The WU-Minn Human Connectome Project: An overview

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Citation Report

#	Article	IF	Citations
1	GANGLIONECTOMY IN THE TREATMENT OF SEVERE POLYARTHRITIS AND OSTEO-ARTHRITIS. BMJ: British Medical Journal, 1936, 2, 375-381.	2.4	5
2	Cartography and Connectomes. Neuron, 2013, 80, 775-790.	3.8	88
3	Human Connectome Project informatics: Quality control, database services, and data visualization. NeuroImage, 2013, 80, 202-219.	2.1	356
4	Advances in diffusion MRI acquisition and processing in the Human Connectome Project. NeuroImage, 2013, 80, 125-143.	2.1	851
5	Functional connectomics from resting-state fMRI. Trends in Cognitive Sciences, 2013, 17, 666-682.	4.0	802
6	Fledgling pathoconnectomics of psychiatric disorders. Trends in Cognitive Sciences, 2013, 17, 641-647.	4.0	110
7	Networks of task co-activations. NeuroImage, 2013, 80, 505-514.	2.1	154
8	Function in the human connectome: Task-fMRI and individual differences in behavior. NeuroImage, 2013, 80, 169-189.	2.1	1,259
9	Adding dynamics to the Human Connectome Project with MEG. NeuroImage, 2013, 80, 190-201.	2.1	189
10	Resting-state fMRI in the Human Connectome Project. NeuroImage, 2013, 80, 144-168.	2.1	1,367
11	Human connectomics â€" What will the future demand?. NeuroImage, 2013, 80, 541-544.	2.1	50
12	Pushing spatial and temporal resolution for functional and diffusion MRI in the Human Connectome Project. NeuroImage, 2013, 80, 80-104.	2.1	769
13	Grand Challenges in Mapping the Human Brain: NSF Workshop Report. IEEE Transactions on Biomedical Engineering, 2013, 60, 2983-2992.	2.5	62
14	BOLD Granger Causality Reflects Vascular Anatomy. PLoS ONE, 2013, 8, e84279.	1.1	49
15	Spatial Dependencies between Large-Scale Brain Networks. PLoS ONE, 2014, 9, e98500.	1.1	23
16	Multiscale Enaction Model (MEM): the case of complexity and Ã¢â‚¬Å“context-sensitivityÃ¢â‚¬Â•in vision. Frontiers in Psychology, 2014, 5, 1425.	1.1	7
17	Network complexity as a measure of information processing across resting-state networks: evidence from the Human Connectome Project. Frontiers in Human Neuroscience, 2014, 8, 409.	1.0	109
18	Dipy, a library for the analysis of diffusion MRI data. Frontiers in Neuroinformatics, 2014, 8, 8.	1.3	891

#	Article	IF	Citations
19	BROCCOLI: Software for fast fMRI analysis on many-core CPUs and GPUs. Frontiers in Neuroinformatics, 2014, 8, 24.	1.3	74
20	A case study in connectomics: the history, mapping, and connectivity of the claustrum. Frontiers in Neuroinformatics, 2014, 8, 83.	1.3	24
21	Primate comparative neuroscience using magnetic resonance imaging: promises and challenges. Frontiers in Neuroscience, 2014, 8, 298.	1.4	49
22	Estimation of effective connectivity via data-driven neural modeling. Frontiers in Neuroscience, 2014, 8, 383.	1.4	50
23	Mapping Connections in Humans andÂNon-Human Primates. , 2014, , 337-358.		53
24	Time-resolved resting-state brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10341-10346.	3.3	716
26	Using Pareto optimality to explore the topology and dynamics of the human connectome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130530.	1.8	50
27	A direct amygdala-motor pathway for emotional displays to influence action: A diffusion tensor imaging study. Human Brain Mapping, 2014, 35, 5974-5983.	1.9	105
28	Diffeomorphic metric mapping and probabilistic atlas generation of hybrid diffusion imaging based on BFOR signal basis. Medical Image Analysis, 2014, 18, 1002-1014.	7.0	5
29	Global Genetic Variations Predict Brain Response to Faces. PLoS Genetics, 2014, 10, e1004523.	1.5	18
30	Connectivity Measurements for Network Imaging. Current Topics in Behavioral Neurosciences, 2014, 21, 315-330.	0.8	7
31	Electrophysiology and Psychophysiology in Psychiatry and Psychopharmacology. Current Topics in Behavioral Neurosciences, 2014, , .	0.8	2
32	A review of data mining using big data in health informatics. Journal of Big Data, 2014, 1, .	6.9	214
33	Multi-tissue constrained spherical deconvolution for improved analysis of multi-shell diffusion MRI data. NeuroImage, 2014, 103, 411-426.	2.1	1,063
34	Application of online agglomerative hierarchical clustering on real dMRI. , 2014, , .		0
35	Molecular neuroanatomy: a generation of progress. Trends in Neurosciences, 2014, 37, 106-123.	4.2	30
36	A mesoscale connectome of the mouse brain. Nature, 2014, 508, 207-214.	13.7	2,143
37	Mapping brain circuit function in vivo using twoâ€photon fluorescence microscopy. Microscopy Research and Technique, 2014, 77, 492-501.	1.2	17

#	Article	IF	Citations
38	Automatic denoising of functional MRI data: Combining independent component analysis and hierarchical fusion of classifiers. NeuroImage, 2014, 90, 449-468.	2.1	1,580
39	Comparative primate neuroimaging: insights into human brain evolution. Trends in Cognitive Sciences, 2014, 18, 46-55.	4.0	187
40	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. NeuroImage, 2014, 88, 212-227.	2.1	220
41	In vivo architectonics: A cortico-centric perspective. NeuroImage, 2014, 93, 157-164.	2.1	60
42	Multimodal Imaging in Autism: an Early Review of Comprehensive Neural Circuit Characterization. Current Psychiatry Reports, 2014, 16, 496.	2.1	11
43	The effects of pediatric epilepsy on a language connectome. Human Brain Mapping, 2014, 35, 5996-6010.	1.9	18
44	Magnetic Resonance Imaging at Ultrahigh Fields. IEEE Transactions on Biomedical Engineering, 2014, 61, 1364-1379.	2.5	118
45	Effects of tractography approach on consistency between anatomical and functional connectivity estimates. , 2014, , .		4
46	Big data from small data: data-sharing in the 'long tail' of neuroscience. Nature Neuroscience, 2014, 17, 1442-1447.	7.1	227
47	Making big data open: data sharing in neuroimaging. Nature Neuroscience, 2014, 17, 1510-1517.	7.1	358
48	The functional architecture of the ventral temporal cortex and its role in categorization. Nature Reviews Neuroscience, 2014, 15, 536-548.	4.9	656
49	Template based rotation: A method for functional connectivity analysis with a priori templates. NeuroImage, 2014, 102, 620-636.	2.1	47
50	Fast computation of voxel-level brain connectivity maps from resting-state functional MRI using l1-norm as approximation of Pearson's temporal correlation: Proof-of-concept and example vector hardware implementation. Medical Engineering and Physics, 2014, 36, 1212-1217.	0.8	14
51	Group-PCA for very large fMRI datasets. NeuroImage, 2014, 101, 738-749.	2.1	218
52	Direct Imaging of Functional Networks. Brain Connectivity, 2014, 4, 481-486.	0.8	6
53	Resting-state networks link invasive and noninvasive brain stimulation across diverse psychiatric and neurological diseases. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4367-75.	3.3	486
54	Intrinsic and Task-Evoked Network Architectures of the Human Brain. Neuron, 2014, 83, 238-251.	3.8	1,369
55	RNA-Seq Reveals Novel Transcriptional Reorganization in Human Alcoholic Brain. International Review of Neurobiology, 2014, 116, 275-300.	0.9	50

#	Article	IF	Citations
56	Evaluation and statistical inference for human connectomes. Nature Methods, 2014, 11, 1058-1063.	9.0	225
57	Interoperable atlases of the human brain. NeuroImage, 2014, 99, 525-532.	2.1	78
58	Two-Back Makes Step Forward in Brain Imaging Genomics. Neuron, 2014, 81, 959-961.	3.8	2
59	Methods and considerations for longitudinal structural brain imaging analysis across development. Developmental Cognitive Neuroscience, 2014, 9, 172-190.	1.9	216
60	Functional connectivityâ€based parcellation of the human sensorimotor cortex. European Journal of Neuroscience, 2014, 39, 1332-1342.	1.2	33
61	MSM: A new flexible framework for Multimodal Surface Matching. NeuroImage, 2014, 100, 414-426.	2.1	532
62	Test-retest reliabilities of resting-state FMRI measurements in human brain functional connectomics: A systems neuroscience perspective. Neuroscience and Biobehavioral Reviews, 2014, 45, 100-118.	2.9	569
63	Fine-grained mapping of mouse brain functional connectivity with resting-state fMRI. NeuroImage, 2014, 96, 203-215.	2.1	69
64	Abnormal cortical thickness in heroin-dependent individuals. NeuroImage, 2014, 88, 295-307.	2.1	52
65	Human V4 and ventral occipital retinotopic maps. Visual Neuroscience, 2015, 32, E020.	0.5	64
66	The human connectome in health and psychopathology. World Psychiatry, 2015, 14, 154-157.	4.8	43
67	Large-scale brain dynamics: effect of connectivity resolution. BMC Neuroscience, 2015, 16, .	0.8	0
69	Estimation of diffusion properties in three-way fiber crossings without overfitting. Physics in Medicine and Biology, 2015, 60, 9123-9144.	1.6	8
70	Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. Scientific Data, 2015, 2, 150031.	2.4	318
71	Heads in the Cloud: A Primer on Neuroimaging Applications of High Performance Computing. Magnetic Resonance Insights, 2015, 8s1, MRI.S23558.	2.5	7
72	Test-retest measurements and digital validation for in vivo neuroscience. Scientific Data, 2015, 2, 140057.	2.4	17
73	Rank-2 model-order selection in diffusion tensor MRI: Infromation complexity based on the total Kullback-Leibler divergence. , 2015, , .		1
74	Sparse representation of <scp>HCP</scp> grayordinate data reveals novel functional architecture of cerebral cortex. Human Brain Mapping, 2015, 36, 5301-5319.	1.9	65

