, , .		0
454	Cortical and vascular probability maps for analysis of human brain in computed tomography images. , 2017, , .		2
455	Germline Chd8 haploinsufficiency alters brain development in mouse. Nature Neuroscience, 2017, 20, 1062-1073.	7.1	210

#	ARTICLE	IF	CITATIONS
456	Group-wise 3D registration based templates to study the evolution of ant worker neuroanatomy, , 2017, , .		5
457	Fast predictive multimodal image registration. , 2017, , .		13
458	Predicting Deletion of Chromosomal Arms $1p/19q$ in Low-Grade Gliomas from MR Images Using Machine Intelligence. Journal of Digital Imaging, 2017, 30, 469-476.	1.6	167
459	Intracranial Fluid Redistribution But No White Matter Microstructural Changes During a Spaceflight Analog. Scientific Reports, 2017, 7, 3154.	1.6	27
460	Automatic Thalamus Segmentation from Magnetic Resonance Images Using Multiple Atlases Level Set Framework (MALSF). Scientific Reports, 2017, 7, 4274.	1.6	5
461	White matter lesions characterise brain involvement in moderate to severe chronic obstructive pulmonary disease, but cerebral atrophy does not. BMC Pulmonary Medicine, 2017, 17, 92.	0.8	21
462	Application and evaluation of NODDI in the cervical spinal cord of multiple sclerosis patients. NeuroImage: Clinical, 2017, 15, 333-342.	1.4	84
463	Accelerated Changes in Cortical Thickness Measurements with Age in Military Service Members with Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 3107-3116.	1.7	28
464	In need of constraint: Understanding the role of the cingulate cortex in the impulsive mind. NeuroImage, 2017, 146, 804-813.	2.1	24
465	Abnormalities in Functional Connectivity in Collegiate Football Athletes with and without a Concussion History: Implications and Role of Neuroactive Kynurenine Pathway Metabolites. Journal of Neurotrauma, 2017, 34, 824-837.	1.7	21
466	Medial temporal lobe reinstatement of content-specific details predicts source memory. Cortex, 2017, 91, 67-78.	1,1	32
467	Robust skull stripping using multiple MR image contrasts insensitive to pathology. Neurolmage, 2017, 146, 132-147.	2.1	84
468	Dissociable profiles of generalization/discrimination in the human hippocampus during associative retrieval. Hippocampus, 2017, 27, 115-121.	0.9	10
469	Individual variation in intentionality in the mind-wandering state is reflected in the integration of the default-mode, fronto-parietal, and limbic networks. NeuroImage, 2017, 146, 226-235.	2.1	127
470	Patterns of neural activity predict picture-naming performance of a patient with chronic aphasia. Neuropsychologia, 2017, 94, 52-60.	0.7	11
471	Survey of Non-Rigid Registration Tools in Medicine. Journal of Digital Imaging, 2017, 30, 102-116.	1.6	53
472	A new neonatal cortical and subcortical brain atlas: the Melbourne Children's Regional Infant Brain (M-CRIB) atlas. NeuroImage, 2017, 147, 841-851.	2.1	74
473	Hippocampal microstructural damage correlates with memory impairment in clinically isolated syndrome suggestive of multiple sclerosis. Multiple Sclerosis Journal, 2017, 23, 1214-1224.	1.4	52

#	Article	IF	CITATIONS
474	GRAPE: a graphical pipeline environment for image analysis in adaptive magnetic resonance imaging. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 449-457.	1.7	1
475	Functional organization of the language network in three- and six-year-old children. Neuropsychologia, 2017, 98, 24-33.	0.7	13
476	Age-related individual variability in memory performance is associated with amygdala-hippocampal circuit function and emotional pattern separation. Neurobiology of Aging, 2017, 49, 9-19.	1.5	33
477	Hippocampal Structure Predicts Statistical Learning and Associative Inference Abilities during Development. Journal of Cognitive Neuroscience, 2017, 29, 37-51.	1.1	113
478	NeuroDebian Virtual Machine Deployment Facilitates Trainee-Driven Bedside Neuroimaging Research. Journal of Child Neurology, 2017, 32, 29-34.	0.7	0
479	Regional cerebellar volumetric correlates of manual motor and cognitive function. Brain Structure and Function, 2017, 222, 1929-1944.	1.2	49
480	A diffusion tensor imaging atlas of white matter in tree shrew. Brain Structure and Function, 2017, 222, 1733-1751.	1.2	14
481	SCT: Spinal Cord Toolbox, an open-source software for processing spinal cord MRI data. NeuroImage, 2017, 145, 24-43.	2.1	390
482	Category learning in Alzheimer's disease and normal cognitive aging depends on initial experience of feature variability. Neuropsychologia, 2017, 98, 98-110.	0.7	2
483	Functional brain organization of working memory in adolescents varies in relation to family income and academic achievement. Developmental Science, 2017, 20, e12450.	1.3	80
484	Increased perceived stress is related to decreased prefrontal cortex volumes among older adults. Journal of Clinical and Experimental Neuropsychology, 2017, 39, 313-325.	0.8	20
485	Predicting brain-age from multimodal imaging data captures cognitive impairment. Neurolmage, 2017, 148, 179-188.	2.1	407
486	Lowâ€pass imaging of dynamic acquisitions (LIDA) with a groupâ€oriented registration (GOREG) for proton MR imaging of lung ventilation. Magnetic Resonance in Medicine, 2017, 78, 1496-1505.	1.9	39
487	Disentangling disorders of consciousness: Insights from diffusion tensor imaging and machine learning. Human Brain Mapping, 2017, 38, 431-443.	1.9	71
488	Creation of statistical atlas of nasal cavity from computed tomography scans., 2017,,.		0
489	A three-dimensional stereotaxic atlas of the gray short-tailed opossum (Monodelphis domestica) brain. Brain Structure and Function, 2018, 223, 1779-1795.	1.2	7
490	A Modulatory Effect of Brief Passive Exposure to Non-linguistic Sounds on Intrinsic Functional Connectivity: Relevance to Cognitive Performance. Cerebral Cortex, 2017, 27, 5817-5830.	1.6	3
491	[P4–224]: AXONAL DENSITY IS ASSOCIATED WITH SUBJECTIVE COGNITIVE DECLINE (SCD) IN OLDER ADULTS ASSESSED USING THE COGNITIVE CHANGE INDEX. Alzheimer's and Dementia, 2017, 13, P1355.	0.4	O

#	Article	IF	CITATIONS
492	[ICâ€02â€"04]: AXONAL DENSITY IS ASSOCIATED WITH SUBJECTIVE COGNITIVE DECLINE (SCD) IN OLDER ADULASSESSED USING THE COGNITIVE CHANGE INDEX. Alzheimer's and Dementia, 2017, 13, P6.	ΓS 0.4	0
493	Differential contributions of the middle frontal gyrus functional connectivity to literacy and numeracy. Scientific Reports, 2017, 7, 17548.	1.6	58
494	A Systematic Relationship Between Functional Connectivity and Intracortical Myelin in the Human Cerebral Cortex. Cerebral Cortex, 2017, 27, 981-997.	1.6	233
495	Bilinear equations and fuzzy image comparison. , 2017, , .		1
496	3D MRI image superâ€resolution for brain combining rigid and large diffeomorphic registration. IET Image Processing, 2017, 11, 1291-1301.	1.4	8
497	A Neuroimaging Feature Extraction Model for Imaging Genetics with Application to Alzheimer's Disease. , 2017, , .		2
498	Robust tracking of respiratory rate in high-dynamic range scenes using mobile thermal imaging. Biomedical Optics Express, 2017, 8, 4480.	1.5	93
499	A Quantitative Analysis of the Distribution of CRH Neurons in Whole Mouse Brain. Frontiers in Neuroanatomy, 2017, 11, 63.	0.9	86
500	Cerebellar Vermis and Midbrain Hypoplasia Upon Conditional Deletion of Chd7 from the Embryonic Mid-Hindbrain Region. Frontiers in Neuroanatomy, 2017, 11, 86.	0.9	7
501	TDat: An Efficient Platform for Processing Petabyte-Scale Whole-Brain Volumetric Images. Frontiers in Neural Circuits, 2017, 11, 51.	1.4	52
502	Recommendations for the Use of Automated Gray Matter Segmentation Tools: Evidence from Huntington's Disease. Frontiers in Neurology, 2017, 8, 519.	1.1	31
503	Distinct Functional Connectivities Predict Clinical Response with Emotion Regulation Therapy. Frontiers in Human Neuroscience, 2017, 11, 86.	1.0	36
504	Auditory, Visual and Audiovisual Speech Processing Streams in Superior Temporal Sulcus. Frontiers in Human Neuroscience, 2017, 11, 174.	1.0	44
505	Dynamics of Intersubject Brain Networks during Anxious Anticipation. Frontiers in Human Neuroscience, 2017, 11, 552.	1.0	21
506	Evaluation of Field Map and Nonlinear Registration Methods for Correction of Susceptibility Artifacts in Diffusion MRI. Frontiers in Neuroinformatics, 2017, 11, 17.	1.3	139
507	Restriction Spectrum Imaging As a Potential Measure of Cortical Neurite Density in Autism. Frontiers in Neuroscience, 2016, 10, 610.	1.4	16
508	UNC-Emory Infant Atlases for Macaque Brain Image Analysis: Postnatal Brain Development through 12 Months. Frontiers in Neuroscience, 2016, 10, 617.	1.4	27
509	Simulating Longitudinal Brain MRIs with Known Volume Changes and Realistic Variations in Image Intensity. Frontiers in Neuroscience, 2017, 11, 132.	1.4	10

#	Article	IF	CITATIONS
510	Bayesian Tractography Using Geometric Shape Priors. Frontiers in Neuroscience, 2017, 11, 483.	1.4	3
511	Song Processing in the Zebra Finch Auditory Forebrain Reflects Asymmetric Sensitivity to Temporal and Spectral Structure. Frontiers in Neuroscience, 2017, 11, 549.	1.4	18
512	Evaluation of Deformable Image Registration for Three-Dimensional Temporal Subtraction of Chest Computed Tomography Images. International Journal of Biomedical Imaging, 2017, 2017, 1-11.	3.0	3
513	Comparing resting state fMRI de-noising approaches using multi- and single-echo acquisitions. PLoS ONE, 2017, 12, e0173289.	1.1	79
514	Long-term follow-up of MRI changes in thigh muscles of patients with Facioscapulohumeral dystrophy: A quantitative study. PLoS ONE, 2017, 12, e0183825.	1.1	33
515	Discrete pre-processing step effects in registration-based pipelines, a preliminary volumetric study on T1-weighted images. PLoS ONE, 2017, 12, e0186071.	1.1	5
516	Sensitivity of restriction spectrum imaging to memory and neuropathology in Alzheimer's disease. Alzheimer's Research and Therapy, 2017, 9, 55.	3.0	25
517	Myocardial T2* mapping at ultrahigh magnetic fields: in vivo myocardial tissue characteri-zation and assessment of cardiac physiology with magnetic resonance imaging. Current Directions in Biomedical Engineering, 2017, 3, 433-436.	0.2	0
518	Progressive supranuclear palsy and idiopathic Parkinson's disease are associated with local reduction of in vivo brain viscoelasticity. European Radiology, 2018, 28, 3347-3354.	2.3	31
519	Age-related functional changes in domain-specific medial temporal lobe pathways. Neurobiology of Aging, 2018, 65, 86-97.	1.5	118
520	Dynamic fMRI networks predict success in a behavioral weight loss program among older adults. NeuroImage, 2018, 173, 421-433.	2.1	29
521	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
522	Functional Imbalance of Anterolateral Entorhinal Cortex and Hippocampal Dentate/CA3ÂUnderlies Age-Related Object Pattern Separation Deficits. Neuron, 2018, 97, 1187-1198.e4.	3.8	156
523	Amygdala–medial prefrontal cortex connectivity relates to stress and mental health in early childhood. Social Cognitive and Affective Neuroscience, 2018, 13, 430-439.	1.5	58
524	MRI Augmentation via Elastic Registration forÂBrain Lesions Segmentation. Lecture Notes in Computer Science, 2018, , 369-380.	1.0	7
525	Evaluation of the Sensitivity of Inhomogeneous Magnetization Transfer (ihMT) MRI for Multiple Sclerosis. American Journal of Neuroradiology, 2018, 39, 634-641.	1.2	42
526	Inflammatory intrathecal profiles and cortical damage in multiple sclerosis. Annals of Neurology, 2018, 83, 739-755.	2.8	219
527	Repairing the brain with physical exercise: Cortical thickness and brain volume increases in long-term pediatric brain tumor survivors in response to a structured exercise intervention. Neurolmage: Clinical, 2018, 18, 972-985.	1.4	63

#	Article	IF	CITATIONS
528	Depression is associated with dimensional and categorical effects on white matter pathways. Depression and Anxiety, 2018, 35, 440-447.	2.0	31
529	High-resolution magnetic resonance elastography reveals differences in subcortical gray matter viscoelasticity between young and healthy older adults. Neurobiology of Aging, 2018, 65, 158-167.	1.5	77
530	Socioeconomic disparities in academic achievement: A multi-modal investigation of neural mechanisms in children and adolescents. NeuroImage, 2018, 173, 298-310.	2.1	107
531	A three-dimensional single-cell-resolution whole-brain atlas using CUBIC-X expansion microscopy and tissue clearing. Nature Neuroscience, 2018, 21, 625-637.	7.1	234
532	White matter degeneration profile in the cognitive corticoâ€subcortical tracts in Parkinson's disease. Movement Disorders, 2018, 33, 1139-1150.	2.2	11
533	Diffusion tensor imaging using multiple coils for mouse brain connectomics. NMR in Biomedicine, 2018, 31, e3921.	1.6	3
534	Deformable Registration for Longitudinal Breast MRI Screening. Journal of Digital Imaging, 2018, 31, 718-726.	1.6	12
535	Microstructural imaging in the spinal cord and validation strategies. NeuroImage, 2018, 182, 169-183.	2.1	42
536	When tractography meets tracer injections: a systematic study of trends and variation sources of diffusion-based connectivity. Brain Structure and Function, 2018, 223, 2841-2858.	1.2	63
537	Ultraâ€highâ€field fMRI insights on insight: Neural correlates of the Aha!â€moment. Human Brain Mapping, 2018, 39, 3241-3252.	1.9	98
538	Repeated mild blast exposure in young adult rats results in dynamic and persistent microstructural changes in the brain. Neurolmage: Clinical, 2018, 18, 60-73.	1.4	28
539	Inter-subject FDG PET Brain Networks Exhibit Multi-scale Community Structure with Different Normalization Techniques. Annals of Biomedical Engineering, 2018, 46, 1001-1012.	1.3	10
540	Detection of chronic lung allograft dysfunction using ventilation-weighted Fourier decomposition MRI. American Journal of Transplantation, 2018, 18, 2050-2060.	2.6	22
541	Joint-Saliency Structure Adaptive Kernel Regression with Adaptive-Scale Kernels for Deformable Registration of Challenging Images. IEEE Access, 2018, 6, 330-343.	2.6	8
542	Structural Connectivity Alterations Along the Alzheimer's Disease Continuum: Reproducibility Across Two Independent Samples and Correlation with Cerebrospinal Fluid Amyloid-β and Tau. Journal of Alzheimer's Disease, 2018, 61, 1575-1587.	1.2	25
543	NiftyNet: a deep-learning platform for medical imaging. Computer Methods and Programs in Biomedicine, 2018, 158, 113-122.	2.6	407
544	Somatosensory BOLD fMRI reveals close link between salient blood pressure changes and the murine neuromatrix. NeuroImage, 2018, 172, 562-574.	2.1	21
545	Telomere length and advanced diffusion MRI as biomarkers for repetitive mild traumatic brain injury in adolescent rats. Neurolmage: Clinical, 2018, 18, 315-324.	1.4	36

#	Article	IF	CITATIONS
546	Diffusion radiomics as a diagnostic model for atypical manifestation of primary central nervous system lymphoma: development and multicenter external validation. Neuro-Oncology, 2018, 20, 1251-1261.	0.6	103
547	Diminished Cortical Thickness Is Associated with Impulsive Choice in Adolescence. Journal of Neuroscience, 2018, 38, 2471-2481.	1.7	55
548	Effect of switching from glatiramer acetate 20†mg/daily to glatiramer acetate 40†mg three times a week on gray and white matter pathology in subjects with relapsing multiple sclerosis: A longitudinal DTI study. Journal of the Neurological Sciences, 2018, 387, 152-156.	0.3	7
549	Diagnostic value of structural and diffusion imaging measures in schizophrenia. Neurolmage: Clinical, 2018, 18, 467-474.	1.4	27
550	Altered functional connectivity differs in stroke survivors with impaired touch sensation following left and right hemisphere lesions. NeuroImage: Clinical, 2018, 18, 342-355.	1.4	32
551	Hemispheric asymmetries in the orientation and location of the lateral geniculate nucleus in dyslexia. Dyslexia, 2018, 24, 197-203.	0.8	14
552	Multi ompartmental diffusion characterization of the human cervical spinal cord in vivo using the spherical mean technique. NMR in Biomedicine, 2018, 31, e3894.	1.6	21
553	Image Registration to Compensate for EPI Distortion in Patients with Brain Tumors: An Evaluation of Tractâ€Specific Effects. Journal of Neuroimaging, 2018, 28, 173-182.	1.0	15
554	Radiomics as a Quantitative Imaging Biomarker: Practical Considerations and the Current Standpoint in Neuro-oncologic Studies. Nuclear Medicine and Molecular Imaging, 2018, 52, 99-108.	0.6	60
555	Automatic deformable PET/MRI registration for preclinical studies based on B-splines and non-linear intensity transformation. Medical and Biological Engineering and Computing, 2018, 56, 1531-1539.	1.6	4
556	Mapping population-based structural connectomes. NeuroImage, 2018, 172, 130-145.	2.1	66
557	Advanced lesion symptom mapping analyses and implementation as BCBtoolkit. GigaScience, 2018, 7, 1-17.	3.3	226
558	Post-operative deep brain stimulation assessment: Automatic data integration and report generation. Brain Stimulation, 2018, 11, 863-866.	0.7	16
559	Suprathreshold fiber cluster statistics: Leveraging white matter geometry to enhance tractography statistical analysis. Neurolmage, 2018, 171, 341-354.	2.1	26
560	Whole brain white matter histogram analysis of diffusion tensor imaging data detects microstructural damage in mild cognitive impairment and alzheimer's disease patients. Journal of Magnetic Resonance Imaging, 2018, 48, 767-779.	1.9	30
561	Will imaging individual raphe nuclei in males with major depressive disorder enhance diagnostic sensitivity and specificity?. Depression and Anxiety, 2018, 35, 411-420.	2.0	11
562	Resting state brain networks in the prairie vole. Scientific Reports, 2018, 8, 1231.	1.6	16
563	Neural predictors of sensorimotor adaptation rate and savings. Human Brain Mapping, 2018, 39, 1516-1531.	1.9	28

#	Article	IF	CITATIONS
564	Multi-Table Differential Correlation Analysis of Neuroanatomical and Cognitive Interactions in Turner Syndrome. Neuroinformatics, 2018, 16, 81-93.	1.5	1
565	Early Procedural Pain Is Associated with Regionally-Specific Alterations in Thalamic Development in Preterm Neonates. Journal of Neuroscience, 2018, 38, 878-886.	1.7	168
566	Morphometric Similarity Networks Detect Microscale Cortical Organization and Predict Inter-Individual Cognitive Variation. Neuron, 2018, 97, 231-247.e7.	3.8	307
567	Early nutrition influences developmental myelination and cognition in infants and young children. Neurolmage, 2018, 178, 649-659.	2.1	136
568	Gut microbiome populations are associated with structure-specific changes in white matter architecture. Translational Psychiatry, 2018, 8, 6.	2.4	63
569	Alterations of the cerebellum and basal ganglia in bipolar disorder mood states detected by quantitative T1i-mapping. Bipolar Disorders, 2018, 20, 381-390.	1.1	33
570	Regional hippocampal vulnerability in early multiple sclerosis: Dynamic pathological spreading from dentate gyrus to <scp>CA</scp> 1. Human Brain Mapping, 2018, 39, 1814-1824.	1.9	49
571	Effect of dimethyl fumarate on gray and white matter pathology in subjects with relapsing multiple sclerosis: a longitudinal study. European Journal of Neurology, 2018, 25, 584-e36.	1.7	11
572	Identifying and characterizing systematic temporally-lagged BOLD artifacts. NeuroImage, 2018, 171, 376-392.	2.1	49
573	Two critical brain networks for generation and combination of remote associations. Brain, 2018, 141, 217-233.	3.7	66
574	Investigation of brain structure in the 1-month infant. Brain Structure and Function, 2018, 223, 1953-1970.	1.2	54
575	Hierarchical combinatorial deep learning architecture for pancreas segmentation of medical computed tomography cancer images. BMC Systems Biology, 2018, 12, 56.	3.0	52
576	Progression of White Matter Hyperintensities Preceded by Heterogeneous Decline of Microstructural Integrity. Stroke, 2018, 49, 1386-1393.	1.0	66
577	Children's academic attainment is linked to the global organization of the white matter connectome. Developmental Science, 2018, 21, e12662.	1.3	23
578	Discriminative analysis of regional evolution of iron and myelin/calcium in deep gray matter of multiple sclerosis and healthy subjects. Journal of Magnetic Resonance Imaging, 2018, 48, 652-668.	1.9	19
579	Perfusion alterations converge with patterns of pathological spread in transactive response DNA-binding protein 43 proteinopathies. Neurobiology of Aging, 2018, 68, 85-92.	1.5	11
580	Atlas-based segmentation of neonatal brain MR images using a gray matter enhancing step. Signal, Image and Video Processing, 2018, 12, 633-640.	1.7	1
581	Longitudinal decline in structural networks predicts dementia in cerebral small vessel disease. Neurology, 2018, 90, e1898-e1910.	1.5	45

#	Article	IF	Citations
582	Longitudinal development of hippocampal subregions from childhood to adulthood. Developmental Cognitive Neuroscience, 2018, 30, 212-222.	1.9	76
583	Region-Adaptive Deformable Registration of CT/MRI Pelvic Images via Learning-Based Image Synthesis. IEEE Transactions on Image Processing, 2018, 27, 3500-3512.	6.0	36
584	Effect of different spatial normalization approaches on tractography and structural brain networks. Network Neuroscience, 2018, 2, 362-380.	1.4	20
585	Abnormal language-related oscillatory responses in primary progressive aphasia. NeuroImage: Clinical, 2018, 18, 560-574.	1.4	24
586	Effects of resveratrol on memory performance, hippocampus connectivity and microstructure in older adults – A randomized controlled trial. NeuroImage, 2018, 174, 177-190.	2.1	63
587	A comparison of publicly available linear MRI stereotaxic registration techniques. Neurolmage, 2018, 174, 191-200.	2.1	120
588	Effect of teriflunomide on gray and white matter brain pathology in multiple sclerosis using volumetric and diffusion-tensor imaging MRI measures. Journal of the Neurological Sciences, 2018, 388, 175-181.	0.3	15
589	Vestibular brain changes within 70 days of head down bed rest. Human Brain Mapping, 2018, 39, 2753-2763.	1.9	43
590	A spatio-temporal atlas and statistical model of the tongue during speech from cine-MRI. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 520-531.	1.3	12
591	A probabilistic template of human mesopontine tegmental nuclei from in vivo 7 T MRI. NeuroImage, 2018, 170, 222-230.	2.1	45
592	Nonâ€gaussian diffusion evaluation of the human kidney by Padé exponent model. Journal of Magnetic Resonance Imaging, 2018, 47, 160-167.	1.9	5
593	Amide proton transfer CEST of the cervical spinal cord in multiple sclerosis patients at 3T. Magnetic Resonance in Medicine, 2018, 79, 806-814.	1.9	52
594	Functional Brain Parcellations of the Infant Brain and the Associated Developmental Trends. Cerebral Cortex, 2018, 28, 1358-1368.	1.6	55
595	Unsmoothed functional MRI of the human amygdala and bed nucleus of the stria terminalis during processing of emotional faces. NeuroImage, 2018, 168, 383-391.	2.1	34
596	Development of a high resolution MRI intracranial atherosclerosis imaging phantom. Journal of NeuroInterventional Surgery, 2018, 10, 143-149.	2.0	13
597	Impaired white matter connectivity between regions containing mirror neurons, and relationship to negative symptoms and social cognition, in patients with first-episode schizophrenia. Brain Imaging and Behavior, 2018, 12, 229-237.	1.1	26
598	Abnormal asymmetry of white matter tracts between ventral posterior cingulate cortex and middle temporal gyrus in recent-onset schizophrenia. Schizophrenia Research, 2018, 192, 159-166.	1.1	22
599	Toward defining deep brain stimulation targets in MNI space: A subcortical atlas based on multimodal MRI, histology and structural connectivity. NeuroImage, 2018, 170, 271-282.	2.1	422

#	Article	IF	CITATIONS
600	Salience network response to changes in emotional expressions of others is heightened during early adolescence: relevance for social functioning. Developmental Science, 2018, 21, e12571.	1.3	36
601	Longitudinal Volume Quantification of Deep Medullary Veins in Patients with Cerebral Venous Sinus Thrombosis. Clinical Neuroradiology, 2018, 28, 493-499.	1.0	7
602	Impaired sensory processing measured by functional MRI in Bipolar disorder manic and depressed mood states. Brain Imaging and Behavior, 2018, 12, 837-847.	1.1	47
603	High-resolution in vivo imaging of human locus coeruleus by magnetization transfer MRI at 3T and 7T. Neurolmage, 2018, 168, 427-436.	2.1	104
604	Recognition of white matter bundles using local and global streamline-based registration and clustering. NeuroImage, 2018, 170, 283-295.	2.1	205
605	Intergenerational Effect of Maternal Exposure to Childhood Maltreatment on Newborn Brain Anatomy. Biological Psychiatry, 2018, 83, 120-127.	0.7	138
606	Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. Neuro-Oncology, 2018, 20, 848-857.	0.6	170
607	CSF β-amyloid and white matter damage: a new perspective on Alzheimer's disease. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 352-357.	0.9	36
608	A hitchhiker's guide to lesion-behaviour mapping. Neuropsychologia, 2018, 115, 5-16.	0.7	97
609	The Role of Visual Association Cortex in Associative Memory Formation across Development. Journal of Cognitive Neuroscience, 2018, 30, 365-380.	1.1	36
610	Acute White-Matter Abnormalities in Sports-Related Concussion: A Diffusion Tensor Imaging Study from the NCAA-DoD CARE Consortium. Journal of Neurotrauma, 2018, 35, 2653-2664.	1.7	61
611	Feasibility of quantitative regional ventilation and perfusion mapping with phaseâ€resolved functional lung (PREFUL) MRI in healthy volunteers and COPD, CTEPH, and CF patients. Magnetic Resonance in Medicine, 2018, 79, 2306-2314.	1.9	134
612	Processing of structural neuroimaging data in young children: Bridging the gap between current practice and state-of-the-art methods. Developmental Cognitive Neuroscience, 2018, 33, 206-223.	1.9	50
613	A methodology for thermal dose model parameter development using perioperative MRI. International Journal of Hyperthermia, 2018, 34, 687-696.	1.1	6
614	An open, multi-vendor, multi-field-strength brain MR dataset and analysis of publicly available skull stripping methods agreement. Neurolmage, 2018, 170, 482-494.	2.1	131
615	Comparison between images via bilinear fuzzy relation equations. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1517-1525.	3.3	5
616	A comparison of inhomogeneous magnetization transfer, myelin volume fraction, and diffusion tensor imaging measures in healthy children. Neurolmage, 2018, 182, 343-350.	2.1	57
617	Improved accuracy of lesion to symptom mapping with multivariate sparse canonical correlations. Neuropsychologia, 2018, 115, 154-166.	0.7	145

#	Article	IF	Citations
618	Functional connectivity in dementia with Lewy bodies: A within―and betweenâ€network analysis. Human Brain Mapping, 2018, 39, 1118-1129.	1.9	55
619	Investigating the effects of subconcussion on functional connectivity using mass-univariate and multivariate approaches. Brain Imaging and Behavior, 2018, 12, 1332-1345.	1.1	26
620	Neocortical origin and progression of gray matter atrophy in nonamnestic Alzheimer's disease. Neurobiology of Aging, 2018, 63, 75-87.	1.5	61
621	Intrinsic functional connectivity of the central extended amygdala. Human Brain Mapping, 2018, 39, 1291-1312.	1.9	70
622	A Retrospective Study of Predictors of Return to Duty versus Medical Retirement in an Active Duty Military Population with Blast-Related Mild Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 991-1002.	1.7	20
623	Intensity-based volumetric registration of magnetic resonance images and whole-mount sections of the prostate. Computerized Medical Imaging and Graphics, 2018, 63, 24-30.	3.5	17
624	Relations between cortical thickness, serotonin 1 A receptor binding, and structural connectivity: A multimodal imaging study. Human Brain Mapping, 2018, 39, 1043-1055.	1.9	13
625	SIENAâ€XL for improving the assessment of gray and white matter volume changes on brain MRI. Human Brain Mapping, 2018, 39, 1063-1077.	1.9	20
626	A digital 3D atlas of the marmoset brain based on multi-modal MRI. NeuroImage, 2018, 169, 106-116.	2.1	127
627	Tau PET imaging predicts cognition in atypical variants of Alzheimer's disease. Human Brain Mapping, 2018, 39, 691-708.	1.9	59
628	Comparison of quantitative regional ventilationâ€weighted fourier decomposition MRI with dynamic fluorinated gas washout MRI and lung function testing in COPD patients. Journal of Magnetic Resonance Imaging, 2018, 47, 1534-1541.	1.9	35
629	Violence exposure and neural systems underlying working memory for emotional stimuli in youth. Development and Psychopathology, 2018, 30, 1517-1528.	1.4	10
630	Usability of Functional MRI in Clinical Studies for Fast and Reliable Assessment of Renal Perfusion and Quantification of Hemodynamic Effects on the Kidney. Journal of Clinical Pharmacology, 2018, 58, 466-473.	1.0	6
631	Brain state expression and transitions are related to complex executive cognition in normative neurodevelopment. Neurolmage, 2018, 166, 293-306.	2.1	61
632	Neurobiological Mechanisms of Chemotherapy-induced Cognitive Impairment in a Transgenic Model of Breast Cancer. Neuroscience, 2018, 369, 51-65.	1.1	51
633	Segmentation of the hippocampus by transferring algorithmic knowledge for large cohort processing. Medical Image Analysis, 2018, 43, 214-228.	7.0	72
634	larvalign: Aligning Gene Expression Patterns from the Larval Brain of Drosophila melanogaster. Neuroinformatics, 2018, 16, 65-80.	1.5	8
635	Altered intrinsic functional connectivity of the cingulate cortex in children with severe temper outbursts. Development and Psychopathology, 2018, 30, 571-579.	1.4	14

#	Article	IF	CITATIONS
636	Dynamic and steadyâ€state oxygenâ€dependent lung relaxometry using inversion recovery ultraâ€fast steadyâ€state free precession imaging at 1.5 T. Magnetic Resonance in Medicine, 2018, 79, 839-845.	1.9	5
637	Image Segmentation, Registration and Characterization in <i>R</i> with SimpleITK . Journal of Statistical Software, 2018, 86, .	1.8	123
638	Low white-matter integrity between the left thalamus and inferior frontal gyrus in patients with insomnia disorder. Journal of Psychiatry and Neuroscience, 2018, 43, 366-374.	1.4	32
639	MRI to Assess Neurological Function. Current Protocols in Mouse Biology, 2018, 8, e44.	1.2	37
640	Jacobian Maps Reveal Under-reported Brain Regions Sensitive to Extreme Binge Ethanol Intoxication in the Rat. Frontiers in Neuroanatomy, 2018, 12, 108.	0.9	6
641	Technology Enablers for Big Data, Multi-Stage Analysis in Medical Image Processing. , 2018, , .		1
642	Rigid Image Registration by Bare Bones Fireworks Algorithm. , 2018, , .		2
643	A Practical Review on Medical Image Registration: From Rigid to Deep Learning Based Approaches. , 2018, , .		16
644	The ipsilesional attention bias in right-hemisphere stroke patients as revealed by a realistic visual search task: Neuroanatomical correlates and functional relevance Neuropsychology, 2018, 32, 850-865.	1.0	28
645	A Multi-modal Convolutional Neural Network Framework for the Prediction of Alzheimer's Disease. , 2018, 2018, 1271-1274.		34
646	Mitigating head motion artifact in functional connectivity MRI. Nature Protocols, 2018, 13, 2801-2826.	5 . 5	211
647	Structural connectome of the human vestibular, pre-motor, and navigation network *., 2018, 2018, 588-591.		1
648	Exploring resting-state functional connectivity invariants across the lifespan in healthy people by means of a recently proposed graph theoretical model. PLoS ONE, 2018, 13, e0206567.	1.1	11
649	Cellular-Resolution Imaging of Vestibular Processing across the Larval Zebrafish Brain. Current Biology, 2018, 28, 3711-3722.e3.	1.8	85
650	Distinct cortical responses evoked by electrical stimulation of the thalamic ventral intermediate nucleus and of the subthalamic nucleus. NeuroImage: Clinical, 2018, 20, 1246-1254.	1.4	24
651	An Unsupervised Learning Model for Deformable Medical Image Registration. , 2018, , .		414
652	Frequent lucid dreaming associated with increased functional connectivity between frontopolar cortex and temporoparietal association areas. Scientific Reports, 2018, 8, 17798.	1.6	27
653	Acute alcohol administration dampens central extended amygdala reactivity. Scientific Reports, 2018, 8, 16702.	1.6	18

#	Article	IF	CITATIONS
654	Genetic risk for schizophrenia and autism, social impairment and developmental pathways to psychosis. Translational Psychiatry, 2018, 8, 204.	2.4	16
655	The morphology of the human cerebrovascular system. Human Brain Mapping, 2018, 39, 4962-4975.	1.9	78
656	An Open Resource for Non-human Primate Imaging. Neuron, 2018, 100, 61-74.e2.	3.8	190
657	LesionBrain: An Online Tool for White Matter Lesion Segmentation. Lecture Notes in Computer Science, 2018, , 95-103.	1.0	17
658	Survey of automated multiple sclerosis lesion segmentation techniques on magnetic resonance imaging. Computerized Medical Imaging and Graphics, 2018, 70, 83-100.	3.5	72
659	Fast neural learning in dogs: A multimodal sensory fMRI study. Scientific Reports, 2018, 8, 14614.	1.6	16
660	Tensorâ€based morphometry using scalar and directional information of diffusion tensor MRI data (DTBM): Application to hereditary spastic paraplegia. Human Brain Mapping, 2018, 39, 4643-4651.	1.9	12
662	Sensitive Periods for Cerebellar-Mediated Autistic-like Behaviors. Cell Reports, 2018, 25, 357-367.e4.	2.9	82
663	Altered white matter connectivity in patients with schizophrenia: An investigation using public neuroimaging data from SchizConnect. PLoS ONE, 2018, 13, e0205369.	1.1	14
664	Medial temporal lobe functional connectivity predicts stimulation-induced theta power. Nature Communications, 2018, 9, 4437.	5.8	48
665	Differential Gray Matter Vulnerability in the 1 Year Following a Clinically Isolated Syndrome. Frontiers in Neurology, 2018, 9, 824.	1.1	12
666	Derivation of Fiber Orientations From Oblique Views Through Human Brain Sections in 3D-Polarized Light Imaging. Frontiers in Neuroanatomy, 2018, 12, 75.	0.9	21
667	Neural correlates of multi-day learning and savings in sensorimotor adaptation. Scientific Reports, 2018, 8, 14286.	1.6	24
668	A momentum-based diffeomorphic demons framework for deformable MR-CT image registration. Physics in Medicine and Biology, 2018, 63, 215006.	1.6	6
669	Faster family-wise error control for neuroimaging with a parametric bootstrap. Biostatistics, 2018, 19, 497-513.	0.9	8
670	On the Extraction and Analysis of Graphs From Resting-State fMRI to Support a Correct and Robust Diagnostic Tool for Alzheimer's Disease. Frontiers in Neuroscience, 2018, 12, 528.	1.4	7
671	Awake fMRI Reveals Brain Regions for Novel Word Detection in Dogs. Frontiers in Neuroscience, 2018, 12, 737.	1.4	26
672	Disruption of neurite morphology parallels MS progression. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e502.	3.1	43

#	Article	IF	Citations
673	Self-regulation of the dopaminergic reward circuit in cocaine users with mental imagery and neurofeedback. EBioMedicine, 2018, 37, 489-498.	2.7	35
674	Multimodal canonical correlation reveals converging neural circuitry across trauma-related disorders of affect and cognition. Neurobiology of Stress, 2018, 9, 241-250.	1.9	15
675	Weighted Stochastic Block Models of the Human Connectome across the Life Span. Scientific Reports, 2018, 8, 12997.	1.6	70
676	Endoscopic Navigation in the Absence of CT Imaging. Lecture Notes in Computer Science, 2018, , 64-71.	1.0	12
677	Thorax xâ€ray and <scp>CT</scp> interventional dataset for nonrigid 2D/3D image registration evaluation. Medical Physics, 2018, 45, 5343-5351.	1.6	6
678	Adaptive fusion of texture-based grading for Alzheimer's disease classification. Computerized Medical Imaging and Graphics, 2018, 70, 8-16.	3.5	44
679	Epilepsyâ€predictive magnetic resonance imaging changes following experimental febrile status epilepticus: Are they translatable to the clinic?. Epilepsia, 2018, 59, 2005-2018.	2.6	11
680	Big-Loop Recurrence within the Hippocampal System Supports Integration of Information across Episodes. Neuron, 2018, 99, 1342-1354.e6.	3.8	110
682	Application of Machine Learning to Automated Analysis of Cerebral Edema in Large Cohorts of Ischemic Stroke Patients. Frontiers in Neurology, 2018, 9, 687.	1.1	34
683	Borderline Personality Disorder With Cocaine Dependence: Impulsivity, Emotional Dysregulation and Amygdala Functional Connectivity. Frontiers in Psychiatry, 2018, 9, 328.	1.3	12
684	Visual brain plasticity induced by central and peripheral visual field loss. Brain Structure and Function, 2018, 223, 3473-3485.	1.2	13
685	Screen Printed Phosphorus Dopant Paste Diffusion optimization for Silicon Solar Cell Applications. , 2018, , .		1
687	ICCEE 2018 Index., 2018,,.		0
688	A Novel Registration-Based Semiautomatic Mandible Segmentation Pipeline Using Computed Tomography Images to Study Mandibular Development. Journal of Computer Assisted Tomography, 2018, 42, 306-316.	0.5	17
689	A deep learning framework for brain extraction in humans and animals with traumatic brain injury. , 2018, , .		20
690	Non-rigid image registration using self-supervised fully convolutional networks without training data., 2018, 2018, 1075-1078.		116
691	Statistically-constrained robust diffeomorphic registration. , 2018, , .		0
692	Accelerated 3Dâ€GRASE imaging improves quantitative multiple post labeling delay arterial spin labeling. Magnetic Resonance in Medicine, 2018, 80, 2475-2484.	1.9	23

#	Article	IF	CITATIONS
693	Construction of population-specific Indian MRI brain template: Morphometric comparison with Chinese and Caucasian templates. Asian Journal of Psychiatry, 2018, 35, 93-100.	0.9	16
694	Individualized tractography-based parcellation of the globus pallidus pars interna using 7T MRI in movement disorder patients prior to DBS surgery. NeuroImage, 2018, 178, 198-209.	2.1	63
695	Association of acute depressive symptoms and functional connectivity of emotional processing regions following sport-related concussion. NeuroImage: Clinical, 2018, 19, 434-442.	1.4	21
696	Hybrid Diffusion Imaging in Mild Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2377-2390.	1.7	41
697	Spatial Comparison of CT-Based Surrogates of Lung Ventilation With Hyperpolarized Helium-3 and Xenon-129 Gas MRI in Patients Undergoing Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1276-1286.	0.4	28
698	A computational framework for the detection of subcortical brain dysmaturation in neonatal MRI using 3D Convolutional Neural Networks. NeuroImage, 2018, 178, 183-197.	2.1	33
699	The coding of valence and identity in the mammalian taste system. Nature, 2018, 558, 127-131.	13.7	158
700	APOE ε4 status in healthy older African Americans is associated with deficits in pattern separation and hippocampal hyperactivation. Neurobiology of Aging, 2018, 69, 221-229.	1.5	36
701	TBI contusion segmentation from MRI using convolutional neural networks., 2018,,.		27
702	Estimating shape correspondence for populations of objects with complex topology. , 2018, 2018, 1010-1013.		3
703	Distinct progression pattern of susceptibility MRI in the substantia nigra of Parkinson's patients. Movement Disorders, 2018, 33, 1423-1431.	2.2	75
704	Diffusion MRI tractography for improved transcranial MRI-guided focused ultrasound thalamotomy targeting for essential tremor. Neurolmage: Clinical, 2018, 19, 572-580.	1.4	64
705	Cortical thickness analysis in operculo-insular epilepsy. NeuroImage: Clinical, 2018, 19, 727-733.	1.4	7
706	Impact of Focal White Matter Damage on Localized Subcortical Gray Matter Atrophy in Multiple Sclerosis: A 5-Year Study. American Journal of Neuroradiology, 2018, 39, 1480-1486.	1.2	13
707	Statistical harmonization corrects site effects in functional connectivity measurements from multiâ€site fMRI data. Human Brain Mapping, 2018, 39, 4213-4227.	1.9	295
708	Kappa opioid receptor binding in major depression: A pilot study. Synapse, 2018, 72, e22042.	0.6	26
709	PDE-constrained optimization in medical image analysis. Optimization and Engineering, 2018, 19, 765-812.	1.3	31
710	Morphometric analysis and neuroanatomical mapping of the zebrafish brain. Methods, 2018, 150, 49-62.	1.9	34

#	Article	IF	Citations
711	Chemical exchange saturation transfer MRI shows low cerebral 2-deoxy-D-glucose uptake in a model of Alzheimer's Disease. Scientific Reports, 2018, 8, 9576.	1.6	33
712	An efficient and accurate method for robust interâ€dataset brain extraction and comparisons with 9 other methods. Human Brain Mapping, 2018, 39, 4241-4257.	1.9	4
713	Distinct regional brain atrophy pattern in multiple sclerosis and neuropsychiatric systemic lupus erythematosus patients. Lupus, 2018, 27, 1624-1635.	0.8	5
714	Segmentation of parotid glands from registered CT and MR images. Physica Medica, 2018, 52, 33-41.	0.4	33
715	Functional Connectivity within the Primate Extended Amygdala Is Heritable and Associated with Early-Life Anxious Temperament. Journal of Neuroscience, 2018, 38, 7611-7621.	1.7	97
716	A robust deconvolution method to disentangle multiple water pools in diffusion MRI. NMR in Biomedicine, 2018, 31, e3965.	1.6	23
717	Linked dimensions of psychopathology and connectivity in functional brain networks. Nature Communications, 2018, 9, 3003.	5.8	323
718	Dual-Energy CT Imaging of Tumor Liposome Delivery After Gold Nanoparticle-Augmented Radiation Therapy. Theranostics, 2018, 8, 1782-1797.	4.6	79
719	Population-averaged MRI atlases for automated image processing and assessments of lumbar paraspinal muscles. European Spine Journal, 2018, 27, 2442-2448.	1.0	16
720	Prenatal stress and the developing brain: Risks for neurodevelopmental disorders. Development and Psychopathology, 2018, 30, 743-762.	1.4	110
721	Brain Network Modularity Predicts Exercise-Related Executive Function Gains in Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 426.	1.7	83
722	Impulsivity in Parkinson's Disease Is Associated With Alterations in Affective and Sensorimotor Striatal Networks. Frontiers in Neurology, 2018, 9, 279.	1.1	26
723	Network Analysis in Disorders of Consciousness: Four Problems and One Proposed Solution (Exponential Random Graph Models). Frontiers in Neurology, 2018, 9, 439.	1.1	20
724	A Statistically Representative Atlas for Mapping Neuronal Circuits in the Drosophila Adult Brain. Frontiers in Neuroinformatics, 2018, 12, 13.	1.3	16
725	Inter-subject Registration of Functional Images: Do We Need Anatomical Images?. Frontiers in Neuroscience, 2018, 12, 64.	1.4	34
726	Optimized partial-coverage functional analysis pipeline (OPFAP): a semi-automated pipeline for skull stripping and co-registration of partial-coverage, ultra-high-field functional images. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 621-632.	1.1	4
727	Effects of Delayed Cord Clamping on 4-Month Ferritin Levels, Brain Myelin Content, and Neurodevelopment: A Randomized Controlled Trial. Journal of Pediatrics, 2018, 203, 266-272.e2.	0.9	66
728	Deficits in mesolimbic reward pathway underlie social interaction impairments in children with autism. Brain, 2018, 141, 2795-2805.	3.7	73