#	Article	IF	Citations
75	Default mode network links to visual hallucinations: A comparison between Parkinson's disease and multiple system atrophy. Movement Disorders, 2015, 30, 1237-1247.	2.2	70
76	Biomarkers of Brain Structure and Function for Neurodegenerative Disorders: Are They Adequate for Go/No Go Decisions in Drug Development?. Clinical Pharmacology and Therapeutics, 2015, 98, 472-474.	2.3	3
77	Connectivityâ€based whole brain dual parcellation by group <scp>ICA</scp> reveals tract structures and decreased connectivity in schizophrenia. Human Brain Mapping, 2015, 36, 4681-4701.	1.9	33
78	Linking contemporary high resolution magnetic resonance imaging to the von economo legacy: A study on the comparison of MRI cortical thickness and histological measurements of cortical structure. Human Brain Mapping, 2015, 36, 3038-3046.	1.9	50
79	The controversial existence of the human superior frontoâ€occipital fasciculus: Connectomeâ€based tractographic study with microdissection validation. Human Brain Mapping, 2015, 36, 4964-4971.	1.9	48
80	Comprehension through explanation as the interaction of the brainâ€™s coherence and cognitive control networks. Frontiers in Human Neuroscience, 2015, 9, 562.	1.0	13
81	Text mining for neuroanatomy using WhiteText with an updated corpus and a new web application. Frontiers in Neuroinformatics, 2015, 9, 13.	1.3	17
82	Dynamic connectivity detection: an algorithm for determining functional connectivity change points in fMRI data. Frontiers in Neuroscience, 2015, 9, 285.	1.4	63
83	Effects of thresholding on correlation-based image similarity metrics. Frontiers in Neuroscience, 2015, 9, 418.	1.4	3
84	Identification of Voxels Confounded by Venous Signals Using Resting-State fMRI Functional Connectivity Graph Community Identification. Frontiers in Neuroscience, 2015, 9, 472.	1.4	13
85	Multistability in Large Scale Models of Brain Activity. PLoS Computational Biology, 2015, 11, e1004644.	1.5	55
86	Seeing More by Showing Less: Orientation-Dependent Transparency Rendering for Fiber Tractography Visualization. PLoS ONE, 2015, 10, e0139434.	1.1	14
87	Neural Stimulation Has a Long-Term Effect on Foreign Vocabulary Acquisition. Neural Plasticity, 2015, 2015, 1-7.	1.0	7
88	Hemispheric Asymmetry of Human Brain Anatomical Network Revealed by Diffusion Tensor Tractography. BioMed Research International, 2015, 2015, 1-11.	0.9	24
89	Toward a Multisubject Analysis of Neural Connectivity. Neural Computation, 2015, 27, 151-170.	1.3	4
90	Analysis and evaluation of somatotopic mapping and rs-fMRI parcellation for healthy aging and alzheimerâ€™s disease. , 2015, , .		1
91	Comparison of structural connectivity metrics for multimodal brain image analysis. , 2015, , .		0
92	Relaxed genetic control of cortical organization in human brains compared with chimpanzees. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14799-14804.	3.3	151

#	Article	IF	Citations
93	Architectonic Mapping of the Human Brain beyond Brodmann. Neuron, 2015, 88, 1086-1107.	3.8	360
94	Canonical genetic signatures of the adult human brain. Nature Neuroscience, 2015, 18, 1832-1844.	7.1	503
95	Improved functional cortical parcellation using a neighborhood-information-embedded affinity matrix. , 2015, , .		1
96	Multimodal neuroimaging computing: a review of the applications in neuropsychiatric disorders. Brain Informatics, 2015, 2, 167-180.	1.8	115
97	USE OF RHABDOVIRUSES TO STUDY NEURAL CIRCUITRY. , 2015, , 263-287.		1
98	Molecular network of important genes for systemic sclerosis-related progressive lung fibrosis. BMC Research Notes, 2015, 8, 544.	0.6	2
99	High resolution whole brain diffusion imaging at 7 T for the Human Connectome Project. NeuroImage, 2015, 122, 318-331.	2.1	166
100	From stars to patients: Lessons from space science and astrophysics for health care informatics. , 2015, , .		0
101	Using 3D-SHORE and MAP-MRI to obtain both tractography and microstructural constrast from a clinical DMRI acquisition. , 2015, , .		5
102	Enabling discovery science in human connectomics. Science Bulletin, 2015, 60, 139-140.	4.3	3
103	Decreased restingâ€state brain activity complexity in schizophrenia characterized by both increased regularity and randomness. Human Brain Mapping, 2015, 36, 2174-2186.	1.9	65
104	Large-scale Probabilistic Functional Modes from resting state fMRI. NeuroImage, 2015, 109, 217-231.	2.1	98
105	Exploring spatiotemporal network transitions in task functional MRI. Human Brain Mapping, 2015, 36, 1348-1364.	1.9	15
106	A Connectome Computation System for discovery science of brain. Science Bulletin, 2015, 60, 86-95.	4.3	129
107	Contrast enhancement by combining T1- and T2-weighted structural brain MR Images. Magnetic Resonance in Medicine, 2015, 74, 1609-1620.	1.9	34
108	Cortical thickness gradients in structural hierarchies. NeuroImage, 2015, 111, 241-250.	2.1	155
109	Effective connectivity during animacy perception â€“ dynamic causal modelling of Human Connectome Project data. Scientific Reports, 2014, 4, 6240.	1.6	50
110	Brain morphology is individual-specific information. Magnetic Resonance Imaging, 2015, 33, 816-821.	1.0	13

#	Article	IF	Citations
111	Wiring cost and topological participation of the mouse brain connectome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10032-10037.	3.3	191
112	A deconvolution-based approach to identifying large-scale effective connectivity. Magnetic Resonance Imaging, 2015, 33, 1290-1298.	1.0	1
113	Lysosomal storage disease: Gene therapy on both sides of the bloodâ€“brain barrier. Molecular Genetics and Metabolism, 2015, 114, 83-93.	0.5	45
114	Imaging of the Functional and Dysfunctional Visual System. Seminars in Ultrasound, CT and MRI, 2015, 36, 234-248.	0.7	12
115	Visualization and Processing of Higher Order Descriptors for Multi-Valued Data. Mathematics and Visualization, 2015, , .	0.4	5
116	Network analysis for a network disorder: The emerging role of graph theory in the study of epilepsy. Epilepsy and Behavior, 2015, 50, 162-170.	0.9	210
117	A symmetric multivariate leakage correction for MEG connectomes. NeuroImage, 2015, 117, 439-448.	2.1	383
118	How the New Neuroscience Will Advance Medicine. JAMA - Journal of the American Medical Association, 2015, 314, 221.	3.8	6
119	A novel brain partition highlights the modular skeleton shared by structure and function. Scientific Reports, 2015, 5, 10532.	1.6	82
120	Cooperative and Competitive Spreading Dynamics on the Human Connectome. Neuron, 2015, 86, 1518-1529.	3.8	309
121	Analysis of Cortical Shape in Children with Simplex Autism. Cerebral Cortex, 2015, 25, 1042-1051.	1.6	44
122	Diffusion Tensor Imaging. , 2015, , 245-251.		9
123	Neural architecture underlying classification of face perception paradigms. NeuroImage, 2015, 119, 70-80.	2.1	28
124	Brain diffusivity pattern is individual-specific information. Neuroscience, 2015, 301, 395-402.	1.1	4
125	Diffusion-MRI in neurodegenerative disorders. Magnetic Resonance Imaging, 2015, 33, 853-876.	1.0	79
126	The impact of gradient strength on in vivo diffusion MRI estimates of axon diameter. NeuroImage, 2015, 106, 464-472.	2.1	95
127	Neuroimaging Biomarkers for Psychosis. Current Behavioral Neuroscience Reports, 2015, 2, 102-111.	0.6	16
128	A spectrum of sharing: maximization of information content for brain imaging data. GigaScience, 2015, 4, 2.	3.3	13

#	Article	IF	Citations
129	Physiological principles of electrical stimulation. , 2015, , 13-43.		2
130	Progesterone Is Not Effective in the Treatment of Traumatic Brain Injury. Neurosurgery, 2015, 76, N12-N13.	0.6	1
131	Inherent Limitations of Tractography for Accurate Connectivity Maps. Neurosurgery, 2015, 76, N11-N12.	0.6	9
132	A positive-negative mode of population covariation links brain connectivity, demographics and behavior. Nature Neuroscience, 2015, 18, 1565-1567.	7.1	782
133	Converging models of schizophrenia â€“ Network alterations of prefrontal cortex underlying cognitive impairments. Progress in Neurobiology, 2015, 134, 178-201.	2.8	71
134	Signal sampling for efficient sparse representation of resting state FMRI data. , 2015, , .		3
135	Connectomes make the map. Nature, 2015, 526, 147-149.	13.7	9
136	Ageâ€related changes in the topological organization of the white matter structural connectome across the human lifespan. Human Brain Mapping, 2015, 36, 3777-3792.	1.9	170
137	Predicting Activation Across Individuals with Resting-State Functional Connectivity Based Multi-Atlas Label Fusion. Lecture Notes in Computer Science, 2015, 9350, 313-320.	1.0	66
138	Measuring macroscopic brain connections in vivo. Nature Neuroscience, 2015, 18, 1546-1555.	7.1	292
139	From phenotypic chaos to neurobiological order. Nature Neuroscience, 2015, 18, 1532-1534.	7.1	6
140	Pore dilation reconsidered. Nature Neuroscience, 2015, 18, 1534-1535.	7.1	14
141	Global tractography of multi-shell diffusion-weighted imaging data using a multi-tissue model. NeuroImage, 2015, 123, 89-101.	2.1	128
142	The effect of Gibbs ringing artifacts on measures derived from diffusion MRI. NeuroImage, 2015, 120, 441-455.	2.1	94
143	Non-parametric representation and prediction of single- and multi-shell diffusion-weighted MRI data using Gaussian processes. NeuroImage, 2015, 122, 166-176.	2.1	226
144	Network localization of neurological symptoms from focal brain lesions. Brain, 2015, 138, 3061-3075.	3.7	364
145	Brain Tissue Segmentation Based on Diffusion MRI Using â„“0 Sparse-Group Representation Classification. Lecture Notes in Computer Science, 2015, , 132-139.	1.0	5
146	Bridging Cytoarchitectonics and Connectomics in Human Cerebral Cortex. Journal of Neuroscience, 2015, 35, 13943-13948.	1.7	121

#	Article	IF	Citations
147	Progress and challenges in probing the human brain. Nature, 2015, 526, 371-379.	13.7	211
148	Functional connectome fingerprinting: identifying individuals using patterns of brain connectivity. Nature Neuroscience, 2015, 18, 1664-1671.	7.1	2,191
149	HAFNI-enabled largescale platform for neuroimaging informatics (HELPNI). Brain Informatics, 2015, 2, 225-238.	1.8	13
150	Joint brain connectivity estimation from diffusion and functional MRI data. , 2015, , .		2
151	Multi-level block permutation. NeuroImage, 2015, 123, 253-268.	2.1	212
152	Deep Learning Architecture with Dynamically Programmed Layers for Brain Connectome Prediction. , 2015, , .		9
153	Parcellating cortical functional networks in individuals. Nature Neuroscience, 2015, 18, 1853-1860.	7.1	429
154	Toward neurobiological characterization of functional homogeneity in the human cortex: regional variation, morphological association and functional covariance network organization. Brain Structure and Function, 2015, 220, 2485-2507.	1.2	110
155	Leveraging for big data regression. Wiley Interdisciplinary Reviews: Computational Statistics, 2015, 7, 70-76.	2.1	69
156	Brain Activity: Connectivity, Sparsity, and Mutual Information. IEEE Transactions on Medical Imaging, 2015, 34, 846-860.	5.4	35
157	In search of the definitive Brodmann's map of cortical areas in human. Journal of Comparative Neurology, 2015, 523, 5-14.	0.9	25
158	Neuroanatomic and cognitive abnormalities in attention-deficit/hyperactivity disorder in the era of â€˜high definitionâ€™ neuroimaging. Current Opinion in Neurobiology, 2015, 30, 1-8.	2.0	55
159	kâ€t FASTER: Acceleration of functional MRI data acquisition using low rank constraints. Magnetic Resonance in Medicine, 2015, 74, 353-364.	1.9	58
160	Advancing open science through NiData. GigaScience, 2016, 5, .	3.3	0
161	Heritability of Hippocampal Formation Sub-region Volumes. Journal of Neurology and Neuroscience, 2016, 07, .	0.4	16
162	Clearing and Labeling Techniques for Large-Scale Biological Tissues. Molecules and Cells, 2016, 39, 439-446.	1.0	96
163	The Voxel-Wise Functional Connectome Can Be Efficiently Derived from Co-activations in a Sparse Spatio-Temporal Point-Process. Frontiers in Neuroscience, 2016, 10, 381.	1.4	56
164	Holistic atlases of functional networks and interactions (HAFNI). , 2016, , 435-454.		0

#	Article	IF	Citations
165	Two Distinct Scene-Processing Networks Connecting Vision and Memory. ENeuro, 2016, 3, ENEURO.0178-16.2016.	0.9	111
166	Shanoir: Applying the Software as a Service Distribution Model to Manage Brain Imaging Research Repositories. Frontiers in ICT, 2016, 3, .	3.6	15
167	Developing an Integrated Image Bank and Metadata for Large-scale Research in Cerebrovascular Disease: Our Experience from the Stroke Image Bank Project. Frontiers in ICT, 2016, 3, .	3.6	0
168	Recent Progress in Magnetic Resonance Imaging of the Embryonic and Neonatal Mouse Brain. Frontiers in Neuroanatomy, 2016, 10, 18.	0.9	20
169	Toward Developmental Connectomics of the Human Brain. Frontiers in Neuroanatomy, 2016, 10, 25.	0.9	108
170	Segmentation of the Cingulum Bundle in the Human Brain: A New Perspective Based on DSI Tractography and Fiber Dissection Study. Frontiers in Neuroanatomy, 2016, 10, 84.	0.9	118
171	Eye Movements during Auditory Attention Predict Individual Differences in Dorsal Attention Network Activity. Frontiers in Human Neuroscience, 2016, 10, 164.	1.0	33
172	Brain-Wide Mapping of Axonal Connections: Workflow for Automated Detection and Spatial Analysis of Labeling in Microscopic Sections. Frontiers in Neuroinformatics, 2016, 10, 11.	1.3	18
173	Building the Ferretome. Frontiers in Neuroinformatics, 2016, 10, 16.	1.3	13
174	Exploring fMRI Results Space: 31 Variants of an fMRI Analysis in AFNI, FSL, and SPM. Frontiers in Neuroinformatics, 2016, 10, 24.	1.3	30
175	Embarrassingly Parallel Acceleration of Global Tractography via Dynamic Domain Partitioning. Frontiers in Neuroinformatics, 2016, 10, 25.	1.3	3
176	A Symmetry-Based Method to Infer Structural Brain Networks from Probabilistic Tractography Data. Frontiers in Neuroinformatics, 2016, 10, 46.	1.3	5
177	Big Data Approaches for the Analysis of Large-Scale fMRI Data Using Apache Spark and GPU Processing: A Demonstration on Resting-State fMRI Data from the Human Connectome Project. Frontiers in Neuroscience, 2015, 9, 492.	1.4	48
178	Joint Multi-Fiber NODDI Parameter Estimation and Tractography Using the Unscented Information Filter. Frontiers in Neuroscience, 2016, 10, 166.	1.4	56
179	Systemic Low-Frequency Oscillations in BOLD Signal Vary with Tissue Type. Frontiers in Neuroscience, 2016, 10, 313.	1.4	34
180	A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. Frontiers in Neuroscience, 2016, 10, 515.	1.4	159
181	Alignment of Tractograms As Graph Matching. Frontiers in Neuroscience, 2016, 10, 554.	1.4	16
182	Spontaneous Neural Dynamics and Multi-scale Network Organization. Frontiers in Systems Neuroscience, 2016, 10, 7.	1.2	60

#	Article	IF	Citations
183	The Inverse Relationship between the Microstructural Variability of Amygdala-Prefrontal Pathways and Trait Anxiety Is Moderated by Sex. Frontiers in Systems Neuroscience, 2016, 10, 93.	1.2	25
184	White matter and cognition: research perspectives. , 0, , 153-161.		0
185	Distinct Global Brain Dynamics and Spatiotemporal Organization of the Salience Network. PLoS Biology, 2016, 14, e1002469.	2.6	388
186	A Practical Guide for Improving Transparency and Reproducibility in Neuroimaging Research. PLoS Biology, 2016, 14, e1002506.	2.6	127
187	Ensemble Tractography. PLoS Computational Biology, 2016, 12, e1004692.	1.5	101
188	Letâ€™s Not Waste Time: Using Temporal Information in Clustered Activity Estimation with Spatial Adjacency Restrictions (CAESAR) for Parcellating FMRI Data. PLoS ONE, 2016, 11, e0164703.	1.1	2
189	Anesthesia-induced Suppression of Human Dorsal Anterior Insula Responsivity at Loss of Volitional Behavioral Response. Anesthesiology, 2016, 124, 766-778.	1.3	31
190	Ultrahigh field single-refocused diffusion weighted imaging using a matched-phase adiabatic spin echo (MASE). Magnetic Resonance in Medicine, 2016, 75, 1949-1957.	1.9	9
191	A generalized slabâ€wise framework for parallel transmit multiband RF pulse design. Magnetic Resonance in Medicine, 2016, 75, 1444-1456.	1.9	22
192	Qâ€space truncation and sampling in diffusion spectrum imaging. Magnetic Resonance in Medicine, 2016, 76, 1750-1763.	1.9	13
193	The technological future of 7â€‰T MRI hardware. NMR in Biomedicine, 2016, 29, 1305-1315.	1.6	15
194	Multi-Tissue Decomposition of Diffusion MRI Signals via L0 Sparse-Group Estimation. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	20
195	A sparse coding approach for the efficient representation and segmentation of white matter fibers. , 2016, , .		5
196	Distributed rank-1 dictionary learning: Towards fast and scalable solutions for fMRI big data analytics. , 2016, , .		2
197	Functional brain networks associated with eating behaviors in obesity. Scientific Reports, 2016, 6, 23891.	1.6	45
198	Dependency Network Analysis (DEPNA) Reveals Context Related Influence of Brain Network Nodes. Scientific Reports, 2016, 6, 27444.	1.6	17
199	Latent Variable Graphical Model Selection Using Harmonic Analysis: Applications to the Human Connectome Project (HCP). , 2016, 2016, 2443-2451.		5
200	Testing Stationarity of Brain Functional Connectivity Using Change-Point Detection in fMRI Data. , 2016, , .		5

#	Article	IF	Citations
201	Scalable Fast Rank-1 Dictionary Learning for fMRI Big Data Analysis. , 2016, , .		10
202	Letter to the Editor. Brain Injury, 2016, 30, 1515-1516.	0.6	0
203	The relationship of cortical folding and brain arteriovenous malformations. Neurovascular Imaging, 2016, 2, .	2.4	3
204	The heritability of chimpanzee and human brain asymmetry. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161319.	1.2	34
205	Eigenmaps of dynamic functional connectivity: Voxel-level dominant patterns through eigenvector centrality. , 2016, , .		7
206	Differences in Gaussian diffusion tensor imaging and non-Gaussian diffusion kurtosis imaging model-based estimates of diffusion tensor invariants in the human brain. Medical Physics, 2016, 43, 2464-2475.	1.6	36
207	MAPL: Tissue microstructure estimation using Laplacian-regularized MAP-MRI and its application to HCP data. NeuroImage, 2016, 134, 365-385.	2.1	101
208	The Human Brainnetome Atlas: A New Brain Atlas Based on Connectional Architecture. Cerebral Cortex, 2016, 26, 3508-3526.	1.6	1,962
209	Imaging the â€œAt-Riskâ€•Brain: Future Directions. Journal of the International Neuropsychological Society, 2016, 22, 164-179.	1.2	18
210	From regions to connections and networks: new bridges between brain and behavior. Current Opinion in Neurobiology, 2016, 40, 1-7.	2.0	212
211	Task-free MRI predicts individual differences in brain activity during task performance. Science, 2016, 352, 216-220.	6.0	648
212	Durably reducing transphobia: A field experiment on door-to-door canvassing. Science, 2016, 352, 220-224.	6.0	406
213	Connectivity Profiles Reveal a Transition Subarea in the Parahippocampal Region That Integrates the Anterior Temporalâ€“Posterior Medial Systems. Journal of Neuroscience, 2016, 36, 2782-2795.	1.7	37
214	Multimodal brain visualization. , 2016, , .		0
215	Brainâ€“heart interactions: challenges and opportunities with functional magnetic resonance imaging at ultra-high field. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150188.	1.6	26
216	Precision psychiatry: a neural circuit taxonomy for depression and anxiety. Lancet Psychiatry,the, 2016, 3, 472-480.	3.7	413
217	Fusion in diffusion MRI for improved fibre orientation estimation: An application to the 3T and 7T data of the Human Connectome Project. NeuroImage, 2016, 134, 396-409.	2.1	91
218	The primate connectome in context: Principles of connections of the cortical visual system. NeuroImage, 2016, 134, 685-702.	2.1	102