#	ARTICLE	IF	Citations
729	Brain Iron at Quantitative MRI Is Associated with Disability in Multiple Sclerosis. Radiology, 2018, 289, 487-496.	3.6	75
730	Neuroplasticity in the cerebello-thalamo-basal ganglia pathway: AÂlongitudinal in vivo MRI study in male songbirds. NeuroImage, 2018, 181, 190-202.	2.1	12
731	Accelerated and Premature Aging Characterizing Regional Cortical Volume Loss in Human Immunodeficiency Virus Infection: Contributions From Alcohol, Substance Use, and Hepatitis C Coinfection. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 844-859.	1.1	67
732	Analysis of neuroanatomical differences in mice with genetically modified serotonin transporters assessed by structural magnetic resonance imaging. Molecular Autism, 2018, 9, 24.	2.6	14
733	Magnetic resonance spectroscopy of fiber tracts in children with traumatic brain injury: A combined MRS – Diffusion MRI study. Human Brain Mapping, 2018, 39, 3759-3768.	1.9	19
734	Adaptive template generation for amyloid PET using a deep learning approach. Human Brain Mapping, 2018, 39, 3769-3778.	1.9	46
735	Detailed T1-Weighted Profiles from the Human Cortex Measured in Vivo at 3 Tesla MRI. Neuroinformatics, 2018, 16, 181-196.	1.5	7
736	Quantitative cardiovascular magnetic resonance perfusion imaging identifies reduced flow reserve in microvascular coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 14.	1.6	72
737	White matter tract network disruption explains reduced conscientiousness in multiple sclerosis. Human Brain Mapping, 2018, 39, 3682-3690.	1.9	23
738	IntrAnat Electrodes: A Free Database and Visualization Software for Intracranial Electroencephalographic Data Processed for Case and Group Studies. Frontiers in Neuroinformatics, 2018, 12, 40.	1.3	38
739	Rigid and non-rigid registration of polarized light imaging data for 3D reconstruction of the temporal lobe of the human brain at micrometer resolution. NeuroImage, 2018, 181, 235-251.	2.1	20
740	Technical Note: Retrospective reduction in systematic differences across scanner changes by accounting for noise floor effects in diffusion tensor imaging. Medical Physics, 2018, 45, 4171-4178.	1.6	5
741	Chemical Landscape for Tissue Clearing Based on Hydrophilic Reagents. Cell Reports, 2018, 24, 2196-2210.e9.	2.9	221
742	Volumetric development of the zebra finch brain throughout the first 200 days of post-hatch life traced by in vivo MRI. Neurolmage, 2018, 183, 227-238.	2.1	4
743	Neural correlates of video game empathy training in adolescents: a randomized trial. Npj Science of Learning, 2018, 3, 13.	1.5	29
744	Meyer's loop tractography for image-guided surgery depends on imaging protocol and hardware. NeuroImage: Clinical, 2018, 20, 458-465.	1.4	30
745	Modeling Transcranial Direct-Current Stimulation-Induced Electric Fields in Children and Adults. Frontiers in Human Neuroscience, 2018, 12, 268.	1.0	52
746	Using high-dimensional machine learning methods to estimate an anatomical risk factor for Alzheimer's disease across imaging databases. Neurolmage, 2018, 183, 401-411.	2.1	38

#	Article	IF	CITATIONS
747	Subcortical structural connectivity of insular subregions. Scientific Reports, 2018, 8, 8596.	1.6	124
748	Repeated mild traumatic brain injury can cause acute neurologic impairment without overt structural damage in juvenile rats. PLoS ONE, 2018, 13, e0197187.	1.1	46
749	Reliability of using single specialist annotation for designing and evaluating automatic segmentation methods: A skull stripping case study. , 2018 , , .		1
750	TSPO expression and brain structure in the psychosis spectrum. Brain, Behavior, and Immunity, 2018, 74, 79-85.	2.0	17
751	Estimation of the ear canal displacement field due to in-ear device insertion using a registration method on a human-like artificial ear. Hearing Research, 2018, 365, 16-27.	0.9	7
752	Multivariate pattern classification of brain white matter connectivity predicts classic trigeminal neuralgia. Pain, 2018, 159, 2076-2087.	2.0	32
753	Early seizures and temporal lobe trauma predict post-traumatic epilepsy: A longitudinal study. Neurobiology of Disease, 2019, 123, 115-121.	2.1	91
754	A Web-Based Atlas Combining MRI and Histology of the Squirrel Monkey Brain. Neuroinformatics, 2019, 17, 131-145.	1.5	11
755	Microelectrode Recordings Validate the Clinical Visualization of Subthalamic-Nucleus Based on 7T Magnetic Resonance Imaging and Machine Learning for Deep Brain Stimulation Surgery. Neurosurgery, 2019, 84, 749-757.	0.6	33
756	Stressful Life Events, ADHD Symptoms, and Brain Structure in Early Adolescence. Journal of Abnormal Child Psychology, 2019, 47, 421-432.	3.5	34
757	3D mapping of the placenta during early gestation using freeâ€breathing multiecho stackâ€ofâ€radial MRI at 3T. Journal of Magnetic Resonance Imaging, 2019, 49, 291-303.	1.9	23
758	Incorporating diffusion- and perfusion-weighted MRI into a radiomics model improves diagnostic performance for pseudoprogression in glioblastoma patients. Neuro-Oncology, 2019, 21, 404-414.	0.6	153
759	Changes in neonatal regional brain volume associated with preterm birth and perinatal factors. Neurolmage, 2019, 185, 654-663.	2.1	45
760	Heritability of Regional Brain Volumes in Large-Scale Neuroimaging and Genetic Studies. Cerebral Cortex, 2019, 29, 2904-2914.	1.6	36
761	The role of the subchondral layer in osteonecrosis of the femoral head: analysis based on HR-QCT in comparison to MRI findings. Acta Radiologica, 2019, 60, 501-508.	0.5	13
762	Dynamic contrast-enhanced CT for the assessment of tumour response in malignant pleural mesothelioma: a pilot study. European Radiology, 2019, 29, 682-688.	2.3	14
763	An adaptive probabilistic atlas for anomalous brain segmentation in MR images. Medical Physics, 2019, 46, 4940-4950.	1.6	8
764	Central Nervous System Correlates of "Objective―Neuropathy in Alcohol Use Disorder. Alcoholism: Clinical and Experimental Research, 2019, 43, 2144-2152.	1.4	7

#	ARTICLE	IF	CITATIONS
765	Correlated Resting-State Functional MRI Activity of Frontostriatal, Thalamic, Temporal, and Cerebellar Brain Regions Differentiates Stroke Survivors with High Compared to Low Depressive Symptom Scores. Neural Plasticity, 2019, 2019, 1-12.	1.0	7
766	Holistic Recollection via Pattern Completion Involves Hippocampal Subfield CA3. Journal of Neuroscience, 2019, 39, 8100-8111.	1.7	50
767	Cartilage recovery in runners with and without knee osteoarthritis: A pilot study. Knee, 2019, 26, 1049-1057.	0.8	16
768	High interictal connectivity within the resection zone is associated with favorable post-surgical outcomes in focal epilepsy patients. NeuroImage: Clinical, 2019, 23, 101908.	1.4	41
769	Longitudinal Molecular Magnetic Resonance Imaging of Endothelial Activation after Severe Traumatic Brain Injury. Journal of Clinical Medicine, 2019, 8, 1134.	1.0	5
770	Longitudinal Mapping of Cortical Thickness Measurements: An Alzheimer's Disease Neuroimaging Initiative-Based Evaluation Study. Journal of Alzheimer's Disease, 2019, 71, 165-183.	1.2	31
771	Predictors for Late Post-Intracerebral Hemorrhage Dementia in Patients with Probable Cerebral Amyloid Angiopathy. Journal of Alzheimer's Disease, 2019, 71, 435-442.	1.2	9
772	A macaque connectome for large-scale network simulations in TheVirtualBrain. Scientific Data, 2019, 6, 123.	2.4	56
773	Diffusion Tensor Imaging Analysis of White Matter Microstructural Integrity in Infants With Retinopathy of Prematurity., 2019, 60, 3024.		7
774	Machine Learning for Automatic Paraspinous Muscle Area and Attenuation Measures on Low-Dose Chest CT Scans. Academic Radiology, 2019, 26, 1686-1694.	1.3	34
775	Serotonin Transporter Binding Potentials in Brain of Juvenile Monkeys 1 Year After Discontinuation of a 2-Year Treatment With Fluoxetine. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 948-955.	1.1	3
776	CRISPR/Cas9 mediated generation of an ovine model for infantile neuronal ceroid lipofuscinosis (CLN1) Tj ETQq1	l 0.78431	4 _{rg} BT /Ove
777	Age moderates the relationship between cortical thickness and cognitive performance. Neuropsychologia, 2019, 132, 107136.	0.7	10
778	Radiomics in peritumoral non-enhancing regions: fractional anisotropy and cerebral blood volume improve prediction of local progression and overall survival in patients with glioblastoma. Neuroradiology, 2019, 61, 1261-1272.	1.1	35
779	Attenuated prefrontal and temporal neural activity during working memory as a potential biomarker of suicidal ideation in veterans with PTSD. Journal of Affective Disorders, 2019, 257, 607-614.	2.0	7
780	A multiparametric analysis of white matter maturation during late childhood and adolescence. Human Brain Mapping, 2019, 40, 4345-4356.	1.9	58
781	The Continuous Registration Challenge: Evaluation-as-a-Service for Medical Image Registration Algorithms. , 2019, , .		6
782	The impact of ischemic stroke on connectivity gradients. Neurolmage: Clinical, 2019, 24, 101947.	1.4	37

#	Article	IF	CITATIONS
783	The contribution of acute infarcts to cerebral small vessel disease progression. Annals of Neurology, 2019, 86, 582-592.	2.8	27
784	Convolutional neural networks for skull-stripping in brain MR imaging using silver standard masks. Artificial Intelligence in Medicine, 2019, 98, 48-58.	3.8	33
785	Human Disc Nucleotomy Alters Annulus Fibrosus Mechanics at Both Reference and Compressed Loads. Journal of Biomechanical Engineering, 2019, 141, .	0.6	4
786	Facial emotion recognition in children treated for posterior fossa tumours and typically developing children: A divergence of predictors. NeuroImage: Clinical, 2019, 23, 101886.	1.4	10
787	Dorsal Amygdala Neurotrophin-3 Decreases Anxious Temperament in Primates. Biological Psychiatry, 2019, 86, 881-889.	0.7	27
788	Reduced diffusion in normal appearing white matter of glioma patients following radio(chemo)therapy. Radiotherapy and Oncology, 2019, 140, 110-115.	0.3	21
789	Embryonic Ethanol Exposure Affects the Early Development, Migration, and Location of Hypocretin/Orexin Neurons in Zebrafish. Alcoholism: Clinical and Experimental Research, 2019, 43, 1702-1713.	1.4	21
790	Image Registration in Medical Robotics and Intelligent Systems: Fundamentals and Applications. Advanced Intelligent Systems, 2019, 1, 1900048.	3.3	13
791	Modafinil treatment modulates functional connectivity in stroke survivors with severe fatigue. Scientific Reports, 2019, 9, 9660.	1.6	12
792	Use of magnetic resonance image registration to estimate displacement in the human earcanal due to the insertion of in-ear devices. Journal of the Acoustical Society of America, 2019, 146, 2452-2465.	0.5	4
793	Irritability and brain volume in adolescents: cross-sectional and longitudinal associations. Social Cognitive and Affective Neuroscience, 2019, 14, 687-698.	1.5	20
794	Structural and functional brain correlates of theory of mind impairment post-stroke. Cortex, 2019, 121, 427-442.	1.1	19
795	Anodal Transcranial Direct Current Stimulation Over S1 Differentially Modulates Proprioceptive Accuracy in Young and Old Adults. Frontiers in Aging Neuroscience, 2019, 11, 264.	1.7	11
796	Adolescent Brain Cognitive Development Neurocognitive Prediction. Lecture Notes in Computer Science, 2019, , .	1.0	8
797	Simulation and Synthesis in Medical Imaging. Lecture Notes in Computer Science, 2019, , .	1.0	2
799	An improved neuroanatomical model of the default-mode network reconciles previous neuroimaging and neuropathological findings. Communications Biology, 2019, 2, 370.	2.0	224
800	Smart Ultrasound Imaging and Perinatal, Preterm and Paediatric Image Analysis. Lecture Notes in Computer Science, 2019, , .	1.0	3
802	Test–retest reproducibility of a multiâ€atlas automated segmentation tool on multimodality brain MRI. Brain and Behavior, 2019, 9, e01363.	1.0	25

#	Article	IF	CITATIONS
803	A functional connectome phenotyping dataset including cognitive state and personality measures. Scientific Data, 2019, 6, 180307.	2.4	50
804	A mind-brain-body dataset of MRI, EEG, cognition, emotion, and peripheral physiology in young and old adults. Scientific Data, 2019, 6, 180308.	2.4	188
806	Williams syndrome hemideletion and LIMK1 variation both affect dorsal stream functional connectivity. Brain, 2019, 142, 3963-3974.	3.7	14
807	Genome-wide association analysis of 19,629 individuals identifies variants influencing regional brain volumes and refines their genetic co-architecture with cognitive and mental health traits. Nature Genetics, 2019, 51, 1637-1644.	9.4	186
808	Brain mapping at high resolutions: Challenges and opportunities. Current Opinion in Biomedical Engineering, 2019, 12, 126-131.	1.8	10
809	Equine Stereotaxtic Population Average Brain Atlas With Neuroanatomic Correlation. Frontiers in Neuroanatomy, 2019, 13, 89.	0.9	16
810	Brain structural connectivity network alterations in insomnia disorder reveal a central role of the right angular gyrus. NeuroImage: Clinical, 2019, 24, 102019.	1.4	23
811	Virtual resection predicts surgical outcome for drug-resistant epilepsy. Brain, 2019, 142, 3892-3905.	3.7	93
812	Electrically induced verbal perseveration. Neurology, 2019, 92, e613-e621.	1.5	18
813	CLAIRE: A Distributed-Memory Solver for Constrained Large Deformation Diffeomorphic Image Registration. SIAM Journal of Scientific Computing, 2019, 41, C548-C584.	1.3	20
814	Cerebral blood volume and apparent diffusion coefficient – Valuable predictors of non-response to bevacizumab treatment in patients with recurrent glioblastoma. Journal of the Neurological Sciences, 2019, 405, 116433.	0.3	14
815	Automatic segmentation and classification of breast lesions through identification of informative multiparametric PET/MRI features. European Radiology Experimental, 2019, 3, 18.	1.7	25
816	Hand preference and local asymmetry in cerebral cortex, basal ganglia, and cerebellar white matter. Brain Structure and Function, 2019, 224, 2899-2905.	1.2	14
817	Expansion of hippocampal and amygdala shape in posttraumatic stress and early life stress. Neurolmage: Clinical, 2019, 24, 101982.	1.4	16
818	Preserved network functional connectivity underlies cognitive reserve in multiple sclerosis. Human Brain Mapping, 2019, 40, 5231-5241.	1.9	37
819	Multi-Shell Diffusion MRI Measures of Brain Aging: A Preliminary Comparison From ADNI3. , 2019, , .		3
820	Associations Between Maternal Depression and Infant Fronto-Limbic Connectivity., 2019,,.		5
821	Construction of a rat spinal cord atlas of axon morphometry. Neurolmage, 2019, 202, 116156.	2.1	7

#	Article	IF	CITATIONS
822	Data Augmentation via Image Registration. , 2019, , .		22
823	In vivo Probabilistic Structural Atlas of the Inferior and Superior Colliculi, Medial and Lateral Geniculate Nuclei and Superior Olivary Complex in Humans Based on 7 Tesla MRI. Frontiers in Neuroscience, 2019, 13, 764.	1.4	31
824	Dynamic modular-level alterations of structural-functional coupling in clinically isolated syndrome. Brain, 2019, 142, 3428-3439.	3.7	40
825	Sphingomyelin in Brain and Cognitive Development: Preliminary Data. ENeuro, 2019, 6, ENEURO.0421-18.2019.	0.9	69
826	The Functional Role of Thalamocortical Coupling in the Human Motor Network. Journal of Neuroscience, 2019, 39, 8124-8134.	1.7	28
827	Mild traumatic brain injury induced by primary blast overpressure produces dynamic regional changes in [18F]FDG uptake. Brain Research, 2019, 1723, 146400.	1.1	19
828	Color Categorization Independent of Color Naming. Cell Reports, 2019, 28, 2471-2479.e5.	2.9	27
829	Rostral locus coeruleus integrity is associated with better memory performance in older adults. Nature Human Behaviour, 2019, 3, 1203-1214.	6.2	129
830	Accelerated cortical thinning within structural brain networks is associated with irritability in youth. Neuropsychopharmacology, 2019, 44, 2254-2262.	2.8	26
831	Networks Disrupted in Linguistic Variants of Frontotemporal Dementia. Frontiers in Neurology, 2019, 10, 903.	1.1	11
832	Segregated precuneus network and default mode network in naturalistic imaging. Brain Structure and Function, 2019, 224, 3133-3144.	1.2	20
833	The robust and independent nature of structural STS asymmetries. Brain Structure and Function, 2019, 224, 3171-3182.	1.2	4
834	Brain Connectivity Measures Improve Modeling of Functional Outcome After Acute Ischemic Stroke. Stroke, 2019, 50, 2761-2767.	1.0	24
835	Cyst Ventilation Heterogeneity and Alveolar Airspace Dilation as Early Disease Markers in Lymphangioleiomyomatosis. Annals of the American Thoracic Society, 2019, 16, 1008-1016.	1.5	21
836	Task-based fMRI of a free-viewing visuo-saccadic network in the marmoset monkey. NeuroImage, 2019, 202, 116147.	2.1	35
837	A Modality-Independent Network Underlies the Retrieval of Large-Scale Spatial Environments in the Human Brain. Neuron, 2019, 104, 611-622.e7.	3.8	49
838	Rich-Club Organization: An Important Determinant of Functional Outcome After Acute Ischemic Stroke. Frontiers in Neurology, 2019, 10, 956.	1.1	23
839	Multimodal Hippocampal Subfield Grading For Alzheimer's Disease Classification. Scientific Reports, 2019, 9, 13845.	1.6	33

#	Article	IF	Citations
840	Disruption of white matter connectivity in chronic obstructive pulmonary disease. PLoS ONE, 2019, 14, e0223297.	1.1	1
841	Tracking white matter degeneration in asymptomatic and symptomatic MAPT mutation carriers. Neurobiology of Aging, 2019, 83, 54-62.	1.5	14
842	Identification of neurobehavioural symptom groups based on shared brain mechanisms. Nature Human Behaviour, 2019, 3, 1306-1318.	6.2	37
843	Uncovering convolutional neural network decisions for diagnosing multiple sclerosis on conventional MRI using layer-wise relevance propagation. NeuroImage: Clinical, 2019, 24, 102003.	1.4	93
844	Small Animal Multivariate Brain Analysis (SAMBA) $\hat{a}\in$ a High Throughput Pipeline with a Validation Framework. Neuroinformatics, 2019, 17, 451-472.	1.5	42
845	Multi-atlas segmentation and correction model with level set formulation for 3D brain MR images. Pattern Recognition, 2019, 90, 450-463.	5.1	26
846	Comparison of CT ventilation imaging and hyperpolarised gas MRI: effects of breathing manoeuvre. Physics in Medicine and Biology, 2019, 64, 055013.	1.6	7
847	Artificial Intelligence in Medical Imaging. , 2019, , .		83
848	Central modulation of parasympathetic outflow is impaired in de novo Parkinson's disease patients. PLoS ONE, 2019, 14, e0210324.	1.1	22
849	Structural and functional asymmetry of medial temporal subregions in unilateral temporal lobe epilepsy: A 7T MRI study. Human Brain Mapping, 2019, 40, 2390-2398.	1.9	49
850	Spaceflight-Associated Brain White Matter Microstructural Changes and Intracranial Fluid Redistribution. JAMA Neurology, 2019, 76, 412.	4.5	103
851	Left hemispatial neglect and overt orienting in naturalistic conditions: Role of high-level and stimulus-driven signals. Cortex, 2019, 113, 329-346.	1.1	6
852	Maternal Adiposity Influences Neonatal Brain Functional Connectivity. Frontiers in Human Neuroscience, 2018, 12, 514.	1.0	22
853	Accelerated free-breathing 3D Tli-cardiovascular magnetic resonance using multicoil compressed sensing. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 5.	1.6	15
854	Neurological Diseases. , 2019, , 217-230.		1
855	VoxelMorph: A Learning Framework for Deformable Medical Image Registration. IEEE Transactions on Medical Imaging, 2019, 38, 1788-1800.	5.4	977
857	Multi-Site Meta-Analysis of Morphometry. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1508-1514.	1.9	7
858	Neuronal Architecture of a Visual Center that Processes Optic Flow. Neuron, 2019, 103, 118-132.e7.	3.8	55

#	Article	IF	CITATIONS
859	Brain network modularity predicts cognitive training-related gains in young adults. Neuropsychologia, 2019, 131, 205-215.	0.7	29
860	Reducing variability in along-tract analysis with diffusion profile realignment. Neurolmage, 2019, 199, 663-679.	2.1	10
861	Impaired Glymphatic Transport in Spontaneously Hypertensive Rats. Journal of Neuroscience, 2019, 39, 6365-6377.	1.7	131
862	Correlations of quantitative MRI metrics with myelin basic protein (MBP) staining in a murine model of demyelination. NMR in Biomedicine, 2019, 32, e4116.	1.6	19
863	Voluntary wheel running delays brain atrophy in aged mice. Technology and Health Care, 2019, 27, 175-184.	0.5	0
864	Non-linear registration improves statistical power to detect hippocampal atrophy in aging and dementia. NeuroImage: Clinical, 2019, 23, 101902.	1.4	9
865	Division of labor and brain evolution in insect societies: Neurobiology of extreme specialization in the turtle ant Cephalotes varians. PLoS ONE, 2019, 14, e0213618.	1.1	15
866	Cerebral hunger maps in rodents and humans by diffusion weighted MRI. Appetite, 2019, 142, 104333.	1.8	5
867	Combining Citizen Science and Deep Learning to Amplify Expertise in Neuroimaging. Frontiers in Neuroinformatics, 2019, 13, 29.	1.3	41
868	Amygdala growth from youth to adulthood in the macaque monkey. Journal of Comparative Neurology, 2019, 527, 3034-3045.	0.9	9
869	Regression of left hyperschematia after prism adaptation: A single case study. Cortex, 2019, 119, 128-140.	1.1	2
870	MRIâ€derived regional flowâ€volume loop parameters detect earlyâ€stage chronic lung allograft dysfunction. Journal of Magnetic Resonance Imaging, 2019, 50, 1873-1882.	1.9	33
871	Accurate needle-free assessment of myocardial oxygenation for ischemic heart disease in canines using magnetic resonance imaging. Science Translational Medicine, 2019, 11, .	5.8	12
872	Non-Alcoholic Fatty Liver Disease, and the Underlying Altered Fatty Acid Metabolism, Reveals Brain Hypoperfusion and Contributes to the Cognitive Decline in APP/PS1 Mice. Metabolites, 2019, 9, 104.	1.3	34
873	Altered development of hippocampus-dependent associative learning following early-life adversity. Developmental Cognitive Neuroscience, 2019, 38, 100666.	1.9	27
874	Five year iron changes in relapsing-remitting multiple sclerosis deep gray matter compared to healthy controls. Multiple Sclerosis and Related Disorders, 2019, 33, 107-115.	0.9	17
875	Endoscopic navigation in the clinic: registration in the absence of preoperative imaging. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1495-1506.	1.7	4
876	Examining raphe-amygdala structural connectivity as a biological predictor of SSRI response. Journal of Affective Disorders, 2019, 256, 8-16.	2.0	12

#	ARTICLE	IF	CITATIONS
877	Acute psychosocial stress alters thalamic network centrality. NeuroImage, 2019, 199, 680-690.	2.1	23
878	Relations between cognitive and motor deficits and regional brain volumes in individuals with alcoholism. Brain Structure and Function, 2019, 224, 2087-2101.	1.2	11
879	Longitudinal associations between white matter maturation and cognitive development across early childhood. Human Brain Mapping, 2019, 40, 4130-4145.	1.9	30
880	A randomized trial of an NMDA receptor antagonist for reversing corticosteroid effects on the human hippocampus. Neuropsychopharmacology, 2019, 44, 2263-2267.	2.8	10
881	Learning image-based spatial transformations via convolutional neural networks: A review. Magnetic Resonance Imaging, 2019, 64, 142-153.	1.0	30
882	White matter hyperintensity quantification in large-scale clinical acute ischemic stroke cohorts – The MRI-GENIE study. NeuroImage: Clinical, 2019, 23, 101884.	1.4	48
883	Bronchopulmonary Dysplasia Is Associated with Altered Brain Volumes and White Matter Microstructure in Preterm Infants. Neonatology, 2019, 116, 163-170.	0.9	26
884	Nucleus Isthmi Is Required to Sustain Target Pursuit during Visually Guided Prey-Catching. Current Biology, 2019, 29, 1771-1786.e5.	1.8	56
885	Unhealthy yet Avoidable—How Cognitive Bias Modification Alters Behavioral and Brain Responses to Food Cues in Individuals with Obesity. Nutrients, 2019, 11, 874.	1.7	27
886	Magnetic resonance imaging of mouse brain networks plasticity following motor learning. PLoS ONE, 2019, 14, e0216596.	1.1	20
887	A Spectrotemporal Correlate of Language Impairment in Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2019, 49, 3181-3190.	1.7	7
888	Convolutional nets for reconstructing neural circuits from brain images acquired by serial section electron microscopy. Current Opinion in Neurobiology, 2019, 55, 188-198.	2.0	38
889	Multi-modal imaging with specialized sequences improves accuracy of the automated subcortical grey matter segmentation. Magnetic Resonance Imaging, 2019, 61, 131-136.	1.0	3
890	Evaluating arcuate fasciculus laterality measurements across dataset and tractography pipelines. Human Brain Mapping, 2019, 40, 3695-3711.	1.9	24
891	Synergism between fornix microstructure and beta amyloid accelerates memory decline in clinically normal older adults. Neurobiology of Aging, 2019, 81, 38-46.	1.5	17
892	Novel stochastic framework for automatic segmentation of human thigh MRI volumes and its applications in spinal cord injured individuals. PLoS ONE, 2019, 14, e0216487.	1.1	12
893	Localization of Phonological and Semantic Contributions to Reading. Journal of Neuroscience, 2019, 39, 5361-5368.	1.7	38
894	Neurobiological Markers of Resilience to Depression Following Childhood Maltreatment: The Role of Neural Circuits Supporting the Cognitive Control of Emotion. Biological Psychiatry, 2019, 86, 464-473.	0.7	101

#	Article	IF	CITATIONS
895	Semi-quantification and grading of amyloid PET: A project of the European Alzheimer's Disease Consortium (EADC). NeuroImage: Clinical, 2019, 23, 101846.	1.4	18
896	Characterizing the role of the structural connectome in seizure dynamics. Brain, 2019, 142, 1955-1972.	3.7	56
897	Systolic hypertension-induced neurovascular unit disruption magnifies vascular cognitive impairment in middle-age atherosclerotic LDLrâ ⁻ /lâ ⁻ :hApoB+/+ mice. GeroScience, 2019, 41, 511-532.	2.1	26
898	The effects of psychiatric history and age on self-regulation of the default mode network. Neurolmage, 2019, 198, 150-159.	2.1	18
899	Functional Connectivity Between Sensory-Motor Subnetworks Reflects the Duration of Untreated Psychosis and Predicts Treatment Outcome of First-Episode Drug-NaÃve Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 697-705.	1,1	15
900	A deformation-based approach for characterizing brain asymmetries at different spatial scales of resolution. Journal of Neuroscience Methods, 2019, 322, 1-9.	1.3	6
901	Lesion-Behavior Mapping in Cognitive Neuroscience: A Practical Guide to Univariate and Multivariate Approaches. Neuromethods, 2019, , 209-238.	0.2	9
902	Computational Diffusion MRI. Mathematics and Visualization, 2019, , .	0.4	4
903	Identification of brain connectivity disruptions due to thalamic lesions in early development using Diffusion-Weighted MRI., 2019,,.		0
904	Longitudinal progression of grey matter atrophy in non-amnestic Alzheimer's disease. Brain, 2019, 142, 1701-1722.	3.7	37
905	An algorithm for learning shape and appearance models without annotations. Medical Image Analysis, 2019, 55, 197-215.	7.0	6
906	The deformable most-likely-point paradigm. Medical Image Analysis, 2019, 55, 148-164.	7.0	16
907	Tensor network factorizations: Relationships between brain structural connectomes and traits. Neurolmage, 2019, 197, 330-343.	2.1	55
908	The relationship between biological and psychosocial risk factors and restingâ€state functional connectivity in 2â€monthâ€old Bangladeshi infants: A feasibility and pilot study. Developmental Science, 2019, 22, e12841.	1.3	30
909	The effect of automated landmark identification on morphometric analyses. Journal of Anatomy, 2019, 234, 917-935.	0.9	26
910	Gait worsening and the microlesion effect following deep brain stimulation for essential tremor. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 913-919.	0.9	9
911	Chronic, low-level oral exposure to marine toxin, domoic acid, alters whole brain morphometry in nonhuman primates. NeuroToxicology, 2019, 72, 114-124.	1.4	21
912	Acute intranasal osteopontin treatment in male rats following TBI increases the number of activated microglia but does not alter lesion characteristics. Journal of Neuroscience Research, 2020, 98, 141-154.	1.3	14

#	Article	IF	CITATIONS
913	The cingulum as a marker of individual differences in neurocognitive development. Scientific Reports, 2019, 9, 2281.	1.6	39
914	Lower Limb Task-Based Functional Connectivity Is Altered in Stroke. Brain Connectivity, 2019, 9, 365-377.	0.8	10
915	Deep Group-Wise Registration for Multi-Spectral Images From Fundus Images. IEEE Access, 2019, 7, 27650-27661.	2.6	18
916	Predicting Motor Outcomes in Stroke Patients Using Diffusion Spectrum MRI Microstructural Measures. Frontiers in Neurology, 2019, 10, 72.	1.1	28
917	Optimal repetition time for free breathing myocardial arterial spin labeling. NMR in Biomedicine, 2019, 32, e4077.	1.6	7
918	Speech processing and plasticity in the right hemisphere predict variation in adult foreign language learning. Neurolmage, 2019, 192, 76-87.	2.1	34
919	Lifespan Changes of the Human Brain In Alzheimer's Disease. Scientific Reports, 2019, 9, 3998.	1.6	113
920	Chemical exchange saturation transfer imaging in hepatic encephalopathy. NeuroImage: Clinical, 2019, 22, 101743.	1.4	5
921	Objective Detection of Eloquent Axonal Pathways to Minimize Postoperative Deficits in Pediatric Epilepsy Surgery Using Diffusion Tractography and Convolutional Neural Networks. IEEE Transactions on Medical Imaging, 2019, 38, 1910-1922.	5.4	28
922	Chronic Implantation of Whole-cortical Electrocorticographic Array in the Common Marmoset. Journal of Visualized Experiments, 2019, , .	0.2	10
923	The Applications of Radiomics in Precision Diagnosis and Treatment of Oncology: Opportunities and Challenges. Theranostics, 2019, 9, 1303-1322.	4.6	554
924	Freeâ€breathing quantification of regional ventilation derived by phaseâ€resolved functional lung (PREFUL) MRI. NMR in Biomedicine, 2019, 32, e4088.	1.6	29
925	Evolution of brain atrophy subtypes during aging predicts long-term cognitive decline and future Alzheimer's clinical syndrome. Neurobiology of Aging, 2019, 79, 22-29.	1.5	13
926	The influence of age and performance on hippocampal function and the encoding of contextual information in early childhood. Neurolmage, 2019, 195, 433-443.	2.1	28
927	3D whole brain segmentation using spatially localized atlas network tiles. NeuroImage, 2019, 194, 105-119.	2.1	183
928	Mechanisms of functional compensation, delineated by eigenvector centrality mapping, across the pathophysiological continuum of Alzheimer's disease. NeuroImage: Clinical, 2019, 22, 101777.	1.4	29
929	Learning Unicycling Evokes Manifold Changes in Gray and White Matter Networks Related to Motor and Cognitive Functions. Scientific Reports, 2019, 9, 4324.	1.6	14
930	The physics of brain network structure, function and control. Nature Reviews Physics, 2019, 1, 318-332.	11.9	233

#	ARTICLE	IF	Citations
931	Correlation of Lobar Cerebral Microbleeds with Amyloid, Perfusion, and Metabolism in Alzheimer's Disease. Journal of Alzheimer's Disease, 2019, 68, 1489-1497.	1.2	10
932	Spatial gradients of healthy aging: a study of myelin-sensitive maps. Neurobiology of Aging, 2019, 79, 83-92.	1.5	5
933	Divergent patterns of TDPâ€43 and tau pathologies in primary progressive aphasia. Annals of Neurology, 2019, 85, 630-643.	2.8	40
934	Cannabis use in youth is associated with limited alterations in brain structure. Neuropsychopharmacology, 2019, 44, 1362-1369.	2.8	30
935	Neural Networks for Deep Radiotherapy Dose Analysis and Prediction of Liver SBRT Outcomes. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1821-1833.	3.9	25
936	Neuroconductor: an R platform for medical imaging analysis. Biostatistics, 2019, 20, 218-239.	0.9	43
937	Age-related changes to oscillatory dynamics during maintenance and retrieval in a relational memory task. PLoS ONE, 2019, 14, e0211851.	1.1	11
938	Multiplexing of Theta and Alpha Rhythms in the Amygdala-Hippocampal Circuit Supports Pattern Separation of Emotional Information. Neuron, 2019, 102, 887-898.e5.	3.8	77
939	Dynamic functional connectivity changes in dementia with Lewy bodies and Alzheimer's disease. NeuroImage: Clinical, 2019, 22, 101812.	1.4	88
940	In vivo localization of cortical areas using a 3D computerized atlas of the marmoset brain. Brain Structure and Function, 2019, 224, 1957-1969.	1.2	11
941	The architecture of functional lateralisation and its relationship to callosal connectivity in the human brain. Nature Communications, 2019, 10, 1417.	5.8	171
942	The in vivo timeline of differentiation of engrafted human neural progenitor cells. Stem Cell Research, 2019, 37, 101429.	0.3	17
943	Interhemispheric functional connectivity in the zebra finch brain, absent the corpus callosum in normal ontogeny. Neurolmage, 2019, 195, 113-127.	2.1	7
944	Concurrent Cross-Sectional and Longitudinal Analyses of Multivariate White Matter Profiles and Clinical Functioning in Pre-Diagnosis Huntington Disease. Journal of Huntington's Disease, 2019, 8, 199-219.	0.9	1
945	Quantitative vibratory sensation measurement is related to sensory cortical thickness in <scp>MS</scp> . Annals of Clinical and Translational Neurology, 2019, 6, 586-595.	1.7	5
946	Receptor-Enriched Analysis of functional connectivity by targets (REACT): AÂnovel, multimodal analytical approach informed by PET to study the pharmacodynamic response of the brain under MDMA. Neurolmage, 2019, 195, 252-260.	2.1	40
947	Spatial Signature of White Matter Hyperintensities in Stroke Patients. Frontiers in Neurology, 2019, 10, 208.	1.1	33
948	Semi-supervised deep learning of brain tissue segmentation. Neural Networks, 2019, 116, 25-34.	3.3	48

#	Article	IF	CITATIONS
949	Mouse BOLD fMRI at ultrahigh field detects somatosensory networks including thalamic nuclei. NeuroImage, 2019, 195, 203-214.	2.1	48
950	Cerebellar white matter in young adults with a familial risk for psychosis. Psychiatry Research - Neuroimaging, 2019, 287, 41-48.	0.9	0
951	Characterisation of nasal devices for delivery of insulin to the brain and evaluation in humans using functional magnetic resonance imaging. Journal of Controlled Release, 2019, 302, 140-147.	4.8	34
952	Radiomic features and multilayer perceptron network classifier: a robust MRI classification strategy for distinguishing glioblastoma from primary central nervous system lymphoma. Scientific Reports, 2019, 9, 5746.	1.6	7 3
953	Functional Connectivity of Corticostriatal Circuitry and Psychosis-like Experiences in the General Community. Biological Psychiatry, 2019, 86, 16-24.	0.7	44
954	Structural brain correlates of fatigue in older adults with and without Parkinson's disease. Neurolmage: Clinical, 2019, 22, 101730.	1.4	32
955	Altered frontostriatal white matter microstructure is associated with familial alcoholism and future binge drinking in adolescence. Neuropsychopharmacology, 2019, 44, 1076-1083.	2.8	22
956	Oxytocin pathway gene networks in the human brain. Nature Communications, 2019, 10, 668.	5.8	200
957	Performance of semi-automated hippocampal subfield segmentation methods across ages in a pediatric sample. Neurolmage, 2019, 191, 49-67.	2.1	10
958	Exploring the limits of network topology estimation using diffusion-based tractography and tracer studies in the macaque cortex. Neurolmage, 2019, 191, 81-92.	2.1	28
959	Fast and Robust Symmetric Image Registration Based on Distances Combining Intensity and Spatial Information. IEEE Transactions on Image Processing, 2019, 28, 3584-3597.	6.0	35
960	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
961	Ultra-high field MRI reveals mood-related circuit disturbances in depression: a comparison between 3-Tesla and 7-Tesla. Translational Psychiatry, 2019, 9, 94.	2.4	37
962	Diattenuation Imaging reveals different brain tissue properties. Scientific Reports, 2019, 9, 1939.	1.6	26
963	Learning a Probabilistic Model for Diffeomorphic Registration. IEEE Transactions on Medical Imaging, 2019, 38, 2165-2176.	5.4	129
964	Recreational use of GHB is associated with alterations of resting state functional connectivity of the central executive and default mode networks. Human Brain Mapping, 2019, 40, 2413-2421.	1.9	13
965	MR Imaging Properties of <i>ex vivo</i> Common Marmoset Brain after Formaldehyde Fixation. Magnetic Resonance in Medical Sciences, 2019, 18, 253-259.	1.1	7
966	Dissociable Contributions of Precuneus and Cerebellum to Subjective and Objective Neuropathy in HIV. Journal of NeuroImmune Pharmacology, 2019, 14, 436-447.	2.1	7

#	Article	IF	CITATIONS
967	Using Technology to Help Humans Perform Difficult Inspections. , 2019, , .		0
968	High-quality face image super-resolution based on Generative Adversarial Networks. , 2019, , .		2
969	Fast Serial Approach of Object Distance Measurement based on Deep Learning and Stereo Camera. , 2019, , .		0
970	Improving the Accuracy and Quality of Wireless Coverage Measurements using Autonomous Drones and Wheeled Robots., 2019,,.		0
972	Smart Heat Stress and Toxic Gases Monitoring Instrument with a Developed Graphical User Interface Using IoT. , $2019, , .$		4
973	Medical Image Registration Using Coral Reef Optimization for Substrate Layer. , 2019, , .		0
974	Major earthquake event prediction using various machine learning algorithms. , 2019, , .		21
975	On the Electromagnetique Torque Expresion of an Induction Machine Asymmetrical Supplied. , 2019, , .		0
976	An Extended Sequence Labeling Approach For Relation Extraction. , 2019, , .		1
977	Prognostics and health management techniques for integrated avionics systems. , 2019, , .		3
978	A Practical Method for BEP Estimation of Convolutional Coding in Impulse Noise Environments. , 2019, , .		1
980	Spatial Distribution of Rural Residential Building Types in Shandong Province Based on Spatial Interpolation. , 2019, , .		0
981	Attracting Black High School Boys to Computer Science Through Tech Innovation and Entrepreneurship. , 2019, , .		1
982	Analysis of Fiber Based Emitting Head for Optical Wireless Communication. , 2019, , .		1
983	Impacts of Plug-in Electric Vehicles on a Distribution Level Microgrid. , 2019, , .		11
984	Brain Extraction Network Trained with "Silver Standard" Data and Fine-Tuned with Manual Annotation for Improved Segmentation. , 2019, , .		0
985	Bio-Medical Image Enhancement Using Adaptive Multi-Resolution Technique. , 2019, , .		0
986	Message from the Chairs IEEE International Workshop on Artificial Intelligence for Mobile. , 2019, , .		0

#	Article	IF	CITATIONS
987	Comnetsat 2019 Index. , 2019, , .		0
988	Sun Shadow Localization Problem Based on Genetic Algorithm. , 2019, , .		0
989	Third-order virtual measurements with signal injection. , 2019, , .		2
991	Using Low-Dimensional Manifolds to Map Relationships Between Dynamic Brain Networks. Frontiers in Human Neuroscience, 2019, 13, 430.	1.0	12
992	Identifying Vulnerable Brain Networks in Mouse Models of Genetic Risk Factors for Late Onset Alzheimer's Disease. Frontiers in Neuroinformatics, 2019, 13, 72.	1.3	24
993	A Pilot Study Investigating Changes in Capillary Hemodynamics and Its Modulation by Exercise in the APP-PS1 Alzheimer Mouse Model. Frontiers in Neuroscience, 2019, 13, 1261.	1.4	11
994	Performance Gap Between Valid and Invalid Patents in Six Technology Fields., 2019,,.		0
995	Dilated convolutional recurrent neural network for monaural speech enhancement. , 2019, , .		1
996	Analysis on Internal Flow Characteristics of Tubular Turbine Draft Tube. , 2019, , .		0
997	Second-Order Non-Local Attention Networks for Person Re-Identification. , 2019, , .		56
998	Face Anti-spoofing using Hybrid Residual Learning Framework. , 2019, , .		6
999	Performance of Maximum Distance on-demand Routing Protocol based on Random Variable Velocity. , 2019, , .		1
1000	Optimal Power Distribution Algorithm for Energy Efficient IoT-NOMA Enabled Networks. , 2019, , .		6
1001	Numerical Simulation of Bonding Spot Welding of Steel and Aluminum Door Cover Parts Considering the Thickness of Hemming Adhesive. , 2019, , .		0
1002	Fog Computing Challenges and Future Directions: A Mirror Review. , 2019, , .		2
1003	Effect of Signal Characteristics on Focusing Property of Time Reversal Electromagnetic Wave. , 2019, ,		3
1004	Continuous Relaxation of Symbolic Planner for One-Shot Imitation Learning. , 2019, , .		15
1005	Memory-Based Multiagent One-Shot Learning: Extended Abstract. , 2019, , .		O

#	Article	IF	CITATIONS
1006	Project Teaching in Computer Subjects., 2019,,.		О
1007	Crossing iVRoad: A VR application for detecting unilateral visuospatial neglect in poststroke patients. , 2019, , .		2
1008	Minimal Linear Networks for Magnetic Resonance Image Reconstruction. Scientific Reports, 2019, 9, 19527.	1.6	8
1009	Horizontally Polarized Array on a Mast-Like Form for Azimuthal Beam Switching. , 2019, , .		О
1010	Direct Kinematics and Jacobian Analysis of Exoskeleton Robots using Screw Theory and Simscape Multibody \hat{a} , \hat{c} ., 2019, , .		8
1011	Smart Parking Area Management System for the Disabled using IoT and Mobile Application. , 2019, , .		9
1012	A Terahertz Tunable Dual-Band Modulator Based on Graphene Metamaterials. , 2019, , .		0
1013	Centralized Caching with Shared Caches in Heterogeneous Cellular Networks. , 2019, , .		7
1014	Neural Representation of Parental Monitoring and Links to Adolescent Risk Taking. Frontiers in Neuroscience, 2019, 13, 1286.	1.4	4
1015	Functional Localization of the Frontal Eye Fields in the Common Marmoset Using Microstimulation. Journal of Neuroscience, 2019, 39, 9197-9206.	1.7	41
1016	Advanced CUBIC tissue clearing for whole-organ cell profiling. Nature Protocols, 2019, 14, 3506-3537.	5.5	127
1017	Mapping the impact of exposure to maternal immune activation on juvenile Wistar rat brain macroand microstructure during early post-natal development. Brain and Neuroscience Advances, 2019, 3, 239821281988308.	1.8	3
1018	Lagged Coupled Changes Between White Matter Microstructure and Processing Speed in Healthy Aging: A Longitudinal Investigation. Frontiers in Aging Neuroscience, 2019, 11, 298.	1.7	14
1019	Nucleus accumbens connectivity at rest is associated with alcohol consumption in young male adults. European Neuropsychopharmacology, 2019, 29, 1476-1485.	0.3	8
1020	Multimodal image registration and connectivity analysis for integration of connectomic data from microscopy to MRI. Nature Communications, 2019, 10, 5504.	5.8	66
1021	Higher body mass index is linked to altered hypothalamic microstructure. Scientific Reports, 2019, 9, 17373.	1.6	44
1022	Imaging the Injured Lung. Anesthesiology, 2019, 131, 716-749.	1.3	29
1023	Dynamic functional connectivity of the migraine brain: a resting-state functional magnetic resonance imaging study. Pain, 2019, 160, 2776-2786.	2.0	26