#	Article	IF	Citations
219	Cingulo-opercular Network Efficiency Mediates the Association Between Psychotic-like Experiences and Cognitive Ability in the General Population. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 498-506.	1.1	36
220	Computational Diffusion MRI. Mathematics and Visualization, 2016, , .	0.4	2
221	Network-Level Structure-Function Relationships in Human Neocortex. Cerebral Cortex, 2016, 26, 3285-3296.	1.6	260
222	In vivo whole brain, cellular and molecular imaging in nonhuman primate models of neuropathology. Neuroscience and Biobehavioral Reviews, 2016, 66, 104-118.	2.9	15
223	Shape-based multifeature brain parcellation. Proceedings of SPIE, 2016, , .	0.8	0
224	Alignment of Tractograms as Linear Assignment Problem. Mathematics and Visualization, 2016, , 109-120.	0.4	5
225	Time-Varying Brain Connectivity in fMRI Data: Whole-brain data-driven approaches for capturing and characterizing dynamic states. IEEE Signal Processing Magazine, 2016, 33, 52-66.	4.6	67
226	Exact estimation of multiple directed acyclic graphs. Statistics and Computing, 2016, 26, 797-811.	0.8	17
227	Overlapping communities reveal rich structure in large-scale brain networks during rest and task conditions. NeuroImage, 2016, 135, 92-106.	2.1	88
228	Building a Science of Individual Differences from fMRI. Trends in Cognitive Sciences, 2016, 20, 425-443.	4.0	545
229	q-Space Deep Learning: Twelve-Fold Shorter and Model-Free Diffusion MRI Scans. IEEE Transactions on Medical Imaging, 2016, 35, 1344-1351.	5.4	213
230	Meta-connectomics: human brain network and connectivity meta-analyses. Psychological Medicine, 2016, 46, 897-907.	2.7	44
232	Low SNR in Diffusion MRI Models. Journal of the American Statistical Association, 2016, 111, 1480-1490.	1.8	13
233	DiffusionKit: A light one-stop solution for diffusion MRI data analysis. Journal of Neuroscience Methods, 2016, 273, 107-119.	1.3	51
234	Morphometricity as a measure of the neuroanatomical signature of a trait. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5749-56.	3.3	53
235	Unified model of brain tissue microstructure dynamically binds diffusion and osmosis with extracellular space geometry. Physical Review E, 2016, 94, 032411.	0.8	0
236	Assessing Variations in Areal Organization for the Intrinsic Brain: From Fingerprints to Reliability. Cerebral Cortex, 2016, 26, 4192-4211.	1.6	82
237	Activity flow over resting-state networks shapes cognitive task activations. Nature Neuroscience, 2016, 19, 1718-1726.	7.1	403

#	Article	IF	Citations
238	Machine learning as a means toward precision diagnostics and prognostics. , 2016, , 299-334.		3
239	In vivo delineation of subdivisions of the human amygdaloid complex in a highâ€resolution group template. Human Brain Mapping, 2016, 37, 3979-3998.	1.9	132
240	How do parcellation size and short-range connectivity affect dynamics in large-scale brain network models?. NeuroImage, 2016, 142, 135-149.	2.1	103
241	Clinical Concepts Emerging from fMRI Functional Connectomics. Neuron, 2016, 91, 511-528.	3.8	80
242	Nodes and Edges. , 2016, , 37-88.		0
243	Statistical Connectomics. , 2016, , 383-419.		2
244	Diffuse optical tomography using multi-directional sources and detectors. Biomedical Optics Express, 2016, 7, 2623.	1.5	11
245	Heterogeneity of time delays determines synchronization of coupled oscillators. Physical Review E, 2016, 94, 012209.	0.8	49
246	Reliability and reproducibility of individual differences in functional connectivity acquired during task and resting state. Brain and Behavior, 2016, 6, e00456.	1.0	128
247	Multimodal analysis of cortical chemoarchitecture and macroscale fMRI restingâ€state functional connectivity. Human Brain Mapping, 2016, 37, 3103-3113.	1.9	34
248	The functional brain connectome of the child and autism spectrum disorders. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 1024-1035.	0.7	28
249	Opening up: open access publishing, data sharing, and how they can influence your neuroscience career. European Journal of Neuroscience, 2016, 43, 1413-1419.	1.2	16
250	Different interaction modes for the default mode network revealed by resting state functional magnetic resonance imaging. European Journal of Neuroscience, 2016, 43, 78-88.	1.2	9
251	The Human Connectome Project's neuroimaging approach. Nature Neuroscience, 2016, 19, 1175-1187.	7.1	825
252	What is feasible with imaging human brain function and connectivity using functional magnetic resonance imaging. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150361.	1.8	56
253	Evaluation of Denoising Strategies to Address Motion-Correlated Artifacts in Resting-State Functional Magnetic Resonance Imaging Data from the Human Connectome Project. Brain Connectivity, 2016, 6, 669-680.	0.8	226
254	Scaling Properties of Human Brain Functional Networks. Lecture Notes in Computer Science, 2016, , 107-114.	1.0	2
255	Stability of Network Communities as a Function of Task Complexity. Journal of Cognitive Neuroscience, 2016, 28, 2030-2043.	1.1	6

#	Article	IF	Citations
256	Higher Intelligence Is Associated with Less Task-Related Brain Network Reconfiguration. Journal of Neuroscience, 2016, 36, 8551-8561.	1.7	206
257	Computational mapping of brain networks. , 2016, , .		0
258	Structural parcellation of the thalamus using shortest-path tractography. , 2016, , .		1
259	Multidimensional heritability analysis of neuroanatomical shape. Nature Communications, 2016, 7, 13291.	5.8	68
260	Sleep duration and resting <scp>fMRI</scp> functional connectivity: examination of short sleepers with and without perceived daytime dysfunction. Brain and Behavior, 2016, 6, e00576.	1.0	33
261	Multimodal population brain imaging in the UK Biobank prospective epidemiological study. Nature Neuroscience, 2016, 19, 1523-1536.	7.1	1,414
262	Sheet Probability Index (SPI): Characterizing the geometrical organization of the white matter with diffusion MRI. NeuroImage, 2016, 142, 260-279.	2.1	17
263	Rostro-caudal Architecture of the Frontal Lobes in Humans. Cerebral Cortex, 2017, 27, 4033-4047.	1.6	53
264	A modern map of the human cerebral cortex. Nature, 2016, 536, 152-154.	13.7	18
265	A multi-modal parcellation of human cerebral cortex. Nature, 2016, 536, 171-178.	13.7	3,634
266	Incorporating outlier detection and replacement into a non-parametric framework for movement and distortion correction of diffusion MR images. NeuroImage, 2016, 141, 556-572.	2.1	559
267	Modified geodesic ray-tracing for diffusion tensor imaging. , 2016, , .		0
268	Will big data yield new mathematics? An evolving synergy with neuroscience. IMA Journal of Applied Mathematics, 2016, 81, 432-456.	0.8	2
269	Shared Genetic Factors Influence Head Motion During MRI and Body Mass Index. Cerebral Cortex, 2017, 27, 5539-5546.	1.6	67
270	Reconstructing multivariate causal structure between functional brain networks through a Laguerre-Volterra based Granger causality approach. , 2016, 2016, 5477-5480.		3
271	Characterizing dynamic local functional connectivity in the human brain. Scientific Reports, 2016, 6, 26976.	1.6	52
272	Situating the default-mode network along a principal gradient of macroscale cortical organization. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12574-12579.	3.3	1,481
273	Functional brain networks related to individual differences in human intelligence at rest. Scientific Reports, 2016, 6, 32328.	1.6	163

#	Article	IF	Citations
274	Specialization of the Right Intraparietal Sulcus for Processing Mathematics During Development. Cerebral Cortex, 2017, 27, 4436-4446.	1.6	13
275	Inferring Individual-Level Variations in the Functional Parcellation of the Cerebral Cortex. IEEE Transactions on Biomedical Engineering, 2016, 63, 2505-2517.	2.5	1
276	Signal sampling for efficient sparse representation of resting state FMRI data. Brain Imaging and Behavior, 2016, 10, 1206-1222.	1.1	11
277	Finding significantly connected voxels based on histograms of connection strengths. , 2016, , .		1
278	Rotationally invariant clustering of diffusion MRI data using spherical harmonics. , 2016, , .		0
279	Associated Microscale Spine Density and Macroscale Connectivity Disruptions in Schizophrenia. Biological Psychiatry, 2016, 80, 293-301.	0.7	75
280	The extreme capsule fiber complex in humans and macaque monkeys: a comparative diffusion MRI tractography study. Brain Structure and Function, 2016, 221, 4059-4071.	1.2	91
281	How reliable are MEG resting-state connectivity metrics?. NeuroImage, 2016, 138, 284-293.	2.1	353
282	Resting-state functional connectivity of the human habenula in healthy individuals: Associations with subclinical depression. Human Brain Mapping, 2016, 37, 2369-2384.	1.9	81
283	MICAâ€"A toolbox for masked independent component analysis of fMRI data. Human Brain Mapping, 2016, 37, 3544-3556.	1.9	49
284	Integrative methods for analyzing big data in precision medicine. Proteomics, 2016, 16, 741-758.	1.3	149
285	Cluster failure: Why fMRI inferences for spatial extent have inflated false-positive rates. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7900-7905.	3.3	2,809
286	Insula reactivity to negative stimuli is associated with daily cigarette use: A preliminary investigation using the Human Connectome Database. Drug and Alcohol Dependence, 2016, 159, 277-280.	1.6	7
288	A joint compressed-sensing and super-resolution approach for very high-resolution diffusion imaging. NeuroImage, 2016, 125, 386-400.	2.1	49
289	Non Local Spatial and Angular Matching: Enabling higher spatial resolution diffusion MRI datasets through adaptive denoising. Medical Image Analysis, 2016, 32, 115-130.	7.0	61
290	Transcranial direct current stimulation changes resting state functional connectivity: A large-scale brain network modeling study. NeuroImage, 2016, 140, 174-187.	2.1	132
291	Genetic and Environmental Contributions to Functional Connectivity Architecture of the Human Brain. Cerebral Cortex, 2016, 26, 2341-2352.	1.6	100
292	Ethical issues in neuroprosthetics. Journal of Neural Engineering, 2016, 13, 021002.	1.8	35

#	Article	IF	Citations
293	Understanding Heterogeneity in Clinical Cohorts Using Normative Models: Beyond Case-Control Studies. Biological Psychiatry, 2016, 80, 552-561.	0.7	376
294	Spatiotemporal Modeling of Brain Dynamics Using Resting-State Functional Magnetic Resonance Imaging with Gaussian Hidden Markov Model. Brain Connectivity, 2016, 6, 326-334.	0.8	40
295	Organization principles of biological networks: An explorative study. BioSystems, 2016, 141, 31-39.	0.9	9
296	Computational analysis in epilepsy neuroimaging: A survey of features and methods. NeuroImage: Clinical, 2016, 11, 515-529.	1.4	68
297	Traumatic Brain Injury and Rationale for a Neuropsychological Diagnosis of Diffuse Axonal Injury. , 2016, , 267-293.		3
298	Object Domain and Modality in the Ventral Visual Pathway. Trends in Cognitive Sciences, 2016, 20, 282-290.	4.0	114
299	Training shortest-path tractography: Automatic learning of spatial priors. NeuroImage, 2016, 130, 63-76.	2.1	8
300	Brain-gut-microbiota axis: challenges for translation in psychiatry. Annals of Epidemiology, 2016, 26, 366-372.	0.9	157
301	Time-Variant Modeling of Brain Processes. Proceedings of the IEEE, 2016, 104, 262-281.	16.4	14
302	Connections of the dorsolateral prefrontal cortex with the thalamus: a probabilistic tractography study. Surgical and Radiologic Anatomy, 2016, 38, 705-710.	0.6	19
303	Automatic segmentation of the striatum and globus pallidus using MIST: Multimodal Image Segmentation Tool. NeuroImage, 2016, 125, 479-497.	2.1	66
304	Linking cognition to brain connectivity. Nature Neuroscience, 2016, 19, 7-9.	7.1	46
305	A peripheral messenger for chronic pain. Nature Neuroscience, 2016, 19, 9-9.	7.1	9
306	An integrated approach to correction for off-resonance effects and subject movement in diffusion MR imaging. NeuroImage, 2016, 125, 1063-1078.	2.1	2,562
307	Simulating disease propagation across white matter connectome reveals anatomical substrate for neuropathology staging in amyotrophic lateral sclerosis. NeuroImage, 2016, 124, 762-769.	2.1	74
308	Functional connectivity change as shared signal dynamics. Journal of Neuroscience Methods, 2016, 259, 22-39.	1.3	58
309	Waiting with purpose: A reliable but small association between purpose in life and impulsivity. Personality and Individual Differences, 2016, 90, 187-189.	1.6	26
310	Connectivity Analysis and Feature Classification in Attention Deficit Hyperactivity Disorder Sub-Types: A Task Functional Magnetic Resonance Imaging Study. Brain Topography, 2016, 29, 429-439.	0.8	25

#	Article	IF	Citations
311	A probabilistic atlas of the cerebellar white matter. NeuroImage, 2016, 124, 724-732.	2.1	74
312	Stable Overlapping Replicator Dynamics for Brain Community Detection. IEEE Transactions on Medical Imaging, 2016, 35, 529-538.	5.4	8
313	In vivo mapping of macroscopic neuronal projections in the mouse hippocampus using high-resolution diffusion MRI. NeuroImage, 2016, 125, 84-93.	2.1	41
314	The nondecussating pathway of the dentatorubrothalamic tract in humans: human connectome-based tractographic study and microdissection validation. Journal of Neurosurgery, 2016, 124, 1406-1412.	0.9	77
315	Functional Connectivity Patterns of Visual Cortex Reflect its Anatomical Organization. Cerebral Cortex, 2016, 26, 3719-3731.	1.6	29
316	Characterizing and differentiating task-based and resting state fMRI signals via two-stage sparse representations. Brain Imaging and Behavior, 2016, 10, 21-32.	1.1	68
317	A Major Human White Matter Pathway Between Dorsal and Ventral Visual Cortex. Cerebral Cortex, 2016, 26, 2205-2214.	1.6	139
318	ConnectomeDBâ€”Sharing human brain connectivity data. NeuroImage, 2016, 124, 1102-1107.	2.1	80
319	The Washington University Central Neuroimaging Data Archive. NeuroImage, 2017, 144, 287-293.	2.1	10
320	Brain structure in autism: a voxel-based morphometry analysis of the Autism Brain Imaging Database Exchange (ABIDE). Brain Imaging and Behavior, 2017, 11, 541-551.	1.1	61
321	Single subject prediction of brain disorders in neuroimaging: Promises and pitfalls. NeuroImage, 2017, 145, 137-165.	2.1	688
322	Can data repositories help find effective treatments for complex diseases?. Progress in Neurobiology, 2017, 152, 200-212.	2.8	11
323	The Brain Analysis Library of Spatial maps and Atlases (BALSA) database. NeuroImage, 2017, 144, 270-274.	2.1	69
324	Multiband echoâ€shifted echo planar imaging. Magnetic Resonance in Medicine, 2017, 77, 1981-1986.	1.9	9
325	â€œMASSIVEâ€•brain dataset: Multiple acquisitions for standardization of structural imaging validation and evaluation. Magnetic Resonance in Medicine, 2017, 77, 1797-1809.	1.9	65
326	An M-estimator for reduced-rank system identification. Pattern Recognition Letters, 2017, 86, 76-81.	2.6	6
327	From connectome to cognition: The search for mechanism in human functional brain networks. NeuroImage, 2017, 160, 124-139.	2.1	102
328	Connectomics and other novel methods for examining neural systems. Metabolism: Clinical and Experimental, 2017, 69, S13-S15.	1.5	1

#	Article	IF	Citations
329	Improving data availability for brain image biobanking in healthy subjects: Practice-based suggestions from an international multidisciplinary working group. NeuroImage, 2017, 153, 399-409.	2.1	13
330	Individual differences and time-varying features of modular brain architecture. NeuroImage, 2017, 152, 94-107.	2.1	87
331	Functional connectivity in amygdalarâ€sensory/(pre)motor networks at rest: new evidence from the Human Connectome Project. European Journal of Neuroscience, 2017, 45, 1224-1229.	1.2	41
332	Neural Mechanism Underling Comprehension of Narrative Speech and Its Heritability: Study in a Large Population. Brain Topography, 2017, 30, 592-609.	0.8	16
333	Standing and travelling waves in a spherical brain model: The Nunez model revisited. Physica D: Nonlinear Phenomena, 2017, 349, 27-45.	1.3	30
334	Longitudinal test-retest neuroimaging data from healthy young adults in southwest China. Scientific Data, 2017, 4, 170017.	2.4	109
335	JIVE integration of imaging and behavioral data. NeuroImage, 2017, 152, 38-49.	2.1	28
336	On the mechanical behaviour of PEEK and HA cranial implants under impact loading. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 69, 342-354.	1.5	70
337	Using connectome-based predictive modeling to predict individual behavior from brain connectivity. Nature Protocols, 2017, 12, 506-518.	5.5	766
338	Image quality transfer and applications in diffusion MRI. NeuroImage, 2017, 152, 283-298.	2.1	91
339	Cognitive genomics: Linking genes to behavior in the human brain. Network Neuroscience, 2017, 1, 3-13.	1.4	11
340	Functional connectomics from a â€œbig dataâ€•perspective. NeuroImage, 2017, 160, 152-167.	2.1	77
341	Trait Impulsivity and the Externalizing Spectrum. Annual Review of Clinical Psychology, 2017, 13, 343-368.	6.3	145
342	Clinically useful brain imaging for neuropsychiatry: How can we get there?. Depression and Anxiety, 2017, 34, 578-587.	2.0	25
343	Transcriptional signatures of connectomic subregions of the human striatum. Genes, Brain and Behavior, 2017, 16, 647-663.	1.1	36
344	Continuous representations of brain connectivity using spatial point processes. Medical Image Analysis, 2017, 41, 32-39.	7.0	16
345	Brain networks, structural realism, and local approaches to the scientific realism debate. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2017, 64, 1-10.	0.8	2
346	Individual parcellation of resting fMRI with a group functional connectivity prior. NeuroImage, 2017, 156, 87-100.	2.1	80

#	Article	IF	Citations
347	Heritability analysis with repeat measurements and its application to resting-state functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5521-5526.	3.3	122
348	Sex differences in brain size and general intelligence (g). Intelligence, 2017, 63, 78-88.	1.6	28
349	Automated Selection of Robust Individual-Level Structural Equation Models for Time Series Data. Structural Equation Modeling, 2017, 24, 768-782.	2.4	38
350	Connectome imaging for mapping human brain pathways. Molecular Psychiatry, 2017, 22, 1230-1240.	4.1	100
351	An algorithm for automatic parameter adjustment for brain extraction in BrainSuite. , 2017, , .		0
352	Progress toward openness, transparency, and reproducibility in cognitive neuroscience. Annals of the New York Academy of Sciences, 2017, 1396, 5-18.	1.8	76
353	Multisite reliability of MR-based functional connectivity. NeuroImage, 2017, 146, 959-970.	2.1	140
354	Tradeoffs in pushing the spatial resolution of fMRI for the 7T Human Connectome Project. NeuroImage, 2017, 154, 23-32.	2.1	117
355	Deconstructing white matter connectivity of human amygdala nuclei with thalamus and cortex subdivisions in vivo. Human Brain Mapping, 2017, 38, 3927-3940.	1.9	57
356	Cross-population myelination covariance of human cerebral cortex. Human Brain Mapping, 2017, 38, 4730-4743.	1.9	22
357	Flexible large-scale fMRI analysis: A survey. , 2017, , .		4
358	Gaussian process regression can turn non-uniform and undersampled diffusion MRI data into diffusion spectrum imaging. , 2017, , .		4
359	Capgras syndrome: neuroanatomical assessment of brain MRI findings in an adolescent patient. Brain, 2017, 140, e43-e43.	3.7	5
360	Spontaneous brain network activity: Analysis of its temporal complexity. Network Neuroscience, 2017, 1, 100-115.	1.4	36
361	Fluid and flexible minds: Intelligence reflects synchrony in the brainâ€™s intrinsic network architecture. Network Neuroscience, 2017, 1, 192-207.	1.4	57
362	A non-iterative multi-scale approach for intensity inhomogeneity correction in MRI. Magnetic Resonance Imaging, 2017, 42, 43-59.	1.0	18
363	Multimodal connectivityâ€based parcellation reveals a shellâ€core dichotomy of the human nucleus accumbens. Human Brain Mapping, 2017, 38, 3878-3898.	1.9	42
364	Spontaneous activity in the visual cortex is organized by visual streams. Human Brain Mapping, 2017, 38, 4613-4630.	1.9	9