#	Article	IF	CITATIONS
1024	Automated Volumetric Assessment of Hepatocellular Carcinoma Response to Sorafenib: A Pilot Study. Journal of Computer Assisted Tomography, 2019, 43, 499-506.	0.5	2
1025	Deformable Registration of Whole Brain Zebrafish Microscopy Using an Implementation of the Flash Algorithm Within Ants. , 2019, , .		1
1026	Comparison of quality control methods for automated diffusion tensor imaging analysis pipelines. PLoS ONE, 2019, 14, e0226715.	1.1	22
1027	Canine sense of quantity: evidence for numerical ratio-dependent activation in parietotemporal cortex. Biology Letters, 2019, 15, 20190666.	1.0	22
1028	The Relationship Between Cumulative Exogenous Corticosteroid Exposure and Volumes of Hippocampal Subfields and Surrounding Structures. Journal of Clinical Psychopharmacology, 2019, 39, 653-657.	0.7	9
1029	Radiotracer Administration for High Temporal Resolution Positron Emission Tomography of the Human Brain: Application to FDG-fPET. Journal of Visualized Experiments, 2019, , .	0.2	9
1030	Blue light activates pulvinar nuclei in longstanding idiopathic photophobia: A case report. Neurolmage: Clinical, 2019, 24, 102096.	1.4	7
1031	Brainstem enlargement in preschool children with autism: Results from an intermethod agreement study of segmentation algorithms. Human Brain Mapping, 2019, 40, 7-19.	1.9	19
1032	Retrospective harmonization of multi-site diffusion MRI data acquired with different acquisition parameters. Neurolmage, 2019, 184, 180-200.	2.1	115
1033	Remapping the cognitive and neural profiles of children who struggle at school. Developmental Science, 2019, 22, e12747.	1.3	64
1034	Genetic identification of a population of noradrenergic neurons implicated in attenuation of stress-related responses. Molecular Psychiatry, 2019, 24, 710-725.	4.1	24
1035	Convolutional Neural Networks with Template-Based Data Augmentation for Functional Lung Image Quantification. Academic Radiology, 2019, 26, 412-423.	1.3	51
1036	Hippocampal vascularization patterns: A high-resolution 7 Tesla time-of-flight magnetic resonance angiography study. NeuroImage: Clinical, 2019, 21, 101609.	1.4	47
1037	Convergent microstructural brain changes across genetic models of autism spectrum disorder—A pilot study. Psychiatry Research - Neuroimaging, 2019, 283, 83-91.	0.9	7
1038	ARENA: Inter-modality affine registration using evolutionary strategy. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 441-450.	1.7	14
1039	Kctd13-deficient mice display short-term memory impairment and sex-dependent genetic interactions. Human Molecular Genetics, 2019, 28, 1474-1486.	1.4	32
1040	Contributions of a high-fat diet to Alzheimer's disease-related decline: A longitudinal behavioural and structural neuroimaging study in mouse models. NeuroImage: Clinical, 2019, 21, 101606.	1.4	59
1041	QuickNAT: A fully convolutional network for quick and accurate segmentation of neuroanatomy. NeuroImage, 2019, 186, 713-727.	2.1	167

#	Article	IF	CITATIONS
1042	Magnetic resonance $\langle scp \rangle T \langle scp \rangle w / \langle scp \rangle T \langle scp \rangle w$ ratio: A parsimonious marker for $\langle scp \rangle P \langle scp \rangle w$ ratios of Neurology, 2019, 85, 96-104.	2.8	33
1043	Intrinsic functional clustering of anterior cingulate cortex in the common marmoset. Neurolmage, 2019, 186, 301-307.	2.1	25
1044	Assessment of the influence of lung inflation state on the quantitative parameters derived from hyperpolarized gas lung ventilation MRI in healthy volunteers. Journal of Applied Physiology, 2019, 126, 183-192.	1.2	30
1045	Hotspots of small strokes in glioma surgery: an overlooked risk?. Acta Neurochirurgica, 2019, 161, 91-98.	0.9	14
1046	Automatic localization of the subthalamic nucleus on patientâ€specific clinical MRI by incorporating 7 T MRI and machine learning: Application in deep brain stimulation. Human Brain Mapping, 2019, 40, 679-698.	1.9	36
1047	Arterial stiffness and white matter integrity in the elderly: A diffusion tensor and magnetization transfer imaging study. NeuroImage, 2019, 186, 577-585.	2.1	19
1048	Lower self-report fatigue in multiple sclerosis is associated with localized white matter tract disruption between amygdala, temporal pole, insula, and other connected structures. Multiple Sclerosis and Related Disorders, 2019, 27, 298-304.	0.9	16
1049	Addressing challenges of high spatial resolution UHF fMRI for group analysis of higherâ€order cognitive tasks: An interâ€sensory task directing attention between visual and somatosensory domains. Human Brain Mapping, 2019, 40, 1298-1316.	1.9	8
1050	MRI-based evaluation of structural degeneration in the ageing brain: Pathophysiology and assessment. Ageing Research Reviews, 2019, 49, 67-82.	5.0	41
1051	Brain dynamics and temporal trajectories during task and naturalistic processing. NeuroImage, 2019, 186, 410-423.	2.1	15
1052	Accelerated, firstâ€pass cardiac perfusion pulse sequence with radial kâ€space sampling, compressed sensing, and kâ€space weighted image contrast reconstruction tailored for visual analysis and quantification of myocardial blood flow. Magnetic Resonance in Medicine, 2019, 81, 2632-2643.	1.9	16
1053	Quantitative neuroimaging measures of myelin in the healthy brain and in multiple sclerosis. Human Brain Mapping, 2019, 40, 2104-2116.	1.9	53
1054	A randomized, double-blind, placebo-controlled trial of lamotrigine for prescription corticosteroid effects on the human hippocampus. European Neuropsychopharmacology, 2019, 29, 376-383.	0.3	5
1055	Sleep duration differentially affects brain activation in response to food images in adolescents with overweight/obesity compared to adolescents with normal weight. Sleep, 2019, 42, .	0.6	15
1056	Unbiased age-specific structural brain atlases for Chinese pediatric population. NeuroImage, 2019, 189, 55-70.	2.1	50
1057	Simultaneous task-based BOLD-fMRI and [18-F] FDG functional PET for measurement of neuronal metabolism in the human visual cortex. NeuroImage, 2019, 189, 258-266.	2.1	59
1058	Linguistic networks associated with lexical, semantic and syntactic predictability in reading: A fixation-related fMRI study. NeuroImage, 2019, 189, 224-240.	2.1	20
1059	White Matter Tract Changes Associated with Clinical Improvement in an Open-Label Trial Assessing Autologous Umbilical Cord Blood for Treatment of Young Children with Autism. Stem Cells Translational Medicine, 2019, 8, 138-147.	1.6	33

#	ARTICLE	IF	CITATIONS
1060	Dissociating motor–speech from lexico-semantic systems in the left frontal lobe: insight from a series of 17 awake intraoperative mappings in glioma patients. Brain Structure and Function, 2019, 224, 1151-1165.	1.2	38
1061	Anatomical predictors of successful prism adaptation in chronic visual neglect. Cortex, 2019, 120, 629-641.	1.1	36
1062	Individual variation in longitudinal postnatal development of the primate brain. Brain Structure and Function, 2019, 224, 1185-1201.	1.2	8
1063	A parameter-efficient deep learning approach to predict conversion from mild cognitive impairment to Alzheimer's disease. Neurolmage, 2019, 189, 276-287.	2.1	260
1064	ABCA7 risk variant in healthy older African Americans is associated with a functionally isolated entorhinal cortex mediating deficient generalization of prior discrimination training. Hippocampus, 2019, 29, 527-538.	0.9	21
1065	InÂvivo visualization of age-related differences in the locus coeruleus. Neurobiology of Aging, 2019, 74, 101-111.	1.5	117
1066	Interhemispheric connectivity during lateralized lexical decision. Human Brain Mapping, 2019, 40, 818-832.	1.9	13
1067	Correction of magnetic field inhomogeneity effects for fast quantitative susceptibility mapping. Magnetic Resonance in Medicine, 2019, 81, 1645-1658.	1.9	4
1068	A framework for Fourierâ€decomposition freeâ€breathing pulmonary 1 H MRI ventilation measurements. Magnetic Resonance in Medicine, 2019, 81, 2135-2146.	1.9	12
1069	Perfusion of the placenta assessed using arterial spin labeling and ferumoxytol dynamic contrast enhanced magnetic resonance imaging in the rhesus macaque. Magnetic Resonance in Medicine, 2019, 81, 1964-1978.	1.9	23
1070	Axons morphometry in the human spinal cord. NeuroImage, 2019, 185, 119-128.	2.1	19
1071	Whole mouse brain connectomics. Journal of Comparative Neurology, 2019, 527, 2146-2157.	0.9	22
1072	fMRIPrep: a robust preprocessing pipeline for functional MRI. Nature Methods, 2019, 16, 111-116.	9.0	1,830
1073	Aiding the diagnosis of dissociative identity disorder: pattern recognition study of brain biomarkers. British Journal of Psychiatry, 2019, 215, 536-544.	1.7	35
1074	FMRI correlates of olfactory processing in typically-developing school-aged children. Psychiatry Research - Neuroimaging, 2019, 283, 67-76.	0.9	7
1075	Intrinsic Functional Boundaries of Lateral Frontal Cortex in the Common Marmoset Monkey. Journal of Neuroscience, 2019, 39, 1020-1029.	1.7	26
1076	A Comparison of Partial Volume Correction Techniques for Measuring Change in Serial Amyloid PET SUVR. Journal of Alzheimer's Disease, 2019, 67, 181-195.	1.2	48
1077	Track density imaging in progressive supranuclear palsy: A pilot study. Human Brain Mapping, 2019, 40, 1729-1737.	1.9	8

#	ARTICLE	IF	CITATIONS
1078	The age-dependent relationship between resting heart rate variability and functional brain connectivity. NeuroImage, 2019, 185, 521-533.	2.1	45
1079	Neural correlates of developing theory of mind competence in early childhood. NeuroImage, 2019, 184, 707-716.	2.1	32
1080	Evaluation of confound regression strategies for the mitigation of micromovement artifact in studies of dynamic resting-state functional connectivity and multilayer network modularity. Network Neuroscience, 2019, 3, 427-454.	1.4	54
1081	Feasibility of multi-parametric PET and MRI for prediction of tumour recurrence in patients with glioblastoma. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 603-613.	3.3	44
1082	Sex-specific alterations in preterm brain. Pediatric Research, 2019, 85, 55-62.	1.1	27
1083	Sex differences in estimated brain metabolism in relation to body growth through adolescence. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 524-535.	2.4	25
1084	Speech Map: a statistical multimodal atlas of 4D tongue motion during speech from tagged and cine MR images. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 361-373.	1.3	16
1085	Cytoarchitectonicallyâ€driven MRI atlas of nonhuman primate hippocampus: Preservation of subfield volumes in aging. Hippocampus, 2019, 29, 409-421.	0.9	4
1086	Molecular connectivity disruptions in males with major depressive disorder. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1623-1634.	2.4	7
1087	Global White Matter Diffusion Characteristics Predict Longitudinal Cognitive Change Independently of Amyloid Status in Clinically Normal Older Adults. Cerebral Cortex, 2019, 29, 1251-1262.	1.6	47
1088	Encoding of Auditory Temporal Gestalt in the Human Brain. Cerebral Cortex, 2019, 29, 475-484.	1.6	9
1089	Gestational Age is Dimensionally Associated with Structural Brain Network Abnormalities Across Development. Cerebral Cortex, 2019, 29, 2102-2114.	1.6	25
1090	The effect of midlife cardiovascular risk factors on white matter hyperintensity volume and cognition two decades later in normal ageing women. Brain Imaging and Behavior, 2020, 14, 51-61.	1.1	28
1091	A Comprehensive Framework to Capture the Arcana of Neuroimaging Analysis. Neuroinformatics, 2020, 18, 109-129.	1.5	3
1092	Salience network connectivity is reduced by a meal and influenced by genetic background and hypothalamic gliosis. International Journal of Obesity, 2020, 44, 167-177.	1.6	9
1093	Accelerated aging and motor control deficits are related to regional deformation of central cerebellar white matter in alcohol use disorder. Addiction Biology, 2020, 25, e12746.	1.4	20
1094	Associations between Neighborhood SES and Functional Brain Network Development. Cerebral Cortex, 2020, 30, 1-19.	1.6	74
1095	Detecting microstructural white matter abnormalities of frontal pathways in children with ADHD using advanced diffusion models. Brain Imaging and Behavior, 2020, 14, 981-997.	1.1	29

#	Article	IF	CITATIONS
1096	The temporoinsular projection system: an anatomical study. Journal of Neurosurgery, 2020, 132, 615-623.	0.9	12
1097	Functional neuroplasticity in response to cerebello-thalamic injury underpins the clinical presentation of tremor in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 696-705.	1.4	10
1098	Arterial stiffness cut-off value and white matter integrity in the elderly. NeuroImage: Clinical, 2020, 26, 102007.	1.4	11
1099	Maternal immune activation during pregnancy impacts on brain structure and function in the adult offspring. Brain, Behavior, and Immunity, 2020, 83, 56-67.	2.0	32
1100	MRI monitoring of temperature and displacement for transcranial focus ultrasound applications. Neurolmage, 2020, 204, 116236.	2.1	46
1101	Evaluating fMRI-Based Estimation of Eye Gaze During Naturalistic Viewing. Cerebral Cortex, 2020, 30, 1171-1184.	1.6	24
1102	Diffeomorphic density registration. , 2020, , 577-603.		1
1103	Extracting more for less: multiâ€echo MP2RAGE for simultaneous T ₁ â€weighted imaging, T ₁ mapping, mapping, SWI, and QSM from a single acquisition. Magnetic Resonance in Medicine, 2020, 83, 1178-1191.	1.9	23
1104	Exercise Degrades Bone in Caloric Restriction, Despite Suppression of Marrow Adipose Tissue (MAT). Journal of Bone and Mineral Research, 2020, 35, 106-115.	3.1	23
1105	Hippocampal Pathology in Clinical High-Risk Patients and the Onset of Schizophrenia. Biological Psychiatry, 2020, 87, 234-242.	0.7	61
1106	Early cortical surface plasticity relates to basic mathematical learning. NeuroImage, 2020, 204, 116235.	2.1	12
1107	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. NeuroImage, 2020, 205, 116278.	2.1	151
1108	Quantitative In vivo MRI Assessment of Structural Asymmetries and Sexual Dimorphism of Transient Fetal Compartments in the Human Brain. Cerebral Cortex, 2020, 30, 1752-1767.	1.6	40
1109	Quantitative brain relaxation atlases for personalized detection and characterization of brain pathology. Magnetic Resonance in Medicine, 2020, 83, 337-351.	1.9	19
1110	Evaluation of MRI to Ultrasound Registration Methods for Brain Shift Correction: The CuRIOUS2018 Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 777-786.	5.4	42
1111	White matter abnormalities across the lifespan of schizophrenia: a harmonized multi-site diffusion MRI study. Molecular Psychiatry, 2020, 25, 3208-3219.	4.1	115
1112	Disturbed Cerebellar Growth Trajectories in Adolescents Who Initiate Alcohol Drinking. Biological Psychiatry, 2020, 87, 632-644.	0.7	32
1113	Altered Neural Processing of Threat-Related Information in Children and Adolescents Exposed to Violence: A Transdiagnostic Mechanism Contributing to the Emergence of Psychopathology. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 1274-1284.	0.3	43

#	Article	IF	CITATIONS
1114	A Large Deformation Diffeomorphic Framework for Fast Brain Image Registration via Parallel Computing and Optimization. Neuroinformatics, 2020, 18, 251-266.	1.5	13
1115	Sample sizes and population differences in brain template construction. NeuroImage, 2020, 206, 116318.	2.1	44
1116	Hemodynamic Responses of the Placenta and Brain to Maternal Hyperoxia in Fetuses with Congenital Heart Disease by Using Blood Oxygen–Level Dependent MRI. Radiology, 2020, 294, 141-148.	3.6	37
1117	Cranial growth in isolated sagittal craniosynostosis compared with normal growth in the first 6 months of age. Journal of Anatomy, 2020, 236, 105-116.	0.9	13
1118	Repurposing radiotracers for myelin imaging: a study comparing 18F-florbetaben, 18F-florbetapir, 18F-flutemetamol,11C-MeDAS, and 11C-PiB. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 490-501.	3.3	34
1119	Modulation of hippocampal neuronal resilience during aging by the Hsp70/Hsp90 coâ€chaperone STI1. Journal of Neurochemistry, 2020, 153, 727-758.	2.1	16
1120	Composite MRA: statistical approach to generate an MR angiogram from multiple contrasts. Magnetic Resonance in Medicine, 2020, 83, 830-843.	1.9	2
1121	Effect of intravenously injected gadoliniumâ€based contrast agents on functional lung parameters derived by PREFUL MRI. Magnetic Resonance in Medicine, 2020, 83, 1045-1054.	1.9	4
1122	Spatial Patterning of Tissue Volume Loss in Schizophrenia Reflects Brain Network Architecture. Biological Psychiatry, 2020, 87, 727-735.	0.7	87
1123	BRAHMA: Population specific T1, T2, and FLAIR weighted brain templates and their impact in structural and functional imaging studies. Magnetic Resonance Imaging, 2020, 70, 5-21.	1.0	16
1124	Ventromedial prefrontal cortex compression during concept learning. Nature Communications, 2020, 11, 46.	5.8	73
1125	Validation of Automated Perfusionâ€Weighted Phaseâ€Resolved Functional Lung (PREFUL)â€MRI in Patients With Pulmonary Diseases. Journal of Magnetic Resonance Imaging, 2020, 52, 103-114.	1.9	39
1126	Improved quantification of amyloid burden and associated biomarker cut-off points: results from the first amyloid Singaporean cohort with overlapping cerebrovascular disease. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 319-331.	3.3	16
1127	Precise neonatal arterial ischemic stroke classification with a three-dimensional map of the arterial territories of the neonatal brain. Pediatric Research, 2020, 87, 1231-1236.	1.1	4
1128	Spatial distribution of interictal spikes fluctuates over time and localizes seizure onset. Brain, 2020, 143, 554-569.	3.7	60
1129	Trigeminal neuralgia associated with a solitary pontine lesion: clinical and neuroimaging definition of a new syndrome. Pain, 2020, 161, 916-925.	2.0	23
1130	Multi-band SWIFT enables quiet and artefact-free EEG-fMRI and awake fMRI studies in rat. NeuroImage, 2020, 206, 116338.	2.1	23
1131	Altered neurotransmission and neuroimaging biomarkers of chronic arsenic poisoning in wild muskrats (Ondatra zibethicus) and red squirrels (Tamiasciurus hudsonicus) breeding near the City of Yellowknife, Northwest Territories (Canada). Science of the Total Environment, 2020, 707, 135556.	3.9	6

#	Article	IF	CITATIONS
1132	Pattern Separation and Source Memory Engage Distinct Hippocampal and Neocortical Regions during Retrieval. Journal of Neuroscience, 2020, 40, 843-851.	1.7	37
1133	Arterial spin labeling versus 18F-FDG-PET to identify mild cognitive impairment. Neurolmage: Clinical, 2020, 25, 102146.	1.4	59
1134	Hemispheric asymmetries in restingâ€state EEG and fMRI are related to approach and avoidance behaviour, but not to eating behaviour or BMI. Human Brain Mapping, 2020, 41, 1136-1152.	1.9	14
1135	Cerebrovascular MRI in the mouse without an exogenous contrast agent. Magnetic Resonance in Medicine, 2020, 84, 405-415.	1.9	5
1136	Magnetic Resonance Imaging and Micro-Computed Tomography reveal brain morphological abnormalities in a mouse model of early moderate prenatal ethanol exposure. Neurotoxicology and Teratology, 2020, 77, 106849.	1.2	3
1137	Diffusion- and perfusion-weighted MRI radiomics model may predict isocitrate dehydrogenase (IDH) mutation and tumor aggressiveness in diffuse lower grade glioma. European Radiology, 2020, 30, 2142-2151.	2.3	93
1138	Cerebral blood flow in 5†to 8â€monthâ€olds: Regional tissue maturity is associated with infant affect. Developmental Science, 2020, 23, e12928.	1.3	11
1139	Pypreclin: An automatic pipeline for macaque functional MRI preprocessing. NeuroImage, 2020, 207, 116353.	2.1	20
1140	BOLD and EEG signal variability at rest differently relate to aging in the human brain. Neurolmage, 2020, 207, 116373.	2.1	50
1141	You do not have to act to be impulsive: Brain resting-state activity predicts performance and impulsivity on the Balloon Analogue Risk Task. Behavioural Brain Research, 2020, 379, 112395.	1.2	10
1142	Tractography of the external capsule and cognition: A diffusion MRI study of cholinergic fibers. Experimental Gerontology, 2020, 130, 110792.	1.2	14
1143	Regional brain volumetric changes despite 2 years of treatment initiated during acute HIV infection. Aids, 2020, 34, 415-426.	1.0	21
1144	Structural abnormalities in thalamo-prefrontal tracks revealed by high angular resolution diffusion imaging predict working memory scores in concussed children. Brain Structure and Function, 2020, 225, 441-459.	1.2	10
1145	Systemic inflammation is associated with differential neural reactivity and connectivity to affective images. Social Cognitive and Affective Neuroscience, 2020, 15, 1024-1033.	1.5	10
1146	Subspecialty-Level Deep Gray Matter Differential Diagnoses with Deep Learning and Bayesian Networks on Clinical Brain MRI: A Pilot Study. Radiology: Artificial Intelligence, 2020, 2, e190146.	3.0	20
1147	Parcellation of the Subthalamic Nucleus in Parkinson's Disease: A Retrospective Analysis of Atlas- and Diffusion-Based Methods. Stereotactic and Functional Neurosurgery, 2020, 98, 416-423.	0.8	6
1148	Effects of Ketamine Administration on Auditory Information Processing in the Neocortex of Nonhuman Primates. Frontiers in Psychiatry, 2020, 11, 826.	1.3	3
1149	3D Deep Neural Network Segmentation of Intracerebral Hemorrhage: Development and Validation for Clinical Trials. Neuroinformatics, 2021, 19, 403-415.	1.5	31

#	Article	IF	Citations
1150	The role of anterior and medial dorsal thalamus in associative memory encoding and retrieval. Neuropsychologia, 2020, 148, 107623.	0.7	13
1151	Structural connectome and connectivity lateralization of the multimodal vestibular cortical network. Neurolmage, 2020, 222, 117247.	2.1	31
1152	Degeneration Affects Three-Dimensional Strains in Human Menisci: In situ MRI Acquisition Combined With Image Registration. Frontiers in Bioengineering and Biotechnology, 2020, 8, 582055.	2.0	8
1153	Atrophy associated with tau pathology precedes overt cell death in a mouse model of progressive tauopathy. Science Advances, 2020, 6, .	4.7	14
1154	Hindbrain Double-Negative Feedback Mediates Palatability-Guided Food and Water Consumption. Cell, 2020, 182, 1589-1605.e22.	13.5	49
1155	An Optical Illusion Pinpoints an Essential Circuit Node for Global Motion Processing. Neuron, 2020, 108, 722-734.e5.	3.8	24
1156	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. Molecular Psychiatry, 2021, 26, 3512-3523.	4.1	78
1157	Unsupervised stratification in neuroimaging through deep latent embeddings. , 2020, 2020, 1568-1571.		7
1158	Reduced fronto-striatal volume in attention-deficit/hyperactivity disorder in two cohorts across the lifespan. Neurolmage: Clinical, 2020, 28, 102403.	1.4	12
1159	Al-driven attenuation correction for brain PET/MRI: Clinical evaluation of a dementia cohort and importance of the training group size. Neurolmage, 2020, 222, 117221.	2.1	47
1160	The Î ³ -Protocadherins Regulate the Survival of GABAergic Interneurons during Developmental Cell Death. Journal of Neuroscience, 2020, 40, 8652-8668.	1.7	26
1161	Inversion Recovery Susceptibility Weighted Imaging With Enhanced T2 Weighting at 3 T Improves Visualization of Subpial Cortical Multiple Sclerosis Lesions. Investigative Radiology, 2020, 55, 727-735.	3.5	22
1162	Multiscale imaging of basal cell dynamics in the functionally mature mammary gland. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26822-26832.	3.3	41
1163	Multimodal inÂvivo and postmortem assessments of tau in Lewy body disorders. Neurobiology of Aging, 2020, 96, 137-147.	1.5	14
1164	Use of multi-flip angle measurements to account for transmit inhomogeneity and non-Gaussian diffusion in DW-SSFP. NeuroImage, 2020, 220, 117113.	2.1	7
1165	Depression Is Associated With Preserved Cortical Thickness Relative to Apathy in Frontotemporal Dementia. Journal of Geriatric Psychiatry and Neurology, 2022, 35, 78-88.	1.2	9
1166	Cerebral artery segmentation based on magnetization-prepared two rapid acquisition gradient echo multi-contrast images in 7 Tesla magnetic resonance imaging. Neurolmage, 2020, 222, 117259.	2.1	5
1167	Associations between Vascular Function and Tau PET Are Associated with Global Cognition and Amyloid. Journal of Neuroscience, 2020, 40, 8573-8586.	1.7	60

#	Article	IF	CITATIONS
1168	Reduced fractional anisotropy of the genu of the corpus callosum as a cerebrovascular disease marker and predictor of longitudinal cognition in MCI. Neurobiology of Aging, 2020, 96, 176-183.	1.5	27
1169	Deep learning of brain magnetic resonance images: A brief review. Methods, 2021, 192, 131-140.	1.9	28
1170	Reproducibility of Glutamate, Glutathione, and GABA Measurements in vivo by Single-Voxel STEAM Magnetic Resonance Spectroscopy at 7-Tesla in Healthy Individuals. Frontiers in Neuroscience, 2020, 14, 566643.	1.4	14
1171	Variability and heritability of mouse brain structure: Microscopic MRI atlases and connectomes for diverse strains. NeuroImage, 2020, 222, 117274.	2.1	33
1172	Decoding Odor Mixtures in the Dog Brain: An Awake fMRI Study. Chemical Senses, 2020, 45, 833-844.	1.1	7
1173	Structural and biochemical imaging reveals systemic LPS-induced changes in the rat brain. Journal of Neuroimmunology, 2020, 348, 577367.	1.1	5
1174	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. NeuroImage, 2020, 221, 117128.	2.1	54
1175	Longitudinal white-matter abnormalities in sports-related concussion. Neurology, 2020, 95, e781-e792.	1.5	47
1176	A three-dimensional, population-based average of the C57BL/6 mouse brain from DAPI-stained coronal slices. Scientific Data, 2020, 7, 235.	2.4	5
1177	Fully Automated Habenula Segmentation Provides Robust and Reliable Volume Estimation Across Large Magnetic Resonance Imaging Datasets, Suggesting Intriguing Developmental Trajectories in Psychiatric Disease. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 923-929.	1.1	15
1178	Direct visualization and characterization of the human zona incerta and surrounding structures. Human Brain Mapping, 2020, 41, 4500-4517.	1.9	21
1179	A fully automated artificial intelligence method for non-invasive, imaging-based identification of genetic alterations in glioblastomas. Scientific Reports, 2020, 10, 11852.	1.6	41
1180	Measuring robustness of brain networks in autism spectrum disorder with Ricci curvature. Scientific Reports, 2020, 10, 10819.	1.6	10
1181	The innate immune toll-like-receptor-2 modulates the depressogenic and anorexiolytic neuroinflammatory response in obstructive sleep apnoea. Scientific Reports, 2020, 10, 11475.	1.6	7
1182	Regional White Matter Atrophy Correlates with Spike Activity in Encephalopathy Related to Status Epilepticus During Slow Sleep (ESES) After Early Thalamic Lesions. Brain Topography, 2020, 33, 571-585.	0.8	3
1183	In vivo Population Averaged Stereotaxic T2w MRI Brain Template for the Adult Yucatan Micropig. Frontiers in Neuroanatomy, 2020, 14, 599701.	0.9	7
1184	Multi-Echo Quantitative Susceptibility Mapping for Strategically Acquired Gradient Echo (STAGE) Imaging. Frontiers in Neuroscience, 2020, 14, 581474.	1.4	13
1185	The Topology of Pediatric Structural Asymmetries in Language-Related Cortex. Symmetry, 2020, 12, 1809.	1.1	6

#	Article	IF	CITATIONS
1186	Interaction of Age and Self-reported Physical Sports Activity on White Matter Hyperintensity Volume in Healthy Older Adults. Frontiers in Aging Neuroscience, 2020, 12, 576025.	1.7	15
1187	Consistent Cerebral Blood Flow Covariance Networks across Healthy Individuals and Their Similarity with Resting State Networks and Vascular Territories. Diagnostics, 2020, 10, 963.	1.3	4
1188	Patient-centered connectivity-based prediction of tau pathology spread in Alzheimer's disease. Science Advances, 2020, 6, .	4.7	86
1189	Sound generation in zebrafish with Bio-Opto-Acoustics. Nature Communications, 2020, 11, 6120.	5.8	17
1190	Testing a convolutional neural networkâ€based hippocampal segmentation method in a stroke population. Human Brain Mapping, 2022, 43, 234-243.	1.9	13
1191	Progressive multifocal leukoencephalopathy lesion and brain parenchymal segmentation from MRI using serial deep convolutional neural networks. NeuroImage: Clinical, 2020, 28, 102499.	1.4	4
1192	Key role for lipids in cognitive symptoms of schizophrenia. Translational Psychiatry, 2020, 10, 399.	2.4	5
1193	Chronic embedded cortico-thalamic closed-loop deep brain stimulation for the treatment of essential tremor. Science Translational Medicine, 2020, 12, .	5.8	86
1194	The connections of the insular VEN area in great apes: A histologically-guided ex vivo diffusion tractography study. Progress in Neurobiology, 2020, 195, 101941.	2.8	7
1195	A Novel Method for High-Dimensional Anatomical Mapping of Extra-Axial Cerebrospinal Fluid: Application to the Infant Brain. Frontiers in Neuroscience, 2020, 14, 561556.	1.4	2
1196	Alzheimer's Disease Detection Through Whole-Brain 3D-CNN MRI. Frontiers in Bioengineering and Biotechnology, 2020, 8, 534592.	2.0	61
1197	Latent Clinical-Anatomical Dimensions of Schizophrenia. Schizophrenia Bulletin, 2020, 46, 1426-1438.	2.3	24
1198	The Importance of Anti-correlations in Graph Theory Based Classification of Autism Spectrum Disorder. Frontiers in Neuroscience, 2020, 14, 676.	1.4	29
1199	Accounting for Changing Structure in Functional Network Analysis of TBI Patients. Frontiers in Systems Neuroscience, 2020, 14, 42.	1.2	1
1200	The Impact of 6 and 12 Months in Space on Human Brain Structure and Intracranial Fluid Shifts. Cerebral Cortex Communications, 2020, 1, tgaa023.	0.7	37
1201	A Cross-Sectional Study on the Impact of Arterial Stiffness on the Corpus Callosum, a Key White Matter Tract Implicated in Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 77, 591-605.	1.2	11
1202	Neural Working Memory Changes During a Spaceflight Analog With Elevated Carbon Dioxide: A Pilot Study. Frontiers in Systems Neuroscience, 2020, 14, 48.	1.2	26
1203	Domain Mapping and Deep Learning from Multiple MRI Clinical Datasets for Prediction of Molecular Subtypes in Low Grade Gliomas. Brain Sciences, 2020, 10, 463.	1.1	24

#	Article	IF	CITATIONS
1204	Identification of common cardiometabolic alterations and deregulated pathways in mouse and pig models of aging. Aging Cell, 2020, 19, e13203.	3.0	10
1205	Brain regions vulnerable and resistant to aging without Alzheimer's disease. PLoS ONE, 2020, 15, e0234255.	1.1	26
1206	An Image Registration-Based Morphing Technique for Generating Subject-Specific Brain Finite Element Models. Annals of Biomedical Engineering, 2020, 48, 2412-2424.	1.3	25
1207	Multishell Diffusion MRI–Based Tractography of the Facial Nerve in Vestibular Schwannoma. American Journal of Neuroradiology, 2020, 41, 1480-1486.	1.2	8
1208	Contextual reinstatement promotes extinction generalization in healthy adults but not PTSD. Neuropsychologia, 2020, 147, 107573.	0.7	22
1209	Experience selectively alters functional connectivity within a neural network to predict learned behavior in juvenile songbirds. NeuroImage, 2020, 222, 117218.	2.1	1
1210	Dose dependent cerebellar atrophy in glioma patients after radio(chemo)therapy. Radiotherapy and Oncology, 2020, 150, 262-267.	0.3	12
1211	Thalamus is a common locus of reading, arithmetic, and IQ: Analysis of local intrinsic functional properties. Brain and Language, 2020, 209, 104835.	0.8	14
1212	Neonatal brain volume as a marker of differential susceptibility to parenting quality and its association with neurodevelopment across early childhood. Developmental Cognitive Neuroscience, 2020, 45, 100826.	1.9	9
1213	Volumetric Registration-Based Cleft Volume Estimation of Alveolar Cleft Grafting Procedures. , 2020,		6
1214	Improved motion correction for functional MRI using an omnibus regression model. , 2020, 2020, 1044-1047.		2
1215	Tensor-Based Grading: A Novel Patch-Based Grading Approach for the Analysis Of Deformation Fields in Huntington's Disease., 2020, 2020, 1091-1095.		2
1216	DeepFLASH: An Efficient Network for Learning-Based Medical Image Registration. , 2020, , .		43
1217	Fast Symmetric Diffeomorphic Image Registration with Convolutional Neural Networks. , 2020, , .		104
1218	A Spatiotemporal Volumetric Interpolation Network for 4D Dynamic Medical Image. , 2020, , .		11
1219	Age-related change in episodic memory: role of functional and structural connectivity between the ventral posterior cingulate and the parietal cortex. Brain Structure and Function, 2020, 225, 2203-2218.	1.2	14
1220	Measuring decline in white matter integrity after systemic treatment for breast cancer: omitting skeletonization enhances sensitivity. Brain Imaging and Behavior, 2021, 15, 1191-1200.	1,1	18
1221	Divergence of rodent and primate medial frontal cortex functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21681-21689.	3.3	76

#	Article	IF	CITATIONS
1222	Fine-Grained Topography and Modularity of the Macaque Frontal Pole Cortex Revealed by Anatomical Connectivity Profiles. Neuroscience Bulletin, 2020, 36, 1454-1473.	1.5	9
1223	Simultaneous BOLD-fMRI and constant infusion FDG-PET data of the resting human brain. Scientific Data, 2020, 7, 363.	2.4	26
1224	Sevenâ€tesla quantitative magnetic resonance spectroscopy of glutamate, γâ€aminobutyric acid, and glutathione in the posterior cingulate cortex/precuneus in patients with epilepsy. Epilepsia, 2020, 61, 2785-2794.	2.6	17
1225	Disconnection somewhere down the line: Multivariate lesion-symptom mapping of the line bisection error. Cortex, 2020, 133, 120-132.	1.1	17
1226	Association of early skin breaks and neonatal thalamic maturation. Neurology, 2020, 95, e3420-e3427.	1.5	17
1227	Robustness of sex-differences in functional connectivity over time in middle-aged marmosets. Scientific Reports, 2020, 10, 16647.	1.6	6
1228	A neuroimaging marker for predicting longitudinal changes in pain intensity of subacute back pain based on large-scale brain network interactions. Scientific Reports, 2020, 10, 17392.	1.6	6
1229	Whole brain mapping of somatosensory responses in awake marmosets investigated with ultra-high-field fMRI. Journal of Neurophysiology, 2020, 124, 1900-1913.	0.9	10
1230	Analysis of different image-registration algorithms for Fourier decomposition MRI in functional lung imaging. Acta Radiologica, 2021, 62, 875-881.	0.5	5
1231	Multimodal Evaluation of Neurovascular Functionality in Early Parkinson's Disease. Frontiers in Neurology, 2020, 11, 831.	1.1	13
1232	FMRI activation to cannabis odor cues is altered in individuals at risk for a cannabis use disorder. Brain and Behavior, 2020, 10, e01764.	1.0	10
1233	Sylvian fissure development is linked to differential genetic expression in the pre-folded brain. Scientific Reports, 2020, 10, 14489.	1.6	14
1234	Multivariate association between brain function and eating disorders using sparse canonical correlation analysis. PLoS ONE, 2020, 15, e0237511.	1.1	6
1235	Wholeâ€brain functional connectivity correlates of obesity phenotypes. Human Brain Mapping, 2020, 41, 4912-4924.	1.9	22
1236	Anxiety and the Neurobiology of Temporally Uncertain Threat Anticipation. Journal of Neuroscience, 2020, 40, 7949-7964.	1.7	68
1237	Standardâ€space atlas of the viscoelastic properties of the human brain. Human Brain Mapping, 2020, 41, 5282-5300.	1.9	48
1238	Structural Brain Patterns Associated with Traumatic Stress Resilience and Susceptibility to Mood and Anxiety Symptoms in Youths. Adversity and Resilience Science, 2020, 1, 179-190.	1.2	4
1239	Brain-wide structural and functional disruption in mice with oligodendrocyte-specific <i>Nf1</i> deletion is rescued by inhibition of nitric oxide synthase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22506-22513.	3.3	11

#	Article	IF	CITATIONS
1240	A novel fully automated MRI-based deep-learning method for classification of $1p/19q$ co-deletion status in brain gliomas. Neuro-Oncology Advances, 2020, 2, iv42-iv48.	0.4	25
1241	Anterolateral entorhinal cortex thickness as a new biomarker for early detection of Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12068.	1.2	16
1242	Functional and Structural Neuroimaging Correlates of Repetitive Low-Level Blast Exposure in Career Breachers. Journal of Neurotrauma, 2020, 37, 2468-2481.	1.7	35
1243	The Impact of Covariates in Voxel-Wise Lesion-Symptom Mapping. Frontiers in Neurology, 2020, 11, 854.	1.1	7
1244	Static and dynamic aspects of cerebro-cerebellar functional connectivity are associated with self-reported measures of impulsivity: A resting-state fMRI study. Network Neuroscience, 2020, 4, 891-909.	1.4	9
1245	3D Convolutional Neural Networks for Diagnosis of Alzheimer's Disease via Structural MRI. , 2020, , .		21
1246	Multimodal principal component analysis to identify major features of white matter structure and links to reading. PLoS ONE, 2020, 15, e0233244.	1.1	32
1247	Prediction of Language Impairments in Children Using Deep Relational Reasoning with DWI Data. , 2020,		2
1248	Optimization and validation of diffusion MRI-based fiber tracking with neural tracer data as a reference. Scientific Reports, 2020, 10, 21285.	1.6	15
1249	Non-negative data-driven mapping of structural connections with application to the neonatal brain. Neurolmage, 2020, 222, 117273.	2.1	14
1250	Dimensional connectomics of anxious misery, a human connectome study related to human disease: Overview of protocol and data quality. Neurolmage: Clinical, 2020, 28, 102489.	1.4	8
1251	A review on 3D deformable image registration and its application in dose warping. Radiation Medicine and Protection, 2020, 1, 171-178.	0.4	10
1252	Studying pre-treatment and ketamine-induced changes in white matter microstructure in the context of ketamine's antidepressant effects. Translational Psychiatry, 2020, 10, 432.	2.4	20
1253	Propylparaben Reduces the Long-Term Consequences in Hippocampus Induced by Traumatic Brain Injury in Rats: Its Implications as Therapeutic Strategy to Prevent Neurodegenerative Diseases. Journal of Alzheimer's Disease, 2020, 82, 1-12.	1.2	5
1254	7 Tesla MRI Followed by Histological 3D Reconstructions in Whole-Brain Specimens. Frontiers in Neuroanatomy, 2020, 14, 536838.	0.9	21
1255	Unraveling the contributions to the neuromelanin-MRI contrast. Brain Structure and Function, 2020, 225, 2757-2774.	1.2	41
1256	Deep conservation of the enhancer regulatory code in animals. Science, 2020, 370, .	6.0	89
1257	Computational Diffusion MRI. Mathematics and Visualization, 2020, , .	0.4	1

#	Article	IF	Citations
1258	A Versatile Tiling Light Sheet Microscope for Imaging of Cleared Tissues. Cell Reports, 2020, 33, 108349.	2.9	37
1259	Dissecting Neuronal Activation on a Brain-Wide Scale With Immediate Early Genes. Frontiers in Neuroscience, 2020, 14, 569517.	1.4	31
1260	Altered structural connectivity networks in a mouse model of complete and partial dysgenesis of the corpus callosum. NeuroImage, 2020, 217, 116868.	2.1	17
1261	Relationship of Cerebral Blood Flow to Cognitive Function and Recovery in Early Chronic Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 2180-2187.	1.7	23
1262	An MRI-Derived Neuroanatomical Atlas of the Fischer 344 Rat Brain. Scientific Reports, 2020, 10, 6952.	1.6	28
1263	Direct In Vivo MRI Discrimination of Brain Stem Nuclei and Pathways. American Journal of Neuroradiology, 2020, 41, 777-784.	1.2	10
1264	Freeze-frame imaging of synaptic activity using SynTagMA. Nature Communications, 2020, 11, 2464.	5.8	19
1265	Down syndrome: Distribution of brain amyloid in mild cognitive impairment. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12013.	1.2	8
1266	A survey on brain tumor detection techniques for MR images. Multimedia Tools and Applications, 2020, 79, 21771-21814.	2.6	72
1267	Individual-specific and shared representations during episodic memory encoding and retrieval. Neurolmage, 2020, 217, 116909.	2.1	14
1268	Functional Connectivity and Structural Disruption in the Defaultâ€Mode Network Predicts Cognitive Rehabilitation Outcomes in Multiple Sclerosis. Journal of Neuroimaging, 2020, 30, 523-530.	1.0	21
1269	Magnetic resonance-guided focused ultrasound capsulotomy for refractory obsessive compulsive disorder and major depressive disorder: clinical and imaging results from two phase I trials. Molecular Psychiatry, 2020, 25, 1946-1957.	4.1	53
1270	Comparison of Automatic Segmentation Algorithms for the Subthalamic Nucleus. Stereotactic and Functional Neurosurgery, 2020, 98, 256-262.	0.8	7
1271	Toward a High-Resolution Reconstruction of 3D Nerve Fiber Architectures and Crossings in the Brain Using Light Scattering Measurements and Finite-Difference Time-Domain Simulations. Physical Review X, 2020, 10, .	2.8	20
1272	Cohort study into the neural correlates of postoperative delirium: the role of connectivity and slow-wave activity. British Journal of Anaesthesia, 2020, 125, 55-66.	1.5	61
1273	Striatal bases of temporal discounting in early adolescents. Neuropsychologia, 2020, 144, 107492.	0.7	5
1274	Structural connectivity predicts functional activation during lexical and sublexical reading. NeuroImage, 2020, 218, 117008.	2.1	16
1275	Sodium Cromoglycate Decreases Sensorimotor Impairment and Hippocampal Alterations Induced by Severe Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2020, 37, 2595-2603.	1.7	9