#	Article	IF	Citations
365	Can brain state be manipulated to emphasize individual differences in functional connectivity?. NeuroImage, 2017, 160, 140-151.	2.1	266
366	Quantifying the brain's sheet structure with normalized convolution. Medical Image Analysis, 2017, 39, 162-177.	7.0	15
367	Occipital White Matter Tracts in Human and Macaque. Cerebral Cortex, 2017, 27, 3346-3359.	1.6	73
368	A Unified Theory of Neuro-MRI Data Shows Scale-Free Nature of Connectivity Modes. Neural Computation, 2017, 29, 1441-1467.	1.3	12
369	Semi-local tractography strategies using neighborhood information. Medical Image Analysis, 2017, 38, 165-183.	7.0	2
370	White matter connections of the inferior parietal lobule: A study of surgical anatomy. Brain and Behavior, 2017, 7, e00640.	1.0	53
371	Population based MRI and DTI templates of the adult ferret brain and tools for voxelwise analysis. NeuroImage, 2017, 152, 575-589.	2.1	30
372	The obese brain as a heritable phenotype: a combined morphometry and twin study. International Journal of Obesity, 2017, 41, 458-466.	1.6	23
373	Anatomical evidence for functional diversity in the mesencephalic locomotor region of primates. NeuroImage, 2017, 147, 66-78.	2.1	22
374	Correspondence between evoked and intrinsic functional brain network configurations. Human Brain Mapping, 2017, 38, 1992-2007.	1.9	92
375	Scanning the horizon: towards transparent and reproducible neuroimaging research. Nature Reviews Neuroscience, 2017, 18, 115-126.	4.9	1,041
376	Biological Relevance of Network Architecture. Advances in Experimental Medicine and Biology, 2017, 988, 1-29.	0.8	3
377	Resting-state Functional Magnetic Resonance Imaging in Presurgical Functional Mapping. Neuroimaging Clinics of North America, 2017, 27, 621-633.	0.5	53
378	A Sparse Bayesian Learning Algorithm forÂWhite Matter Parameter Estimation fromÂCompressed Multi-shell Diffusion MRI. Lecture Notes in Computer Science, 2017, 10433, 602-610.	1.0	0
379	Dynamics of functional connectivity at high spatial resolution reveal long-range interactions and fine-scale organization. Scientific Reports, 2017, 7, 12773.	1.6	32
380	A Multi-armed Bandit to Smartly Select a Training Set from Big Medical Data. Lecture Notes in Computer Science, 2017, , 38-45.	1.0	2
381	Sensitivity analysis of human brain structural network construction. Network Neuroscience, 2017, 1, 446-467.	1.4	18
382	Psilocybin for treatment-resistant depression: fMRI-measured brain mechanisms. Scientific Reports, 2017, 7, 13187.	1.6	346

#	Article	IF	Citations
383	EEG-Based Brain-Computer Interfaces: A Novel Neurotechnology and Computational Intelligence Method. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 16-26.	1.2	31
384	Robust Fusion of Diffusion MRI Data for Template Construction. Scientific Reports, 2017, 7, 12950.	1.6	10
385	Quantifying person-level brain network functioning to facilitate clinical translation. Translational Psychiatry, 2017, 7, e1248-e1248.	2.4	24
386	Comparative evaluation of big-data systems on scientific image analytics workloads. Proceedings of the VLDB Endowment, 2017, 10, 1226-1237.	2.1	36
387	Choosing Prediction Over Explanation in Psychology: Lessons From Machine Learning. Perspectives on Psychological Science, 2017, 12, 1100-1122.	5.2	1,063
388	Sensory-biased attention networks in human lateral frontal cortex revealed by intrinsic functional connectivity. NeuroImage, 2017, 162, 362-372.	2.1	30
389	Resting-State Functional Connectivity in the Human Connectome Project: Current Status and Relevance to Understanding Psychopathology. Harvard Review of Psychiatry, 2017, 25, 209-217.	0.9	25
390	Neuroanatomical foundations of delayed reward discounting decision making. NeuroImage, 2017, 161, 261-270.	2.1	54
391	Interpreting temporal fluctuations in resting-state functional connectivity MRI. NeuroImage, 2017, 163, 437-455.	2.1	234
392	Dynamic Regression for Partial Correlation and Causality Analysis of Functional Brain Networks. Lecture Notes in Computer Science, 2017, , 365-372.	1.0	0
394	Methods and Considerations for Dynamic Analysis of Functional MR Imaging Data. Neuroimaging Clinics of North America, 2017, 27, 547-560.	0.5	31
395	Multidimensional encoding of brain connectomes. Scientific Reports, 2017, 7, 11491.	1.6	33
396	Estimating directed brain-brain and brain-heart connectivity through globally conditioned Granger causality approaches. , 2017, 2017, 4367-4370.		1
397	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 3. BMC Neuroscience, 2017, 18, .	0.8	7
398	Developing a Comprehensive Framework for Multimodal Feature Extraction. , 2017, , .		33
399	Neuroimaging biomarkers to associate obesity and negative emotions. Scientific Reports, 2017, 7, 7664.	1.6	15
400	Contribution of transcranial magnetic stimulation to assessment of brain connectivity and networks. Clinical Neurophysiology, 2017, 128, 2125-2139.	0.7	119
401	Multimodal neural correlates of cognitive control in the Human Connectome Project. NeuroImage, 2017, 163, 41-54.	2.1	34

#	Article	IF	Citations
402	Tissue microstructure estimation using a deep network inspired by a dictionary-based framework. Medical Image Analysis, 2017, 42, 288-299.	7.0	28
403	Learning-based structurally-guided construction of resting-state functional correlation tensors. Magnetic Resonance Imaging, 2017, 43, 110-121.	1.0	17
404	Functional density and edge maps: Characterizing functional architecture in individuals and improving cross-subject registration. NeuroImage, 2017, 158, 346-355.	2.1	28
405	Fiber tractography using machine learning. NeuroImage, 2017, 158, 417-429.	2.1	46
406	Comparison of distances for supervised segmentation of white matter tractography. , 2017, , .		10
407	Functional corticostriatal connection topographies predict goal-directed behaviour in humans. Nature Human Behaviour, 2017, 1, 0146.	6.2	126
408	The independent influences of age and education on functional brain networks and cognition in healthy older adults. Human Brain Mapping, 2017, 38, 5094-5114.	1.9	49
409	Evaluating the replicability, specificity, and generalizability of connectome fingerprints. NeuroImage, 2017, 158, 371-377.	2.1	54
410	The significance of negative correlations in brain connectivity. Journal of Comparative Neurology, 2017, 525, 3251-3265.	0.9	53
411	Precision Functional Mapping of Individual Human Brains. Neuron, 2017, 95, 791-807.e7.	3.8	948
412	Perceived stress is associated with increased rostral middle frontal gyrus cortical thickness: a familyâ€based and discordantâ€sibling investigation. Genes, Brain and Behavior, 2017, 16, 781-789.	1.1	38
413	Contextual connectivity: A framework for understanding the intrinsic dynamic architecture of large-scale functional brain networks. Scientific Reports, 2017, 7, 6537.	1.6	38
414	Elucidating functional differences between cortical gyri and sulci via sparse representation HCP grayordinate fMRI data. Brain Research, 2017, 1672, 81-90.	1.1	20
415	Big Data and Neuroimaging. Statistics in Biosciences, 2017, 9, 543-558.	0.6	11
416	A Bayesian spatial model for neuroimaging data based on biologically informed basis functions. NeuroImage, 2017, 161, 134-148.	2.1	18
417	Memory Processing in the Nervous System. Advanced Information and Knowledge Processing, 2017, , 83-98.	0.2	1
418	Bayesian Diffusion Tensor Estimation with Spatial Priors. Lecture Notes in Computer Science, 2017, , 372-383.	1.0	7
419	Real-time motion analytics during brain MRI improve data quality and reduce costs. NeuroImage, 2017, 161, 80-93.	2.1	221

#	Article	IF	Citations
420	Whole brain functional connectivity predicted by indirect structural connections. , 2017, , .		4
421	Postoperative seizure freedom does not normalize altered connectivity in temporal lobe epilepsy. Epilepsia, 2017, 58, 1842-1851.	2.6	15
422	Neuroscience: Connectivity mapping and behaviour. Nature Human Behaviour, 2017, 1, .	6.2	1
423	Gauge Fields in the Central Nervous System. Springer Series in Cognitive and Neural Systems, 2017, , 193-212.	0.1	7
424	Generative models for network neuroscience: prospects and promise. Journal of the Royal Society Interface, 2017, 14, 20170623.	1.5	89
425	PEAR: PEriodic And fixed Rank separation for fast fMRI. Medical Physics, 2017, 44, 6166-6182.	1.6	11
426	Converging evidence for the role of transmodal cortex in cognition. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12641-12643.	3.3	20
427	Resting-State fMRI Functional Connectivity: Big Data Preprocessing Pipelines and Topological Data Analysis. IEEE Transactions on Big Data, 2017, 3, 415-428.	4.4	43
428	Human brain atlasing: past, present and future. Neuroradiology Journal, 2017, 30, 504-519.	0.6	19
429	Computational and mathematical methods in brain atlasing. Neuroradiology Journal, 2017, 30, 520-534.	0.6	6
430	The diverse club. Nature Communications, 2017, 8, 1277.	5.8	124
431	White matter tractography for neurosurgical planning: A topography-based review of the current state of the art. NeuroImage: Clinical, 2017, 15, 659-672.	1.4	162
432	Quicksilver: Fast predictive image registration â€“ A deep learning approach. NeuroImage, 2017, 158, 378-396.	2.1	444
433	End-to-end learning of brain tissue segmentation from imperfect labeling. , 2017, , .		16
434	Investigations into within- and between-subject resting-state amplitude variations. NeuroImage, 2017, 159, 57-69.	2.1	90
435	Predicting cortical 3-hinge locations via structural connective features. , 2017, , .		1
436	Comparing test-retest reliability of dynamic functional connectivity methods. NeuroImage, 2017, 158, 155-175.	2.1	156
437	Two social brains: neural mechanisms of intersubjectivity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160245.	1.8	63

#	Article	IF	Citations
438	Bridging the gap between system and cell: The role of ultra-high field MRI in human neuroscience. Progress in Brain Research, 2017, 233, 179-220.	0.9	11
439	Body Topography Parcellates Human Sensory and Motor Cortex. Cerebral Cortex, 2017, 27, 3790-3805.	1.6	75
440	Fiberprint: A subject fingerprint based on sparse code pooling for white matter fiber analysis. NeuroImage, 2017, 158, 242-259.	2.1	39
441	Extraction of common task signals and spatial maps from group fMRI using a PARAFAC-based tensor decomposition technique. , 2017, , .		12
442	Joint prediction of multiple scores captures better individual traits from brain images. NeuroImage, 2017, 158, 145-154.	2.1	35
443	Analysis of alcohol use disorders from the Nathan Kline Instituteâ€"Rockland Sample: Correlation of brain cortical thickness with neuroticism. Drug and Alcohol Dependence, 2017, 170, 66-73.	1.6	10
444	Structural and functional connectivity of the precuneus and thalamus to the default mode network. Human Brain Mapping, 2017, 38, 938-956.	1.9	157
445	Empirical validation of directed functional connectivity. NeuroImage, 2017, 146, 275-287.	2.1	33
446	Precise Inference and Characterization of Structural Organization (PICASO) of tissue from molecular diffusion. NeuroImage, 2017, 146, 452-473.	2.1	17
447	Disentangling micro from mesostructure by diffusion MRI: A Bayesian approach. NeuroImage, 2017, 147, 964-975.	2.1	138
448	Neural complexity as a potential translational biomarker for psychosis. Journal of Affective Disorders, 2017, 216, 89-99.	2.0	46
449	Convexity-constrained and nonnegativity-constrained spherical factorization in diffusion-weighted imaging. NeuroImage, 2017, 146, 507-517.	2.1	18
450	Age-related change and the predictive value of the â€œResting stateâ€• a commentary on Campbell and Schacter (2016). Language, Cognition and Neuroscience, 2017, 32, 674-677.	0.7	12
451	Resting-state networks do not determine cognitive function networks: a commentary on Campbell and Schacter (2016). Language, Cognition and Neuroscience, 2017, 32, 669-673.	0.7	33
452	Ketamine modulates hippocampal neurochemistry and functional connectivity: a combined magnetic resonance spectroscopy and resting-state fMRI study in healthy volunteers. Molecular Psychiatry, 2017, 22, 562-569.	4.1	91
453	Data Quality Influences Observed Links Between Functional Connectivity and Behavior. Cerebral Cortex, 2017, 27, 4492-4502.	1.6	246
454	Auditory and visual connectivity gradients in frontoparietal cortex. Human Brain Mapping, 2017, 38, 255-270.	1.9	35
455	Defining biotypes for depression and anxiety based on large-scale circuit dysfunction: a theoretical review of the evidence and future directions for clinical translation. Depression and Anxiety, 2017, 34, 9-24.	2.0	213