#	Article	IF	CITATIONS
1276	Corticostriatal White Matter Integrity and Dopamine D1 Receptor Availability Predict Age Differences in Prefrontal Value Signaling during Reward Learning. Cerebral Cortex, 2020, 30, 5270-5280.	1.6	4
1277	MonkeyCBP: A Toolbox for Connectivity-Based Parcellation of Monkey Brain. Frontiers in Neuroinformatics, 2020, 14, 14.	1.3	4
1278	Optimizing Diffusion Imaging Protocols for Structural Connectomics in Mouse Models of Neurological Conditions. Frontiers in Physics, 2020, 8, .	1.0	14
1279	Examining the Effects of Anabolic–Androgenic Steroids on Repetitive Mild Traumatic Brain Injury (RmTBI) Outcomes in Adolescent Rats. Brain Sciences, 2020, 10, 258.	1.1	3
1280	Vasogenic edema versus neuroplasticity as neural correlates of hippocampal volume increase following electroconvulsive therapy. Brain Stimulation, 2020, 13, 1080-1086.	0.7	25
1281	Anatomically revealed morphological patterns of pyramidal neurons in layer 5 of the motor cortex. Scientific Reports, 2020, 10, 7916.	1.6	14
1282	Diffusion MRI reveals in vivo and non-invasively changes in astrocyte function induced by an aquaporin-4 inhibitor. PLoS ONE, 2020, 15, e0229702.	1.1	26
1283	Multiple Network Disconnection in Anosognosia for Hemiplegia. Frontiers in Systems Neuroscience, 2020, 14, 21.	1.2	20
1284	The NanoZoomer artificial intelligence connectomics pipeline for tracer injection studies of the marmoset brain. Brain Structure and Function, 2020, 225, 1225-1243.	1.2	10
1285	Î ² -Arrestin-Biased Allosteric Modulator of NTSR1 Selectively Attenuates Addictive Behaviors. Cell, 2020, 181, 1364-1379.e14.	13.5	74
1286	Developmental stage-dependent relationships between ghrelin levels and hippocampal white matter connections in low-weight anorexia nervosa and atypical anorexia nervosa. Psychoneuroendocrinology, 2020, 119, 104722.	1.3	12
1287	AssemblyNet: A large ensemble of CNNs for 3D whole brain MRI segmentation. NeuroImage, 2020, 219, 117026.	2.1	78
1288	Long-distance aberrant heterotopic connectivity in a mouse strain with a high incidence of callosal anomalies. Neurolmage, 2020, 217, 116875.	2.1	8
1289	Post-stroke deficit prediction from lesion and indirect structural and functional disconnection. Brain, 2020, 143, 2173-2188.	3.7	166
1290	Comparative study of preclinical mouse models of high-grade glioma for nanomedicine research: the importance of reproducing blood-brain barrier heterogeneity. Theranostics, 2020, 10, 6361-6371.	4.6	27
1291	Determining Corticospinal Tract Injury from Stroke Using Computed Tomography. Canadian Journal of Neurological Sciences, 2020, 47, 775-784.	0.3	4
1292	Unravelling the effects of methylphenidate on the dopaminergic and noradrenergic functional circuits. Neuropsychopharmacology, 2020, 45, 1482-1489.	2.8	17
1293	Could ZI have a role in DBS for Parkinson's Disease? An observational study to optimize DBS target localization. Journal of Clinical Neuroscience, 2020, 77, 89-93.	0.8	3

#	ARTICLE	IF	Citations
1294	Cyclin D2-knock-out mice with attenuated dentate gyrus neurogenesis have robust deficits in long-term memory formation. Scientific Reports, 2020, 10, 8204.	1.6	6
1295	Precise Mapping of Single Neurons by Calibrated 3D Reconstruction of Brain Slices Reveals Topographic Projection in Mouse Visual Cortex. Cell Reports, 2020, 31, 107682.	2.9	32
1296	Analysis of task-based functional MRI data preprocessed with fMRIPrep. Nature Protocols, 2020, 15, 2186-2202.	5.5	78
1297	Single-Session Bronchial Thermoplasty Guided by ¹²⁹ Xe Magnetic Resonance Imaging. A Pilot Randomized Controlled Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 524-534.	2.5	52
1298	A Symmetric Prior for the Regularisation of Elastic Deformations: Improved anatomical plausibility in nonlinear image registration. Neurolmage, 2020, 219, 116962.	2.1	14
1299	An Intrusion Detection System Against DDoS Attacks in IoT Networks. , 2020, , .		63
1300	Stereotactic Cortical Atlas of the Domestic Canine Brain. Scientific Reports, 2020, 10, 4781.	1.6	28
1301	Functional connectivity of the anterior insula associated with intolerance of uncertainty in youth. Cognitive, Affective and Behavioral Neuroscience, 2020, 20, 493-502.	1.0	17
1302	Spatiotemporal Differences in the Regional Cortical Plate and Subplate Volume Growth during Fetal Development. Cerebral Cortex, 2020, 30, 4438-4453.	1.6	22
1303	JOINUS: A User-Friendly Open-Source Software to Simulate Digital Superconductor Circuits. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-7.	1.1	8
1304	Accurate prediction of individual subject identity and task, but not autism diagnosis, from functional connectomes. Human Brain Mapping, 2020, 41, 2249-2262.	1.9	16
1305	Reversal of Social Recognition Deficit in Adult Mice with MECP2 Duplication via Normalization of MeCP2 in the Medial Prefrontal Cortex. Neuroscience Bulletin, 2020, 36, 570-584.	1.5	43
1306	Radiomics prognostication model in glioblastoma using diffusion- and perfusion-weighted MRI. Scientific Reports, 2020, 10, 4250.	1.6	50
1307	Influence of Satellite Observation Angle to Tropical Cyclone Intensity Estimation Using the Deviation Angle Variance Technique. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3703-3710.	2.7	3
1308	Examining the underpinnings of loudness dependence of auditory evoked potentials with positron emission tomography. NeuroImage, 2020, 213, 116733.	2.1	12
1309	Analysis of continuous infusion functional PET (fPET) in the human brain. Neurolmage, 2020, 213, 116720.	2.1	20
1310	Impact of <i>b</i> â€value on estimates of apparent fibre density. Human Brain Mapping, 2020, 41, 2583-2595.	1.9	64
1311	Multiâ€scale network regression for brainâ€phenotype associations. Human Brain Mapping, 2020, 41, 2553-2566.	1.9	24

#	Article	IF	Citations
1312	Deep learning in medical image registration: a review. Physics in Medicine and Biology, 2020, 65, 20TR01.	1.6	330
1313	THz Cluster-Based Modeling and Propagation Characterization in a Data Center Environment. IEEE Access, 2020, 8, 56544-56558.	2.6	43
1314	Pattern-Based Knowledge Graph Embedding for Non-functional Requirements. , 2020, , .		0
1315	Structural integrity of white matter tracts as a predictor of acute ischemic stroke outcome. International Journal of Stroke, 2020, 15, 965-972.	2.9	8
1316	Magnetic resonance radiomics for prediction of extraprostatic extension in non-favorable intermediate- and high-risk prostate cancer patients. Acta Radiologica, 2020, 61, 1570-1579.	0.5	29
1317	Stereotaxic Diffusion Tensor Imaging White Matter Atlas for the in vivo Domestic Feline Brain. Frontiers in Neuroanatomy, 2020, 14, 1.	0.9	19
1318	Detection of Glioblastoma Subclinical Recurrence Using Serial Diffusion Tensor Imaging. Cancers, 2020, 12, 568.	1.7	10
1319	Hyper BOLD Activation in Dorsal Raphe Nucleus of APP/PS1 Alzheimer's Disease Mouse during Reward-Oriented Drinking Test under Thirsty Conditions. Scientific Reports, 2020, 10, 3915.	1.6	13
1320	Analytical and fast Fiber Orientation Distribution reconstruction in 3D-Polarized Light Imaging. Medical Image Analysis, 2020, 65, 101760.	7.0	7
1321	Rapid eye movement sleep patterns of brain activation and deactivation occur within unique functional networks. Human Brain Mapping, 2020, 41, 3984-3992.	1.9	3
1322	Simultaneous human intracerebral stimulation and HD-EEG, ground-truth for source localization methods. Scientific Data, 2020, 7, 127.	2.4	33
1323	Cellular and extracellular white matter alterations indicate conversion to psychosis among individuals at clinical high-risk for psychosis. World Journal of Biological Psychiatry, 2020, 22, 1-14.	1.3	13
1324	Neurofilament light as a biomarker in traumatic brain injury. Neurology, 2020, 95, e610-e622.	1.5	127
1325	Time course and diagnostic utility of NfL, tau, GFAP, and UCH-L1 in subacute and chronic TBI. Neurology, 2020, 95, e623-e636.	1.5	136
1326	A Registration and Deep Learning Approach to Automated Landmark Detection for Geometric Morphometrics. Evolutionary Biology, 2020, 47, 246-259.	0.5	31
1327	Cross-sectional and longitudinal associations of family income-to-needs ratio with cortical and subcortical brain volume in adolescent boys and girls. Developmental Cognitive Neuroscience, 2020, 44, 100796.	1.9	21
1328	Artificial intelligence to predict clinical disability in patients with multiple sclerosis using FLAIR MRI. Diagnostic and Interventional Imaging, 2020, 101, 795-802.	1.8	46
1329	Age-related differences in cerebral blood flow and cortical thickness with an application to age prediction. Neurobiology of Aging, 2020, 95, 131-142.	1.5	14

#	Article	IF	CITATIONS
1330	18F-fluorodeoxyglucose positron emission tomography in dementia with Lewy bodies. Brain Communications, 2020, 2, fcaa040.	1.5	17
1331	Clinical, molecular, and radiomic profile of gliomas with FGFR3-TACC3 fusions. Neuro-Oncology, 2020, 22, 1614-1624.	0.6	41
1332	Agglomerative Region-Based Analysis. , 2020, , .		0
1333	Sustained perturbation in functional connectivity induced by cold pain. European Journal of Pain, 2020, 24, 1850-1861.	1.4	6
1334	Measuring Statistical Learning Across Modalities and Domains in School-Aged Children Via an Online Platform and Neuroimaging Techniques. Journal of Visualized Experiments, 2020, , .	0.2	6
1335	Lateralized Connectivity between Globus Pallidus and Motor Cortex is Associated with Freezing of Gait in Parkinson's Disease. Neuroscience, 2020, 443, 44-58.	1.1	14
1336	Cerebrovascular inflammation promotes the formation of brain metastases. International Journal of Cancer, 2020, 147, 244-255.	2.3	7
1337	Oscillating diffusionâ€encoding with a high gradientâ€amplitude and high slewâ€rate headâ€only gradient for human brain imaging. Magnetic Resonance in Medicine, 2020, 84, 950-965.	1.9	22
1338	A Robust Image Registration Interface for Large Volume Brain Atlas. Scientific Reports, 2020, 10, 2139.	1.6	38
1339	The Association Between Persistent White-Matter Abnormalities and Repeat Injury After Sport-Related Concussion. Frontiers in Neurology, 2019, 10, 1345.	1.1	16
1340	Earliest amyloid and tau deposition modulate the influence of limbic networks during closed-loop hippocampal downregulation. Brain, 2020, 143, 976-992.	3.7	16
1341	Transdiagnostic Brain Mapping in Developmental Disorders. Current Biology, 2020, 30, 1245-1257.e4.	1.8	63
1342	Chronic Thromboembolic Pulmonary Hypertension Perioperative Monitoring Using Phaseâ€Resolved Functional Lung (PREFUL)â€MRI. Journal of Magnetic Resonance Imaging, 2020, 52, 610-619.	1.9	17
1344	Open access resource for cellular-resolution analyses of corticocortical connectivity in the marmoset monkey. Nature Communications, 2020, 11, 1133.	5.8	86
1345	Cortical Microstructural Alterations in Mild Cognitive Impairment and Alzheimer's Disease Dementia. Cerebral Cortex, 2020, 30, 2948-2960.	1.6	61
1346	Scalable 3D Silicon Photonic Electronic Integrated Circuits and Their Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-10.	1.9	23
1347	Multiâ€spin echo T ₂ relaxation imaging with compressed sensing (METRICS) for rapid myelin water imaging. Magnetic Resonance in Medicine, 2020, 84, 1264-1279.	1.9	29
1348	High-resolution T2-FLAIR and non-contrast CT brain atlas of the elderly. Scientific Data, 2020, 7, 56.	2.4	20

#	Article	IF	CITATIONS
1349	Accounting for Deformation in Deep Brain Stimulation Surgery With Models: Comparison to Interventional Magnetic Resonance Imaging. IEEE Transactions on Biomedical Engineering, 2020, 67, 2934-2944.	2.5	4
1350	Diffusion tensor tractography of brainstem fibers and its application in pain. PLoS ONE, 2020, 15, e0213952.	1.1	27
1351	Translational outcomes in a full gene deletion of ubiquitin protein ligase E3A rat model of Angelman syndrome. Translational Psychiatry, 2020, 10, 39.	2.4	50
1352	White matter extension of the Melbourne Children's Regional Infant Brain atlas: M RIBâ€WM. Human Brain Mapping, 2020, 41, 2317-2333.	1.9	11
1353	Alterations and test–retest reliability of functional connectivity network measures in cerebral small vessel disease. Human Brain Mapping, 2020, 41, 2629-2641.	1.9	19
1354	Temporal fluctuations in the brain's modular architecture during movie-watching. Neurolmage, 2020, 213, 116687.	2.1	44
1355	Probabilistic Template of the Lateral Parabrachial Nucleus, Medial Parabrachial Nucleus, Vestibular Nuclei Complex, and Medullary Viscero-Sensory-Motor Nuclei Complex in Living Humans From 7 Tesla MRI. Frontiers in Neuroscience, 2019, 13, 1425.	1.4	27
1356	BraTS Toolkit: Translating BraTS Brain Tumor Segmentation Algorithms Into Clinical and Scientific Practice. Frontiers in Neuroscience, 2020, 14, 125.	1.4	50
1357	Accuracy of automated amygdala MRI segmentation approaches in Huntington's disease in the IMAGEâ€HD cohort. Human Brain Mapping, 2020, 41, 1875-1888.	1.9	9
1358	Tracking regional brain growth up to age 13 in children born term and very preterm. Nature Communications, 2020, 11, 696.	5.8	40
1359	Subjective value then confidence in human ventromedial prefrontal cortex. PLoS ONE, 2020, 15, e0225617.	1.1	29
1360	Improving Spatial Normalization of Brain Diffusion MRI to Measure Longitudinal Changes of Tissue Microstructure in the Cortex and White Matter. Journal of Magnetic Resonance Imaging, 2020, 52, 766-775.	1.9	7
1361	Neuroinflammation-Associated Aspecific Manipulation of Mouse Predator Fear by Toxoplasma gondii. Cell Reports, 2020, 30, 320-334.e6.	2.9	88
1362	Reproducibility, reliability and variability of FA and MD in the older healthy population: A test-retest multiparametric analysis. NeuroImage: Clinical, 2020, 26, 102168.	1.4	37
1364	Medial prefrontal decoupling from the default mode network benefits memory. NeuroImage, 2020, 210, 116543.	2.1	19
1365	Modelling brain development to detect white matter injury in term and preterm born neonates. Brain, 2020, 143, 467-479.	3.7	44
1366	Automatic Collateral Scoring From 3D CTA Images. IEEE Transactions on Medical Imaging, 2020, 39, 2190-2200.	5.4	26
1367	Association of naturally occurring sleep loss with reduced amygdala resting-state functional connectivity following psychosocial stress. Psychoneuroendocrinology, 2020, 114, 104585.	1.3	7

#	Article	IF	Citations
1368	Improved multi-parametric prediction of tissue outcome in acute ischemic stroke patients using spatial features. PLoS ONE, 2020, 15, e0228113.	1.1	13
1369	Longitudinal Development of Brain Iron Is Linked to Cognition in Youth. Journal of Neuroscience, 2020, 40, 1810-1818.	1.7	60
1370	Neural correlates of retrieval-based enhancement of autobiographical memory in older adults. Scientific Reports, 2020, 10, 1447.	1.6	4
1371	Cerebrospinal fluid influx drives acute ischemic tissue swelling. Science, 2020, 367, .	6.0	300
1372	Deep learning in medical image registration: a survey. Machine Vision and Applications, 2020, 31, 1.	1.7	343
1373	Pain-free resting-state functional brain connectivity predicts individual pain sensitivity. Nature Communications, 2020, 11, 187.	5.8	72
1374	Silent T ₁ mapping using the variable flip angle method with B ₁ correction. Magnetic Resonance in Medicine, 2020, 84, 813-824.	1.9	10
1375	Differential annualized rates of hippocampal subfields atrophy in aging and future Alzheimer's clinical syndrome. Neurobiology of Aging, 2020, 90, 75-83.	1.5	28
1376	pyKNEEr: An image analysis workflow for open and reproducible research on femoral knee cartilage. PLoS ONE, 2020, 15, e0226501.	1.1	12
1377	Differences in Frontal Network Anatomy Across Primate Species. Journal of Neuroscience, 2020, 40, 2094-2107.	1.7	37
1378	Linking Pain Sensation to the Autonomic Nervous System: The Role of the Anterior Cingulate and Periaqueductal Gray Resting-State Networks. Frontiers in Neuroscience, 2020, 14, 147.	1.4	45
1379	MR-guided focused ultrasound increases antibody delivery to nonenhancing high-grade glioma. Neuro-Oncology Advances, 2020, 2, vdaa030.	0.4	13
1380	Hypoplasia of cerebellar afferent networks in Down syndrome revealed by DTI-driven tensor based morphometry. Scientific Reports, 2020, 10, 5447.	1.6	13
1381	Unsupervised 3D PET-CT Image Registration Method Using a Metabolic Constraint Function and a Multi-Domain Similarity Measure. IEEE Access, 2020, 8, 63077-63089.	2.6	10
1382	Anoxic Brain Injury Detection with the Normalized Diffusion to ASL Perfusion Ratio: Implications for Blood-Brain Barrier Injury and Permeability. American Journal of Neuroradiology, 2020, 41, 598-606.	1.2	7
1383	Image Analysis Reveals Microstructural and Volumetric Differences in Glioblastoma Patients with and without Preoperative Seizures. Cancers, 2020, 12, 994.	1.7	4
1384	The sensitivity of network statistics to incomplete electrode sampling on intracranial EEG. Network Neuroscience, 2020, 4, 484-506.	1.4	17
1385	Leveraging multi-shell diffusion for studies of brain development in youth and young adulthood. Developmental Cognitive Neuroscience, 2020, 43, 100788.	1.9	65

#	Article	IF	CITATIONS
1386	Brain-Wide Mapping of Water Flow Perception in Zebrafish. Journal of Neuroscience, 2020, 40, 4130-4144.	1.7	40
1387	Imaging-Based Algorithm for the Local Grading of Glioma. American Journal of Neuroradiology, 2020, 41, 400-407.	1.2	9
1388	Multi-atlas image registration of clinical data with automated quality assessment using ventricle segmentation. Medical Image Analysis, 2020, 63, 101698.	7.0	25
1389	Longitudinal Automatic Segmentation of Hippocampal Subfields (LASHiS) using multi-contrast MRI. NeuroImage, 2020, 218, 116798.	2.1	11
1390	In utero MRI identifies consequences of early-gestation alcohol drinking on fetal brain development in rhesus macaques. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10035-10044.	3 . 3	18
1391	Reduced Modulation of Task-Related Connectivity Mediates Age-Related Declines in Bimanual Performance. Cerebral Cortex, 2020, 30, 4346-4360.	1.6	8
1392	Artificial Intelligence System Approaching Neuroradiologist-level Differential Diagnosis Accuracy at Brain MRI. Radiology, 2020, 295, 626-637.	3 . 6	77
1393	Spatiotemporal Dynamics of Multiple Memory Systems During Category Learning. Brain Sciences, 2020, 10, 224.	1.1	3
1394	A scalable approach to T2-MRI colon segmentation. Medical Image Analysis, 2020, 63, 101697.	7.0	8
1395	Evaluation of a Learning-based Deformable Registration Method on Abdominal CT Images. Irbm, 2021, 42, 94-105.	3.7	5
1396	Acute after-school screen time in children decreases impulse control and activation toward high-calorie food stimuli in brain regions related to reward and attention. Brain Imaging and Behavior, 2021, 15, 177-189.	1.1	7
1397	Medial-tonsillar telovelar approach for resection of a superior medullary velum cerebral cavernous malformation: anatomical and tractography study of the surgical approach and functional implications. Acta Neurochirurgica, 2021, 163, 625-633.	0.9	1
1398	State-of-the-Art Segmentation Techniques and Future Directions for Multiple Sclerosis Brain Lesions. Archives of Computational Methods in Engineering, 2021, 28, 951-977.	6.0	22
1399	Modeling of Neonatal Skull Development Using Computed Tomography Images. Irbm, 2021, 42, 19-27.	3.7	5
1400	Evidence of Altered Habenular Intrinsic Functional Connectivity in Pediatric ADHD. Journal of Attention Disorders, 2021, 25, 749-757.	1.5	8
1401	Temporal Stability of Lead Orientation in Directional Deep Brain Stimulation. Stereotactic and Functional Neurosurgery, 2021, 99, 167-170.	0.8	11
1402	Increased Callosal Connectivity in Reeler Mice Revealed by Brain-Wide Input Mapping of VIP Neurons in Barrel Cortex. Cerebral Cortex, 2021, 31, 1427-1443.	1.6	5
1403	Synchronous nonmonotonic changes in functional connectivity and white matter integrity in a rat model of sporadic Alzheimer's disease. NeuroImage, 2021, 225, 117498.	2.1	14

#	Article	IF	Citations
1404	Measurement reliability for individual differences in multilayer network dynamics: Cautions and considerations. NeuroImage, 2021, 225, 117489.	2.1	24
1405	Distinct patterns of hippocampal subfield volume loss in left and right mesial temporal lobe epilepsy. Neurological Sciences, 2021, 42, 1411-1421.	0.9	10
1406	Diagnosis of depression in multiple sclerosis is predicted by frontal–parietal white matter tract disruption. Journal of Neurology, 2021, 268, 169-177.	1.8	10
1407	MGMT methylation may benefit overall survival in patients with moderately vascularized glioblastomas. European Radiology, 2021, 31, 1738-1747.	2.3	16
1408	Multi-scale graph-based grading for Alzheimer's disease prediction. Medical Image Analysis, 2021, 67, 101850.	7.0	28
1409	Resting state functional MRI in infants with prenatal opioid exposure—a pilot study. Neuroradiology, 2021, 63, 585-591.	1.1	28
1410	Accelerating in vivo fast spin echo high angular resolution diffusion imaging with an isotropic resolution in mice through compressed sensing. Magnetic Resonance in Medicine, 2021, 85, 1397-1413.	1.9	3
1411	Neurobiological Sensitivity to Social Rewards and Punishments Moderates Link Between Peer Norms and Adolescent Risk Taking. Child Development, 2021, 92, 731-745.	1.7	22
1412	Early red nucleus atrophy in relapseâ€onset multiple sclerosis. Human Brain Mapping, 2021, 42, 154-160.	1.9	3
1413	Preterm birth leads to impaired rich-club organization and fronto-paralimbic/limbic structural connectivity in newborns. NeuroImage, 2021, 225, 117440.	2.1	26
1414	A multivariate analysis of the association between corticostriatal functional connectivity and psychosis-like experiences in the general community. Psychiatry Research - Neuroimaging, 2021, 307, 111202.	0.9	8
1415	Psilocybin exerts distinct effects on resting state networks associated with serotonin and dopamine in mice. NeuroImage, 2021, 225, 117456.	2.1	25
1416	3D phaseâ€resolved functional lung ventilation MR imaging in healthy volunteers and patients with chronic pulmonary disease. Magnetic Resonance in Medicine, 2021, 85, 912-925.	1.9	29
1417	Alexithymia in multiple sclerosis: Clinical and radiological correlations. Revue Neurologique, 2021, 177, 302-311.	0.6	7
1418	Gradients of functional connectivity in the mouse cortex reflect neocortical evolution. NeuroImage, 2021, 225, 117528.	2.1	30
1419	Memory Reactivation during Learning Simultaneously Promotes Dentate Gyrus/CA $<$ sub $>$ 2,3 $<$ /sub $>$ Pattern Differentiation and CA $<$ sub $>$ 1 $<$ /sub $>$ Memory Integration. Journal of Neuroscience, 2021, 41, 726-738.	1.7	49
1420	Probabilistic Mapping of Deep Brain Stimulation: Insights from 15 Years of Therapy. Annals of Neurology, 2021, 89, 426-443.	2.8	68
1421	Shared and distinct white matter abnormalities in schizophrenia and bipolar disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 108, 110175.	2.5	8

#	Article	IF	CITATIONS
1422	Abnormal Behavior and Cortical Connectivity Deficits in Mice Lacking $\langle i \rangle$ Usp $9x \langle i \rangle$. Cerebral Cortex, 2021, 31, 1763-1775.	1.6	5
1423	Naturalistic Language Input is Associated with Resting-State Functional Connectivity in Infancy. Journal of Neuroscience, 2021, 41, 424-434.	1.7	35
1424	Diet, psychosocial stress, and Alzheimer's disease–related neuroanatomy in female nonhuman primates. Alzheimer's and Dementia, 2021, 17, 733-744.	0.4	15
1425	Estimation of simultaneous BOLD and dynamic FDG metabolic brain activations using a multimodality concatenated ICA (mcICA) method. NeuroImage, 2021, 226, 117603.	2.1	4
1426	Feasibility of human spinal cord perfusion mapping using dynamic susceptibility contrast imaging at 7T: Preliminary results and identified guidelines. Magnetic Resonance in Medicine, 2021, 85, 1183-1194.	1.9	9
1427	Increased dynamic flexibility in the medial temporal lobe network following an exercise intervention mediates generalization of prior learning. Neurobiology of Learning and Memory, 2021, 177, 107340.	1.0	10
1428	Chronic alcohol exposure differentially modulates structural and functional properties of amygdala: A crossâ€sectional study. Addiction Biology, 2021, 26, e12980.	1.4	2
1429	Fast GPU 3D diffeomorphic image registration. Journal of Parallel and Distributed Computing, 2021, 149, 149-162.	2.7	14
1430	Regional, Layer, and Cell-Type-Specific Connectivity of the Mouse Default Mode Network. Neuron, 2021, 109, 545-559.e8.	3.8	94
1431	Sex hormones partially explain the sex-dependent effect of lifetime alcohol use on adolescent white matter microstructure. Psychiatry Research - Neuroimaging, 2021, 307, 111230.	0.9	4
1432	Association between airflow limitation and leukoaraiosis of the brain. Respiratory Investigation, 2021, 59, 320-326.	0.9	0
1433	Modulation of beta bursts in subthalamic sensorimotor circuits predicts improvement in bradykinesia. Brain, 2021, 144, 473-486.	3.7	63
1434	Fast automatic segmentation of thalamic nuclei from MP2RAGE acquisition at 7 Tesla. Magnetic Resonance in Medicine, 2021, 85, 2781-2790.	1.9	11
1435	Marmoset Brain Mapping V3: Population multi-modal standard volumetric and surface-based templates. Neurolmage, 2021, 226, 117620.	2.1	50
1436	Characteristics of fMRI responses to visual stimulation in anesthetized vs. awake mice. NeuroImage, 2021, 226, 117542.	2.1	46
1437	Joint affine and deformable threeâ€dimensional networks for brain MRI registration. Medical Physics, 2021, 48, 1182-1196.	1.6	10
1438	Flow Volume Loop and Regional Ventilation Assessment Using Phaseâ€Resolved Functional Lung (<scp>PREFUL</scp>) <scp>MRI</scp> : Comparison With <scp>¹²⁹Xenon</scp> Ventilation <scp>MRI</scp> and Lung Function Testing. Journal of Magnetic Resonance Imaging, 2021, 53, 1092-1105.	1.9	25
1439	Integrity of the uncinate fasciculus is associated with emotional pattern separation-related fMRI signals in the hippocampal dentate and CA3. Neurobiology of Learning and Memory, 2021, 177, 107359.	1.0	9

#	ARTICLE	IF	CITATIONS
1440	Intranasal insulin administration decreases cerebral blood flow in corticoâ€limbic regions: A neuropharmacological imaging study in normal and overweight males. Diabetes, Obesity and Metabolism, 2021, 23, 175-185.	2.2	14
1441	Jacobian Mapping Reveals Converging Brain Substrates of Disruption and Repair in Response to Ethanol Exposure and Abstinence in 2 Strains of Rats. Alcoholism: Clinical and Experimental Research, 2021, 45, 92-104.	1.4	2
1442	Diffusion and perfusion MRI radiomics obtained from deep learning segmentation provides reproducible and comparable diagnostic model to human in post-treatment glioblastoma. European Radiology, 2021, 31, 3127-3137.	2.3	26
1443	Where You Lead, I Will Follow: Exploring Sibling Similarity in Brain and Behavior During Risky Decision Making. Journal of Research on Adolescence, 2021, 31, 34-51.	1.9	7
1444	Predicting brain age with complex networks: From adolescence to adulthood. NeuroImage, 2021, 225, 117458.	2.1	39
1445	Structural and Functional Brain Parameters Related to Cognitive Performance Across Development: Replication and Extension of the Parieto-Frontal Integration Theory in a Single Sample. Cerebral Cortex, 2021, 31, 1444-1463.	1.6	24
1446	Normative Analysis of Individual Brain Differences Based on a Population MRI-Based Atlas of Cynomolgus Macaques. Cerebral Cortex, 2021, 31, 341-355.	1.6	12
1447	Standardizing T1-w/T2-w ratio images in trigeminal neuralgia to estimate the degree of demyelination in vivo. Neurolmage: Clinical, 2021, 32, 102798.	1.4	5
1448	Delayed Maturation of the Middle Cerebellar Peduncles at Near-Term Age Predicts Abnormal Neurodevelopment in Preterm Infants. Neonatology, 2021, 118, 37-46.	0.9	5
1450	Detecting Corticospinal Tract Impairment in Tumor Patients With Fiber Density and Tensor-Based Metrics. Frontiers in Oncology, 2020, 10, 622358.	1.3	12
1451	Nesterov Accelerated ADMM for Fast Diffeomorphic Image Registration. Lecture Notes in Computer Science, 2021, , 150-160.	1.0	4
1452	Robust Hydrocephalus Brain Segmentation via Globally and Locally Spatial Guidance. Lecture Notes in Computer Science, 2021, , 92-100.	1.0	3
1453	An ensemble hybrid feature selection method for neuropsychiatric disorder classification. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, PP, 1-1.	1.9	5
1454	Fixel-based evidence of microstructural damage in crossing pathways improves language mapping in Post-stroke aphasia. NeuroImage: Clinical, 2021, 31, 102774.	1.4	5
1455	Shape morphing technique can accurately predict pelvic bone landmarks. International Journal of Legal Medicine, 2021, 135, 1617-1626.	1,2	5
1456	Learning a Model-Driven Variational Network for Deformable Image Registration. IEEE Transactions on Medical Imaging, 2022, 41, 199-212.	5.4	9
1457	Comparison of multi echo T2 relaxation and steady state approaches for myelin imaging in the central nervous system. Scientific Reports, 2021, 11, 1369.	1.6	8
1458	The rostro-caudal gradient in the prefrontal cortex and its modulation by subthalamic deep brain stimulation in Parkinson's disease. Scientific Reports, 2021, 11, 2138.	1.6	2

#	Article	IF	CITATIONS
1459	Lesion distribution and substrate of white matter damage in myotonic dystrophy type 1: Comparison with multiple sclerosis. NeuroImage: Clinical, 2021, 29, 102562.	1.4	9
1460	Few-Shot Learning for Deformable Medical Image Registration With Perception-Correspondence Decoupling and Reverse Teaching. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1177-1187.	3.9	15
1461	The X-linked acrogigantism-associated gene gpr101 is a regulator of early embryonic development and growth in zebrafish. Molecular and Cellular Endocrinology, 2021, 520, 111091.	1.6	7
1462	Thalamic atrophy in patients with pure hereditary spastic paraplegia type 4. Journal of Neurology, 2021, 268, 2429-2440.	1.8	5
1463	On the functional role of striatal and anterior cingulate GABA + in stimulusâ€response binding. Human Brain Mapping, 2021, 42, 1863-1878.	1.9	9
1465	Pathophysiology of Grey Matter Affection in MS. Neuromethods, 2021, , 47-60.	0.2	0
1466	Impact of the reperfusion status for predicting the final stroke infarct using deep learning. NeuroImage: Clinical, 2021, 29, 102548.	1.4	15
1467	Brain functional networks associated with social bonding in monogamous voles. ELife, 2021, 10, .	2.8	17
1468	A review of deep learning-based three-dimensional medical image registration methods. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4895-4916.	1.1	33
1469	Electric field strength induced by electroconvulsive therapy is associated with clinical outcome. NeuroImage: Clinical, 2021, 30, 102581.	1.4	21
1470	Clinically relevant mitochondrial-targeted therapy improves chronic outcomes after traumatic brain injury. Brain, 2021, 144, 3788-3807.	3.7	21
1472	Improved Brain Lesion Segmentation with Anatomical Priors from Healthy Subjects. Lecture Notes in Computer Science, 2021, , 186-195.	1.0	0
1473	Segmentation of the Cortical Plate inÂFetal Brain MRI with a Topological Loss. Lecture Notes in Computer Science, 2021, , 200-209.	1.0	5
1474	Scaling Principles of White Matter Connectivity in the Human and Nonhuman Primate Brain. Cerebral Cortex, 2022, 32, 2831-2842.	1.6	14
1475	A Multi-Modal MRI Analysis of Cortical Structure in Relation to Gender Dysphoria, Sexual Orientation, and Age in Adolescents. Journal of Clinical Medicine, 2021, 10, 345.	1.0	17
1476	Oxytocin modulates local topography of human functional connectome in healthy men at rest. Communications Biology, 2021, 4, 68.	2.0	7
1477	A Deep Discontinuity-Preserving Image Registration Network. Lecture Notes in Computer Science, 2021, , 46-55.	1.0	9
1478	Ratlas-LH: An MRI template of the Lister hooded rat brain with stereotaxic coordinates for neurosurgical implantations. Brain and Neuroscience Advances, 2021, 5, 239821282110363.	1.8	1

#	Article	IF	CITATIONS
1480	MR Elastography demonstrates reduced white matter shear stiffness in early-onset hydrocephalus. NeuroImage: Clinical, 2021, 30, 102579.	1.4	12
1481	Visual responses in the dorsolateral frontal cortex of marmoset monkeys. Journal of Neurophysiology, 2021, 125, 296-304.	0.9	10
1482	Traumatic brain injury: a comparison of diffusion and volumetric magnetic resonance imaging measures. Brain Communications, 2021, 3, fcab006.	1.5	8
1483	Perinatal SSRI exposure affects brain functional activity associated with whisker stimulation in adolescent and adult rats. Scientific Reports, 2021, 11, 1680.	1.6	7
1484	Deep Learning–Based CT-to-CBCT Deformable Image Registration for Autosegmentation in Head and Neck Adaptive Radiation Therapy. Journal of Artificial Intelligence for Medical Sciences, 2021, 2, 62-75.	1.3	6
1485	Longitudinal fixel-based analysis reveals restoration of white matter alterations following balance training in young brain-injured patients. Neurolmage: Clinical, 2021, 30, 102621.	1.4	12
1486	Bioinformatics for Image Processing. , 2021, , 375-393.		0
1487	Effects of Spaceflight Stressors on Brain Volume, Microstructure, and Intracranial Fluid Distribution. Cerebral Cortex Communications, 2021, 2, tgab022.	0.7	13
1488	Learning Dual Transformer Network forÂDiffeomorphic Registration. Lecture Notes in Computer Science, 2021, , 129-138.	1.0	19
1489	Deep Grading Based on Collective Artificial Intelligence for AD Diagnosis and Prognosis. Lecture Notes in Computer Science, 2021, , 24-33.	1.0	2
1490	Learning Spatiotemporal Probabilistic Atlas of Fetal Brains with Anatomically Constrained Registration Network. Lecture Notes in Computer Science, 2021, 12907, 239-248.	1.0	3
1491	Learning Deformable Image Registration From Optimization: Perspective, Modules, Bilevel Training and Beyond. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7688-7704.	9.7	11
1492	Privacy-Net: An Adversarial Approach for Identity-Obfuscated Segmentation of Medical Images. IEEE Transactions on Medical Imaging, 2021, 40, 1737-1749.	5.4	11
1493	Mass Univariate Regression Analysis for Three-Dimensional Liver Image-Derived Phenotypes. Lecture Notes in Computer Science, 2021, , 165-176.	1.0	4
1494	Visual Information Routes in the Posterior Dorsal and Ventral Face Network Studied with Intracranial Neurophysiology and White Matter Tract Endpoints. Cerebral Cortex, 2022, 32, 342-366.	1.6	11
1495	Improved amyloid burden quantification with nonspecific estimates using deep learning. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1842-1853.	3.3	12
1496	Fine Particulate Air Pollution, Early Life Stress, and Their Interactive Effects on Adolescent Structural Brain Development: A Longitudinal Tensor-Based Morphometry Study. Cerebral Cortex, 2022, 32, 2156-2169.	1.6	14
1497	Mapping the living mouse brain neural architecture: strain-specific patterns of brain structural and functional connectivity. Brain Structure and Function, 2021, 226, 647-669.	1.2	5

#	Article	IF	CITATIONS
1498	Early childhood stress is associated with blunted development of ventral tegmental area functional connectivity. Developmental Cognitive Neuroscience, 2021, 47, 100909.	1.9	24
1501	3D MRI of explanted sheep hearts with submillimeter isotropic spatial resolution: comparison between diffusion tensor and structure tensor imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 741-755.	1.1	11
1502	Excitatory neuronal CHD8 in the regulation of neocortical development and sensory-motor behaviors. Cell Reports, 2021, 34, 108780.	2.9	18
1504	Effects of Long-Term Endogenous Corticosteroid Exposure on Brain Volume and Glial Cells in the AdKO Mouse. Frontiers in Neuroscience, 2021, 15, 604103.	1.4	24
1505	Effects of phase regression on high-resolution functional MRI of the primary visual cortex. Neurolmage, 2021, 227, 117631.	2.1	15
1506	Behavioural performance improvement in visuomotor learning correlates with functional and microstructural brain changes. Neurolmage, 2021, 227, 117673.	2.1	5
1507	PREEMACS: Pipeline for preprocessing and extraction of the macaque brain surface. NeuroImage, 2021, 227, 117671.	2.1	10
1508	Influence of regional white matter hyperintensity volume and apolipoprotein E $\hat{l}\mu4$ status on hippocampal volume in healthy older adults. Hippocampus, 2021, 31, 469-480.	0.9	13
1509	Accurate and Robust Alignment of Differently Stained Histologic Images Based on Greedy Diffeomorphic Registration. Applied Sciences (Switzerland), 2021, 11, 1892.	1.3	8
1510	Faster dense deformable image registration by utilizing both CPU and GPU. Journal of Medical Imaging, 2021, 8, 014002.	0.8	3
1512	CIVET-Macaque: An automated pipeline for MRI-based cortical surface generation and cortical thickness in macaques. NeuroImage, 2021, 227, 117622.	2.1	14
1513	Similarity-driven multi-view embeddings from high-dimensional biomedical data. Nature Computational Science, 2021, 1, 143-152.	3.8	16
1516	Brain White Matter Maturation and Early Developmental Outcomes in Preterm Infants With Retinopathy of Prematurity., 2021, 62, 2.		5
1518	Repeatability of dynamic <scp>3D</scp> phaseâ€resolved functional lung (PREFUL) ventilation <scp>MR</scp> Imaging in patients with chronic obstructive pulmonary disease andÂhealthy volunteers. Journal of Magnetic Resonance Imaging, 2021, 54, 618-629.	1.9	11
1520	Floor-of-the-mouth muscle function analysis using dynamic magnetic resonance imaging. , 2021, 11596 , .		1
1521	Adaptive Weighting Landmark-Based Group-Wise Registration on Lung DCE-MRI Images. IEEE Transactions on Medical Imaging, 2021, 40, 673-687.	5.4	8
1522	Registration quality filtering improves robustness of voxel-wise analyses to the choice of brain template. NeuroImage, 2021, 227, 117657.	2.1	1
1523	Multisite Comparison of MRI Defacing Software Across Multiple Cohorts. Frontiers in Psychiatry, 2021, 12, 617997.	1.3	32

#	Article	IF	CITATIONS
1524	Myelin development in cerebral gray and white matter during adolescence and late childhood. NeuroImage, 2021, 227, 117678.	2.1	37
1525	Metabolic and Hemodynamic Resting-State Connectivity of the Human Brain: A High-Temporal Resolution Simultaneous BOLD-fMRI and FDG-fPET Multimodality Study. Cerebral Cortex, 2021, 31, 2855-2867.	1.6	40
1526	Ventromedial Prefrontal Cortex Activity and Sympathetic Allostasis During Value-Based Ambivalence. Frontiers in Behavioral Neuroscience, 2021, 15, 615796.	1.0	6
1527	Deep learningâ€based T1â€enhanced selection of linear attenuation coefficients (DLâ€TESLA) for PET/MR attenuation correction in dementia neuroimaging. Magnetic Resonance in Medicine, 2021, 86, 499-513.	1.9	11
1528	Effect of brain normalization methods on the construction of functional connectomes from restingâ€state functional MRI in patients with gliomas. Magnetic Resonance in Medicine, 2021, 86, 487-498.	1.9	6
1529	Striatal and cerebellar vesicular acetylcholine transporter expression is disrupted in human DYT1 dystonia. Brain, 2021, 144, 909-923.	3.7	22
1530	Signal Intensity Evaluation in the Dentate Nucleus and Subcortical Gray Matter. Clinical Neuroradiology, 2022, 32, 677-685.	1.0	3
1532	Lifetime Alcohol Use Influences the Association Between Future-Oriented Thought and White Matter Microstructure in Adolescents. Alcohol and Alcoholism, 2021, 56, 708-714.	0.9	0
1533	Histologyâ€Based Average Template of the Marmoset Cortex With Probabilistic Localization of Cytoarchitectural Areas. NeuroImage, 2021, 226, 117625.	2.1	25
1534	Characterization of mice bearing humanized androgen receptor genes (h/mAr) varying in polymorphism length. NeuroImage, 2021, 226, 117594.	2.1	0
1535	Correlation between cortical gene expression and restingâ€state functional network centrality in healthy young adults. Human Brain Mapping, 2021, 42, 2236-2249.	1.9	27
1536	Overestimation of grey matter atrophy in glioblastoma patients following radio(chemo)therapy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 145-152.	1.1	3
1538	Regional brain iron and gene expression provide insights into neurodegeneration in Parkinson's disease. Brain, 2021, 144, 1787-1798.	3.7	44
1539	FDG-PET assessment of the locus coeruleus in Alzheimer's disease. Neurolmage Reports, 2021, 1, 100002.	0.5	9
1540	Neural network of social interaction observation in marmosets. ELife, 2021, 10, .	2.8	22
1541	Deep Learning Based Multimodal Progression Modeling for Alzheimer's Disease. Statistics in Biopharmaceutical Research, 2021, 13, 337-343.	0.6	8
1542	Neurocognitive Features of Motor Premanifest Individuals With Myotonic Dystrophy Type 1. Neurology: Genetics, 2021, 7, e577.	0.9	5
1543	Polymorphism in the ZNF804A Gene and Variation in D1 and D2/D3 Dopamine Receptor Availability in the Healthy Human Brain: A Dual Positron Emission Tomography Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, , .	1.1	2