#	Article	IF	Citations
456	Generalized reduced rank latent factor regression for high dimensional tensor fields, and neuroimaging-genetic applications. NeuroImage, 2017, 144, 35-57.	2.1	9
457	Anatomical dysconnectivity in bipolar disorder compared with schizophrenia: A selective review of structural network analyses using diffusion MRI. Journal of Affective Disorders, 2017, 209, 217-228.	2.0	95
458	Automated white matter fiber tract identification in patients with brain tumors. NeuroImage: Clinical, 2017, 13, 138-153.	1.4	109
459	Motionâ€related artifacts in structural brain images revealed with independent estimates of inâ€scanner head motion. Human Brain Mapping, 2017, 38, 472-492.	1.9	151
460	Individual-specific features of brain systems identified with resting state functional correlations. NeuroImage, 2017, 146, 918-939.	2.1	195
461	Active delineation of Meyer's loop using oriented priors through MAGNEtic tractography (MAGNET). Human Brain Mapping, 2017, 38, 509-527.	1.9	42
462	PEAR: PEriodic and ApeRiodic signal separation for fast FMRI. , 2017, 2017, 505-508.		2
463	A Systematic Relationship Between Functional Connectivity and Intracortical Myelin in the Human Cerebral Cortex. Cerebral Cortex, 2017, 27, 981-997.	1.6	233
464	Influences on the Testâ€“Retest Reliability of Functional Connectivity MRI and its Relationship with Behavioral Utility. Cerebral Cortex, 2017, 27, 5415-5429.	1.6	300
465	Sparse Exact PGA on Riemannian Manifolds. , 2017, , .		4
466	Talpidae. , 2017, , .		0
467	A Geometric Framework for Statistical Analysis of Trajectories with Distinct Temporal Spans. , 2017, 2017, 172-181.		6
468	Transfer learning for brain decoding using deep architectures. , 2017, , .		4
469	Simultaneous estimation of the in-mean and in-variance causal connectomes of the human brain. , 2017, 2017, 4371-4374.		3
470	Ultra-High Field NMR and MRIâ€”The Role of Magnet Technology to Increase Sensitivity and Specificity. Frontiers in Physics, 2017, 5, .	1.0	62
471	Functional Connectivity of Cognitive Brain Networks in Schizophrenia during a Working Memory Task. Frontiers in Psychiatry, 2017, 8, 294.	1.3	33
472	Psychosis in parkinsonism: an unorthodox approach. Neuropsychiatric Disease and Treatment, 2017, Volume 13, 1313-1330.	1.0	13
473	Connectomes as constitutively epistemic objects: Critical perspectives on modeling in current neuroanatomy. Progress in Brain Research, 2017, 233, 149-177.	0.9	5

#	Article	IF	Citations
474	Multivariate cross-frequency coupling via generalized eigendecomposition. ELife, 2017, 6, .	2.8	54
475	A Review of Issues Related to Data Acquisition and Analysis in EEG/MEG Studies. Brain Sciences, 2017, 7, 58.	1.1	112
476	Disrupted Thalamus White Matter Anatomy and Posterior Default Mode Network Effective Connectivity in Amnestic Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 370.	1.7	22
477	In vivo Exploration of the Connectivity between the Subthalamic Nucleus and the Globus Pallidus in the Human Brain Using Multi-Fiber Tractography. Frontiers in Neuroanatomy, 2016, 10, 119.	0.9	16
478	The Superior Fronto-Occipital Fasciculus in the Human Brain Revealed by Diffusion Spectrum Imaging Tractography: An Anatomical Reality or a Methodological Artifact?. Frontiers in Neuroanatomy, 2017, 11, 119.	0.9	32
479	Resting State fMRI in Mice Reveals Anesthesia Specific Signatures of Brain Functional Networks and Their Interactions. Frontiers in Neural Circuits, 2017, 11, 5.	1.4	60
480	Synaptic Impairment and Robustness of Excitatory Neuronal Networks with Different Topologies. Frontiers in Neural Circuits, 2017, 11, 38.	1.4	6
481	Resting-State Functional Connectivity and Network Analysis of Cerebellum with Respect to IQ and Gender. Frontiers in Human Neuroscience, 2017, 11, 189.	1.0	34
482	Cortex Parcellation Associated Whole White Matter Parcellation in Individual Subjects. Frontiers in Human Neuroscience, 2017, 11, 352.	1.0	7
483	Advances in Studying Brain Morphology: The Benefits of Open-Access Data. Frontiers in Human Neuroscience, 2017, 11, 405.	1.0	29
484	Cyberinfrastructure for Open Science at the Montreal Neurological Institute. Frontiers in Neuroinformatics, 2016, 10, 53.	1.3	28
485	Approximate Subject Specific Pseudo MRI from an Available MRI Dataset for MEG Source Imaging. Frontiers in Neuroinformatics, 2017, 11, 50.	1.3	21
486	Connecting the Brain to Itself through an Emulation. Frontiers in Neuroscience, 2017, 11, 373.	1.4	7
487	Bayesian Rician Regression for Neuroimaging. Frontiers in Neuroscience, 2017, 11, 586.	1.4	6
488	Multivariate Heteroscedasticity Models for Functional Brain Connectivity. Frontiers in Neuroscience, 2017, 11, 696.	1.4	9
489	Complex Brain Network Analysis and Its Applications to Brain Disorders: A Survey. Complexity, 2017, 2017, 1-27.	0.9	90
490	Anatomical and functional organization of the human substantia nigra and its connections. ELife, 2017, 6, .	2.8	86
491	From wearable robotics to quantifiable outcomes: In vivo imaging biomarkers to accelerate the translation of new interventions in neurorehabilitation. , 2017, , .		0

#	Article	IF	Citations
492	The Human Brain. , 2017, , 125-149.		15
493	The visual white matter: The application of diffusion MRI and fiber tractography to vision science. Journal of Vision, 2017, 17, 4.	0.1	66
494	A Novel Richardson-Lucy Model with Dictionary Basis and Spatial Regularization for Isolating Isotropic Signals. PLoS ONE, 2017, 12, e0168864.	1.1	2
495	The relation between statistical power and inference in fMRI. PLoS ONE, 2017, 12, e0184923.	1.1	263
496	Mindboggling morphometry of human brains. PLoS Computational Biology, 2017, 13, e1005350.	1.5	448
497	Feasibility of Diffusion Tensor Imaging at 1.5T Using Multi-Band Echo Planar Acquisition. Magnetic Resonance in Medical Sciences, 2017, 16, 169-175.	1.1	5
498	Restoration of Bi-Contrast MRI Data for Intensity Uniformity with Bayesian Coring of Co-Occurrence Statistics. Journal of Imaging, 2017, 3, 67.	1.7	2
499	The Myth of Optimality in Clinical Neuroscience. Trends in Cognitive Sciences, 2018, 22, 241-257.	4.0	70
500	Prediction complements explanation in understanding the developing brain. Nature Communications, 2018, 9, 589.	5.8	144
501	Co-activation patterns in resting-state fMRI signals. NeuroImage, 2018, 180, 485-494.	2.1	141
502	Evidence for association between familial bipolar risk and ventral striatal volume. Journal of Affective Disorders, 2018, 232, 69-72.	2.0	6
503	A Graph Signal Processing Perspective on Functional Brain Imaging. Proceedings of the IEEE, 2018, 106, 868-885.	16.4	172
504	Impact of global signal regression on characterizing dynamic functional connectivity and brain states. NeuroImage, 2018, 173, 127-145.	2.1	41
505	Functional differentiation between convergence and non-convergence zones of the striatum in children. NeuroImage, 2018, 173, 384-393.	2.1	4
506	Local connectome phenotypes predict social, health, and cognitive factors. Network Neuroscience, 2018, 2, 86-105.	1.4	22
507	How to Characterize the Function of a Brain Region. Trends in Cognitive Sciences, 2018, 22, 350-364.	4.0	158
508	A high-resolution probabilistic in vivo atlas of human subcortical brain nuclei. Scientific Data, 2018, 5, 180063.	2.4	312
509	Core networks and their reconfiguration patterns across cognitive loads. Human Brain Mapping, 2018, 39, 3546-3557.	1.9	27

#	Article	IF	Citations
510	An asymptotic theory for cross-correlation between auto-correlated sequences and its application on neuroimaging data. Journal of Neuroscience Methods, 2018, 304, 52-65.	1.3	0
511	A gyral coordinate system predictive of fibre orientations. NeuroImage, 2018, 176, 417-430.	2.1	13
512	White matter pathways and social cognition. Neuroscience and Biobehavioral Reviews, 2018, 90, 350-370.	2.9	62
513	Increased cerebral functional connectivity in ALS. Neurology, 2018, 90, e1418-e1424.	1.5	26
514	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
515	A joint spaceâ€angle regularization approach for single 4D diffusion image superâ€resolution. Magnetic Resonance in Medicine, 2018, 80, 2173-2187.	1.9	1
516	Highâ€resolution wholeâ€brain diffusion MRI at 7T using radiofrequency parallel transmission. Magnetic Resonance in Medicine, 2018, 80, 1857-1870.	1.9	31
517	Directed functional connectivity using dynamic graphical models. NeuroImage, 2018, 175, 340-353.	2.1	23
518	Computational Diffusion MRI. Mathematics and Visualization, 2018, , .	0.4	0
519	Neurocognitive Function after Cardiac Surgery. Anesthesiology, 2018, 129, 829-851.	1.3	157
520	Estimating fiber orientation distribution from diffusion MRI with spherical needlets. Medical Image Analysis, 2018, 46, 57-72.	7.0	7
521	Bayesian uncertainty quantification in linear models for diffusion MRI. NeuroImage, 2018, 175, 272-285.	2.1	14
522	Individual Identification Using the Functional Brain Fingerprint Detected by the Recurrent Neural Network. Brain Connectivity, 2018, 8, 197-204.	0.8	24
523	Impaired corticomuscular and interhemispheric cortical beta oscillation coupling in amyotrophic lateral sclerosis. Clinical Neurophysiology, 2018, 129, 1479-1489.	0.7	36
524	Inter-subject phase synchronization for exploratory analysis of task-fMRI. NeuroImage, 2018, 176, 477-488.	2.1	17
525	Joint Estimation of Effective Brain Wave Activation Modes Using EEG/MEG Sensor Arrays and Multimodal MRI Volumes. Neural Computation, 2018, 30, 1725-1749.	1.3	5
526	$$delta $$ -MAPS: From fMRI Data to Functional Brain Networks. Studies in Computational Intelligence, 2018, , 1237-1249.	0.7	0
527	The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. NeuroImage, 2018, 173, 88-112.	2.1	315