#	Article	IF	CITATIONS
1544	An expanding manifold in transmodal regions characterizes adolescent reconfiguration of structural connectome organization. ELife, $2021,10,10$	2.8	47
1546	Deep Relational Reasoning for the Prediction of Language Impairment and Postoperative Seizure Outcome Using Preoperative DWI Connectome Data of Children With Focal Epilepsy. IEEE Transactions on Medical Imaging, 2021, 40, 793-804.	5.4	10
1547	Intracranial volume segmentation for neurodegenerative populations using multicentre FLAIR MRI. NeuroImage Reports, 2021, 1, 100006.	0.5	7
1548	High-definition imaging using line-illumination modulation microscopy. Nature Methods, 2021, 18, 309-315.	9.0	76
1549	Neuroanatomy and behavior in mice with a haploinsufficiency of AT-rich interactive domain 1B (ARID1B) throughout development. Molecular Autism, 2021, 12, 25.	2.6	21
1550	Brain age prediction: A comparison between machine learning models using region―and voxelâ€based morphometric data. Human Brain Mapping, 2021, 42, 2332-2346.	1.9	60
1552	The mouth matters most: A functional magnetic resonance imaging study of how dogs perceive inanimate objects. Journal of Comparative Neurology, 2021, 529, 2987-2994.	0.9	2
1553	MRI-Based Deep-Learning Method for Determining Glioma <i>MGMT</i> Promoter Methylation Status. American Journal of Neuroradiology, 2021, 42, 845-852.	1.2	53
1554	Anatomical texture patterns identify cerebellar distinctions between essential tremor and Parkinson's disease. Human Brain Mapping, 2021, 42, 2322-2331.	1.9	10
1555	Spatio-temporal alterations in retinal and choroidal layers in the progression of age-related macular degeneration (AMD) in optical coherence tomography. Scientific Reports, 2021, 11, 5743.	1.6	13
1556	Deepâ€learning based fully automatic segmentation of the globus pallidus interna and externa using ultraâ€high 7 Tesla <scp>MRI</scp> . Human Brain Mapping, 2021, 42, 2862-2879.	1.9	16
1558	Linking Amygdala Persistence to Real-World Emotional Experience and Psychological Well-Being. Journal of Neuroscience, 2021, 41, 3721-3730.	1.7	21
1559	2D or not 2D? An fMRI study of how dogs visually process objects. Animal Cognition, 2021, 24, 1143-1151.	0.9	6
1560	White matter microstructure relates to motor outcomes in myotonic dystrophy type 1 independently of disease duration and genetic burden. Scientific Reports, 2021, 11, 4886.	1.6	6
1561	Probing the Role of a Regional Quantitative Assessment of Amyloid PET. Journal of Alzheimer's Disease, 2021, 80, 383-396.	1.2	3
1562	Prenatal and postnatal depressive symptoms, infant white matter, and toddler behavioral problems. Journal of Affective Disorders, 2021, 282, 465-471.	2.0	14
1563	A Method for Visualizing Multivolume Data and Functionally Defined Surfaces Using GPUs. Optoelectronics, Instrumentation and Data Processing, 2021, 57, 141-148.	0.2	1
1564	Volumetric distribution of perivascular space in relation to mild cognitive impairment. Neurobiology of Aging, 2021, 99, 28-43.	1.5	45

#	Article	IF	CITATIONS
1565	Sensorimotor, Attentional, and Neuroanatomical Predictors of Upper Limb Motor Deficits and Rehabilitation Outcome after Stroke. Neural Plasticity, 2021, 2021, 1-12.	1.0	11
1567	Selection for increased tibia length in mice alters skull shape through parallel changes in developmental mechanisms. ELife, $2021,10,.$	2.8	10
1568	A low-dimensional structure of neurological impairment in stroke. Brain Communications, 2021, 3, fcab 119 .	1.5	15
1569	Evidence in primates supporting the use of chemogenetics for the treatment of human refractory neuropsychiatric disorders. Molecular Therapy, 2021, 29, 3484-3497.	3.7	25
1570	Automated Pathology Detection and Patient Triage in Routinely Acquired Head Computed Tomography Scans. Investigative Radiology, 2021, 56, 571-578.	3.5	4
1571	Perfusion quantification using voxelâ€wise proton density and median signal decay in PREFUL MRI. Magnetic Resonance in Medicine, 2021, 86, 1482-1493.	1.9	10
1572	Early postnatal irradiationâ€induced ageâ€dependent changes in adult mouse brain: MRI based characterization. BMC Neuroscience, 2021, 22, 28.	0.8	7
1573	Unimodal Cyclic Regularization For Training Multimodal Image Registration Networks. , 2021, 2021, .		2
1574	Exploring the relationship between maternal prenatal stress and brain structure in premature neonates. PLoS ONE, 2021, 16, e0250413.	1.1	6
1575	Diffusion models reveal white matter microstructural changes with ageing, pathology and cognition. Brain Communications, 2021, 3, fcab106.	1.5	38
1576	Virtual brain grafting: Enabling whole brain parcellation in the presence of large lesions. NeuroImage, 2021, 229, 117731.	2.1	33
1577	Mapping autonomic, mood and cognitive effects of hypothalamic region deep brain stimulation. Brain, 2021, 144, 2837-2851.	3.7	14
1579	The frontotemporal organization of the arcuate fasciculus and its relationship with speech perception in young and older amateur singers and nonâ€singers. Human Brain Mapping, 2021, 42, 3058-3076.	1.9	13
1580	Neural Correlates of Successful Memory Encoding in Kindergarten and Early Elementary School Children: Longitudinal Trends and Effects of Schooling. Cerebral Cortex, 2021, 31, 3764-3779.	1.6	7
1581	New primal and dual-mixed finite element methods for stable image registration with singular regularization. Mathematical Models and Methods in Applied Sciences, 2021, 31, 979-1020.	1.7	2
1582	A Deep Attentive Convolutional Neural Network for Automatic Cortical Plate Segmentation in Fetal MRI. IEEE Transactions on Medical Imaging, 2021, 40, 1123-1133.	5.4	37
1583	Accelerated 3D whole-brain T1, T2, and proton density mapping: feasibility for clinical glioma MR imaging. Neuroradiology, 2021, 63, 1831-1851.	1.1	15
1585	Impact of brain shift on neural pathways in deep brain stimulation: a preliminary analysis via multi-physics finite element models. Journal of Neural Engineering, 2021, 18, 056009.	1.8	4

#	Article	IF	CITATIONS
1586	Sub-millimetre resolution laminar fMRI using Arterial Spin Labelling in humans at 7 T. PLoS ONE, 2021, 16, e0250504.	1.1	27
1587	Corporal Punishment and Elevated Neural Response to Threat in Children. Child Development, 2021, 92, 821-832.	1.7	42
1588	Electrical stimulation of the macaque ventral tegmental area drives category-selective learning without attention. Neuron, 2021, 109, 1381-1395.e7.	3.8	14
1590	Diagnostic Accuracy of Spiral Wholeâ€Heart Quantitative Adenosine Stress Cardiovascular Magnetic Resonance With Motion Compensated L1â€SPIRIT. Journal of Magnetic Resonance Imaging, 2021, 54, 1268-1279.	1.9	2
1591	Functional connectivity in mild cognitive impairment with Lewy bodies. Journal of Neurology, 2021, 268, 4707-4720.	1.8	10
1592	Cellular-resolution gene expression profiling in the neonatal marmoset brain reveals dynamic species- and region-specific differences. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
1593	Thalamocortical excitability modulation guides human perception under uncertainty. Nature Communications, 2021, 12, 2430.	5.8	56
1594	In Vivo Characterization of Cortical and White Matter Microstructural Pathology in Growth Hormone-Secreting Pituitary Adenoma. Frontiers in Oncology, 2021, 11, 641359.	1.3	2
1595	A 2D/3D Non-rigid Registration Method for Lung Images Based on a Non-linear Correlation Between Displacement Vectors and Similarity Measures. Journal of Medical and Biological Engineering, 2021, 41, 331-342.	1.0	4
1596	Contribution of Excitatory and Inhibitory Neuronal Activity to BOLD fMRI. Cerebral Cortex, 2021, 31, 4053-4067.	1.6	38
1597	Restructuring of amygdala subregion apportion across adolescence. Developmental Cognitive Neuroscience, 2021, 48, 100883.	1.9	8
1598	Network-level macroscale structural connectivity predicts propagation of transcranial magnetic stimulation. Neurolmage, 2021, 229, 117698.	2.1	42
1599	In-depth characterization of a mouse model of post-traumatic epilepsy for biomarker and drug discovery. Acta Neuropathologica Communications, 2021, 9, 76.	2.4	20
1600	On polygenic risk scores for complex traits prediction. Biometrics, 2022, 78, 499-511.	0.8	2
1601	White matter microstructure associations with episodic memory in adults with Down syndrome: a tract-based spatial statistics study. Journal of Neurodevelopmental Disorders, 2021, 13, 17.	1.5	9
1602	Modified Diffusion Tensor Image Processing Pipeline for Archived Studies of Patients With Leukoencephalopathy. Journal of Magnetic Resonance Imaging, 2021, 54, 997-1008.	1.9	0
1603	Evaluating a new generation of wearable high-density diffuse optical tomography technology via retinotopic mapping of the adult visual cortex. Neurophotonics, 2021, 8, 025002.	1.7	18
1605	Unraveling Deep Gray Matter Atrophy and Iron and Myelin Changes in Multiple Sclerosis. American Journal of Neuroradiology, 2021, 42, 1223-1230.	1.2	19

#	Article	IF	CITATIONS
1606	Unsupervised deformable image registration network for 3D medical images. Applied Intelligence, 2022, 52, 766-779.	3.3	8
1607	Effects of Low-Dose Gestational TCDD Exposure on Behavior and on Hippocampal Neuron Morphology and Gene Expression in Mice. Environmental Health Perspectives, 2021, 129, 57002.	2.8	11
1609	Associations Between Relative Morning Blood Pressure, Cerebral Blood Flow, and Memory in Older Adults Treated and Controlled for Hypertension. Hypertension, 2021, 77, 1703-1713.	1.3	4
1610	FDRN: A fast deformable registration network for medical images. Medical Physics, 2021, 48, 6453-6463.	1.6	11
1611	Simultaneous multi-slice image reconstruction using regularized image domain split slice-GRAPPA for diffusion MRI. Medical Image Analysis, 2021, 70, 102000.	7.0	10
1612	Interaction of amyloid and tau on cortical microstructure in cognitively unimpaired adults. Alzheimer's and Dementia, 2022, 18, 65-76.	0.4	18
1614	MRI- and histologically derived neuroanatomical atlas of the Ambystoma mexicanum (axolotl). Scientific Reports, 2021, 11, 9850.	1.6	7
1616	Multi-Site Infant Brain Segmentation Algorithms: The iSeg-2019 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 1363-1376.	5.4	53
1617	Network Controllability in Transmodal Cortex Predicts Psychosis Spectrum Symptoms. Biological Psychiatry, 2021, 89, S370-S371.	0.7	9
1620	Brainwide functional networks associated with anatomically- and functionally-defined hippocampal subfields using ultrahigh-resolution fMRI. Scientific Reports, 2021, 11, 10835.	1.6	2
1621	Bundle-specific associations between white matter microstructure and $A\hat{l}^2$ and tau pathology in preclinical Alzheimer $\hat{a} \in \mathbb{N}$ s disease. ELife, 2021, 10, .	2.8	26
1622	Insights on the Relationship Between Hippocampal Connectivity and Memory Performances at the Early Stage of Multiple Sclerosis. Frontiers in Neurology, 2021, 12, 667531.	1.1	4
1624	A Probabilistic Atlas of the Pineal Gland in the Standard Space. Frontiers in Neuroinformatics, 2021, 15, 554229.	1.3	3
1626	Distinct effects of prematurity on MRI metrics of brain functional connectivity, activity, and structure: Univariate and multivariate analyses. Human Brain Mapping, 2021, 42, 3593-3607.	1.9	7
1627	Preliminary Evidence for a Relationship between Elevated Plasma TNFα and Smaller Subcortical White Matter Volume in HCV Infection Irrespective of HIV or AUD Comorbidity. International Journal of Molecular Sciences, 2021, 22, 4953.	1.8	6
1630	An interictal measurement of cerebral oxygen extraction fraction in MRI-negative refractory epilepsy using quantitative susceptibility mapping. Physica Medica, 2021, 85, 87-97.	0.4	3
1631	Surfaceâ∈Based Connectivity Integration: An atlasâ∈free approach to jointly study functional and structural connectivity. Human Brain Mapping, 2021, 42, 3481-3499.	1.9	9
1633	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. Neurolmage, 2021, 232, 117910.	2.1	31

#	Article	IF	CITATIONS
1634	Diffusion MRI Microstructural Abnormalities at Term-Equivalent Age Are Associated with Neurodevelopmental Outcomes at 3 Years of Age in Very Preterm Infants. American Journal of Neuroradiology, 2021, 42, 1535-1542.	1.2	9
1640	Virtual connectomic datasets in Alzheimer's Disease and aging using whole-brain network dynamics modelling. ENeuro, 2021, 8, ENEURO.0475-20.2021.	0.9	14
1641	Domains of Health-Related Quality of Life Are Associated With Specific Deficits and Lesion Locations in Chronic Aphasia. Neurorehabilitation and Neural Repair, 2021, 35, 634-643.	1.4	4
1642	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. Wellcome Open Research, 0, 6, 109.	0.9	0
1643	Gray Matter Atrophy: The Impacts of Resective Surgery and Vagus Nerve Stimulation in Drug-Resistant Epilepsy. World Neurosurgery, 2021, 149, e535-e545.	0.7	2
1644	Whole brain functional recordings at cellular resolution in zebrafish larvae with 3D scanning multiphoton microscopy. Scientific Reports, 2021, 11, 11048.	1.6	16
1645	Early neuroinflammation is associated with lower amyloid and tau levels in cognitively normal older adults. Brain, Behavior, and Immunity, 2021, 94, 299-307.	2.0	19
1646	White matter abnormalities of right hemisphere attention networks contribute to visual hallucinations in dementia with Lewy bodies. Cortex, 2021, 139, 86-98.	1.1	9
1648	An Analysis of the Vulnerability of Two Common Deep Learning-Based Medical Image Segmentation Techniques to Model Inversion Attacks. Sensors, 2021, 21, 3874.	2.1	12
1649	Perturbation of resting-state network nodes preferentially propagates to structurally rather than functionally connected regions. Scientific Reports, 2021, 11, 12458.	1.6	13
1650	Effect of Methylphenidate on Resting-State Connectivity in Adolescents With a Disruptive Behavior Disorder: A Double-Blind Randomized Placebo-Controlled fMRI Study. Frontiers in Psychiatry, 2021, 12, 662652.	1.3	2
1652	<scp>R2</scp> * and quantitative susceptibility mapping in deep gray matter of 498 healthy controls from 5 to 90 years. Human Brain Mapping, 2021, 42, 4597-4610.	1.9	24
1653	Whole-brain functional ultrasound imaging in awake head-fixed mice. Nature Protocols, 2021, 16, 3547-3571.	5 . 5	52
1654	A 3D medical image registration method based on multi-scale feature fusion. Journal of Physics: Conference Series, 2021, 1948, 012057.	0.3	2
1655	Growth of prefrontal and limbic brain regions and anxiety disorders in children born very preterm. Psychological Medicine, 2023, 53, 759-770.	2.7	3
1656	Fractional Anisotropy in Selected, Motor-Related White Matter Tracts and Its Cross-Sectional and Longitudinal Associations With Motor Function in Healthy Older Adults. Frontiers in Human Neuroscience, 2021, 15, 621263.	1.0	5
1658	Assessing the Accuracy and Reproducibility of <scp>PARIETAL</scp> : A Deep Learning Brain Extraction Algorithm. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	7
1659	Visuomotor Adaptation Brain Changes During a Spaceflight Analog With Elevated Carbon Dioxide (CO2): A Pilot Study. Frontiers in Neural Circuits, 2021, 15, 659557.	1.4	16

#	ARTICLE	IF	CITATIONS
1660	$ \\ Unsupervised \ Multimodal \ Image \ Registration \ with \ Adaptative \ Gradient \ Guidance.\ , 2021, 2021, .$		5
1661	Probabilistic Atlas of the Mesencephalic Reticular Formation, Isthmic Reticular Formation, Microcellular Tegmental Nucleus, Ventral Tegmental Area Nucleus Complex, and Caudal–Rostral Linear Raphe Nucleus Complex in Living Humans from 7 Tesla Magnetic Resonance Imaging. Brain Connectivity, 2021, 11, 613-623.	0.8	19
1662	Fully automated analysis combining [18F]-FET-PET and multiparametric MRI including DSC perfusion and APTw imaging: a promising tool for objective evaluation of glioma progression. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 4445-4455.	3.3	19
1665	Age-related changes in diffuse optical tomography sensitivity profiles in infancy. PLoS ONE, 2021, 16, e0252036.	1.1	6
1666	Inter-individual body mass variations relate to fractionated functional brain hierarchies. Communications Biology, 2021, 4, 735.	2.0	25
1667	Incorporation of anatomical MRI knowledge for enhanced mapping of brain metabolism using functional PET. Neurolmage, 2021, 233, 117928.	2.1	7
1668	MTT and Blood-Brain Barrier Disruption within Asymptomatic Vascular WM Lesions. American Journal of Neuroradiology, 2021, 42, 1396-1402.	1.2	7
1669	A data constrained approach for brain tumour detection using fused deep features and SVM. Multimedia Tools and Applications, 2021, 80, 28745-28760.	2.6	17
1670	Comparison of dual-energy computer tomography and dynamic contrast-enhanced MRI for evaluating lung perfusion defects in chronic thromboembolic pulmonary hypertension. PLoS ONE, 2021, 16, e0251740.	1.1	7
1671	DeepNavNet: Automated Landmark Localization for Neuronavigation. Frontiers in Neuroscience, 2021, 15, 670287.	1.4	5
1673	Improved normalization of lesioned brains via cohortâ€specific templates. Human Brain Mapping, 2021, 42, 4187-4204.	1.9	8
1674	Oversampling Errors in Multimodal Medical Imaging Are Due to the Gibbs Effect. Mathematics, 2021, 9, 1348.	1.1	5
1676	Scattered Light Imaging: Resolving the substructure of nerve fiber crossings in whole brain sections with micrometer resolution. NeuroImage, 2021, 233, 117952.	2.1	18
1677	Potential optimization of focused ultrasound capsulotomy for obsessive compulsive disorder. Brain, 2021, 144, 3529-3540.	3.7	23
1679	Longitudinal Changes in the Sensorimotor Pathways of Very Preterm Infants During the First Year of Life With and Without Intervention: A Pilot Study. Developmental Neurorehabilitation, 2021, 24, 448-455.	0.5	1
1680	Brain MRI Deep Learning and Bayesian Inference System Augments Radiology Resident Performance. Journal of Digital Imaging, 2021, 34, 1049-1058.	1.6	3
1681	Temporal Dynamics of Brain White Matter Plasticity in Sighted Subjects during Tactile Braille Learning: A Longitudinal Diffusion Tensor Imaging Study. Journal of Neuroscience, 2021, 41, 7076-7085.	1.7	5
1682	Hippocampal-Prefrontal Connectivity Prior to the COVID-19 Pandemic Predicts Stress Reactivity. Biological Psychiatry Global Open Science, 2021, 1, 283-290.	1.0	10

#	Article	IF	CITATIONS
1683	Supervised Learning With Perceptual Similarity for Multimodal Gene Expression Registration of a Mouse Brain Atlas. Frontiers in Neuroinformatics, 2021, 15, 691918.	1.3	7
1684	Distinct tumor signatures using deep learning-based characterization of the peritumoral microenvironment in glioblastomas and brain metastases. Scientific Reports, 2021, 11, 14469.	1.6	16
1685	Development of a Machine Learning Classifier Based on Radiomic Features Extracted From Post-Contrast 3D T1-Weighted MR Images to Distinguish Glioblastoma From Solitary Brain Metastasis. Frontiers in Oncology, 2021, 11, 638262.	1.3	15
1686	Deriving Regionally Specific Biomarkers of Emphysema and Small Airways Disease Using Variable Threshold Parametric Response Mapping on Volumetric Lung CT Images. Academic Radiology, 2021, , .	1.3	1
1687	A generative network model of neurodevelopmental diversity in structural brain organization. Nature Communications, 2021, 12, 4216.	5.8	34
1688	Bayesian Fully Convolutional Networks for Brain Image Registration. Journal of Healthcare Engineering, 2021, 2021, 1-12.	1.1	5
1689	Modular and state-relevant functional network connectivity in high-frequency eyes open vs eyes closed resting fMRI data. Journal of Neuroscience Methods, 2021, 358, 109202.	1.3	8
1690	Effects of simvastatin on white matter integrity in healthy middleâ€aged adults. Annals of Clinical and Translational Neurology, 2021, 8, 1656-1667.	1.7	10
1691	Left egocentric neglect in early subacute right-stroke patients is related to damage of the superior longitudinal fasciculus. Brain Imaging and Behavior, 2022, 16, 211-218.	1,1	4
1692	Glioblastoma multiforme prognosis: MRI missing modality generation, segmentation and radiogenomic survival prediction. Computerized Medical Imaging and Graphics, 2021, 91, 101906.	3.5	18
1693	Anatomical bases of fast parietal grasp control in humans: A diffusion-MRI tractography study. NeuroImage, 2021, 235, 118002.	2.1	5
1695	Investigating developmental changes in scalp-to-cortex correspondence using diffuse optical tomography sensitivity in infancy. Neurophotonics, 2021, 8, 035003.	1.7	10
1697	Cognitive Deficits, Apathy, and Hypersomnolence Represent the Core Brain Symptoms of Adult-Onset Myotonic Dystrophy Type 1. Frontiers in Neurology, 2021, 12, 700796.	1.1	15
1698	Developing a Radiomics Signature for Supratentorial Extra-Ventricular Ependymoma Using Multimodal MR Imaging. Frontiers in Neurology, 2021, 12, 648092.	1.1	1
1699	Genetically Predicted Brain C4A Expression Is Associated With TSPO and Hippocampal Morphology. Biological Psychiatry, 2021, 90, 652-660.	0.7	12
1700	ASIST: Annotation-free synthetic instance segmentation and tracking by adversarial simulations. Computers in Biology and Medicine, 2021, 134, 104501.	3.9	11
1701	Dynamical consequences of regional heterogeneity in the brain's transcriptional landscape. Science Advances, 2021, 7, .	4.7	69
1702	Acute thalamic damage as a prognostic biomarker for postâ€traumatic epileptogenesis. Epilepsia, 2021, 62, 1852-1864.	2.6	14

#	Article	IF	CITATIONS
1703	Improving the predictive potential of diffusion <scp>MRI</scp> in schizophrenia using normative modelsâ€"Towards subjectâ€evel classification. Human Brain Mapping, 2021, 42, 4658-4670.	1.9	18
1706	Volumetric glutamate imaging (GluCEST) using 7T MRI can lateralize nonlesional temporal lobe epilepsy: A preliminary study. Brain and Behavior, 2021, 11, e02134.	1.0	7
1707	CycleMorph: Cycle consistent unsupervised deformable image registration. Medical Image Analysis, 2021, 71, 102036.	7.0	102
1708	A local multiâ€transmit coil combined with a highâ€density receive array for cerebellar fMRI at 7 T. NMR in Biomedicine, 2021, 34, e4586.	1.6	7
1711	Quantitative Characterization of Tumor Proximity to Stem Cell Niches: Implications on Recurrence and Survival in GBM Patients. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1180-1188.	0.4	2
1712	SlicerMorph: An open and extensible platform to retrieve, visualize and analyse 3D morphology. Methods in Ecology and Evolution, 2021, 12, 1816-1825.	2.2	64
1714	Dynamic cardiac PET motion correction using 3D normalized gradient fields in patients and phantom simulations. Medical Physics, 2021, 48, 5072-5084.	1.6	3
1715	Diffusion MRI data, sulcal anatomy, and tractography for eight species from the Primate Brain Bank. Brain Structure and Function, 2021, 226, 2497-2509.	1.2	12
1716	Mesoscale microscopy and image analysis tools for understanding the brain. Progress in Biophysics and Molecular Biology, 2022, 168, 81-93.	1.4	25
1717	Universal autofocus for quantitative volumetric microscopy of whole mouse brains. Nature Methods, 2021, 18, 953-958.	9.0	32
1718	Deep Brain Stimulation of Caudal Zona Incerta for Parkinson's Disease: One-Year Follow-Up and Electric Field Simulations. Neuromodulation, 2022, 25, 935-944.	0.4	8
1720	Interactions between the hippocampus and frontoâ€parietal regions during memory encoding in early childhood. Hippocampus, 2021, , .	0.9	2
1721	Focal lesions induce large-scale percolation of sleep-like intracerebral activity in awake humans. Neurolmage, 2021, 234, 117964.	2.1	30
1722	Inducing sterile pyramidal neuronal death in mice to model distinct aspects of gray matter encephalitis. Acta Neuropathologica Communications, 2021, 9, 121.	2.4	3
1723	Regional locus coeruleus degeneration is uncoupled from noradrenergic terminal loss in Parkinson's disease. Brain, 2021, 144, 2732-2744.	3.7	57
1724	CT to MR registration of complex deformations in the knee joint through dual quaternion interpolation of rigid transforms. Physics in Medicine and Biology, 2021, 66, 175024.	1.6	5
1726	<i>i>i</i> Phantom: A Framework for Automated Creation of Individualized Computational Phantoms and Its Application to CT Organ Dosimetry. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3061-3072.	3.9	15
1727	Early postâ€treatment blood oxygenation levelâ€dependent responses to emotion processing associated with clinical response to pharmacological treatment in major depressive disorder. Brain and Behavior, 2021, 11, e2287.	1.0	5

#	Article	IF	CITATIONS
1728	Automatic Segmentation of the Olfactory Bulb. Brain Sciences, 2021, 11, 1141.	1.1	4
1731	U-RSNet: An unsupervised probabilistic model for joint registration and segmentation. Neurocomputing, 2021, 450, 264-274.	3.5	11
1732	Longitudinal Relation Between Structural Network Efficiency, Cognition, and Gait in Cerebral Small Vessel Disease. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 554-560.	1.7	11
1733	Association of Apolipoprotein E É>4 Allele With Clinical and Multimodal Biomarker Changes of Alzheimer Disease in Adults With Down Syndrome. JAMA Neurology, 2021, 78, 937.	4.5	32
1735	Automated Detection of Ischemic Stroke and Subsequent Patient Triage in Routinely Acquired Head CT. Clinical Neuroradiology, 2022, 32, 419-426.	1.0	2
1736	Connectome-wide Functional Connectivity Abnormalities in Youth With Obsessive-Compulsive Symptoms. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 1068-1077.	1.1	3
1737	Extrahippocampal Radiomics Analysis Can Potentially Identify Laterality in Patients With MRI-Negative Temporal Lobe Epilepsy. Frontiers in Neurology, 2021, 12, 706576.	1.1	4
1741	A deep joint sparse non-negative matrix factorization framework for identifying the common and subject-specific functional units of tongue motion during speech. Medical Image Analysis, 2021, 72, 102131.	7.0	6
1742	Filtering in tractography using autoencoders (FINTA). Medical Image Analysis, 2021, 72, 102126.	7.0	23
1743	Brain and Behavioral Evidence for Reweighting of Vestibular Inputs with Long-Duration Spaceflight. Cerebral Cortex, 2022, 32, 755-769.	1.6	39
1744	An Integrated Radiomics Model Incorporating Diffusion-Weighted Imaging and 18F-FDG PET Imaging Improves the Performance of Differentiating Glioblastoma From Solitary Brain Metastases. Frontiers in Oncology, 2021, 11, 732704.	1.3	8
1745	Placental endocrine function shapes cerebellar development and social behavior. Nature Neuroscience, 2021, 24, 1392-1401.	7.1	52
1746	Contrast-Free Detection of Focused Ultrasound-Induced Blood-Brain Barrier Opening Using Diffusion Tensor Imaging. IEEE Transactions on Biomedical Engineering, 2021, 68, 2499-2508.	2.5	4
1747	Mechanical metric for skeletal biomechanics derived from spectral analysis of stiffness matrix. Scientific Reports, 2021, 11, 15690.	1.6	0
1749	Connecting inside out: Development of the social brain in infants and toddlers with a focus on myelination as a marker of brain maturation. Child Development, 2022, 93, 359-371.	1.7	9
1753	Deformation driven Seq2Seq longitudinal tumor and organsâ€atâ€risk prediction for radiotherapy. Medical Physics, 2021, 48, 4784-4798.	1.6	3
1754	Structural white matter alterations in carpal tunnel syndrome: A modified TBSS study. Brain Research, 2021, 1767, 147558.	1.1	5
1755	Comprehensive molecular characterization of pediatric radiation-induced high-grade glioma. Nature Communications, 2021, 12, 5531.	5.8	31

#	Article	IF	CITATIONS
1756	Sex-specific patterns of white matter microstructure are associated with emerging depression during adolescence. Psychiatry Research - Neuroimaging, 2021, 315, 111324.	0.9	4
1757	Semiautomated 3D mapping of aneurysmal wall enhancement with 7T-MRI. Scientific Reports, 2021, 11, 18344.	1.6	16
1758	Population-Average Brain Templates and Application to Automated Voxel-Wise Analysis Pipelines for Cynomolgus Macaque. Neuroinformatics, 2022, 20, 613-626.	1.5	1
1759	Excessive Laughter-like Vocalizations, Microcephaly, and Translational Outcomes in the <i>Ube3a </i> Deletion Rat Model of Angelman Syndrome. Journal of Neuroscience, 2021, 41, 8801-8814.	1.7	13
1761	Arterial Spin Labeling Reveals Elevated Cerebral Blood Flow with Distinct Clusters of Hypo- and Hyperperfusion after Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 2538-2548.	1.7	6
1763	A comparative study between stateâ€ofâ€theâ€art <scp>MRI</scp> deidentification and <scp>AnonyMI</scp> , a new method combining reâ€identification risk reduction and geometrical preservation. Human Brain Mapping, 2021, 42, 5523-5534.	1.9	8
1765	Improving the robustness of MOLLI T1 maps with a dedicated motion correction algorithm. Scientific Reports, 2021, 11, 18546.	1.6	3
1766	Automated, open-source segmentation of the Hippocampus and amygdala with the open Vanderbilt archive of the temporal lobe. Magnetic Resonance Imaging, 2021, 81, 17-23.	1.0	3
1767	Strategic Infarct Locations for Poststroke Depressive Symptoms: A Lesion- and Disconnection-Symptom Mapping Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 387-396.	1.1	7
1768	Automatic segmentation of gadolinium-enhancing lesions in multiple sclerosis using deep learning from clinical MRI. PLoS ONE, 2021, 16, e0255939.	1.1	13
1769	Deformable registration of chest CT images using a 3D convolutional neural network based on unsupervised learning. Journal of Applied Clinical Medical Physics, 2021, 22, 22-35.	0.8	7
1770	Accessible pediatric neuroimaging using a low field strength MRI scanner. NeuroImage, 2021, 238, 118273.	2.1	32
1772	Feasibility of Simulated Postcontrast MRI of Glioblastomas and Lower-Grade Gliomas by Using Three-dimensional Fully Convolutional Neural Networks. Radiology: Artificial Intelligence, 2021, 3, e200276.	3.0	15
1773	Automated Registrationâ€Based Temporal Bone Computed Tomography Segmentation for Applications in Neurotologic Surgery. Otolaryngology - Head and Neck Surgery, 2022, 167, 133-140.	1.1	18
1775	A functional cerebral endothelium is necessary to protect against cognitive decline. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 74-89.	2.4	12
1777	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. Wellcome Open Research, 0, 6, 109.	0.9	2
1778	3D-Printed Pacifier-Shaped Mouthpiece for fMRI-Compatible Gustometers. ENeuro, 2021, 8, ENEURO.0208-21.2021.	0.9	3
1779	Memory impairment in alcohol use disorder is associated with regional frontal brain volumes. Drug and Alcohol Dependence, 2021, 228, 109058.	1.6	11

#	Article	IF	CITATIONS
1780	Level set framework with transcendental constraint for robust and fast image segmentation. Pattern Recognition, 2021, 117, 107985.	5.1	14
1781	Regional relationships between CSF VEGF levels and Alzheimer's disease brain biomarkers and cognition. Neurobiology of Aging, 2021, 105, 241-251.	1.5	17
1782	Spatiotemporal characterisation of ischaemic lesions in transient stroke animal models using diffusion free water elimination and mapping MRI with echo time dependence. NeuroImage, 2021, 244, 118605.	2.1	3
1783	Neuroimaging and biomarker evidence of neurodegeneration in asthma. Journal of Allergy and Clinical Immunology, 2022, 149, 589-598.e6.	1.5	24
1785	Functionnectome as a framework to analyse the contribution of brain circuits to fMRI. Communications Biology, 2021, 4, 1035.	2.0	18
1786	A Unified Framework for Generalized Low-Shot Medical Image Segmentation With Scarce Data. IEEE Transactions on Medical Imaging, 2021, 40, 2656-2671.	5.4	23
1787	Measuring the iron content of dopaminergic neurons in substantia nigra with MRI relaxometry. Neurolmage, 2021, 239, 118255.	2.1	28
1788	Bone mineral density modeling via random field: Normality, stationarity, sex and age dependence. Computer Methods and Programs in Biomedicine, 2021, 210, 106353.	2.6	5
1789	Automated segmentation of knee articular cartilage: Joint deep and hand-crafted learning-based framework using diffeomorphic mapping. Neurocomputing, 2022, 467, 36-55.	3.5	7
1790	Anatomic and Molecular MR Image Synthesis Using Confidence Guided CNNs. IEEE Transactions on Medical Imaging, 2021, 40, 2832-2844.	5.4	14
1791	Effects of prenatal opioid exposure on functional networks in infancy. Developmental Cognitive Neuroscience, 2021, 51, 100996.	1.9	18
1792	Anatomy of phonemic and semantic fluency: A lesion and disconnectome study in 1231 stroke patients. Cortex, 2021, 143, 148-163.	1.1	32
1793	Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior. Developmental Cognitive Neuroscience, 2021, 51, 100993.	1.9	7
1794	A Coarse-to-Fine Deformable Transformation Framework for Unsupervised Multi-Contrast MR Image Registration with Dual Consistency Constraint. IEEE Transactions on Medical Imaging, 2021, 40, 2589-2599.	5.4	35
1795	Enhancing dopamine tone modulates global and local cortical perfusion as a function of COMT val158met genotype. NeuroImage, 2021, 242, 118472.	2.1	5
1796	Lesion-symptom mapping of language impairments in patients suffering from left perisylvian gliomas. Cortex, 2021, 144, 1-14.	1.1	6
1797	Brain parcellation selection: An overlooked decision point with meaningful effects on individual differences in resting-state functional connectivity. NeuroImage, 2021, 243, 118487.	2.1	46
1798	An optimized registration workflow and standard geometric space for small animal brain imaging. NeuroImage, 2021, 241, 118386.	2.1	6

#	Article	IF	CITATIONS
1799	A deep learning toolbox for automatic segmentation of subcortical limbic structures from MRI images. NeuroImage, 2021, 244, 118610.	2.1	26
1800	Pseudonymisation of neuroimages and data protection: Increasing access to data while retaining scientific utility. NeuroImage Reports, 2021, 1, 100053.	0.5	9
1801	White matter impairments in patients with schizophrenia: A multisite diffusion MRI study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 111, 110381.	2.5	10
1802	Lesion-Symptom Mapping: From Single Cases to the Human Disconnectome. , 2022, , 142-154.		1
1803	Gray Matter Analysis of MRI Images: Introduction to Current Research Practice. , 2022, , 84-96.		0
1804	Natural sleep loss is associated with lower mPFC activity during negative distracter processing. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 242-253.	1.0	7
1805	Artificial Intelligence in Radiation Therapy. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 158-181.	2.7	4
1806	Brain Structure and Function of Chronic Low Back Pain Patients on Long-Term Opioid Analgesic Treatment: A Preliminary Study. Molecular Pain, 2021, 17, 174480692199093.	1.0	5
1807	Replicability, Repeatability, and Long-term Reproducibility of Cerebellar Morphometry. Cerebellum, 2021, 20, 439-453.	1.4	13
1808	Structural brain disconnectivity mapping of post-stroke fatigue. NeuroImage: Clinical, 2021, 30, 102635.	1.4	18
1809	In vivo nucleus basalis of Meynert degeneration in mild cognitive impairment with Lewy bodies. Neurolmage: Clinical, 2021, 30, 102604.	1.4	18
1810	Support vector machine based aphasia classification of transcranial magnetic stimulation language mapping in brain tumor patients. NeuroImage: Clinical, 2021, 29, 102536.	1.4	8
1811	An atlas for human brain myelin content throughout the adult life span. Scientific Reports, 2021, 11, 269.	1.6	42
1812	Development and evaluation of a high performance <scp>T1</scp> â€weighted brain template for use in studies on older adults. Human Brain Mapping, 2021, 42, 1758-1776.	1.9	16
1813	Map3D: Registration-Based Multi-Object Tracking on 3D Serial Whole Slide Images. IEEE Transactions on Medical Imaging, 2021, 40, 1924-1933.	5.4	10
1814	RSegNet: A Joint Learning Framework for Deformable Registration and Segmentation. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2499-2513.	3.4	8
1815	Anisotropy in the Human Placenta in Pregnancies Complicated by Fetal Growth Restriction. Mathematics and Visualization, 2021, , 263-276.	0.4	1
1816	3D Brain Deformation in Cadaveric Specimens Compared to Healthy Volunteers Under Non-injurious Loading Conditions., 2021,, 113-122.		4

#	Article	IF	CITATIONS
1817	Symmetric-Constrained Irregular Structure Inpainting for Brain MRI Registration with Tumor Pathology. Lecture Notes in Computer Science, 2021, 12658, 80-91.	1.0	17
1818	HyperMorph: Amortized Hyperparameter Learning for Image Registration. Lecture Notes in Computer Science, 2021, , 3-17.	1.0	45
1819	Biomedical Atlases: Systematics, Informatics and Analysis. Advances in Experimental Medicine and Biology, 2012, 736, 655-677.	0.8	7
1820	Midbrain fMRI: Applications, Limitations and Challenges. Biological Magnetic Resonance, 2015, , 581-609.	0.4	11
1821	Graph of Hippocampal Subfields Grading for Alzheimer's Disease Prediction. Lecture Notes in Computer Science, 2018, , 259-266.	1.0	5
1822	Graph of Brain Structures Grading for Early Detection of Alzheimer's Disease. Lecture Notes in Computer Science, 2018, , 429-436.	1.0	4
1823	Linear and Deformable Image Registration with 3D Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 13-22.	1.0	19
1824	Probabilistic Multilayer Regularization Network for Unsupervised 3D Brain Image Registration. Lecture Notes in Computer Science, 2019, , 346-354.	1.0	15
1825	Dual-Stream Pyramid Registration Network. Lecture Notes in Computer Science, 2019, , 382-390.	1.0	42
1826	A Cooperative Autoencoder for Population-Based Regularization of CNN Image Registration. Lecture Notes in Computer Science, 2019, 11765, 391-400.	1.0	10
1827	Multiple Sclerosis Lesion Segmentation with Tiramisu and 2.5D Stacked Slices. Lecture Notes in Computer Science, 2019, 11766, 338-346.	1.0	30
1829	An Integrated Multi-physics Finite Element Modeling Framework for Deep Brain Stimulation: Preliminary Study on Impact of Brain Shift on Neuronal Pathways. Lecture Notes in Computer Science, 2019, , 682-690.	1.0	6
1830	Rapid Acceleration of the Permutation Test via Transpositions. Lecture Notes in Computer Science, 2019, 11848, 42-53.	1.0	14
1831	FAIM – A ConvNet Method for Unsupervised 3D Medical Image Registration. Lecture Notes in Computer Science, 2019, , 646-654.	1.0	61
1832	Longitudinal Analysis of Fetal MRI in Patients with Prenatal Spina Bifida Repair. Lecture Notes in Computer Science, 2019, , 161-170.	1.0	7
1833	Improving Pathological Structure Segmentation via Transfer Learning Across Diseases. Lecture Notes in Computer Science, 2019, , 90-98.	1.0	7
1835	Lesion Mask-Based Simultaneous Synthesis of Anatomic and Molecular MR Images Using a GAN. Lecture Notes in Computer Science, 2020, 12262, 104-113.	1.0	4
1837	Adversarial Uni- and Multi-modal Stream Networks for Multimodal Image Registration. Lecture Notes in Computer Science, 2020, 12263, 222-232.	1.0	39

#	Article	IF	CITATIONS
1838	Robust Multiple Sclerosis Lesion Inpainting with Edge Prior. Lecture Notes in Computer Science, 2020, 12436, 120-129.	1.0	5
1839	Bidirectional Modeling and Analysis of Brain Aging with Normalizing Flows. Lecture Notes in Computer Science, 2020, , 23-33.	1.0	5
1840	Fast, Simple, Accurate Multi-atlas Segmentation of the Brain. Lecture Notes in Computer Science, 2014, , 1-10.	1.0	4
1841	Non-parametric Discrete Registration with Convex Optimisation. Lecture Notes in Computer Science, 2014, , 51-61.	1.0	26
1842	DR-BUDDI: Diffeomorphic Registration for Blip Up-Down Diffusion Imaging. Lecture Notes in Computer Science, 2014, 17, 218-226.	1.0	9
1843	Single-Subject Structural Networks with Closed-Form Rotation Invariant Matching Improve Power in Developmental Studies of the Cortex. Lecture Notes in Computer Science, 2014, 17, 137-144.	1.0	1
1844	Segmentation of Cerebrovascular Pathologies in Stroke Patients with Spatial and Shape Priors. Lecture Notes in Computer Science, 2014, 17, 773-780.	1.0	14
1845	Construction of An Unbiased Spatio-Temporal Atlas of the Tongue During Speech. Lecture Notes in Computer Science, 2015, 24, 723-732.	1.0	11
1846	Robust Prediction of Clinical Deep Brain Stimulation Target Structures via the Estimation of Influential High-Field MR Atlases. Lecture Notes in Computer Science, 2015, , 587-594.	1.0	6
1847	Corpus Callosum Segmentation in MS Studies Using Normal Atlases and Optimal Hybridization of Extrinsic and Intrinsic Image Cues. Lecture Notes in Computer Science, 2015, , 123-131.	1.0	3
1848	Predictive Modeling of Anatomy with Genetic and Clinical Data. Lecture Notes in Computer Science, 2015, 9351, 519-526.	1.0	2
1849	Patch-Based Segmentation from MP2RAGE Images: Comparison to Conventional Techniques. Lecture Notes in Computer Science, 2015, , 180-187.	1.0	2
1850	ISLES (SISS) Challenge 2015: Segmentation of Stroke Lesions Using Spatial Normalization, Random Forest Classification and Contextual Clustering. Lecture Notes in Computer Science, 2016, , 211-221.	1.0	6
1851	Anatomically Constrained Video-CT Registration via the V-IMLOP Algorithm. Lecture Notes in Computer Science, 2016, 9902, 133-141.	1.0	6
1852	Diffeomorphic Density Registration in Thoracic Computed Tomography. Lecture Notes in Computer Science, 2016, , 46-53.	1.0	2
1853	Patch-Based Discrete Registration of Clinical Brain Images. Lecture Notes in Computer Science, 2016, 9993, 60-67.	1.0	20
1854	Symmetric Interleaved Geodesic Shooting in Diffeomorphisms. Lecture Notes in Computer Science, 2017, , 583-593.	1.0	2
1855	Evaluating 35 Methods to Generate Structural Connectomes Using Pairwise Classification. Lecture Notes in Computer Science, 2017, , 515-522.	1.0	7

#	Article	IF	CITATIONS
1856	Synthesizing CT from Ultrashort Echo-Time MR Images via Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 24-32.	1.0	19
1858	Joint T1 and Brain Fiber Log-Demons Registration Using Currents to Model Geometry. Lecture Notes in Computer Science, 2012, 15, 57-65.	1.0	13
1859	Automatic Population HARDI White Matter Tract Clustering by Label Fusion of Multiple Tract Atlases. Lecture Notes in Computer Science, 2012, 7509, 147-156.	1.0	20
1860	Intensity-Based Registration for Lung MotionÂEstimation. Biological and Medical Physics Series, 2013, , 125-158.	0.3	1
1861	Fusing Functional Signals by Sparse Canonical Correlation Analysis Improves Network Reproducibility. Lecture Notes in Computer Science, 2013, 16, 635-642.	1.0	4
1862	Segregation between the parietal memory network and the default mode network: effects of spatial smoothing and model order in ICA. Science Bulletin, 2016, 61, 1844-1854.	4.3	14
1863	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
1864	Neonatal morphometric similarity mapping for predicting brain age and characterizing neuroanatomic variation associated with preterm birth. NeuroImage: Clinical, 2020, 25, 102195.	1.4	41
1865	Impact of childhood adversity on network reconfiguration dynamics during working memory in hypogonadal women. Psychoneuroendocrinology, 2020, 119, 104710.	1.3	5
1866	Aversive distractors modulate affective working memory in frontoparietal regions Emotion, 2020, 20, 286-295.	1.5	11
1867	Face selective patches in marmoset frontal cortex. Nature Communications, 2020, 11, 4856.	5.8	34
1868	RegQCNET: Deep quality control for image-to-template brain MRI affine registration. Physics in Medicine and Biology, 2020, 65, 225022.	1.6	14
1869	Deep learning in medical image registration. Progress in Biomedical Engineering, 0, , .	2.8	17
1870	Reward processing in the value-driven attention network: reward signals tracking cue identity and location. Social Cognitive and Affective Neuroscience, 2017, 12, 461-467.	1.5	64
1871	Early changes in brain network topology and activation of affective pathways predict persistent pain in the rat. Pain, 2021, 162, 45-55.	2.0	14
1960	Multi-Node Multi-GPU Diffeomorphic Image Registration for Large-Scale Imaging Problems. , 2020, 2020,		6
1961	Brain Myelin Water Fraction and Diffusion Tensor Imaging Atlases for 9â€10 Yearâ€Old Children. Journal of Neuroimaging, 2020, 30, 150-160.	1.0	14
1962	Comparing three-dimensional serial optical coherence tomography histology to MRI imaging in the entire mouse brain. Journal of Biomedical Optics, 2018, 23, 1.	1.4	9

#	Article	IF	CITATIONS
1963	Whole brain vascular imaging in a mouse model of Alzheimer's disease with two-photon microscopy. Journal of Biomedical Optics, 2018, 23, 1.	1.4	14
1964	Overcoming detector limitations of x-ray photon counting for preclinical microcomputed tomography. Journal of Medical Imaging, 2018, 6, 1.	0.8	3
1965	Fast diffeomorphic image registration via GPU-based parallel computing: an investigation of the matching cost function. , $2018, , .$		6
1966	Sulcal depth-based cortical shape analysis in normal healthy control and schizophrenia groups. , 2018, 10574, .		12
1967	Classifying magnetic resonance image modalities with convolutional neural networks. , 2018, , .		10
1968	Voxelwise meta-analysis of brain structural associations with genome-wide polygenic risk for Alzheimer's disease. , 2018, , .		4
1969	Cascaded convolutional neural networks for spine chordoma tumor segmentation from MRI. , 2019, , .		3
1970	In vivo imaging of canine lung deformation: effects of posture, pneumonectomy, and inhaled erythropoietin. Journal of Applied Physiology, 2020, 128, 1093-1105.	1.2	3
1971	The intrinsic neonatal hippocampal network: rsfMRI findings. Journal of Neurophysiology, 2020, 124, 1458-1468.	0.9	5
1972	Transient enlargement of brain ventricles during relapsing-remitting multiple sclerosis and experimental autoimmune encephalomyelitis. JCI Insight, 2020, 5, .	2.3	13
1973	Haploinsufficiency of immune checkpoint receptor CTLA4 induces a distinct neuroinflammatory disorder. Journal of Clinical Investigation, 2020, 130, 5551-5561.	3.9	18
1974	18F-FDG PET-guided diffusion tractography reveals white matter abnormalities around the epileptic focus in medically refractory epilepsy: implications for epilepsy surgical evaluation. European Journal of Hybrid Imaging, 2020, 4, 10.	0.6	8
1975	Silent myelin-weighted magnetic resonance imaging. Wellcome Open Research, 2020, 5, 74.	0.9	9
1976	A wide field-of-view, modular, high-density diffuse optical tomography system for minimally constrained three-dimensional functional neuroimaging. Biomedical Optics Express, 2020, 11, 4110.	1.5	17
1977	Functional and Structural Neural Network Characterization of Serotonin Transporter Knockout Rats. PLoS ONE, 2013, 8, e57780.	1.1	14
1978	Progression of Brain Atrophy in Spinocerebellar Ataxia Type 2: A Longitudinal Tensor-Based Morphometry Study. PLoS ONE, 2014, 9, e89410.	1.1	41
1979	A Correspondence between Individual Differences in the Brain's Intrinsic Functional Architecture and the Content and Form of Self-Generated Thoughts. PLoS ONE, 2014, 9, e97176.	1.1	134
1980	Accelerating Neuroimage Registration through Parallel Computation of Similarity Metric. PLoS ONE, 2015, 10, e0136718.	1.1	7

#	Article	IF	CITATIONS
1981	Alterations of Myelin Content in Parkinson's Disease: A Cross-Sectional Neuroimaging Study. PLoS ONE, 2016, 11, e0163774.	1.1	63
1982	A Neonatal Bimodal MR-CT Head Template. PLoS ONE, 2017, 12, e0166112.	1.1	7
1983	Effects of Orientation and Anisometry of Magnetic Resonance Imaging Acquisitions on Diffusion Tensor Imaging and Structural Connectomes. PLoS ONE, 2017, 12, e0170703.	1.1	6
1984	Intensity standardisation of 7T MR images for intensity-based segmentation of the human hypothalamus. PLoS ONE, 2017, 12, e0173344.	1.1	11
1985	Childhood socioeconomic status and childhood maltreatment: Distinct associations with brain structure. PLoS ONE, 2017, 12, e0175690.	1.1	65
1986	Quantitative magnetic resonance imaging of brain atrophy in a mouse model of Niemann-Pick type C disease. PLoS ONE, 2017, 12, e0178179.	1.1	9
1987	Detailing neuroanatomical development in late childhood and early adolescence using NODDI. PLoS ONE, 2017, 12, e0182340.	1.1	94
1988	Microstructural analyses of the posterior cerebellar lobules in relapsing-onset multiple sclerosis and their implication in cognitive impairment. PLoS ONE, 2017, 12, e0182479.	1.1	11
1989	Functional lung MRI for regional monitoring of patients with cystic fibrosis. PLoS ONE, 2017, 12, e0187483.	1.1	23
1990	An unbiased template of the Drosophila brain and ventral nerve cord. PLoS ONE, 2020, 15, e0236495.	1.1	67
1991	Resting-state functional connectivity and quantitation of glutamate and GABA of the PCC/precuneus by magnetic resonance spectroscopy at 7T in healthy individuals. PLoS ONE, 2020, 15, e0244491.	1.1	8
1992	Cognitive Flexibility Improves Memory for Delayed Intentions. ENeuro, 2019, 6, ENEURO.0250-19.2019.	0.9	9
1993	<i>In Vivo</i> Diffusion Tensor Imaging in Acute and Subacute Phases of Mild Traumatic Brain Injury in Rats. ENeuro, 2020, 7, ENEURO.0476-19.2020.	0.9	15
1994	Mammillothalamic Disconnection Alters Hippocampocortical Oscillatory Activity and Microstructure: Implications for Diencephalic Amnesia. Journal of Neuroscience, 2019, 39, 6696-6713.	1.7	36
1995	Dynamic Susceptibility Contrast-MRI Quantification Software Tool: Development and Evaluation. Tomography, 2016, 2, 448-456.	0.8	7
1996	A Fully Automated Deep Learning Network for Brain Tumor Segmentation. Tomography, 2020, 6, 186-193.	0.8	50
1997	Freeze-Frame Imaging of Synaptic Activity Using SynTagMA. SSRN Electronic Journal, 0, , .	0.4	1
1998	Temporal disconnection between pain relief and trigeminal nerve microstructural changes after Gamma Knife radiosurgery for trigeminal neuralgia. Journal of Neurosurgery, 2020, 133, 727-735.	0.9	12

#	Article	IF	Citations
1999	Technical and radiographic considerations for magnetic resonance imaging–guided focused ultrasound capsulotomy. Journal of Neurosurgery, 2020, 135, 291-299.	0.9	8
2000	fslr: Connecting the FSL Software with R. R Journal, 2015, 7, 163.	0.7	33
2001	Harmonization of Brain Diffusion MRI: Concepts and Methods. Frontiers in Neuroscience, 2020, 14, 396.	1.4	70
2002	Jealousy in dogs? Evidence from brain imaging. Animal Sentience, 2018, 3, .	0.3	9
2003	Functional topography of the human entorhinal cortex. ELife, 2015, 4, .	2.8	161
2004	The effect of perinatal brain injury on dopaminergic function and hippocampal volume in adult life. ELife, 2017, 6, .	2.8	26
2005	Functionally defined white matter of the macaque monkey brain reveals a dorso-ventral attention network. ELife, 2019, 8, .	2.8	43
2006	Chronology-based architecture of descending circuits that underlie the development of locomotor repertoire after birth. ELife, 2019, 8, .	2.8	54
2007	Brain-wide cellular resolution imaging of Cre transgenic zebrafish lines for functional circuit-mapping. ELife, 2019, 8, .	2.8	57
2008	Pretectal neurons control hunting behaviour. ELife, 2019, 8, .	2.8	49
2009	Mapping the human subcortical auditory system using histology, postmortem MRI and in vivo MRI at 7T. ELife, 2019, 8, .	2.8	56
2010	In vivo assessment of the neural substrate linked with vocal imitation accuracy. ELife, 2020, 9, .	2.8	8
2011	Dynamic behavior of the locus coeruleus during arousal-related memory processing in a multi-modal 7T fMRI paradigm. ELife, 2020, 9, .	2.8	43
2012	Retrieval practice facilitates memory updating by enhancing and differentiating medial prefrontal cortex representations. ELife, 2020, 9, .	2.8	18
2013	Fine-scale computations for adaptive processing in the human brain. ELife, 2020, 9, .	2.8	9
2014	Abstract rules drive adaptation in the subcortical sensory pathway. ELife, 2020, 9, .	2.8	14
2015	Whole-brain ex-vivo quantitative MRI of the cuprizone mouse model. PeerJ, 2016, 4, e2632.	0.9	53
2016	HPCReg-Net: Unsupervised U-Net Integrating Dilated Convolution and Residual Attention for Hippocampus Registration. Lecture Notes in Computer Science, 2021, , 458-466.	1.0	1

#	Article	IF	CITATIONS
2017	Early Diagnosis of Alzheimer's Disease Using 3D Residual Attention Network Based on Hippocampal Multi-indices Feature Fusion. Lecture Notes in Computer Science, 2021, , 449-457.	1.0	1
2018	Measuring brain glucose metabolism in order to predict response to antidepressant or placebo: A randomized clinical trial. NeuroImage: Clinical, 2021, 32, 102858.	1.4	12
2019	Direct Reconstruction of Linear Parametric Images From Dynamic PET Using Nonlocal Deep Image Prior. IEEE Transactions on Medical Imaging, 2022, 41, 680-689.	5.4	21
2020	Brain Tumor Segmentation Using Deep Neural Networks and Survival Prediction. Transactions on Computational Science and Computational Intelligence, 2021, , 89-99.	0.3	1
2021	Semi-Automatic Classification of Prostate Cancer from Multi-Parametric MR Imaging Using Novel Image Sequences and 3D Convolutional Neural Networks. Journal of Clinical and Medical Images and Short Reports, 2021, 05, .	0.0	0
2022	Tauâ€Atrophy Variability Reveals Phenotypic Heterogeneity in Alzheimer's Disease. Annals of Neurology, 2021, 90, 751-762.	2.8	19
2026	Differences in executive abilities rather than associative processes contribute to memory development. Human Brain Mapping, 2021, 42, 6000-6013.	1.9	4
2027	Lack of progression of beta dynamics after longâ€term subthalamic neurostimulation. Annals of Clinical and Translational Neurology, 2021, 8, 2110-2120.	1.7	15
2028	Relationship between regional white matter hyperintensities and alpha oscillations in older adults. Neurobiology of Aging, 2022, 112, 1-11.	1.5	9
2029	MRI-based radiomics signature and clinical factor for predicting H3K27M mutation in pediatric high-grade gliomas located in the midline of the brain. European Radiology, 2022, 32, 1813-1822.	2.3	16
2032	Imaging Biomarkers in Amyotrophic Lateral Sclerosis. Neuromethods, 2022, , 507-548.	0.2	2
2033	Accurate Localization of Linear Probe Electrode Arrays across Multiple Brains. ENeuro, 2021, 8, ENEURO.0241-21.2021.	0.9	16
2035	Distinct patterns of altered quantitative T1i-and functional BOLD response associated with history of suicide attempts in bipolar disorder. Brain Imaging and Behavior, 2021, , 1.	1.1	8
2036	Distribution of electric field in patients with obsessive compulsive disorder treated with deep brain stimulation of the bed nucleus of stria terminalis. Acta Neurochirurgica, 2022, 164, 193-202.	0.9	6
2037	The association between painâ€induced autonomic reactivity and descending pain control is mediated by the periaqueductal grey. Journal of Physiology, 2021, 599, 5243-5260.	1.3	12
2038	A multi-scale unsupervised learning for deformable image registration. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 157-166.	1.7	4
2040	Dynamic Causal Modeling of the Prefrontal/Amygdala Network During Processing of Emotional Faces. Brain Connectivity, 2022, 12, 670-682.	0.8	7
2041	Subject-Specific Head Model Generation by Mesh Morphing: A Personalization Framework and Its Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 706566.	2.0	10

#	Article	IF	Citations
2044	Fetal lung development via quantitative biomarkers from diffusion MRI and histological validation in rhesus macaques. Journal of Perinatology, $2021, \ldots$	0.9	1
2045	Non-parametric MRI Brain Atlas for the Polish Population. Frontiers in Neuroinformatics, 2021, 15, 684759.	1.3	3
2047	Impaired emotion perception and categorization in semantic aphasia. Neuropsychologia, 2021, 162, 108052.	0.7	9
2049	Unsupervised Fiber Bundles Registration Using Weighted Measures Geometric Demons. Lecture Notes in Computer Science, 2013, , 95-106.	1.0	0
2050	Quantitative and Qualitative Evaluation of Selected Lung MR Image Registration Techniques. Lecture Notes in Computer Science, 2014, , 653-660.	1.0	0
2051	LINKS: Learning-Based Multi-source Integration Framework for Segmentation of Infant Brain Images. Lecture Notes in Computer Science, 2014, , 22-33.	1.0	4
2052	Impact of the Number of Atlases in a Level Set Formulation of Multi-atlas Segmentation. Lecture Notes in Computer Science, 2015, , 531-537.	1.0	0
2053	Knee Cartilage Defect Assessment using Cartilage Thickness Atlas. Journal of Biomedical Engineering Research, 2015, 36, 43-47.	0.1	0
2054	Symmetric image normalization for mouse brain magnetic resonance microscopy. , 2016, , .		3
2055	Multi-modal Registration Improves Group Discrimination in Pediatric Traumatic Brain Injury. Lecture Notes in Computer Science, 2016, 10154, 32-42.	1.0	0
2059	Tract-based spectroscopy to investigate pediatric brain trauma. , 2017, , .		0
2061	Segmentation and Classification. , 2017, , 1-2.		0
2062	A Feature Point Based Registration of Brain Microscopic Images to the Reference Brain Atlas. , 2017, , .		0
2063	Depressed Mood and Functions of Hippocampus: A High-Resolution fMRI Study. Fuansho Kenkyu, 2017, 9, 69-71.	0.1	0
2064	Multi-modal and targeted imaging improves automated mid-brain segmentation. , 2017, 10133, .		3
2078	Segmentation and Classification. , 2018, , 3104-3105.		0
2080	Functional Imbalance of Anterolateral Entorhinal Cortex and Hippocampal Dentate/CA3 Underlies Age-Related Object Pattern Separation Deficits. SSRN Electronic Journal, 0, , .	0.4	0
2084	Automatic Mouse Brain MRM Parcellation Based on Tomographic Atlas. DEStech Transactions on Biology and Health, 2018, , .	0.0	O

#	Article	IF	CITATIONS
2086	Tensor-based vs. matrix-based rank reduction in dynamic brain connectivity., 2018, , .		3
2087	Automated connectivity-based cortical mapping using registration-constrained classification. , 2018, , .		1
2102	A Case Analysis on Different Registration Methods on Multi-modal Brain Images. International Journal of Modern Education and Computer Science, 2018, 10, 41-54.	2.4	0
2112	Treatment related DTI changes in the posterior thalamic radiation in survivors of childhood posterior fossa tumors. , 2018 , , .		0
2115	Group-Wise Graph Matching of Cortical Gyral Hinges. Lecture Notes in Computer Science, 2019, , 75-83.	1.0	1
2116	Characterisation of VBM Algorithms for Processing of Medical MRI Images. Lecture Notes in Computer Science, 2019, , 443-448.	1.0	0
2117	Multi-view Graph Matching of Cortical Landmarks. Lecture Notes in Computer Science, 2019, , 84-92.	1.0	0
2118	Morphological Simplification of Brain MR Images by Deep Learning for Facilitating Deformable Registration. Lecture Notes in Computer Science, 2019, , 203-211.	1.0	0
2119	Cycle-Consistent Training for Reducing Negative Jacobian Determinant in Deep Registration Networks. Lecture Notes in Computer Science, 2019, , 120-129.	1.0	8
2120	3D Mapping of Serial Histology Sections with Anomalies Using a Novel Robust Deformable Registration Algorithm. Lecture Notes in Computer Science, 2019, , 162-173.	1.0	8
2121	Surface-Based Brain Morphometry for the Prediction of Fluid Intelligence in the Neurocognitive Prediction Challenge 2019. Lecture Notes in Computer Science, 2019, , 26-34.	1.0	1
2170	An Unsupervised Approach for 3D Medical Image Registration. , 2019, , .		1
2173	Operations-Intelligence-Strategy (OIS) Process in Healthcare. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 88-105.	0.2	0
2178	Additive Burden of Abnormal Diffusivity in the Brain with Schizophrenia: A Diffusion Tensor Imaging Study with Public Neuroimaging Data. Psychiatry Investigation, 2020, 17, 341-349.	0.7	1
2189	Mammography Registration for Unsupervised Learning Based on CC and MLO Views. , 2020, , .		1
2195	Silent myelin-weighted magnetic resonance imaging. Wellcome Open Research, 2020, 5, 74.	0.9	7
2199	Subtle alterations in neonatal neurodevelopment following early or late exposure to prenatal maternal immune activation in mice. NeuroImage: Clinical, 2021, 32, 102868.	1.4	7
2200	Simultaneous 3Dâ€TOF angiography and 4Dâ€flow MRI with enhanced flow signal using multiple overlapping thin slab acquisition and magnetization transfer. Magnetic Resonance in Medicine, 2022, 87, 1401-1417.	1.9	5

#	Article	IF	Citations
2201	A Publicly Available, High Resolution, Unbiased CT Brain Template. Communications in Computer and Information Science, 2020, , 358-366.	0.4	3
2204	Comparison of phase-resolved functional lung (PREFUL) MRI derived perfusion and ventilation parameters at 1.5T and 3T in healthy volunteers. PLoS ONE, 2020, 15, e0244638.	1.1	12
2206	An Image-based Approach for 3D Left Atrium Functional Measurements. , 2020, 47, .		3
2207	A Confidence Habitats Methodology in MR Quantitative Diffusion for the Classification of Neuroblastic Tumors. Cancers, 2020, 12, 3858.	1.7	6
2211	Blind MRI Brain Lesion Inpainting Using Deep Learning. Lecture Notes in Computer Science, 2020, , 41-49.	1.0	9
2212	Automatic quantification of white matter hyperintensities on T2-weighted fluid attenuated inversion recovery magnetic resonance imaging. Magnetic Resonance Imaging, 2022, 85, 71-79.	1.0	6
2213	Feasibility of renal perfusion quantification by Fourier decomposition MRI. Magnetic Resonance Imaging, 2022, 85, 3-9.	1.0	2
2214	An Anatomically-Informed 3D CNN for Brain Aneurysm Classification with Weak Labels. Lecture Notes in Computer Science, 2020, , 56-66.	1.0	1
2215	Accelerated Generation of Spatiotemporal Atlas through Fast Template Matching. Journal of Computer and Communications, 2020, 08, 16-27.	0.6	1
2216	Evaluating registrations of serial sections with distortions of the ground truths. IEEE Access, 2021, , 1-1.	2.6	1
2217	Resting-state functional brain connectivity for human mentalizing: biobehavioral mechanisms of theory of mind in multiple sclerosis. Social Cognitive and Affective Neuroscience, 2022, 17, 579-589.	1.5	6
2218	AdaBoosted Deep Ensembles: Getting Maximum Performance Out of Small Training Datasets. Lecture Notes in Computer Science, 2020, , 572-582.	1.0	2
2219	Overall Survival Prediction in Gliomas Using Region-Specific Radiomic Features. Lecture Notes in Computer Science, 2020, , 259-267.	1.0	1
2220	Measurement of the Volume of the Posterior Cranial Fossa Using MRI. , 2020, , 329-339.		2
2221	On Validating Multimodal MRI Based Stratification of IDH Genotype in High Grade Gliomas Using CNNs and Its Comparison to Radiomics. Lecture Notes in Computer Science, 2020, , 53-60.	1.0	2
2225	A Framework to Construct a Longitudinal DW-MRI Infant Atlas Based on Mixed Effects Modeling of dODF Coefficients. Mathematics and Visualization, 2020, 2020, 149-159.	0.4	2
2228	Automatic measurement of extra-axial CSF from infant MRI data. , 2020, 11317, .		1
2233	DeepTag: An Unsupervised Deep Learning Method for Motion Tracking on Cardiac Tagging Magnetic Resonance Images., 2021,,.		19

#	Article	IF	CITATIONS
2240	Fast learning-based registration of sparse 3D clinical images. , 2020, , .		1
2245	Anatomically constrained deformable 3D reconstruction of intraoperative uterus from preoperative MRI data on uterine fibroid treatment. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-7.	1.3	0
2246	Musical memories in newborns: A restingâ€state functional connectivity study. Human Brain Mapping, 2022, 43, 647-664.	1.9	11
2247	Global and Regional White Matter Fractional Anisotropy in Children with Chronic Kidney Disease. Journal of Pediatrics, 2022, 242, 166-173.e3.	0.9	7
2248	Associations of alcohol use, HIV infection, and age with brain white matter microstructure. Journal of NeuroVirology, 2021, 27, 936-950.	1.0	3
2249	Striatal glutamate, subcortical structure and clinical response to first-line treatment in first-episode psychosis patients. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 113, 110473.	2.5	13
2250	Association between brain structural network efficiency at term-equivalent age and early development of cerebral palsy in very preterm infants. NeuroImage, 2021, 245, 118688.	2.1	3
2253	Test-retest reproducibility of in vivo oscillating gradient and microscopic anisotropy diffusion MRI in mice at 9.4 Tesla. PLoS ONE, 2021, 16, e0255711.	1.1	5
2255	Bi-level Probabilistic Feature Learning for Deformable Image Registration., 2020,,.		14
2257	Trigeminal neuralgia diffusivities using Gaussian process classification and merged group tractography. Pain, 2021, 162, 361-371.	2.0	2
2258	Effects of age and left hemisphere lesions on audiovisual integration of speech. Brain and Language, 2020, 206, 104812.	0.8	0
2259	Cortical thickness and functional connectivity changes in Chinese chess experts. PLoS ONE, 2020, 15, e0239822.	1.1	2
2265	Adults vs. neonates: Differentiation of functional connectivity between the basolateral amygdala and occipitotemporal cortex. PLoS ONE, 2020, 15, e0237204.	1.1	5
2272	Advanced diffusion-weighted MRI metrics detect sex differences in aging among 15,000 adults in the UK Biobank. , 2020, , .		1
2273	Localized prediction of tissue outcome in acute ischemic stroke patients using diffusion- and perfusion-weighted MRI datasets. PLoS ONE, 2020, 15, e0241917.	1.1	6
2274	Estimating Local Cellular Density in Glioma Using MR Imaging Data. American Journal of Neuroradiology, 2021, 42, 102-108.	1.2	9
2275	Age-related Brain Morphological Alteration of Medication-naive Boys With High Functioning Autism. Academic Radiology, 2022, 29, S28-S35.	1.3	3
2277	The Caudate Nucleus Mediates Learning of Stimulus–Control State Associations. Journal of Neuroscience, 2017, 37, 1028-1038.	1.7	5

#	Article	IF	CITATIONS
2280	fslr: Connecting the FSL Software with R. R Journal, 2015, 7, 163-175.	0.7	18
2283	Orienting Attention to Short-Term Memory Representations via Sensory Modality and Semantic Category Retro-Cues. ENeuro, 2020, 7, .	0.9	0
2284	Functional Dysconnectivity in Ventral Striatocortical Systems in 22q11.2 Deletion Syndrome. Schizophrenia Bulletin, 2022, 48, 485-494.	2.3	2
2285	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	3.7	18
2286	Infantile status epilepticus disrupts myelin development. Neurobiology of Disease, 2022, 162, 105566.	2.1	3
2287	New color image encryption scheme based on multi-parameter fractional discrete Tchebyshev moments and nonlinear fractal permutation method. Optics and Lasers in Engineering, 2022, 150, 106881.	2.0	64
2289	Selective Impairment of Long-Range Default Mode Network Functional Connectivity as a Biomarker for Preclinical Alzheimer's Disease in People with Down Syndrome. Journal of Alzheimer's Disease, 2022, 85, 153-165.	1.2	3
2290	Developmental differences in memory reactivation relate to encoding and inference in the human brain. Nature Human Behaviour, 2022, 6, 415-428.	6.2	11
2292	Basolateral and central amygdala orchestrate how we learn whom to trust. Communications Biology, 2021, 4, 1329.	2.0	5
2295	CHIASM, the human brain albinism and achiasma MRI dataset. Scientific Data, 2021, 8, 308.	2.4	6
2296	Genetic architecture of orbital telorism. Human Molecular Genetics, 2021, , .	1.4	1
2297	Associations between testosterone, estradiol, and androgen receptor genotype with amygdala subregions in adolescents. Psychoneuroendocrinology, 2022, 137, 105604.	1.3	3
2299	T1/T2 ratio: A quantitative sensitive marker of brain tissue integrity in multiple sclerosis. Journal of Neuroimaging, 2022, 32, 328-336.	1.0	5
2300	Phaseâ€dependent local brain states determine the impact of imageâ€guided TMS on motor network EEG synchronization. Journal of Physiology, 2021, , .	1.3	7
2301	Reconstructing the nasal septum from instrument motion during septoplasty surgery. Journal of Medical Imaging, 2021, 8, 065001.	0.8	0
2302	An extended Human Connectome Project multimodal parcellation atlas of the human cortex and subcortical areas. Brain Structure and Function, 2022, 227, 763-778.	1.2	51
2303	Standardizing workflows in imaging transcriptomics with the abagen toolbox. ELife, 2021, 10 , .	2.8	140
2304	Effects of prismatic adaptation on balance and postural disorders in patients with chronic right stroke: protocol for a multicentre double-blind randomised sham-controlled trial. BMJ Open, 2021, 11, e052086.	0.8	2

#	Article	IF	CITATIONS
2305	Mapping delusions of space onto a structural disconnectome that decouples familiarity and place networks. Cortex, 2022, 146, 250-260.	1.1	3
2307	A strategy to reduce the sensitivity of inhomogeneous magnetization transfer (ihMT) imaging to radiofrequency transmit field variations at 3 T. Magnetic Resonance in Medicine, 2022, 87, 1346-1359.	1.9	6
2309	Unveiling wholeâ€brain dynamics in normal aging through Hidden Markov Models. Human Brain Mapping, 2022, 43, 1129-1144.	1.9	10
2310	Opposing white matter microstructure abnormalities in 22q11.2 deletion and duplication carriers. Translational Psychiatry, 2021, 11, 580.	2.4	4
2311	Population-specific brain [18F]-FDG PET templates of Chinese subjects for statistical parametric mapping. Scientific Data, 2021, 8, 305.	2.4	6
2312	Lesion-symptom mapping with NIHSS sub-scores in ischemic stroke patients. Stroke and Vascular Neurology, 2022, 7, 124-131.	1.5	8
2313	Effect of data leakage in brain MRI classification using 2D convolutional neural networks. Scientific Reports, 2021, 11, 22544.	1.6	40
2314	Stimulation of the ventral tegmental area induces visual cortical plasticity at the neuronal level. Cell Reports, 2021, 37, 109998.	2.9	7
2315	Diffusion Tensor Imaging Correlates of Resilience Following Adolescent Traumatic Brain Injury. Cognitive and Behavioral Neurology, 2021, 34, 259-274.	0.5	4
2316	Radiomic Features Associated with Extent of Resection in Glioma Surgery. Acta Neurochirurgica Supplementum, 2022, 134, 341-347.	0.5	1
2317	Development and Practical Implementation of a Deep Learning–Based Pipeline for Automated Pre- and Postoperative Glioma Segmentation. American Journal of Neuroradiology, 2021, , .	1.2	5
2318	What can 7T sodium MRI tell us about cellular energy depletion and neurotransmission in Alzheimer's disease?. Alzheimer's and Dementia, 2021, 17, 1843-1854.	0.4	6
2319	Introduction to Deep Learning in Clinical Neuroscience. Acta Neurochirurgica Supplementum, 2022, 134, 79-89.	0.5	2
2320	Structural connectivity-based segmentation of the human entorhinal cortex. NeuroImage, 2021, 245, 118723.	2.1	14
2321	Task effects on functional connectivity measures after stroke. Experimental Brain Research, 2021, , 1.	0.7	3
2323	A Review of Tools Applied in Processing of Medical Images. , 2021, , 42-49.		1
2324	Diffusion MRI harmonization enables joint-analysis of multicentre data of patients with cerebral small vessel disease. NeuroImage: Clinical, 2021, 32, 102886.	1.4	4
2325	Unsupervised Landmark Detection-Based Spatiotemporal Motion Estimation for 4-D Dynamic Medical Images. IEEE Transactions on Cybernetics, 2023, 53, 3532-3545.	6.2	2

#	Article	IF	CITATIONS
2326	Stimulus-Effector Associations Modulate Activity in Early Visual Cortex of Monkeys. SSRN Electronic Journal, $0, \ldots$	0.4	2
2328	Age-dependent brain morphometry in Major Depressive disorder. NeuroImage: Clinical, 2022, 33, 102924.	1.4	5
2329	Free-water diffusion tensor imaging detects occult periependymal abnormality in the AQP4-lgG-seropositive neuromyelitis optica spectrum disorder. Scientific Reports, 2022, 12, 512.	1.6	1
2330	Longitudinal brain atlases of early developing cynomolgus macaques from birth to 48 months of age. Neurolmage, 2022, 247, 118799.	2.1	4
2331	White matter markers and predictors for subject-specific rTMS response in major depressive disorder. Journal of Affective Disorders, 2022, 299, 207-214.	2.0	13
2332	Medical image registration using unsupervised deep neural network: A scoping literature review. Biomedical Signal Processing and Control, 2022, 73, 103444.	3.5	19
2333	Development and evaluation of a high resolution 0.5mm isotropic T1-weighted template of the older adult brain. Neurolmage, 2022, 248, 118869.	2.1	6
2334	A protocol for working with open-source neuroimaging datasets. STAR Protocols, 2022, 3, 101077.	0.5	0
2335	Transitively Consistent and Unbiased Multi-Image Registration using Numerically Stable Transformation Synchronisation., 2015, , .		0
2336	Sex Differences in the Association of Household Income with Amygdala Volume. Caspian Journal of Neurological Sciences, 2020, 6, 233-243.	0.1	0
2337	Orienting Attention to Short-Term Memory Representations via Sensory Modality and Semantic Category Retro-Cues. ENeuro, 2020, 7, ENEURO.0018-20.2020.	0.9	3
2338	Frontal Corticostriatal Functional Connectivity Reveals Task Positive and Negative Network Dysregulation in Relation to Adhd, Sex, and Inhibitory Control. SSRN Electronic Journal, 0, , .	0.4	0
2340	Tractography-Based Surgical Targeting for Thalamic Deep Brain Stimulation: A Comparison of Probabilistic vs Deterministic Fiber Tracking of the Dentato-Rubro-Thalamic Tract. Neurosurgery, 2022, 90, 419-425.	0.6	7
2341	Deep brain stimulation for extreme behaviors associated with autism spectrum disorder converges on a common pathway: a systematic review and connectomic analysis. Journal of Neurosurgery, 2022, , 1-10.	0.9	10
2342	Age-related differences in white matter microstructure measured by advanced diffusion MRI in healthy older adults at risk for Alzheimer's disease. Aging Brain, 2022, 2, 100030.	0.7	10
2343	Jointly estimating parametric maps of multiple diffusion models from undersampled qâ€space data: A comparison of three deep learning approaches. Magnetic Resonance in Medicine, 2022, 87, 2957-2971.	1.9	2
2345	Brain Connectivity Changes in Post-Concussion Syndrome as the Neural Substrate of a Heterogeneous Syndrome. Brain Connectivity, 2022, , .	0.8	2
2346	Pten haploinsufficiency causes desynchronized growth of brain areas involved in sensory processing. IScience, 2022, 25, 103796.	1.9	5

#	Article	IF	CITATIONS
2347	Untapped Neuroimaging Tools for Neuro-Oncology: Connectomics and Spatial Transcriptomics. Cancers, 2022, 14, 464.	1.7	9
2348	TransDIR: Deformable imaging registration network based on transformer to improve the feature extraction ability. Medical Physics, 2022, 49, 952-965.	1.6	3
2349	A speech planning network for interactive language use. Nature, 2022, 602, 117-122.	13.7	42
2350	Local aortic aneurysm wall expansion measured with automated image analysis. JVS Vascular Science, 2022, 3, 48-63.	0.4	2
2351	Seeing the Forest and Its Trees Together: Implementing 3D Light Microscopy Pipelines for Cell Type Mapping in the Mouse Brain. Frontiers in Neuroanatomy, 2021, 15, 787601.	0.9	11
2352	Pre- and Posttherapy Risk Factors for Vasculopathy in Pediatric Patients With Craniopharyngioma Treated With Surgery and Proton Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2022, 113, 152-160.	0.4	6
2353	Predictive coding during action observation – A depth-resolved intersubject functional correlation study at 7T. Cortex, 2022, 148, 121-138.	1.1	7
2355	<scp>mGluR₅</scp> and <scp>GABA_A</scp> receptorâ€specific parametric <scp>PET</scp> (scp> PET data processing pipeline, validation, and application. Human Brain Mapping, 2022, 43, 2148-2163.	1.9	5
2356	Automatic segmentation of deep grey nuclei using a highâ€resolution 7T magnetic resonance imaging atlasâ€"Quantification of T1 values in healthy volunteers. European Journal of Neuroscience, 2022, 55, 438-460.	1.2	3
2358	Disrupted stepwise functional brain organization in overweight individuals. Communications Biology, 2022, 5, 11.	2.0	5
2359	Regional uptakes from early-frame amyloid PET and 18F-FDG PET scans are comparable independent of disease state. European Journal of Hybrid Imaging, 2022, 6, 2.	0.6	8
2360	MEDAS: an open-source platform as a service to help break the walls between medicine and informatics. Neural Computing and Applications, 2022, 34, 6547-6567.	3.2	4
2361	Age-Specific Adult Rat Brain MRI Templates and Tissue Probability Maps. Frontiers in Neuroinformatics, 2021, 15, 669049.	1.3	5
2362	Normal Retinotopy in Primary Visual Cortex in a Congenital Complete Unilateral Lesion of Lateral Geniculate Nucleus in Human: A Case Study. International Journal of Molecular Sciences, 2022, 23, 1055.	1.8	2
2363	Enhancing cognitive restructuring with concurrent fMRI-guided neurostimulation for emotional dysregulation–A randomized controlled trial. Journal of Affective Disorders, 2022, 301, 378-389.	2.0	8
2365	Exercise Increases Bone in SEIPIN Deficient Lipodystrophy, Despite Low Marrow Adiposity. Frontiers in Endocrinology, 2021, 12, 782194.	1.5	2
2366	MDRegâ€Net: Multiâ€resolution diffeomorphic image registration using fully convolutional networks with deep selfâ€supervision. Human Brain Mapping, 2022, 43, 2218-2231.	1.9	11
2367	Patient-Reported Outcome Severity and Emotional Salience Network Disruption in Multiple Sclerosis. Brain Imaging and Behavior, 2022, 16, 1252-1259.	1.1	3

#	Article	IF	Citations
2368	Microstructural changes in prodromal dementia with Lewy bodies compared to normal ageing: Multiparametric quantitative MRI evidences. European Journal of Neuroscience, 2022, 55, 611-623.	1.2	1
2369	Human brain activity and functional connectivity as memories age from one hour to one month. Cognitive Neuroscience, 2022, 13, 115-133.	0.6	15
2370	Cerebral blood flow is lower in youth with type 2 diabetes compared to obese controls: A pilot study. Pediatric Diabetes, 2022, 23, 291-300.	1.2	4
2371	Structural disconnection of the posterior medial frontal cortex reduces speech error monitoring. NeuroImage: Clinical, 2022, 33, 102934.	1.4	3
2372	Brain tumor IDH, $1p/19q$, and MGMT molecular classification using MRI-based deep learning: an initial study on the effect of motion and motion correction. Journal of Medical Imaging, 2022, 9, 016001.	0.8	2
2375	Personalized Connectome-Based Modeling in Patients with Semi-Acute Phase TBI: Relationship to Acute Neuroimaging and 6 Month Follow-Up. ENeuro, 2022, 9, ENEURO.0075-21.2022.	0.9	6
2376	Metabolic abnormalities in the basal ganglia and cerebellum in bipolar disorder: A multi-modal MR study. Journal of Affective Disorders, 2022, 301, 390-399.	2.0	8
2377	1H MR spectroscopy biomarkers of neuronal and synaptic function are associated with tau deposition in cognitively unimpaired older adults. Neurobiology of Aging, 2022, 112, 16-26.	1.5	9
2378	Deep brain stimulation electrode modeling in rats. Experimental Neurology, 2022, 350, 113978.	2.0	4
2379	Locus coeruleus integrity is related to tau burden and memory loss in autosomal-dominant Alzheimer's disease. Neurobiology of Aging, 2022, 112, 39-54.	1.5	49
2380	Artificial Intelligence in Biomedical Image Processing. , 2022, , 147-188.		3
2383	Improved accuracy and precision with threeâ€parameter simultaneous myocardial T ₁ and T ₂ mapping using multiparametric SASHA. Magnetic Resonance in Medicine, 2022, 87, 2775-2791.	1.9	13
2384	Effects of white matter hyperintensities distribution and clustering on late-life cognitive impairment. Scientific Reports, 2022, 12, 1955.	1.6	7
2385	Differential Contributions of Ventral Striatum Subregions to the Motivational and Hedonic Components of the Affective Processing of Reward. Journal of Neuroscience, 2022, 42, 2716-2728.	1.7	15
2386	An efficient magnetic resonance image data quality screening dashboard. Journal of Applied Clinical Medical Physics, 2022, 23, e13557.	0.8	3
2387	Structural connectivity associated with the sense of body ownership: a diffusion tensor imaging and disconnection study in patients with bodily awareness disorder. Brain Communications, 2022, 4, fcac032.	1.5	12
2388	Faster and Better: How Anomaly Detection Can Accelerate and Improve Reporting of Head Computed Tomography. Diagnostics, 2022, 12, 452.	1.3	4
2389	White matter damage due to vascular, tau, and TDP-43 pathologies and its relevance to cognition. Acta Neuropathologica Communications, 2022, 10, 16.	2.4	14

#	Article	IF	CITATIONS
2390	Bayesian Spatial Binary Regression for Label Fusion in Structural Neuroimaging. Journal of the American Statistical Association, 0 , , $1\text{-}14$.	1.8	0
2391	Cortical neural dynamics unveil the rhythm of natural visual behavior in marmosets. Communications Biology, 2022, 5, 108.	2.0	12
2392	Automated Extraction of Anatomical Measurements From Temporal Bone CT Imaging. Otolaryngology - Head and Neck Surgery, 2022, 167, 731-738.	1.1	3
2396	Joint MRI T1 Unenhancing and Contrast-enhancing Multiple Sclerosis Lesion Segmentation with Deep Learning in OPERA Trials. Radiology, 2022, 302, 662-673.	3.6	7
2397	Rapid processing and quantitative evaluation of structural brain scans for adaptive multimodal imaging. Human Brain Mapping, 2022, 43, 1749-1765.	1.9	5
2398	A massive 7T fMRI dataset to bridge cognitive neuroscience and artificial intelligence. Nature Neuroscience, 2022, 25, 116-126.	7.1	129
2399	Case Report: No Evidence of Intracranial Fluid Shifts in an Astronaut Following an Aborted Launch. Frontiers in Neurology, 2021, 12, 774805.	1.1	4
2400	Electrophysiological confrontation of Lead-DBS-based electrode localizations in patients with Parkinson's disease undergoing deep brain stimulation. NeuroImage: Clinical, 2022, 34, 102971.	1.4	7
2401	Metabolic and functional connectivity provide unique and complementary insights into cognition-connectome relationships. Cerebral Cortex, 2023, 33, 1476-1488.	1.6	4
2402	Super-Resolution Reconstruction of 3T-Like Images From 0.35T MRI Using a Hybrid Attention Residual Network. IEEE Access, 2022, 10, 32810-32821.	2.6	4
2403	Bifocal emotion regulation through acupoint tapping in fear of flying. Neurolmage: Clinical, 2022, 34, 102996.	1.4	5
2404	Diffusion-based microstructure models in brain tumours: Fitting in presence of a model-microstructure mismatch. Neurolmage: Clinical, 2022, 34, 102968.	1.4	0
2405	Toward Computing Cross-Modality Symmetric Non-Rigid Medical Image Registration. IEEE Access, 2022, 10, 24528-24539.	2.6	12
2406	Localized Statistical Shape Models for Large-Scale Problems With Few Training Data. IEEE Transactions on Biomedical Engineering, 2022, 69, 2947-2957.	2.5	1
2407	Simultaneous brain tumor segmentation and molecular profiling using deep learning and T2w magnetic resonance images., 2022,, 57-79.		0
2408	Deformation-based morphometry identifies deep brain structures protected by ocrelizumab. Neurolmage: Clinical, 2022, 34, 102959.	1.4	0
2409	A novel computer adaptive word list memory test optimized for remote assessment: Psychometric properties and associations with neurodegenerative biomarkers in older women without dementia. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12299.	1,2	8
2410	Brain-wide visual habituation networks in wild type and fmr $1\ zebrafish$. Nature Communications, 2022, 13, 895.	5.8	17

#	Article	IF	CITATIONS
2412	Power signatures of habenular neuronal signals in patients with bipolar or unipolar depressive disorders correlate with their disease severity. Translational Psychiatry, 2022, 12, 72.	2.4	9
2413	Avoiding data loss: Synthetic MRIs generated from diffusion imaging can replace corrupted structural acquisitions for freesurfer-seeded tractography. PLoS ONE, 2022, 17, e0247343.	1.1	2
2414	Convolutional Neural Networks Enable Robust Automatic Segmentation of the Rat Hippocampus in MRI After Traumatic Brain Injury. Frontiers in Neurology, 2022, 13, 820267.	1.1	8
2415	Statistical Atlases and Automatic Labeling Strategies to Accelerate the Analysis of Social Insect Brain Evolution. Frontiers in Ecology and Evolution, 2022, 9, .	1.1	2
2417	Test–Retest Reproducibility of In Vivo Magnetization Transfer Ratio and Saturation Index in Mice at 9.4 Tesla. Journal of Magnetic Resonance Imaging, 2022, 56, 893-903.	1.9	1
2419	Cholinergic and hippocampal systems facilitate cross-domain cognitive recovery after stroke. Brain, 2022, 145, 1698-1710.	3.7	9
2420	Whole-brain opto-fMRI map of mouse VTA dopaminergic activation reflects structural projections with small but significant deviations. Translational Psychiatry, 2022, 12, 60.	2.4	13
2421	Automated 3D Fetal Brain Segmentation Using an Optimized Deep Learning Approach. American Journal of Neuroradiology, 2022, 43, 448-454.	1.2	20
2423	Differential effects of early or late exposure to prenatal maternal immune activation on mouse embryonic neurodevelopment. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2114545119.	3.3	21
2424	Global Brain Functional Network Connectivity in Infants With Prenatal Opioid Exposure. Frontiers in Pediatrics, 2022, 10, 847037.	0.9	15
2427	The Digital Brain Bank, an open access platform for post-mortem imaging datasets. ELife, 2022, 11, .	2.8	22
2428	Personalizing Deep Brain Stimulation Using Advanced Imaging Sequences. Annals of Neurology, 2022, 91, 613-628.	2.8	22
2429	Improving Imaging of the Brainstem and Cerebellum in Autistic Children: Transformation-Based High-Resolution Diffusion MRI (TiDi-Fused) in the Human Brainstem. Frontiers in Integrative Neuroscience, 2022, 16, 804743.	1.0	4
2430	Reproducible brain-wide association studies require thousands of individuals. Nature, 2022, 603, 654-660.	13.7	842
2435	Altered cortical microstructure in preterm infants at term-equivalent age relative to term-born neonates. Cerebral Cortex, 2023, 33, 651-662.	1.6	6
2437	Pitfalls and Recommended Strategies and Metrics for Suppressing Motion Artifacts in Functional MRI. Neuroinformatics, 2022, 20, 879-896.	1.5	4
2438	Optimal deep brain stimulation sites and networks for cervical vs. generalized dystonia. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2114985119.	3.3	26
2439	MRI Characteristics of Autoimmune Encephalitis With Autoantibodies to GABAA Receptor. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	3.1	20

#	Article	IF	CITATIONS
2440	<scp>ENIGMA HALFpipe</scp> : Interactive, reproducible, and efficient analysis for restingâ€state and taskâ€based <scp>fMRI</scp> data. Human Brain Mapping, 2022, 43, 2727-2742.	1.9	23
2441	Videoâ€evoked fMRI BOLD responses are highly consistent across different data acquisition sites. Human Brain Mapping, 2022, 43, 2972-2991.	1.9	3
2442	A novel male Japanese quail structural connectivity atlas using ultra-high field diffusion MRI at 11.7ÂT. Brain Structure and Function, 2022, 227, 1577-1597.	1.2	2
2443	Tau deposition patterns are associated with functional connectivity in primary tauopathies. Nature Communications, 2022, 13, 1362.	5.8	34
2444	Locus Coeruleus magnetic resonance imaging: a comparison between native-space and template-space approach. Journal of Neural Transmission, 2022, 129, 387-394.	1.4	12
2445	Structural Connectivity of Human Inferior Colliculus Subdivisions Using in vivo and post mortem Diffusion MRI Tractography. Frontiers in Neuroscience, 2022, 16, 751595.	1.4	1
2446	In-degree centrality in a social network is linked to coordinated neural activity. Nature Communications, 2022, 13, 1118.	5.8	20
2447	The genetic basis of neurocranial size and shape across varied lab mouse populations. Journal of Anatomy, 2022, 241, 211-229.	0.9	2
2448	Neural connectivity underlying adolescent social learning in sibling dyads. Social Cognitive and Affective Neuroscience, 2022, 17, 1007-1020.	1.5	2
2449	Imaging white matter microstructure with gradientâ€echo phase imaging: Is ex vivo imaging with formalinâ€fixed tissue a good approximation of the in vivo brain?. Magnetic Resonance in Medicine, 2022, 88, 380-390.	1.9	5
2452	PET CMRglc mapping and 1H-MRS show altered glucose uptake and neurometabolic profiles in BDL rats. Analytical Biochemistry, 2022, 647, 114606.	1.1	9
2453	Interaction of the salience network, ventral attention network, dorsal attention network and default mode network in neonates and early development of the bottom-up attention system. Brain Structure and Function, 2022, 227, 1843-1856.	1.2	5
2454	Automated Differentiation of Atypical Parkinsonian Syndromes Using Brain Iron Patterns in Susceptibility Weighted Imaging. Diagnostics, 2022, 12, 637.	1.3	2
2455	Multi-Contrast MRI Image Synthesis Using Switchable Cycle-Consistent Generative Adversarial Networks. Diagnostics, 2022, 12, 816.	1.3	9
2456	Accelerated decline in white matter microstructure in subsequently impaired older adults and its relationship with cognitive decline. Brain Communications, 2022, 4, fcac051.	1.5	16
2457	Longitudinal Tau Positron Emission Tomography in Dementia with Lewy Bodies. Movement Disorders, 2022, 37, 1256-1264.	2.2	11
2458	Differential Relationships Between Brain Structure and Dual Task Walking in Young and Older Adults. Frontiers in Aging Neuroscience, 2022, 14, 809281.	1.7	6
2459	Evaluation of cerebral cortex viscoelastic property estimation with nonlinear inversion magnetic resonance elastography. Physics in Medicine and Biology, 2022, 67, 095002.	1.6	6

#	Article	IF	CITATIONS
2460	Impact of Intraventricular Septal Fiber Orientation on Cardiac Electromechanical Function. American Journal of Physiology - Heart and Circulatory Physiology, 2022, , .	1.5	5
2461	Parasagittal dural space and cerebrospinal fluid (CSF) flow across the lifespan in healthy adults. Fluids and Barriers of the CNS, 2022, 19, 24.	2.4	14
2462	Software for <scp>nonâ€parametric</scp> image registration of <scp>2â€photon</scp> imaging data. Journal of Biophotonics, 2022, 15, e202100330.	1.1	3
2464	Measuring strain in diffusion-weighted data using tagged magnetic resonance imaging. , 2022, , .		1
2465	A multi-rater comparative study of automatic target localization methods for epilepsy deep brain stimulation procedures. , 2022, , .		0
2466	A Single Model Deep Learning Approach for Alzheimer's Disease Diagnosis. Neuroscience, 2022, 491, 200-214.	1.1	17
2468	Development of a mobile low-field MRI scanner. Scientific Reports, 2022, 12, 5690.	1.6	25
2469	Frontal corticostriatal functional connectivity reveals task positive and negative network dysregulation in relation to ADHD, sex, and inhibitory control. Developmental Cognitive Neuroscience, 2022, 54, 101101.	1.9	12
2470	Short-term plasticity in the human visual thalamus. ELife, 2022, 11, .	2.8	9
2471	Widespread cortical functional disconnection in gliomas: an individual network mapping approach. Brain Communications, 2022, 4, fcac082.	1.5	17
2472	Brain Structures and Networks Underlying Treatment Response to Deep Brain Stimulation Targeting the Inferior Thalamic Peduncle in Obsessive-Compulsive Disorder. Stereotactic and Functional Neurosurgery, 2022, 100, 236-243.	0.8	5
2473	Longitudinal surface-based spatial Bayesian GLM reveals complex trajectories of motor neurodegeneration in ALS. NeuroImage, 2022, , 119180.	2.1	1
2474	Voxelwise Prediction of Recurrent High-Grade Glioma via Proximity Estimation–Coupled Multidimensional Support Vector Machine. International Journal of Radiation Oncology Biology Physics, 2022, 112, 1279-1287.	0.4	2
2475	Benchmarking common preprocessing strategies in early childhood functional connectivity and intersubject correlation fMRI. Developmental Cognitive Neuroscience, 2022, 54, 101087.	1.9	9
2476	A radiomics approach to distinguish non-contrast enhancing tumor from vasogenic edema on multi-parametric pre-treatment MRI scans for glioblastoma tumors. , 2022, , .		0
2477	Automatic classification of MRI contrasts using a deep siamese network and one-shot learning. , 2022, , .		0
2478	The medial occipital longitudinal tract supports early stage encoding of visuospatial information. Communications Biology, 2022, 5, 318.	2.0	5
2479	Lesion-preserving unpaired image-to-image translation between MRI and CT from ischemic stroke patients. , 2022, , .		1

#	Article	IF	CITATIONS
2480	A dual center and dual vendor comparison study of automated perfusionâ€weighted phaseâ€resolved functional lungÂmagnetic resonance imaging with dynamic contrastâ€enhanced magnetic resonance imaging in patients with cystic fibrosis. Pulmonary Circulation, 2022, 12, e12054.	0.8	11
2481	Time course of lesion-induced atrophy in multiple sclerosis. Journal of Neurology, 2022, 269, 4478-4487.	1.8	3
2482	A fully convolutional neural network for explainable classification of attention deficit hyperactivity disorder. , 2022, , .		4
2484	Chest radiograph registration and its application based on deep learning segmentation masks. , 2022, , .		0
2485	Sub-acute Changes on MRI Measures of Cerebral Blood Flow and Venous Oxygen Saturation in Concussed Australian Rules Footballers. Sports Medicine - Open, 2022, 8, 45.	1.3	7
2486	Persistent horizontal and vertical, MR-induced nystagmus in resting state Human Connectome Project data. Neurolmage, 2022, 255, 119170.	2.1	4
2488	Cortical asymmetries at different spatial hierarchies relate to phonological processing ability. PLoS Biology, 2022, 20, e3001591.	2.6	7
2489	Deep learningâ€based 3D MRI contrastâ€enhanced synthesis from a 2D noncontrast T2Flair sequence. Medical Physics, 2022, 49, 4478-4493.	1.6	8
2490	Mutationâ€related magnetizationâ€transfer, not axon density, drives white matter differences in premanifest Huntington disease: Evidence from in vivo ultraâ€strong gradient <scp>MRI</scp> . Human Brain Mapping, 2022, 43, 3439-3460.	1.9	5
2491	Impaired cognitive control in patients with brain tumors. Neuropsychologia, 2022, 169, 108187.	0.7	0
2492	Dual-stream pyramid registration network. Medical Image Analysis, 2022, 78, 102379.	7.0	26
2493	Structure-constrained combination-based nonlinear association analysis between incomplete multimodal imaging and genetic data for biomarker detection of neurodegenerative diseases. Medical Image Analysis, 2022, 78, 102419.	7.0	5
2494	Transcriptomic and cellular decoding of functional brain connectivity changes reveal regional brain vulnerability to pro- and anti-inflammatory therapies. Brain, Behavior, and Immunity, 2022, 102, 312-323.	2.0	7
2495	An open access resource for functional brain connectivity from fully awake marmosets. NeuroImage, 2022, 252, 119030.	2.1	23
2496	Disruption of cerebellar-cortical functional connectivity predicts balance instability in alcohol use disorder. Drug and Alcohol Dependence, 2022, 235, 109435.	1.6	4
2497	Image processing improvements afford second-generation handheld optoacoustic imaging of breast cancer patients. Photoacoustics, 2022, 26, 100343.	4.4	14
2498	An atlas of white matter anatomy, its variability, and reproducibility based on constrained spherical deconvolution of diffusion MRI. NeuroImage, 2022, 254, 119029.	2.1	23
2499	In vivo Correlation Tensor MRI reveals microscopic kurtosis in the human brain on a clinical 3T scanner. Neurolmage, 2022, 254, 119137.	2.1	11

#	Article	IF	CITATIONS
2500	Generative Adversarial Registration for Improved Conditional Deformable Templates., 2021,,.		12
2501	SC-RegNet: Unsupervised Self-Calibrated 3D Biomedical Image Registration Network. , 2021, , .		0
2502	Nonlinear registration as an effective preprocessing technique for Deep learning based classification of disease. , 2021, 2021, 3245-3250.		1
2503	Ultrasound modulation of macaque prefrontal cortex selectively alters credit assignment–related activity and behavior. Science Advances, 2021, 7, eabg7700.	4.7	27
2505	A candidate neuroimaging biomarker for detection of neurotransmission-related functional alterations and prediction of pharmacological analgesic response in chronic pain. Brain Communications, 2022, 4, fcab302.	1.5	10
2506	Embedding Functional Brain Networks in Low Dimensional Spaces Using Manifold Learning Techniques. Frontiers in Neuroinformatics, 2021, 15, 740143.	1.3	5
2507	devfOLD: a toolbox for designing age-specific fNIRS channel placement. Neurophotonics, 2021, 8, 045003.	1.7	7
2509	Alzheimer's vulnerable brain region relies on a distinct retromer core dedicated to endosomal recycling. Cell Reports, 2021, 37, 110182.	2.9	35
2510	Quantification of Sodium Relaxation Times and Concentrations as Surrogates of Proteoglycan Content of Patellar CARTILAGE at 3T MRI. Diagnostics, 2021, 11, 2301.	1.3	7
2512	Diffusion MRI metrics and their relation to dementia severity: effects of harmonization approaches. , 2021, , .		6
2513	An Unsupervised Dual Attention Method for 3D Medical Image Registration. , 2021, , .		1
2515	Loss and enhancement of layer-selective signals in geniculostriate and corticotectal pathways of adult human amblyopia. Cell Reports, 2021, 37, 110117.	2.9	9
2516	Testing the accuracy of 3D automatic landmarking via genome-wide association studies. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	2
2518	Brain White Matter Development Over the First 13 Years in Very Preterm and Typically Developing Children Based on the <i>T</i> ₁ -w/ <i>T</i> ₂ -w Ratio. Neurology, 2022, 98, .	1.5	6
2520	Changes in Cortical Activity in Stroke Survivors Undergoing Botulinum Neurotoxin Therapy for Treatment of Focal Spasticity. Frontiers in Rehabilitation Sciences, 2021, 2, .	0.5	0
2521	Systematic validation of structural brain networks in cerebral small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1020-1032.	2.4	9
2523	Revised clinical and molecular risk strata define the incidence and pattern of failure in medulloblastoma following risk-adapted radiotherapy and dose-intensive chemotherapy: results from a phase III multi-institutional study. Neuro-Oncology, 2022, 24, 1166-1175.	0.6	2
2525	Radiomics for the noninvasive prediction of the BRAF mutation status in patients with melanoma brain metastases. Neuro-Oncology, 2022, 24, 1331-1340.	0.6	17

#	Article	IF	Citations
2526	Using diffusion MRI data acquired with ultra-high gradient strength to improve tractography in routine-quality data. NeuroImage, 2021, 245, 118706.	2.1	26
2528	Customized Radiofrequency Phased-Array Coil Combining Transmit-Only, Receive-Only, and Transmit/Receive Coils for Magnetic Resonance Imaging of Visual Cortex at 7 Tesla. IEEE Access, 2022, 10, 42097-42107.	2.6	2
2529	Artificial Intelligence in Neuroimaging: Clinical Applications. Investigative Magnetic Resonance Imaging, 2022, 26, 1.	0.2	14
2530	Brain volume abnormalities and clinical outcomes following paediatric traumatic brain injury. Brain, 2022, 145, 2920-2934.	3.7	8
2531	Myelin water fraction in relation to fractional anisotropy and reading in 10-year-old children. Brain Structure and Function, 2022, 227, 2209-2217.	1.2	6
2532	Altered default mode network associated with pesticide exposure in Latinx children from rural farmworker families. NeuroImage, 2022, 256, 119179.	2.1	7
2533	TD-Net:unsupervised medical image registration network based on Transformer and CNN. Applied Intelligence, 2022, 52, 18201-18209.	3.3	11
2534	Thalamocortical functional connectivity in infants with prenatal opioid exposure correlates with severity of neonatal opioid withdrawal syndrome. Neuroradiology, 2022, 64, 1649-1659.	1.1	9
2535	Deep Brain Stimulation: Emerging Tools for Simulation, Data Analysis, and Visualization. Frontiers in Neuroscience, 2022, 16, 834026.	1.4	7
2536	Mouse models of immune dysfunction: their neuroanatomical differences reflect their anxiety-behavioural phenotype. Molecular Psychiatry, 2022, 27, 3047-3055.	4.1	1
2537	PET/MRI in the Presurgical Evaluation of Patients with Epilepsy: A Concordance Analysis. Biomedicines, 2022, 10, 949.	1.4	6
2538	Hippocampal-subfield microstructures and their relation to plasma biomarkers in Alzheimer's disease. Brain, 2022, 145, 2149-2160.	3.7	20
2539	Periventricular gradient of T1 tissue alterations in multiple sclerosis. NeuroImage: Clinical, 2022, 34, 103009.	1.4	9
2540	Resolution and b value dependent structural connectome in ex vivo mouse brain. NeuroImage, 2022, 255, 119199.	2.1	10
2541	Inter-subject registration-based one-shot segmentation with alternating union network for cardiac MRI images. Medical Image Analysis, 2022, 79, 102455.	7.0	3
2589	Cortical thickness of primary motor and vestibular brain regions predicts recovery from fall and balance directly after spaceflight. Brain Structure and Function, 2022, 227, 2073-2086.	1.2	5
2590	Centromedian thalamic deep brain stimulation for drug-resistant epilepsy: single-center experience. Journal of Neurosurgery, 2022, 137, 1591-1600.	0.9	10
2591	Six Months of Piano Training in Healthy Elderly Stabilizes White Matter Microstructure in the Fornix, Compared to an Active Control Group. Frontiers in Aging Neuroscience, 2022, 14, 817889.	1.7	12

#	Article	IF	CITATIONS
2592	Post-Processing Bias Field Inhomogeneity Correction for Assessing Background Parenchymal Enhancement on Breast MRI as a Quantitative Marker of Treatment Response. Tomography, 2022, 8, 891-904.	0.8	2
2593	Neurodevelopmental Patterns of Early Postnatal White Matter Maturation Represent Distinct Underlying Microstructure and Histology. SSRN Electronic Journal, 0, , .	0.4	0
2594	Monash DaCRA fPET-fMRI: A dataset for comparison of radiotracer administration for high temporal resolution functional FDG-PET. GigaScience, 2022, 11, .	3.3	9
2595	Graph-theoretical insights into the effects of aging on the speech production network. Cerebral Cortex, 2023, 33, 2162-2173.	1.6	2
2596	Increased brain tissue sodium concentration in Friedreich ataxia: A multimodal MR imaging study. Neurolmage: Clinical, 2022, 34, 103025.	1.4	3
2597	Structural brain connectivity in children after neonatal stroke: A whole-brain fixel-based analysis. NeuroImage: Clinical, 2022, 34, 103035.	1.4	4
2598	Efficient Diffeomorphic Image Registration using Multi-Scale Dual-Phased Learning. , 2022, , .		1
2599	Structural progression of Alzheimer's disease over decades: the MRI staging scheme. Brain Communications, 2022, 4, fcac109.	1.5	35
2600	Combining radiomics and deep convolutional neural network features from preoperative MRI for predicting clinically relevant genetic biomarkers in glioblastoma. Neuro-Oncology Advances, 2022, 4, .	0.4	22
2601	Neural Mechanisms of Facial Emotion Recognition in Autism: Distinct Roles for Anterior Cingulate and dlPFC. Journal of Clinical Child and Adolescent Psychology, 2022, 51, 323-343.	2.2	4
2602	Free-water imaging of the cholinergic basal forebrain and pedunculopontine nucleus in Parkinson's disease. Brain, 2023, 146, 1053-1064.	3.7	7
2604	Assessment of structural disconnections in gliomas: comparison of indirect and direct approaches. Brain Structure and Function, 2022, 227, 3109-3120.	1.2	5
2605	Age-dependent gray matter demyelination is associated with leptomeningeal neutrophil accumulation. JCI Insight, 2022, 7, .	2.3	5
2606	A Comprehensive Survey on Brain Tumor Diagnosis Using Deep Learning and Emerging Hybrid Techniques with Multi-modal MR Image. Archives of Computational Methods in Engineering, 2022, 29, 4871-4896.	6.0	16
2607	A pilot study of respiratory motion characterization in the abdomen using a fast volumetric 4Dâ€MRI for MRâ€guided radiotherapy. Precision Radiation Oncology, 0, , .	0.4	0
2608	Simultaneous highâ€resolution T ₂ â€weighted imaging and quantitative <scp>T</scp> ₂ mapping at low magnetic field strengths using a multiple TE and multiâ€orientation acquisition approach. Magnetic Resonance in Medicine, 2022, 88, 1273-1281.	1.9	16
2609	Unsupervised brain imaging 3D anomaly detection and segmentation with transformers. Medical Image Analysis, 2022, 79, 102475.	7.0	59
2610	Post-stroke apathy: A case series investigation of neuropsychological and lesion characteristics. Neuropsychologia, 2022, 171, 108244.	0.7	2

#	Article	IF	CITATIONS
2611	Examining the effect of chronic intranasal oxytocin administration on the neuroanatomy and behavior of three autism-related mouse models. NeuroImage, 2022, 257, 119243.	2.1	4
2612	Variability of regional glucose metabolism and the topology of functional networks in the human brain. Neurolmage, 2022, 257, 119280.	2.1	7
2613	DARQ: Deep learning of quality control for stereotaxic registration of human brain MRI to the T1w MNI-ICBM 152 template. NeuroImage, 2022, 257, 119266.	2.1	7
2615	Functional activation of insula and dorsal anterior cingulate for conflict control against larger monetary loss in young adults with subthreshold depression: a preliminary study. Scientific Reports, 2022, 12, 6956.	1.6	5
2616	Partial Differential Equation-Constrained Diffeomorphic Registration from Sum of Squared Differences to Normalized Cross-Correlation, Normalized Gradient Fields, and Mutual Information: A Unifying Framework. Sensors, 2022, 22, 3735.	2.1	0
2618	Change in Latent Gray-Matter Structural Integrity Is Associated With Change in Cardiovascular Fitness in Older Adults Who Engage in At-Home Aerobic Exercise. Frontiers in Human Neuroscience, 2022, 16, .	1.0	8
2619	Predicting age and clinical risk from the neonatal connectome. NeuroImage, 2022, 257, 119319.	2.1	11
2620	Deformable Registration Algorithm via Non-subsampled Contourlet Transform and Saliency Map. Journal of Shanghai Jiaotong University (Science), 0, , .	0.5	0
2621	Harmonisation of scanner-dependent contrast variations in magnetic resonance imaging for radiation oncology, using style-blind auto-encoders. Physics and Imaging in Radiation Oncology, 2022, 22, 115-122.	1.2	4
2622	A unique cerebellar pattern of microglia activation in a mouse model of encephalopathy of prematurity. Glia, 2022, 70, 1699-1719.	2.5	7
2623	Prediction of glioma-subtypes: comparison of performance on a DL classifier using bounding box areas versus annotated tumors. BMC Biomedical Engineering, 2022, 4, 4.	1.7	3
2624	Simulated Attack Reveals How Lesions Affect Network Properties in Poststroke Aphasia. Journal of Neuroscience, 2022, 42, 4913-4926.	1.7	2
2625	Analysis of combined clinical and diffusion basis spectrum imaging metrics to predict the outcome of chronic cervical spondylotic myelopathy following cervical decompression surgery. Journal of Neurosurgery: Spine, 2022, 37, 588-598.	0.9	2
2626	Jointâ€kabel fusion brain atlases for dementia research in Down syndrome. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, .	1.2	1
2628	Accuracy of MRI-CT registration in brain stereotactic radiotherapy: Impact of MRI acquisition setup and registration method. Zeitschrift Fur Medizinische Physik, 2022, 32, 477-487.	0.6	6
2630	Dynamics of Nigral Iron Accumulation in Parkinson's Disease: From Diagnosis to Late Stage. Movement Disorders, 2022, 37, 1654-1662.	2.2	18
2631	Reducing the Gibbs effect in multimodal medical imaging by the Fake Nodes approach. Journal of Computational Mathematics and Data Science, 2022, 4, 100040.	1.3	1
2632	Tractography-Based Navigated TMS Language Mapping Protocol. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
2633	Machine learning-based prediction of motor status in glioma patients using diffusion MRI metrics along the corticospinal tract. Brain Communications, 2022, 4, .	1.5	3
2634	Limbic-predominant age-related TDP-43 encephalopathy neuropathological change (LATE-NC) is associated with lower R2 relaxation rate: an ex-vivo MRI and pathology investigation. Neurobiology of Aging, 2022, 117, 128-138.	1.5	4
2635	Hyper-Reflecting Foci in Multiple Sclerosis Retina Associate With Macrophage/Microglia-Derived Cytokines in Cerebrospinal Fluid. Frontiers in Immunology, 2022, 13, .	2.2	8
2638	Retinal Hyperreflecting Foci Associate With Cortical Pathology in Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	3.1	8
2639	MusMorph, a database of standardized mouse morphology data for morphometric meta-analyses. Scientific Data, 2022, 9, .	2.4	3
2640	In vivo structural connectome of arousal and motor brainstem nuclei by 7 Tesla and 3 Tesla MRI. Human Brain Mapping, 2022, 43, 4397-4421.	1.9	5
2643	Multimodal data fusion of cortical-subcortical morphology and functional network connectivity in psychotic spectrum disorder. NeuroImage: Clinical, 2022, 35, 103056.	1.4	5
2644	Spatial signatures of anesthesia-induced burst-suppression differ between primates and rodents. ELife, 0, 11, .	2.8	8
2645	A Structural Atlas of the Developing Zebrafish Telencephalon Based on Spatially-Restricted Transgene Expression. Frontiers in Neuroanatomy, 2022, 16, .	0.9	4
2646	Anxiety-Related Frontocortical Activity Is Associated With Dampened Stressor Reactivity in the Real World. Psychological Science, 2022, 33, 906-924.	1.8	10
2649	Vendorâ€neutral sequences and fully transparent workflows improve interâ€vendor reproducibility of quantitative <scp>MRI</scp> . Magnetic Resonance in Medicine, 2022, 88, 1212-1228.	1.9	17
2650	Gradient Patterns of Age-Related Diffusivity Changes in Cerebral White Matter. Frontiers in Neurology, 0, 13, .	1.1	3
2651	The developing brain structural and functional connectome fingerprint. Developmental Cognitive Neuroscience, 2022, 55, 101117.	1.9	5
2652	The functional and structural associations of aberrant microglial activity in major depressive disorder. Journal of Psychiatry and Neuroscience, 2022, 47, E197-E208.	1.4	8
2653	NPBDREG: Uncertainty assessment in diffeomorphic brain MRI registration using a non-parametric Bayesian deep-learning based approach. Computerized Medical Imaging and Graphics, 2022, 99, 102087.	3.5	6
2654	Selective Prefrontal–Amygdala Circuit Interactions Underlie Social and Nonsocial Valuation in Rhesus Macaques. Journal of Neuroscience, 2022, 42, 5593-5604.	1.7	5
2655	Different Profiles of Spatial Navigation Deficits In Alzheimer's Disease Biomarker-Positive Versus Biomarker-Negative Older Adults With Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 0, 14, .	1.7	11
2657	Causal structure discovery identifies risk factors and early brain markers related to evolution of white matter hyperintensities. Neurolmage: Clinical, 2022, 35, 103077.	1.4	8

#	Article	IF	CITATIONS
2659	Modulation of Beta Oscillations in the Pallidum During Externally Cued Gait. Frontiers in Signal Processing, 0, 2, .	1.2	0
2660	Voxelâ€wise intermodal coupling analysis of two or more modalities using local covariance decomposition. Human Brain Mapping, 2022, 43, 4650-4663.	1.9	4
2663	Symmetric Diffeomorphic Image Registration with Multi-Label Segmentation Masks. Mathematics, 2022, 10, 1946.	1.1	2
2664	Mediation of Tremor Control by the Decussating and Nondecussating Part of the Dentato-Rubro-Thalamic Tract in Deep Brain Stimulation in Essential Tremor: Which Part Should Be Stimulated?. Neuromodulation, 2023, 26, 1668-1679.	0.4	4
2666	Changes in working memory brain activity and task-based connectivity after long-duration spaceflight. Cerebral Cortex, 2023, 33, 2641-2654.	1.6	6
2667	Association between resting-state functional brain connectivity and gene expression is altered in autism spectrum disorder. Nature Communications, 2022, 13, .	5.8	12
2668	The role of disconnection in explaining disability in multiple sclerosis. European Radiology Experimental, 2022, 6, .	1.7	3
2670	Alzheimer's Disease-Related Genes Identified by Linking Spatial Patterns of Pathology and Gene Expression. Frontiers in Neuroscience, 0, 16, .	1.4	2
2671	Individual differences in frontoparietal plasticity in humans. Npj Science of Learning, 2022, 7, .	1.5	2
2673	Effects of White-Matter Tract Length in Sport-Related Concussion: A Tractography Study from the NCAA-DoD CARE Consortium. Journal of Neurotrauma, 2022, 39, 1495-1506.	1.7	2
2674	Brain disconnectome mapping derived from white matter lesions and serum neurofilament light levels in multiple sclerosis: A longitudinal multicenter study. NeuroImage: Clinical, 2022, 35, 103099.	1.4	8
2675	Multi-Intensity Optimization-Based CT and Cone Beam CT Image Registration. Electronics (Switzerland), 2022, 11, 1862.	1.8	2
2676	Swallowing function in the chronic stage following stroke is associated with white matter integrity of the callosal tract between the interhemispheric S1 swallowing representation areas. NeuroImage: Clinical, 2022, , 103093.	1.4	4
2677	Aberrant impulse control circuitry in obesity. Molecular Psychiatry, 2022, 27, 3374-3384.	4.1	6
2679	Interpersonal Family Dynamics Relate to Hippocampal CA Subfield Structure. Frontiers in Neuroscience, 0, 16 , .	1.4	2
2680	ASLPrep: a platform for processing of arterial spin labeled MRI and quantification of regional brain perfusion. Nature Methods, 2022, 19, 683-686.	9.0	13
2681	Neural circuit pathology driven by Shank3 mutation disrupts social behaviors. Cell Reports, 2022, 39, 110906.	2.9	24
2683	Multisite Reproducibility of QSM and R ₂ * in Deep Gray Matter at 3T Using Locallyâ€Optimized Sequences in 24 Traveling Heads. NMR in Biomedicine, 0, , .	1.6	2

#	Article	IF	CITATIONS
2684	Deep residual-SVD network for brain image registration. Physics in Medicine and Biology, 0, , .	1.6	1
2686	Residential green space and air pollution are associated with brain activation in a social-stress paradigm. Scientific Reports, 2022, 12, .	1.6	8
2688	Structural connectivity and intelligence in brain-injured children. Neuropsychologia, 2022, 173, 108285.	0.7	1
2689	Overnight unilateral withdrawal of thalamic deep brain stimulation to identify reversibility of gait disturbances. Experimental Neurology, 2022, 355, 114135.	2.0	1
2690	Functional connectomes become more longitudinally self-stable, but not more distinct from others, across early childhood. Neurolmage, 2022, 258, 119367.	2.1	3
2691	Unsupervised Domain Adaptation forÂVestibular Schwannoma andÂCochlea Segmentation viaÂSemi-supervised Learning andÂLabel Fusion. Lecture Notes in Computer Science, 2022, , 529-539.	1.0	3
2693	Waveform detection by deep learning reveals multi-area spindles that are selectively modulated by memory load. ELife, 0, 11 , .	2.8	1
2695	Smartphone-based photogrammetry provides improved localization and registration of scalp-mounted neuroimaging sensors. Scientific Reports, 2022, 12, .	1.6	14
2696	Are We There Yet? The Value of Deep Learning in a Multicenter Setting for Response Prediction of Locally Advanced Rectal Cancer to Neoadjuvant Chemoradiotherapy. Diagnostics, 2022, 12, 1601.	1.3	3
2698	SynthStrip: skull-stripping for any brain image. NeuroImage, 2022, 260, 119474.	2.1	56
2699	A groupwise registration and tractography framework for cardiac myofiber architecture description by diffusion MRI: An application to the ventricular junctions. PLoS ONE, 2022, 17, e0271279.	1.1	2
2700	A Hitchhiker's guide through the bioâ€image analysis software universe. FEBS Letters, 2022, 596, 2472-2485.	1.3	20
2701	Changes in the Cerebello-Thalamo-Cortical Network After Magnetic Resonance-Guided Focused Ultrasound Thalamotomy. Brain Connectivity, 2023, 13, 28-38.	0.8	4
2702	Through Thick and Thin: Baseline Cortical Volume and Thickness Predict Performance and Response to Transcranial Direct Current Stimulation in Primary Progressive Aphasia. Frontiers in Human Neuroscience, 0, 16, .	1.0	3
2705	Evaluating the rare cases of cortical vertigo using disconnectome mapping. Brain Structure and Function, 2022, 227, 3063-3073.	1.2	10
2706	Hippocampal dentate gyrus integrity revealed with ultrahigh resolution diffusion imaging predicts memory performance in older adults. Hippocampus, 2022, 32, 627-638.	0.9	3
2708	Myelin water imaging in relapsing multiple sclerosis treated with ocrelizumab and interferon beta-1a. NeuroImage: Clinical, 2022, 35, 103109.	1.4	5
2709	Visual recognition of social signals by a tectothalamic neural circuit. Nature, 2022, 608, 146-152.	13.7	30

#	Article	IF	CITATIONS
2710	Adolescent development of multiscale structural wiring and functional interactions in the human connectome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	18
2711	Mapping lesion, structural disconnection, and functional disconnection to symptoms in semantic aphasia. Brain Structure and Function, 2022, 227, 3043-3061.	1.2	9
2712	Shared and distinct white matter abnormalities in adolescent-onset schizophrenia and adolescent-onset psychotic bipolar disorder. Psychological Medicine, 2023, 53, 4707-4719.	2.7	4
2714	Age-related changes in diffuse optical tomography sensitivity profiles from childhood to adulthood. Journal of Biomedical Optics, 2022, 27, .	1.4	2
2715	DBB - A Distorted Brain Benchmark for Automatic Tissue Segmentation in Paediatric Patients. NeuroImage, 2022, 260, 119486.	2.1	5
2716	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. Wellcome Open Research, 0, 6, 109.	0.9	0
2717	Accurate image-based CSF volume calculation of the lateral ventricles. Scientific Reports, 2022, 12, .	1.6	0
2718	Statistical Shape Model of the Temporal Bone Using Segmentation Propagation. Otology and Neurotology, 2022, 43, e679-e687.	0.7	2
2720	The neuronal logic of how internal states control food choice. Nature, 2022, 607, 747-755.	13.7	14
2721	Reproducibility and repeatability of magnetic resonance imaging in dementia. Physica Medica, 2022, 101, 8-17.	0.4	4
2722	Mahalanobis distance tractometry (MaD-Tract) $\hat{a} \in \hat{a}$ a framework for personalized white matter anomaly detection applied to TBI. NeuroImage, 2022, 260, 119475.	2.1	10
2723	Inconsistencies in atlas-based volumetric measures of the human nucleus basalis of Meynert: A need for high-resolution alternatives. NeuroImage, 2022, 259, 119421.	2.1	9
2724	Development of high quality T1-weighted and diffusion tensor templates of the older adult brain in a common space. NeuroImage, 2022, 260, 119417.	2.1	4
2725	Structural connections between the noradrenergic and cholinergic system shape the dynamics of functional brain networks. NeuroImage, 2022, 260, 119455.	2.1	12
2726	Multimodal anatomy of the human forniceal commissure. Communications Biology, 2022, 5, .	2.0	0
2728	Structural disconnectome mapping of cognitive function in poststroke patients. Brain and Behavior, 2022, 12, .	1.0	6
2729	Multimodal and multicontrast image fusion via deep generative models. Information Fusion, 2022, 88, 146-160.	11.7	20
2730	Disentangling the effects of Alzheimer's and small vessel disease on white matter fibre tracts. Brain, 2023, 146, 678-689.	3.7	14

#	Article	IF	CITATIONS
2733	Time- and dose-dependent volume decreases in subcortical grey matter structures of glioma patients after radio(chemo)therapy. Clinical and Translational Radiation Oncology, 2022, 36, 99-105.	0.9	4
2734	Regional Disruption of White Matter Integrity and Network Connectivity Are Related to Cognition. Journal of Alzheimer's Disease, 2022, 89, 593-603.	1.2	1
2735	A Feasibility Study on Deep Learning Based Brain Tumor Segmentation Using 2D Ellipse Box Areas. Sensors, 2022, 22, 5292.	2.1	3
2736	The influence of insulin on anticipation and consummatory reward to food intake: A functional imaging study on healthy normal weight and overweight subjects employing intranasal insulin delivery. Human Brain Mapping, 2022, 43, 5432-5451.	1.9	1
2737	Long-term structural brain changes in adult rats after mild ischaemic stroke. Brain Communications, 2022, 4, .	1.5	1
2738	Altered neural flexibility in children with attention-deficit/hyperactivity disorder. Molecular Psychiatry, 2022, 27, 4673-4679.	4.1	12
2740	Semi-Automatic Multiparametric MR Imaging Classification Using Novel Image Input Sequences and 3D Convolutional Neural Networks. Algorithms, 2022, 15, 248.	1.2	2
2741	A diffeomorphic aging model for adult human brain from cross-sectional data. Scientific Reports, 2022, 12, .	1.6	0
2742	In vivo brain endocannabinoid metabolism is related to hippocampus glutamate and structure – a multimodal imaging study with PET, 1H-MRS, and MRI. Neuropsychopharmacology, 2022, 47, 1984-1991.	2.8	2
2743	Normative quantitative relaxation atlases for characterization of cortical regions using magnetic resonance fingerprinting. Cerebral Cortex, 2023, 33, 3562-3574.	1.6	4
2744	Delay-related activity in marmoset prefrontal cortex. Cerebral Cortex, 2023, 33, 3523-3537.	1.6	6
2745	Positron Emission Tomography reveals age-associated hypothalamic microglial activation in women. Scientific Reports, 2022, 12, .	1.6	4
2746	Association of Blood Biomarkers of Inflammation With Penumbra Consumption After Mechanical Thrombectomy in Patients With Acute Ischemic Stroke. Neurology, 2022, 99, .	1.5	5
2749	Cortical Source Analysis of the Face Sensitive N290 ERP Component in Infants at High Risk for Autism. Brain Sciences, 2022, 12, 1129.	1.1	0
2750	A multi-scale probabilistic atlas of the human connectome. Scientific Data, 2022, 9, .	2.4	7
2751	Neuropsychological and Neuroanatomical Features of Patients with Behavioral/Dysexecutive Variant Alzheimer's Disease (AD): A Comparison to Behavioral Variant Frontotemporal Dementia and Amnestic AD Groups. Journal of Alzheimer's Disease, 2022, 89, 641-658.	1.2	6
2753	Earlier Alzheimer's disease onset is associated with tau pathology in brain hub regions and facilitated tau spreading. Nature Communications, 2022, 13, .	5.8	20
2755	Multicenter clinical radiomics–integrated model based on [18F]FDG PET and multi-modal MRI predict ATRX mutation status in IDH-mutant lower-grade gliomas. European Radiology, 2023, 33, 872-883.	2.3	2

#	Article	IF	CITATIONS
2757	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. Wellcome Open Research, 0, 6, 109.	0.9	0
2758	An fMRI dataset for whole-body somatotopic mapping in humans. Scientific Data, 2022, 9, .	2.4	3
2762	Impact of chronic exposure to legacy environmental contaminants on the corpus callosum microstructure: A diffusion MRI study of Inuit adolescents. NeuroToxicology, 2022, 92, 200-211.	1.4	3
2763	Retinal ganglion cell endowment is correlated with optic tract fiber cross section, not density. NeuroImage, 2022, 260, 119495.	2.1	4
2764	Sensory system-specific associations between brain structure and balance. Neurobiology of Aging, 2022, 119, 102-116.	1.5	3
2767	Prolonged, Low-Level Exposure to the Marine Toxin, Domoic Acid, and Measures of Neurotoxicity in Nonhuman Primates. Environmental Health Perspectives, 2022, 130, .	2.8	3
2768	CLAIREâ€"Parallelized Diffeomorphic Image Registration for Large-Scale Biomedical Imaging Applications. Journal of Imaging, 2022, 8, 251.	1.7	3
2769	Early stressful experiences are associated with reduced neural responses to naturalistic emotional and social content in children. Developmental Cognitive Neuroscience, 2022, 57, 101152.	1.9	3
2770	Imaging biomarkers for early multiple system atrophy. Parkinsonism and Related Disorders, 2022, 103, 60-68.	1.1	2
2771	Edge-centric analysis of time-varying functional brain networks with applications in autism spectrum disorder. Neurolmage, 2022, 263, 119591.	2.1	15
2772	Brain myelination at 7 months of age predicts later language development. NeuroImage, 2022, 263, 119641.	2.1	7
2773	Micapipe: A pipeline for multimodal neuroimaging and connectome analysis. NeuroImage, 2022, 263, 119612.	2.1	25
2774	Dense correspondence of deformable volumetric images via deep spectral embedding and descriptor learning. Medical Image Analysis, 2022, 82, 102604.	7.0	0
2775	Blood pressure changes impact corticospinal integrity and downstream gait and balance control. Neurobiology of Aging, 2022, 120, 60-67.	1.5	1
2776	Associations between locus coeruleus MRI contrast and physiological responses to acute stress in younger and older adults. Brain Research, 2022, 1796, 148070.	1.1	3
2777	CSGAN: Synthesis-Aided Brain MRI Segmentation onÂ6-Month Infants. Lecture Notes in Computer Science, 2022, , 83-91.	1.0	0
2778	DeepRecon: Joint 2D Cardiac Segmentation andÂ3D Volume Reconstruction viaÂaÂStructure-Specific Generative Method. Lecture Notes in Computer Science, 2022, , 567-577.	1.0	6
2779	ContraReg: Contrastive Learning ofÂMulti-modality Unsupervised Deformable Image Registration. Lecture Notes in Computer Science, 2022, , 66-77.	1.0	3

#	Article	IF	CITATIONS
2780	Development and Validation of a Model Using Radiomics Features from an Apparent Diffusion Coefficient Map to Diagnose Local Tumor Recurrence in Patients Treated for Head and Neck Squamous Cell Carcinoma. Korean Journal of Radiology, 2022, 23, 1078.	1.5	3
2781	Interpretable Differential Diagnosis forÂAlzheimer's Disease andÂFrontotemporal Dementia. Lecture Notes in Computer Science, 2022, , 55-65.	1.0	5
2782	Age-Related Macular Degeneration Detection in Optical Coherence Tomography Images Using 3D Neural Networks. SSRN Electronic Journal, 0, , .	0.4	0
2783	Multi-site Normative Modeling of Diffusion Tensor Imaging Metrics Using Hierarchical Bayesian Regression. Lecture Notes in Computer Science, 2022, , 207-217.	1.0	2
2784	White matter alterations in chronic MDMA use: Evidence from diffusion tensor imaging and neurofilament light chain blood levels. NeuroImage: Clinical, 2022, 36, 103191.	1.4	9
2785	Unravelling delayed therapy escape after thalamic deep brain stimulation for essential tremor? – Additional clinical and neuroimaging evidence. NeuroImage: Clinical, 2022, 36, 103150.	1.4	1
2786	Affine Medical Image Registration with Coarse-to-Fine Vision Transformer. , 2022, , .		25
2787	Investigating the "two-hit hypothesis†Effects of prenatal maternal immune activation and adolescent cannabis use on neurodevelopment in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2023, 120, 110642.	2.5	7
2788	Image-derived Input Function in brain [$<$ sup $>$ 18 $<$ /sup $>$ F]FDG PET data: which alternatives to the carotid siphons?. , 2022, , .		1
2789	The Boston ASL Template and Simulator: Initial development and implementation. Journal of Neuroimaging, 0, , .	1.0	0
2791	Principles of gait encoding in the subthalamic nucleus of people with Parkinson's disease. Science Translational Medicine, 2022, 14, .	5.8	17
2792	Cellular Density in Adult Glioma, Estimated with MR Imaging Data and a Machine Learning Algorithm, Has Prognostic Power Approaching World Health Organization Histologic Grading in a Cohort of 1181 Patients. American Journal of Neuroradiology, 2022, 43, 1411-1417.	1.2	1
2793	Carotenoids improve the development of cerebral cortical networks in formula-fed infant macaques. Scientific Reports, 2022, 12, .	1.6	3
2794	Higher levels of myelin are associated with higher resistance against tau pathology in Alzheimer's disease. Alzheimer's Research and Therapy, 2022, 14, .	3.0	6
2797	Purkinje cell vulnerability induced by diffuse traumatic brain injury is linked to disruption of long-range neuronal circuits. Acta Neuropathologica Communications, 2022, 10, .	2.4	3
2798	<scp>DAUâ€Net</scp> : An unsupervised <scp>3D</scp> brain <scp>MRI</scp> registration model with dualâ€attention mechanism. International Journal of Imaging Systems and Technology, 0, , .	2.7	1
2799	Effects of docosahexaenoic acid and eicosapentaoic acid supplementation on white matter integrity after repetitive sub-concussive head impacts during American football: Exploratory neuroimaging findings from a pilot RCT. Frontiers in Neurology, $0,13,13$	1.1	4
2802	Distinct population and single-neuron selectivity for executive and episodic processing in human dorsal posterior cingulate. ELife, 0, 11 , .	2.8	7

#	Article	IF	CITATIONS
2803	Development of executive functionâ€relevant skills is related to both neural structure and function in infants. Developmental Science, 2022, 25, .	1.3	4
2804	A cerebellar-prepontine circuit for tonic immobility triggered by an inescapable threat. Science Advances, 2022, 8, .	4.7	2
2805	An analysis modality for vascular structures combining tissue-clearing technology and topological data analysis. Nature Communications, 2022, 13, .	5.8	7
2806	Evaluation of Sodium Relaxation Times and Concentrations in the Achilles Tendon Using MRI. International Journal of Molecular Sciences, 2022, 23, 10890.	1.8	5
2808	Frontoparietal network activation is associated with motor recovery in ischemic stroke patients. Communications Biology, 2022, 5, .	2.0	7
2809	BLENDS: Augmentation of Functional Magnetic Resonance Images for Machine Learning using Anatomically Constrained Warping. Brain Connectivity, 0, , .	0.8	0
2810	Clinically compatible subjectâ€specific dynamic parallel transmit pulse design for homogeneous fat saturation and waterâ€excitation at 7T: Proofâ€ofâ€concept for CEST MRI of the brain. Magnetic Resonance in Medicine, 2023, 89, 77-94.	1.9	2
2811	Endonasal transsphenoidal surgery for planum sphenoidale versus tuberculum sellae meningiomas. Journal of Neurosurgery, 2022, , 1-9.	0.9	0
2812	Bayesian Quantile Latent Factor on Image Regression. Structural Equation Modeling, 0, , 1-16.	2.4	0
2813	Neural computations underlying contextual processing in humans. Cell Reports, 2022, 40, 111395.	2.9	4
2814	Identifying genes associated with brain volumetric differences through tissue specific transcriptomic inference from GWAS summary data. BMC Bioinformatics, 2022, 23, .	1.2	0
2815	Mitochondrial DNA variation in Alzheimer's disease reveals a unique microprotein called SHMOOSE. Molecular Psychiatry, 2023, 28, 1813-1826.	4.1	16
2816	Time dependency of automated collateral scores in computed tomography angiography and computed tomography perfusion images in patients with intracranial arterial occlusion. Neuroradiology, 2023, 65, 313-322.	1.1	2
2817	Postnatal age-differential ASD-like transcriptomic, synaptic, and behavioral deficits in Myt1l-mutant mice. Cell Reports, 2022, 40, 111398.	2.9	9
2819	Hippocampal ripples signal contextually mediated episodic recall. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	15
2821	Dual attention network for unsupervised medical image registration based on VoxelMorph. Scientific Reports, 2022, 12, .	1.6	1
2822	A domain adaptation benchmark for T1-weighted brain magnetic resonance image segmentation. Frontiers in Neuroinformatics, 0, 16, .	1.3	2
2823	Associations of lifetime concussion history and repetitive head impact exposure with resting-state functional connectivity in former collegiate American football players: An NCAA 15-year follow-up study. PLoS ONE, 2022, 17, e0273918.	1.1	2

#	Article	IF	CITATIONS
2824	Early Childhood Development of Node Centrality in the White Matter Connectome and its Relationship to IQ at 6 years. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, , .	1.1	0
2825	Assessment of Bioenergetic Deficits in Patients With Parkinson Disease and Progressive Supranuclear Palsy Using ³¹ P-MRSI. Neurology, 2022, 99, .	1.5	5
2826	Choroid plexus perfusion and bulk cerebrospinal fluid flow across the adult lifespan. Journal of Cerebral Blood Flow and Metabolism, 2023, 43, 269-280.	2.4	12
2828	Effects of Physical Exertion on Early Changes in Blood-Based Brain Biomarkers: Implications for the Acute Point of Care Diagnosis of Concussion. Journal of Neurotrauma, 2023, 40, 693-705.	1.7	3
2829	Joint impact on attention, alertness and inhibition of lesions at a frontal white matter crossroad. Brain, 2023, 146, 1467-1482.	3.7	4
2830	Cascade connection-based channel attention network for bidirectional medical image registration. Visual Computer, 0, , .	2.5	1
2831	Improving MRIâ€based dosimetry for holmiumâ€166 transarterial radioembolization using a nonrigid image registration for voxelwise ΔR2â^—\$Delta R_2^*\$ calculation. Medical Physics, 2023, 50, 935-946.	1.6	3
2832	An Unsupervised 3D Image Registration Network for Brain MRI Deformable Registration. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-10.	0.7	1
2833	Symmetric transformer-based network for unsupervised image registration. Knowledge-Based Systems, 2022, 257, 109959.	4.0	15
2834	Reliability and similarity of resting state functional connectivity networks imaged using wearable, high-density diffuse optical tomography in the home setting. NeuroImage, 2022, 263, 119663.	2.1	7
2835	The University of California San Francisco Preoperative Diffuse Glioma MRI Dataset. Radiology: Artificial Intelligence, 2022, 4, .	3.0	16
2836	Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after traumatic brain injury. NeuroImage: Clinical, 2022, 36, 103236.	1.4	4
2837	Multi-Task Learning with High-Dimensional Noisy Images. Journal of the American Statistical Association, 2024, 119, 650-663.	1.8	2
2838	Distinct Neurodevelopmental Trajectories in Groups of Very Preterm Children Screening Positively for Autism Spectrum Conditions. Journal of Autism and Developmental Disorders, 2024, 54, 256-269.	1.7	3
2840	Montelukast reduces grey matter abnormalities and functional deficits in a mouse model of inflammation-induced encephalopathy of prematurity. Journal of Neuroinflammation, 2022, 19, .	3.1	4
2841	In vivo direct imaging of neuronal activity at high temporospatial resolution. Science, 2022, 378, 160-168.	6.0	42
2842	Transversal functional connectivity and scene-specific processing in the human entorhinal-hippocampal circuitry. ELife, $0,11,$	2.8	11
2843	Cerebral glucose changes after chemotherapy and their relation to long-term cognitive complaints and fatigue. Frontiers in Oncology, 0, 12 , .	1.3	2

#	Article	IF	Citations
2844	Changes in the geometry and robustness of diffusion tensor imaging networks: Secondary analysis from a randomized controlled trial of young autistic children receiving an umbilical cord blood infusion. Frontiers in Psychiatry, 0, 13 , .	1.3	5
2845	Effect of magnetic resonance imaging pre-processing on the performance of model-based prostate tumor probability mapping. Physics in Medicine and Biology, 0, , .	1.6	0
2846	Adolescent substance use is associated with altered brain response during processing of negative emotional stimuli. Journal of Studies on Alcohol and Drugs, 0 , , .	0.6	0
2847	Neural event segmentation of continuous experience in human infants. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	17
2849	Resting-state functional connectivity in adults with 47,XXX: a 7 Tesla MRI study. Cerebral Cortex, 0, , .	1.6	0
2850	Evaluation of image registration algorithms for 3D phaseâ€resolved functional lung ventilation magnetic resonance imaging in healthy volunteers and chronic obstructive pulmonary disease patients. NMR in Biomedicine, 2023, 36, .	1.6	3
2851	Combining sodium <scp>MRI</scp> , proton <scp>MR</scp> spectroscopic imaging, and intracerebral <scp>EEG</scp> in epilepsy. Human Brain Mapping, 2023, 44, 825-840.	1.9	7
2852	Prefrontal influences on the function of the neural circuitry underlying anxious temperament in primates. , 2023, 2, .		3
2853	FedMed-ATL: Misaligned Unpaired Cross-Modality Neuroimage Synthesis via Affine Transform Loss. , 2022, , .		2
2854	Morphological similarity of amygdala-ventral prefrontal pathways represents trait anxiety in younger and older adults. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	5
2856	Acute Hippocampal Damage as a Prognostic Biomarker for Cognitive Decline but Not for Epileptogenesis after Experimental Traumatic Brain Injury. Biomedicines, 2022, 10, 2721.	1.4	2
2857	Neurodevelopmental patterns of early postnatal white matter maturation represent distinct underlying microstructure and histology. Neuron, 2022, 110, 4015-4030.e4.	3.8	8
2858	<scp>Fastâ€spinâ€echo</scp> versus rapid <scp>gradientâ€echo</scp> for <scp>3D magnetizationâ€prepared</scp> acquisitions: Application to inhomogeneous magnetization transfer. Magnetic Resonance in Medicine, 2023, 89, 550-564.	1.9	1
2860	Embryonic ethanol exposure induces ectopic Hcrt and MCH neurons outside hypothalamus in rats and zebrafish: Role in ethanolâ€induced behavioural disturbances. Addiction Biology, 2022, 27, .	1.4	5
2861	The many layers of BOLD. The effect of hypercapnic and hyperoxic stimuli on macro- and micro-vascular compartments quantified by <i>CVR</i> , <i>M</i> , and <i>CBV</i> across cortical depth. Journal of Cerebral Blood Flow and Metabolism, 2023, 43, 419-432.	2.4	3
2862	Lack of placental neurosteroid alters cortical development and female somatosensory function. Frontiers in Endocrinology, 0, 13 , .	1.5	3
2863	Distal neuropathic pain in HIV is associated with functional connectivity patterns in default mode and salience networks. Frontiers in Pain Research, 0, 3, .	0.9	2
2865	Evaluation of tissue shrinkage after CT-guided microwave ablation in patients with liver malignancies using Jacobian determinant. International Journal of Hyperthermia, 2022, 39, 1371-1378.	1.1	0

#	Article	IF	CITATIONS
2866	Asynchronous Functional Linear Regression Models for Longitudinal Data in Reproducing Kernel Hilbert Space. Biometrics, 2023, 79, 1880-1895.	0.8	0
2867	Perivascular spaces as a marker of disease severity and neurodegeneration in patients with behavioral variant frontotemporal dementia. Frontiers in Neuroscience, 0, 16 , .	1.4	7
2869	Concurrent mapping of brain ontogeny and phylogeny within a common space: Standardized tractography and applications. Science Advances, 2022, 8, .	4.7	9
2872	DragNet: Learning-based deformable registration for realistic cardiac MR sequence generation from a single frame. Medical Image Analysis, 2023, 83, 102678.	7.0	3
2873	Performance in information processing speed is associated with parietal white matter tract integrity in multiple sclerosis. Frontiers in Neurology, 0, 13, .	1.1	1
2875	Amplitude synchronization of spontaneous activity of medial and lateral temporal gyri reveals altered thalamic connectivity in patients with temporal lobe epilepsy. Scientific Reports, 2022, 12, .	1.6	2
2876	Spatiotemporal Atlas of the Fetal Brain Depicts Cortical Developmental Gradient. Journal of Neuroscience, 2022, 42, 9435-9449.	1.7	11
2877	BMAT: An open-source BIDS managing and analysis tool. NeuroImage: Clinical, 2022, 36, 103252.	1.4	0
2878	Fusion of quantitative susceptibility maps and T1-weighted images improve brain tissue contrast in primates. Neurolmage, 2022, 264, 119730.	2.1	0
2879	An optimized protocol for assessing changes in mouse whole-brain activity using opto-fMRI. STAR Protocols, 2022, 3, 101761.	0.5	2
2880	Mapping pontocerebellar connectivity with diffusion MRI. Neurolmage, 2022, 264, 119684.	2.1	6
2881	Longitudinal prediction of motor dysfunction after stroke: a disconnectome study. Brain Structure and Function, 2022, 227, 3085-3098.	1.2	9
2882	ICAM-Reg: Interpretable Classification and Regression With Feature Attribution for Mapping Neurological Phenotypes in Individual Scans. IEEE Transactions on Medical Imaging, 2023, 42, 959-970.	5.4	6
2883	Attentionâ€deficit/hyperactivity disorder and white matter microstructure: The importance of dimensional analyses and sex differences. JCPP Advances, 0, , .	1.4	1
2884	Does Cueing Need Attention? A Pilot Study in People with Parkinson's Disease. Neuroscience, 2022, 507, 36-51.	1.1	3
2885	Neuroimaging and immunological features of neurocognitive function related to substance use in people with HIV. Journal of NeuroVirology, 2023, 29, 78-93.	1.0	5
2886	Bassoon contributes to tau-seed propagation and neurotoxicity. Nature Neuroscience, 2022, 25, 1597-1607.	7.1	23
2887	Predictive encoding of pure tones and FM-sweeps in the human auditory cortex. Cerebral Cortex Communications, 2022, 3, .	0.7	1

#	Article	IF	CITATIONS
2888	Diffusion MRI anisotropy in the cerebral cortex is determined by unmyelinated tissue features. Nature Communications, 2022 , 13 , .	5.8	8
2889	17q12 deletion syndrome mouse model shows defects in craniofacial, brain and kidney development, and glucose homeostasis. DMM Disease Models and Mechanisms, 2022, 15, .	1.2	3
2890	Mapping glioma heterogeneity using multiparametric $18F$ -choline PET/MRI in childhood and teenage-young adults. Nuclear Medicine Communications, 0 , Publish Ahead of Print, .	0.5	1
2891	Deep Learning to Simulate Contrast-enhanced Breast MRI of Invasive Breast Cancer. Radiology, 2023, 306, .	3.6	11
2893	Amyloid-associated increases in soluble tau relate to tau aggregation rates and cognitive decline in early Alzheimer $\hat{a} \in \mathbb{N}$ s disease. Nature Communications, 2022, 13, .	5.8	40
2894	Impact of lesion size on reproducibility of quantitative measurement and radiomic features in vessel wall MRI. European Radiology, 2023, 33, 2195-2206.	2.3	2
2895	Increased White Matter Coherence Following Three and Six Months of Medical Cannabis Treatment. Cannabis and Cannabinoid Research, 2022, 7, 827-839.	1.5	3
2896	Postmortem 7T MRI for guided histopathology and evaluation of cerebrovascular disease. Journal of Neuropathology and Experimental Neurology, 2022, Publish Ahead of Print, .	0.9	1
2897	Predicting the tissue outcome of acute ischemic stroke from acute 4D computed tomography perfusion imaging using temporal features and deep learning. Frontiers in Neuroscience, $0,16,.$	1.4	6
2898	Fully automated radiomics-based machine learning models for multiclass classification of single brain tumors: Glioblastoma, lymphoma, and metastasis. Journal of Neuroradiology, 2023, 50, 388-395.	0.6	3
2899	Neuroimaging and verbal memory assessment in healthy aging adults using a portable low-field MRI scanner and a web-based platform: results from a proof-of-concept population-based cross-section study. Brain Structure and Function, 2023, 228, 493-509.	1.2	3
2900	Impact of COVID-19 Related Maternal Stress on Fetal Brain Development: A Multimodal MRI Study. Journal of Clinical Medicine, 2022, 11, 6635.	1.0	3
2901	Feasibility of flow-related enhancement brain perfusion MRI. PLoS ONE, 2022, 17, e0276912.	1,1	1
2903	The Impact ofÂSusceptibility Distortion Correction Protocols onÂAdolescent Diffusion MRI Measures. Lecture Notes in Computer Science, 2022, , 50-61.	1.0	0
2904	Spectral slowing in chronic stroke reflects abnormalities in both periodic and aperiodic neural dynamics. Neurolmage: Clinical, 2023, 37, 103277.	1.4	4
2905	Increased relative biological effectiveness and periventricular radiosensitivity in proton therapy of glioma patients. Radiotherapy and Oncology, 2023, 178, 109422.	0.3	13
2906	Visuo-motor transformations in the intraparietal sulcus mediate the acquisition of endovascular medical skill. NeuroImage, 2023, 266, 119781.	2.1	0
2907	Similarity attention-based CNN for robust 3D medical image registration. Biomedical Signal Processing and Control, 2023, 81, 104403.	3.5	6

#	Article	IF	CITATIONS
2908	U-Net vs Transformer: Is U-Net Outdated inÂMedical Image Registration?. Lecture Notes in Computer Science, 2022, , 151-160.	1.0	7
2909	3T sodium MR imaging in Alzheimer's disease shows stage-dependent sodium increase influenced by age and local brain volume. NeuroImage: Clinical, 2022, 36, 103274.	1.4	1
2910	Diffusion Basis Spectrum Imaging Provides Insights Into Cervical Spondylotic Myelopathy Pathology. Neurosurgery, 2023, 92, 102-109.	0.6	4
2912	A zero-dose synthetic baseline for the personalized analysis of [18F]FDG-PET: Application in Alzheimer's disease. Frontiers in Neuroscience, 0, 16, .	1.4	1
2913	Longâ€Term Recording of Subthalamic Aperiodic Activities and Beta Bursts in Parkinson's Disease. Movement Disorders, 2023, 38, 232-243.	2.2	8
2914	Where Position Matters—Deep-Learning–Driven Normalization and Coregistration of Computed Tomography in the Postoperative Analysis of Deep Brain Stimulation. Neuromodulation, 2023, 26, 302-309.	0.4	2
2915	Human Brainstem and Cerebellum Atlas: Chemoarchitecture and Cytoarchitecture Paired to MRI. Journal of Neuroscience, 2023, 43, 221-239.	1.7	2
2916	Functional network segregation is associated with attenuated tau spreading in Alzheimer's disease. Alzheimer's and Dementia, 2023, 19, 2034-2046.	0.4	10
2918	The subcortical and neurochemical organization of the ventral and dorsal attention networks. Communications Biology, 2022, 5, .	2.0	20
2920	Visual outcomes after anterior temporal lobectomy and transsylvian selective amygdalohippocampectomy: A quantitative comparison of clinical and diffusion data. Epilepsia, 2023, 64, 705-717.	2.6	1
2921	Deep brain stimulation of the subgenual cingulum and uncinate fasciculus for the treatment of posttraumatic stress disorder. Science Advances, 2022, 8, .	4.7	7
2922	Role of interhemispheric connectivity in recovery from postoperative supplementary motor area syndrome in glioma patients. Journal of Neurosurgery, 2022, , 1-10.	0.9	6
2924	Childhood trauma, earlier pubertal timing, and psychopathology in adolescence: The role of corticolimbic development. Developmental Cognitive Neuroscience, 2023, 59, 101187.	1.9	4
2925	Integrating multimodality magnetic resonance imaging to the Allen Mouse Brain Common Coordinate Framework. NMR in Biomedicine, 2023, 36, .	1.6	1
2926	Capillary dysfunction correlates with cortical amyloid load in early Alzheimer's disease. Neurobiology of Aging, 2023, 123, 1-9.	1.5	9
2927	A unified framework for focal intensity change detection and deformable image registration. Application to the monitoring of multiple sclerosis lesions in longitudinal 3D brain MRI. , 0, 1, .		1
2928	Tractography-based navigated TMS language mapping protocol. Frontiers in Oncology, 0, 12, .	1.3	2
2929	Review of Template-Based Neuroimaging Tools in Neuro-Oncology: Novel Insights. Onco, 2023, 3, 1-12.	0.2	0

#	Article	IF	CITATIONS
2930	Face processing in the infant brain after pandemic lockdown. Developmental Psychobiology, 2023, 65, .	0.9	5
2931	Microglia-dependent excessive synaptic pruning leads to cortical underconnectivity and behavioral abnormality following chronic social defeat stress in mice. Brain, Behavior, and Immunity, 2023, 109, 23-36.	2.0	20
2932	Asymmetric signaling across the hierarchy of cytoarchitecture within the human connectome. Science Advances, 2022, 8, .	4.7	12
2933	Part-and-whole: A novel framework for deformable medical image registration. Applied Intelligence, 0,	3.3	1
2934	The gradient in gray matter thickness across auditory cortex and differential cortical thickness changes following perinatal deafness. Cerebral Cortex, 0, , .	1.6	0
2935	Enhancing learning and retention with distinctive virtual reality environments and mental context reinstatement. Npj Science of Learning, 2022, 7, .	1.5	7
2936	On the performance of multi-compartment relaxometry for myelin water imaging (MCR-MWI) – test-retest repeatability and inter-protocol reproducibility. NeuroImage, 2023, 266, 119824.	2.1	2
2937	ISLES 2022: A multi-center magnetic resonance imaging stroke lesion segmentation dataset. Scientific Data, 2022, 9, .	2.4	19
2938	Submillimeter <scp>T₁</scp> atlas for subjectâ€specific abnormality detection at <scp>7T</scp> . Magnetic Resonance in Medicine, 2023, 89, 1601-1616.	1.9	3
2939	Fully Automated Segmentation Models of Supratentorial Meningiomas Assisted by Inclusion of Normal Brain Images. Journal of Imaging, 2022, 8, 327.	1.7	1
2940	Protocol for mouse optogenetic fMRI at ultrahigh magnetic fields. STAR Protocols, 2022, 3, 101846.	0.5	5
2941	Integrated intravoxel incoherent motion tensor and diffusion tensor brain MRI in a single fast acquisition. NMR in Biomedicine, 2023, 36, .	1.6	2
2942	AMNet: Adaptive multi-level network for deformable registration of 3D brain MR images. Medical Image Analysis, 2023, 85, 102740.	7.0	5
2943	Wholeâ€brain functional gradients reveal cortical and subcortical alterations in patients with episodic migraine. Human Brain Mapping, 2023, 44, 2224-2233.	1.9	4
2944	An Unsupervised Single-Modal Medical Image Registration Algorithm Based on Deep Learning. Computer Science and Application, 2023, 13, 57-64.	0.0	0
2945	A Novel 3D-to-3D Diffeomorphic Registration Algorithm With Applications to Left Ventricle Segmentation in MR and Ultrasound Sequences. IEEE Access, 2023, 11, 3144-3159.	2.6	1
2946	Automatic veins analysis of susceptibility weighted image in hypoxic-ischaemic encephalopathy. Magnetic Resonance Imaging, 2023, , .	1.0	0
2947	Associations between Early Life Nutrient Intakes and Brain Maturation Show Developmental Dynamics from Infancy to Toddlerhood: A Neuroimaging Observation Study. Journal of Nutrition, 2023, 153, 897-908.	1.3	6

#	Article	IF	Citations
2948	<scp>sTREM2</scp> is associated with amyloidâ€related pâ€tau increases and glucose hypermetabolism in Alzheimer's disease. EMBO Molecular Medicine, 2023, 15, .	3.3	13
2949	Individual behavioral trajectories shape whole-brain connectivity in mice. ELife, 0, 12, .	2.8	8
2950	Mapping the impact of nonlinear gradient fields with noise on diffusion MRI. Magnetic Resonance Imaging, 2023, , .	1.0	1
2951	High-Resolution Motion-corrected 7.0-T MRI to Derive Morphologic Measures from the Human Cerebellum in Vivo. Radiology, 2023, 307, .	3.6	8
2952	Lesion-preserving unpaired image-to-image translation between MRI and CT from ischemic stroke patients. International Journal of Computer Assisted Radiology and Surgery, 2023, 18, 827-836.	1.7	1
2953	Immunohistochemistry and In Vivo Neural Imaging in A. mexicanus. Neuromethods, 2023, , 221-234.	0.2	0
2954	Topologically preserved registration of 3D CT images with deep networks. Physics in Medicine and Biology, 0, , .	1.6	0
2955	The neural determinants of abstract beauty. European Journal of Neuroscience, 2023, 57, 633-645.	1.2	1
2956	White matter microstructure predicts measures of clinical symptoms in chronic back pain patients. NeuroImage: Clinical, 2023, 37, 103309.	1.4	1
2957	Susceptibility Magnetic Resonance Imaging Correlates with Glial Density and Tau in the Substantia Nigra Pars Compacta. Movement Disorders, 2023, 38, 464-473.	2.2	3
2958	Aerobic exercise is associated with region-specific changes in volumetric, tensor-based, and fixel-based measures of white matter integrity in healthy older adults. NeuroImage Reports, 2023, 3, 100155.	0.5	0
2959	Lead-DBS v3.0: Mapping deep brain stimulation effects to local anatomy and global networks. NeuroImage, 2023, 268, 119862.	2.1	21
2960	Changes in perfusion, and structure of hippocampal subfields related to cognitive impairment after ECT: A pilot study using ultra high field MRI. Journal of Affective Disorders, 2023, 325, 321-328.	2.0	2
2961	Towards better interpretable and generalizable AD detection using collective artificial intelligence. Computerized Medical Imaging and Graphics, 2023, 104, 102171.	3.5	1
2962	fMRIflows: A Consortium of Fully Automatic Univariate and Multivariate fMRI Processing Pipelines. Brain Topography, 2023, 36, 172-191.	0.8	3
2964	Functional alteration due to structural damage is network dependent: insight from multiple sclerosis. Cerebral Cortex, 2023, 33, 6090-6102.	1.6	1
2965	Neuronal chemokine concentration gradients mediate effects of embryonic ethanol exposure on ectopic hypocretin/orexin neurons and behavior in zebrafish. Scientific Reports, 2023, 13, .	1.6	4
2968	SequenceMorph: A Unified Unsupervised Learning Framework for Motion Tracking on Cardiac Image Sequences. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 10409-10426.	9.7	1

#	Article	IF	CITATIONS
2969	Artificial intelligence-based locoregional markers of brain peritumoral microenvironment. Scientific Reports, 2023, 13, .	1.6	4
2970	Longitudinal changes in global structural brain connectivity and cognitive performance in former hospitalized COVID-19 survivors: an exploratory study. Experimental Brain Research, 2023, 241, 727-741.	0.7	8
2971	Shape Diffeomorphometry of Brain Structures in Neurodegeneration and Neurodevelopment. , 2023, , 2953-2974.		0
2972	Interpretable Multi-Modal Image Registration Network Based on Disentangled Convolutional Sparse Coding. IEEE Transactions on Image Processing, 2023, 32, 1078-1091.	6.0	32
2973	T ₁ /T ₂ ratio from 3T MRI improves multiple sclerosis cortical lesion contrast. Journal of Neuroimaging, 2023, 33, 434-445.	1.0	0
2974	Serum biomarkers of liver fibrosis identify globus pallidus vulnerability. NeuroImage: Clinical, 2023, 37, 103333.	1.4	3
2975	The Individualized Prediction of Neurocognitive Function in People Living with HIV Based on Clinical and Multimodal Connectome Data. IEEE Journal of Biomedical and Health Informatics, 2023, , 1-11.	3.9	1
2977	Analysis of Tongue Muscle Strain During Speech From Multimodal Magnetic Resonance Imaging. Journal of Speech, Language, and Hearing Research, 2023, 66, 513-526.	0.7	2
2978	Automated and manual segmentation of the hippocampus in human infants. Developmental Cognitive Neuroscience, 2023, 60, 101203.	1.9	4
2980	White matter microstructure in face and body networks predicts facial expression and body posture perception across development. Human Brain Mapping, 2023, 44, 2307-2322.	1.9	2
2982	Altered white matter connectivity in children with congenital heart disease with single ventricle physiology. Scientific Reports, 2023, 13, .	1.6	4
2984	Enhanced brain parcellation via abnormality inpainting for neuroimage-based consciousness evaluation of hydrocephalus patients by lumbar drainage. Brain Informatics, 2023, 10, .	1.8	1
2985	The neural representations underlying asymmetric crossâ€modal prediction of words. Human Brain Mapping, 2023, 44, 2418-2435.	1.9	1
2986	Insult to Short-range White Matter Connectivity in Childhood Brain Tumor Survivors. International Journal of Radiation Oncology Biology Physics, 2023, , .	0.4	O
2987	Alzheimer's and vascular disease classification using regional texture biomarkers in FLAIR MRI. Neurolmage: Clinical, 2023, 38, 103385.	1.4	4
2988	Age of first exposure to soccer heading: Associations with cognitive, clinical, and imaging outcomes in the Einstein Soccer Study. Frontiers in Neurology, 0, 14, .	1.1	1
2989	Cerebellar and subcortical atrophy contribute to psychiatric symptoms in frontotemporal dementia. Human Brain Mapping, 2023, 44, 2684-2700.	1.9	4
2992	Anatomy-specific acquisition-agnostic affine registration learned from fictitious images. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
2993	Using synthetic MR images for distortion correction. Developmental Cognitive Neuroscience, 2023, 60, 101234.	1.9	3
2994	Ventilation and perfusion MRI at a 0.35 T MR-Linac: feasibility and reproducibility study. Radiation Oncology, 2023, 18, .	1.2	4
2995	Comparison of neural activation models to analyze the impact of brain deformations on neural pathways during DBS procedures. , 2023, , .		0
2996	Improved sensitivity and microvascular weighting of 3T laminar fMRI with GE-BOLD using NORDIC and phase regression. Neurolmage, 2023, 271, 120011.	2.1	6
2997	Frontoparietal 18F-FDG-PET hypo-metabolism in Lennox-Gastaut syndrome: Further evidence highlighting the key network. Epilepsy Research, 2023, 192, 107131.	0.8	1
2998	CarveMix: A simple data augmentation method for brain lesion segmentation. Neurolmage, 2023, 271, 120041.	2.1	2
2999	Highâ€frequency longitudinal white matter diffusion―and myelinâ€based <scp>MRI</scp> database: Reliability and variability. Human Brain Mapping, 2023, 44, 3758-3780.	1.9	5
3001	Early infant prefrontal gray matter volume is associated with concurrent and future infant emotionality. Translational Psychiatry, 2023, 13, .	2.4	0
3002	NCCT-CECT image synthesizers and their application to pulmonary vessel segmentation. Computer Methods and Programs in Biomedicine, 2023, 231, 107389.	2.6	2
3003	United multi-task learning for abdominal contrast-enhanced CT synthesis through joint deformable registration. Computer Methods and Programs in Biomedicine, 2023, 231, 107391.	2.6	0
3004	Latent disconnectome prediction of long-term cognitive-behavioural symptoms in stroke. Brain, 2023, 146, 1963-1978.	3.7	11
3005	Reliability of Functional and Diffusion MR Imaging Near Cerebral Cavernous Malformations. American Journal of Neuroradiology, 2023, 44, 150-156.	1.2	1
3006	Topological learning for brain networks. Annals of Applied Statistics, 2023, 17, .	0.5	5
3007	Direct machine learning reconstruction of respiratory variation waveforms from resting state fMRI data in a pediatric population. NeuroImage, 2023, 269, 119904.	2.1	2
3008	Sex moderates family history of alcohol use disorder and childhood maltreatment effects on an fMRI stopâ€signal task. Human Brain Mapping, 2023, 44, 2436-2450.	1.9	4
3009	Generative Sampling in Bundle Tractography using Autoencoders (GESTA). Medical Image Analysis, 2023, 85, 102761.	7.0	4
3011	Convolution Neural Networks and Self-Attention Learners for Alzheimer Dementia Diagnosis from Brain MRI. Sensors, 2023, 23, 1694.	2.1	9
3013	Glymphatic-assisted perivascular brain delivery of intrathecal small gold nanoparticles. Journal of Controlled Release, 2023, 355, 135-148.	4.8	5

#	Article	IF	Citations
3014	Assessment of vibration modulated regional cerebral blood flow with MRI. NeuroImage, 2023, 269, 119934.	2.1	0
3015	Deep learningâ€based automatic pipeline for quantitative assessment of thigh muscle morphology and fatty infiltration. Magnetic Resonance in Medicine, 2023, 89, 2441-2455.	1.9	2
3016	Anatomical MRI staging of frontotemporal dementia variants. Alzheimer's and Dementia, 2023, 19, 3283-3294.	0.4	6
3018	A preliminary study of white matter correlates of a laboratory measure of attention and motor stability in attention-deficit/hyperactivity disorder. Journal of Psychiatric Research, 2023, 160, 110-116.	1.5	1
3019	Combining arterial blood contrast with <scp>BOLD</scp> increases <scp>fMRI</scp> intracortical contrast. Human Brain Mapping, 2023, 44, 2509-2522.	1.9	2
3023	Variability in objective sleep is associated with Alzheimer's pathology and cognition. Brain Communications, 2023, 5, .	1.5	3
3027	Cascading Affine and B-spline Registration Method for Large Deformation Registration of Lung X-rays. Journal of Digital Imaging, 2023, 36, 1262-1278.	1.6	1
3028	A longitudinal microstructural MRI dataset in healthy C57Bl/6 mice at 9.4 Tesla. Scientific Data, 2023, 10, .	2.4	1
3029	Vascular-water-exchange MRI (VEXI) enables the detection of subtle AXR alterations in Alzheimer's disease without MRI contrast agent, which may relate to BBB integrity. Neurolmage, 2023, 270, 119951.	2.1	6
3030	Parkinson's disease speech production network as determined by graph-theoretical network analysis. Network Neuroscience, 0, , 1-19.	1.4	0
3031	A single-cell resolution gene expression atlas of the larval zebrafish brain. Science Advances, 2023, 9, .	4.7	14
3032	Deep Brain Stimulation Electrode Reconstruction: Comparison between Lead-DBS and Surgical Planning System. Journal of Clinical Medicine, 2023, 12, 1781.	1.0	1
3033	Learning deep abdominal CT registration through adaptive loss weighting and synthetic data generation. PLoS ONE, 2023, 18, e0282110.	1.1	1
3034	Structural connectivity in recovery after coma: Connectome atlas approach. NeuroImage: Clinical, 2023, 37, 103358.	1.4	1
3035	Exploring structural connectomes in children with unilateral cerebral palsy using graph theory. Human Brain Mapping, 2023, 44, 2741-2753.	1.9	1
3036	Differentiating Between Us & Differentiating Between Us & Differentiating Between Us & Differentiating Psychopathology. Research on Child and Adolescent Psychopathology, 0, , .	1.4	0
3037	In Vivo Characterization of Cerebellar Peduncles in Chronic Ankle Instability: A Single and Multishell Diffusion-Weighted Imaging Study. Sports Health, 2024, 16, 38-46.	1.3	0
3038	Resting-state functional connectivity in lifelong musicians. Psychoradiology, 2023, 3, .	1.0	0

#	Article	IF	CITATIONS
3039	INSPIRE: Intensity and spatial information-based deformable image registration. PLoS ONE, 2023, 18, e0282432.	1.1	0
3040	Deep learning based brain MRI registration driven by localâ€signedâ€distance fields of segmentation maps. Medical Physics, 0, , .	1.6	0
3041	Modulation of bodily response to chill stimuli by impaired structural connectivity of the left insula: a functional and lesion quantification study in stroke patients. European Journal of Neurology, 2023, 30, 1706-1711.	1.7	3
3042	An old model with new insights: endogenous retroviruses drive the evolvement toward ASD susceptibility and hijack transcription machinery during development. Molecular Psychiatry, 2023, 28, 1932-1945.	4.1	3
3043	Using electronically delivered therapy and brain imaging to understand OCD pathology: A pilot feasibility study. Frontiers in Psychiatry, 0, 14, .	1.3	0
3044	A comprehensive characterization of hippocampal feature ensemble serves as individualized brain signature for Alzheimer's disease: deep learning analysis in 3238 participants worldwide. European Radiology, 0, , .	2.3	2
3045	Developmental and regional dependence of macromolecular proton fraction and fractional anisotropy in fixed brain tissue. NMR in Biomedicine, 0, , .	1.6	0
3046	Imaging of the meningeal lymphatic network in healthy adults: A 7T MRI study. Journal of Neuroradiology, 2023, 50, 369-376.	0.6	4
3047	Bidirectional diffeomorphic network for 3D deformable medical image registration. , 2022, , .		1
3050	Association of biological sex with clinical outcomes and biomarkers of Alzheimer's disease in adults with Down syndrome. Brain Communications, 2023, 5, .	1.5	7
3053	Sex differences in resting state functional connectivity across the first two years of life. Developmental Cognitive Neuroscience, 2023, 60, 101235.	1.9	2
3054	Recurrent network interactions explain tectal response variability and experience-dependent behavior. ELife, 0, 12, .	2.8	2
3055	Differential Laminar Activation Dissociates Encoding and Retrieval in the Human Medial and Lateral Entorhinal Cortex. Journal of Neuroscience, 2023, 43, 2874-2884.	1.7	1
3056	Identifying causal subsequent memory effects. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	3
3057	Longitudinal development of the cerebellum in human infants during the first 800Âdays. Cell Reports, 2023, 42, 112281.	2.9	1
3058	Daily artificial gravity is associated with greater neural efficiency during sensorimotor adaptation. Cerebral Cortex, 2023, 33, 8011-8023.	1.6	1
3059	Quantification approaches for magnetic resonance imaging following intravenous gadolinium injection: A window into brainâ€wide glymphatic function. European Journal of Neuroscience, 2023, 57, 1689-1704.	1.2	6
3060	Multi-arm U-Net with dense input and skip connectivity for T2 lesion segmentation in clinical trials of multiple sclerosis. Scientific Reports, 2023, 13 , .	1.6	5

#	Article	IF	CITATIONS
3061	Network Architecture of Verticality Processing in the Human Thalamus. Annals of Neurology, 2023, 94, 133-145.	2.8	5
3062	Neural correlates of gait adaptation in younger and older adults. Scientific Reports, 2023, 13, .	1.6	0
3063	Intrinsic activity development unfolds along a sensorimotor–association cortical axis in youth. Nature Neuroscience, 2023, 26, 638-649.	7.1	31
3065	Use of Support Vector Machines Approach via ComBat Harmonized Diffusion Tensor Imaging for the Diagnosis and Prognosis of Mild Traumatic Brain Injury: A CENTER-TBI Study. Journal of Neurotrauma, 2023, 40, 1317-1338.	1.7	2
3066	Generalization of cognitive maps across space and time. Cerebral Cortex, 2023, 33, 7971-7992.	1.6	3
3067	Whole-brain mapping of effective connectivity by fMRI with cortex-wide patterned optogenetics. Neuron, 2023, 111, 1732-1747.e6.	3.8	7
3068	Human understandable thyroid ultrasound imaging AI report system $\hat{a} \in$ A bridge between AI and clinicians. IScience, 2023, 26, 106530.	1.9	2
3069	The 3D Structural Architecture of the Human Hand Area Is Nontopographic. Journal of Neuroscience, 2023, 43, 3456-3476.	1.7	8
3072	DrDisco: Deep Registration for Distortion Correction of diffusion MRI with single phase-encoding. , 2023, , .		2
3073	Deep whole brain segmentation of 7T structural MRI., 2023,,.		0
3074	Layer-specific vulnerability is a mechanism of topographic map aging. Neurobiology of Aging, 2023, 128, 17-32.	1.5	6
3076	Structural plasticity of the contralesional hippocampus and its subfields in patients with glioma. European Radiology, 2023, 33, 6107-6115.	2.3	1
3078	Craniofacial Soft-Tissue Anthropomorphic Database with Magnetic Resonance Imaging and Unbiased Diffeomorphic Registration. Plastic and Reconstructive Surgery, 2024, 153, 667-677.	0.7	0
3080	Correspondence of functional connectivity gradients across human isocortex, cerebellum, and hippocampus. Communications Biology, 2023, 6, .	2.0	12
3081	Fixed Time-Point Analysis Reveals Repetitive Mild Traumatic Brain Injury Effects on Resting State Functional Magnetic Resonance Imaging Connectivity and Neuro-Spatial Protein Profiles. Journal of Neurotrauma, 2023, 40, 2037-2049.	1.7	6
3082	Stimulation of non-motor subthalamic nucleus impairs selective response inhibition via prefrontal	1.5	1
	connectivity. Brain Communications, 2023, 5, .	1.0	
3083	Big Field of View MRI T1w and FLAIR Template - NMRI225. Scientific Data, 2023, 10, .	2.4	2

#	Article	IF	CITATIONS
3085	Multi-shell connectome DWI-based graph theory measures for the prediction of temporal lobe epilepsy and cognition. Cerebral Cortex, 0 , , .	1.6	0
3086	The basolateral amygdala-anterior cingulate pathway contributes to depression-like behaviors and comorbidity with chronic pain behaviors in male mice. Nature Communications, 2023, 14, .	5 . 8	7
3087	Deformable registration of lung 3DCT images using an unsupervised heterogeneous multi-resolution neural network. Medical and Biological Engineering and Computing, 2023, 61, 2353-2365.	1.6	2
3088	Differential Associations of Mobility With Fronto-Striatal Integrity and Lesion Load in Older Adults With and Without Multiple Sclerosis. Neurorehabilitation and Neural Repair, 2023, 37, 205-217.	1.4	1
3090	Explainable classification of Parkinson's disease using deep learning trained on a large multi-center database of T1-weighted MRI datasets. NeuroImage: Clinical, 2023, 38, 103405.	1.4	5
3091	Episodic memory deficit in HIV infection: common phenotype with Parkinson's disease, different neural substrates. Brain Structure and Function, 2023, 228, 845-858.	1.2	1
3092	Parasagittal dural space hypertrophy and amyloid-β deposition in Alzheimer's disease. Brain Communications, 2023, 5, .	1.5	4
3093	Superficial white matter across development, young adulthood, and aging: volume, thickness, and relationship with cortical features. Brain Structure and Function, 2023, 228, 1019-1031.	1.2	3
3095	Neural correlates of verbal fluency revealed by longitudinal T1, T2 and FLAIR imaging in stroke. NeuroImage: Clinical, 2023, 38, 103406.	1.4	0
3131	Mixup-Privacy: A Simple yetÂEffective Approach forÂPrivacy-Preserving Segmentation. Lecture Notes in Computer Science, 2023, , 717-729.	1.0	0
3139	Symmetric Multimodal Mapping of Ex Vivo Cardiac Microstructure of Large Mammalian Whole Hearts for Volumetric Comparison of Myofiber Orientation Estimated from Diffusion MRI and MicroCT. Lecture Notes in Computer Science, 2023, , 44-53.	1.0	0
3167	Resting-State Functional Magnetic Resonance Imaging as a Method for the Study of Social Behavior in a Rodent Model. Neuromethods, 2023, , 157-169.	0.2	0
3198	Image Registration: Fundamentals and Recent Advances Based on Deep Learning. Neuromethods, 2023, , 435-458.	0.2	0
3211	LMConvMorph: Large Kernel Modern Hierarchical Convolutional Model for Unsupervised Medical Image Registration. Lecture Notes in Computer Science, 2023, , 216-226.	1.0	0
3235	A Novel Autoencoders-LSTM Model for Stroke Outcome Prediction Using Multimodal MRI Data. , 2023, ,		0
3260	Orthogonal Annotation Benefits Barely-supervised Medical Image Segmentation. , 2023, , .		2
3265	How Does White Matter Registration Affect Tractography Alignment?., 2023,,.		0
3271	3D Brain Registration with Intensity Shift Robustness. , 2023, , .		0

#	Article	IF	CITATIONS
3287	Case report: Unilateral GPi DBS in secondary myoclonus-dystonia syndrome after acute disseminated encephalomyelitis. Frontiers in Neurology, 0, 14 , .	1.1	0
3294	Cascaded convolutional networks for unsupervised brain tissue segmentation and bias field estimation., 2023,,.		0
3295	Parametric volumetric registration. , 2024, , 331-354.		0
3297	Implicit Neural Representations forÂJoint Decomposition andÂRegistration ofÂGene Expression Images inÂtheÂMarmoset Brain. Lecture Notes in Computer Science, 2023, , 645-654.	1.0	1
3298	Alias-Free Co-modulated Network forÂCross-Modality Synthesis andÂSuper-Resolution ofÂMR Images. Lecture Notes in Computer Science, 2023, , 66-76.	1.0	0
3300	Intraoperative CT Augmentation forÂNeedle-Based Liver Interventions. Lecture Notes in Computer Science, 2023, , 291-301.	1.0	0
3301	Synthesis of Contrast-Enhanced Breast MRI Using T1- and Multi-b-Value DWI-Based Hierarchical Fusion Network with Attention Mechanism. Lecture Notes in Computer Science, 2023, , 79-88.	1.0	0
3308	MoSID: Modality-Specific Information Disentanglement fromÂMulti-parametric MRI forÂBreast Tumor Segmentation. Lecture Notes in Computer Science, 2023, , 94-104.	1.0	0
3309	MetaRegNet: Metamorphic Image Registration Using Flow-Driven Residual Networks. Lecture Notes in Computer Science, 2023, , 160-170.	1.0	0
3312	Tract-wise microstructural analysis informs on current and future disability in early multiple sclerosis. Journal of Neurology, 2024, 271, 631-641.	1.8	0
3317	Correlative Multimodal Imaging for Multiscale Analysis of Complex Biological Systems: Validation Methods and Performance Analysis. Reference Series in Biomedical Engineering, 2023, , 1-36.	0.1	0
3318	3D Transformer Based onÂDeformable Patch Location forÂDifferential Diagnosis Between Alzheimer's Disease andÂFrontotemporal Dementia. Lecture Notes in Computer Science, 2024, , 53-63.	1.0	0
3321	Examining the Impact of fMRI Preprocessing Steps on Machine Learning-Based Classification of Autism Spectrum Disorder. , 2023, , .		1
3391	Evaluating Fiber Orientation Dispersion Measures Computed From Single-Shell Diffusion MRI. , 2023, , .		0
3398	Amelioration of Parkinsonian tremor evoked by DBS: which role play cerebello-(sub)thalamic fiber tracts?. Journal of Neurology, 2024, 271, 1451-1461.	1.8	0
3404	Multimodal Image Registration Using a Viscous Fluid Model with the Bhattacharyya Distance. , 2023, , .		0
3424	Imaging Biomarkers in Oncology. , 2023, , 551-571.		0
3426	CfMRIPrep: A MATLAB toolbox for integrated preprocessing of complex-valued fMRI data. , 2023, , .		0

#	Article	IF	CITATIONS
3435	Large-scale Normative Modeling of Brain Microstructure. , 2023, , .		0
3450	High-resolution tracking of unconfined zebrafish behavior reveals stimulatory and anxiolytic effects of psilocybin. Molecular Psychiatry, 0, , .	4.1	2
3458	Radiomics: "unlocking the potential of medical images for precision radiation oncology― , 2024, , 73-105.		0
3470	Global Space Modelling Of Biological Processes With Cross-sectional Data. , 2023, , .		0
3473	Applying Quadratic Penalty Method forÂIntensity-Based Deformable Image Registration onÂBraTS-Reg Challenge 2022. Lecture Notes in Computer Science, 2023, , 3-14.	1.0	0
3484	Evaluation of Segmentation Tools Applied to Epilepsy. IFMBE Proceedings, 2024, , 405-413.	0.2	O
3496	A Multifunctional Image Processing Tool for CT Data Standardization. IFMBE Proceedings, 2024, , 243-250.	0.2	0
3499	Identifying Subgroups and Novel Brain-Behavior Associations in Adolescents Who were Born Very Preterm Using Bi-clustering Approaches. , 2023, , .		O
3501	Improving fMRI-based Autism Spectrum Disorder Classification with Random Walks-informed Feature Extraction and Selection., 2023,,.		О