#	Article	IF	Citations
528	LMap: Shape-Preserving Local Mappings for Biomedical Visualization. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 3111-3122.	2.9	4
529	Both activated and lessâ€activated regions identified by functional <scp>MRI</scp> reconfigure to support task executions. Brain and Behavior, 2018, 8, e00893.	1.0	13
530	Studying individual differences in human adolescent brain development. Nature Neuroscience, 2018, 21, 315-323.	7.1	288
531	Spatial coherence of oriented white matter microstructure: Applications to white matter regions associated with genetic similarity. NeuroImage, 2018, 172, 390-403.	2.1	1
532	Neurite imaging reveals microstructural variations in human cerebral cortical gray matter. NeuroImage, 2018, 182, 488-499.	2.1	164
533	Subcortical evidence for a contribution of arousal to fMRI studies of brain activity. Nature Communications, 2018, 9, 395.	5.8	174
534	Statistical Challenges in â€œBig Dataâ€•Human Neuroimaging. Neuron, 2018, 97, 263-268.	3.8	268
535	Preliminary evidence for genetic overlap between body mass index and striatal reward response. Translational Psychiatry, 2018, 8, 19.	2.4	11
536	Dopaminergic abnormalities following traumatic brain injury. Brain, 2018, 141, 797-810.	3.7	53
537	Spectral mapping of brain functional connectivity from diffusion imaging. Scientific Reports, 2018, 8, 1411.	1.6	78
538	Computational neuroanatomy of human stratum proprium of interparietal sulcus. Brain Structure and Function, 2018, 223, 489-507.	1.2	19
539	Mapping population-based structural connectomes. NeuroImage, 2018, 172, 130-145.	2.1	66
540	Triple representation of language, working memory, social and emotion processing in the cerebellum: convergent evidence from task and seed-based resting-state fMRI analyses in a single large cohort. NeuroImage, 2018, 172, 437-449.	2.1	329
541	Are you thinking what I'm thinking? Synchronization of resting fMRI time-series across subjects. NeuroImage, 2018, 172, 740-752.	2.1	32
542	Assessing diffusion kurtosis tensor estimation methods using a digital brain phantom derived from human connectome project data. Magnetic Resonance Imaging, 2018, 48, 122-128.	1.0	1
543	Insight and inference for DVARS. NeuroImage, 2018, 172, 291-312.	2.1	76
544	Stochastic Subsampling for Factorizing Huge Matrices. IEEE Transactions on Signal Processing, 2018, 66, 113-128.	3.2	16
545	Dynamic pattern decoding of source-reconstructed MEG or EEG data: Perspective of multivariate pattern analysis and signal leakage. Computers in Biology and Medicine, 2018, 93, 106-116.	3.9	8

#	Article	IF	Citations
546	Landmarking Brains. , 2018, , 115-126.		6
547	LEICA: Laplacian eigenmaps for group ICA decomposition of fMRI data. NeuroImage, 2018, 169, 363-373.	2.1	15
548	Considering factors affecting the connectome-based identification process: Comment on Waller etÂal.. NeuroImage, 2018, 169, 172-175.	2.1	50
549	Double diffusion encoding MRI for the clinic. Magnetic Resonance in Medicine, 2018, 80, 507-520.	1.9	63
550	Using diffusion MRI to discriminate areas of cortical grey matter. NeuroImage, 2018, 182, 456-468.	2.1	31
551	Differentially categorized structural brain hubs are involved in different microstructural, functional, and cognitive characteristics and contribute to individual identification. Human Brain Mapping, 2018, 39, 1647-1663.	1.9	15
552	Altered caudate connectivity is associated with executive dysfunction after traumatic brain injury. Brain, 2018, 141, 148-164.	3.7	56
553	A widespread visually-sensitive functional network relates to symptoms in essential tremor. Brain, 2018, 141, 472-485.	3.7	71
554	A platform of digital brain using crowd power. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 78-90.	1.5	2
555	Transferring and generalizing deep-learning-based neural encoding models across subjects. NeuroImage, 2018, 176, 152-163.	2.1	22
556	Network-Based Asymmetry of the Human Auditory System. Cerebral Cortex, 2018, 28, 2655-2664.	1.6	51
557	Reconstructing the Neanderthal brain using computational anatomy. Scientific Reports, 2018, 8, 6296.	1.6	96
558	High-Performance Correlation and Mapping Engine for rapid generating brain connectivity networks from big fMRI data. Journal of Computational Science, 2018, 26, 157-164.	1.5	5
559	Robustness of Representative Signals Relative to Data Loss Using Atlas-Based Parcellations. Brain Topography, 2018, 31, 767-779.	0.8	4
560	Neonatal Transitions in Social Behavior and Their Implications for Autism. Trends in Cognitive Sciences, 2018, 22, 452-469.	4.0	90
561	Effect of different spatial normalization approaches on tractography and structural brain networks. Network Neuroscience, 2018, 2, 362-380.	1.4	20
562	Estimating the impact of structural directionality: How reliable are undirected connectomes?. Network Neuroscience, 2018, 2, 259-284.	1.4	33
563	Improved estimation of subject-level functional connectivity using full and partial correlation with empirical Bayes shrinkage. NeuroImage, 2018, 172, 478-491.	2.1	31

#	Article	IF	Citations
564	Distinct functional and structural neural underpinnings of working memory. NeuroImage, 2018, 174, 463-471.	2.1	42
565	Function-specific and Enhanced Brain Structural Connectivity Mapping via Joint Modeling of Diffusion and Functional MRI. Scientific Reports, 2018, 8, 4741.	1.6	35
566	Riemannian metric optimization on surfaces (RMOS) for intrinsic brain mapping in the Laplaceâ€“Beltrami embedding space. Medical Image Analysis, 2018, 46, 189-201.	7.0	14
567	Predicting personality from network-based resting-state functional connectivity. Brain Structure and Function, 2018, 223, 2699-2719.	1.2	119
568	Revolution of Alzheimer Precision Neurology. Passageway of Systems Biology and Neurophysiology. Journal of Alzheimer's Disease, 2018, 64, S47-S105.	1.2	122
569	Elevated body-mass index is associated with reduced white matter integrity in two large independent cohorts. Psychoneuroendocrinology, 2018, 91, 179-185.	1.3	55
570	Artificial limb representation in amputees. Brain, 2018, 141, 1422-1433.	3.7	53
571	Temporal Dynamics Assessment of Spatial Overlap Pattern of Functional Brain Networks Reveals Novel Functional Architecture of Cerebral Cortex. IEEE Transactions on Biomedical Engineering, 2018, 65, 1183-1192.	2.5	34
572	Classification and treatment of antisocial individuals: From behavior to biocognition. Neuroscience and Biobehavioral Reviews, 2018, 91, 259-277.	2.9	82
573	Manual segmentation of the fornix, fimbria, and alveus on high-resolution 3T MRI: Application via fully-automated mapping of the human memory circuit white and grey matter in healthy and pathological aging. NeuroImage, 2018, 170, 132-150.	2.1	55
574	Diffusion MRI of the human brain at ultra-high field (UHF): A review. NeuroImage, 2018, 168, 172-180.	2.1	28
575	Individualized Prediction of Reading Comprehension Ability Using Gray Matter Volume. Cerebral Cortex, 2018, 28, 1656-1672.	1.6	77
576	Human brain mapping: A systematic comparison of parcellation methods for the human cerebral cortex. NeuroImage, 2018, 170, 5-30.	2.1	280
577	Objective analysis of the topological organization of the human cortical visual connectome suggests three visual pathways. Cortex, 2018, 98, 73-83.	1.1	31
578	Gray-matter structural variability in the human cerebellum: Lobule-specific differences across sex and hemisphere. NeuroImage, 2018, 170, 164-173.	2.1	33
579	Evaluation of SLIce Dithered Enhanced Resolution Simultaneous MultiSlice (SLIDER-SMS) for human fMRI. NeuroImage, 2018, 164, 164-171.	2.1	15
580	Topographic organization of the cerebral cortex and brain cartography. NeuroImage, 2018, 170, 332-347.	2.1	148
581	Working memory capacity and the functional connectome - insights from resting-state fMRI and voxelwise centrality mapping. Brain Imaging and Behavior, 2018, 12, 238-246.	1.1	12

#	Article	IF	Citations
582	A critical analysis of neuroanatomical software protocols reveals clinically relevant differences in parcellation schemes. NeuroImage, 2018, 170, 348-364.	2.1	22
583	A Template and Probabilistic Atlas of the Human Sensorimotor Tracts using Diffusion MRI. Cerebral Cortex, 2018, 28, 1685-1699.	1.6	101
584	Gradient and shim technologies for ultra high field MRI. NeuroImage, 2018, 168, 59-70.	2.1	75
585	Extendable supervised dictionary learning for exploring diverse and concurrent brain activities in task-based fMRI. Brain Imaging and Behavior, 2018, 12, 743-757.	1.1	12
586	Joint representation of consistent structural and functional profiles for identification of common cortical landmarks. Brain Imaging and Behavior, 2018, 12, 728-742.	1.1	7
587	Functional brain networks reconstruction using group sparsity-regularized learning. Brain Imaging and Behavior, 2018, 12, 758-770.	1.1	2
588	Functional connectivity density mapping: comparing multiband and conventional EPI protocols. Brain Imaging and Behavior, 2018, 12, 848-859.	1.1	17
589	Cross-validation failure: Small sample sizes lead to large error bars. NeuroImage, 2018, 180, 68-77.	2.1	440
590	Modeling and interpreting mesoscale network dynamics. NeuroImage, 2018, 180, 337-349.	2.1	101
591	Imaging at ultrahigh magnetic fields: History, challenges, and solutions. NeuroImage, 2018, 168, 7-32.	2.1	98
592	StimVision Software: Examples and Applications in Subcallosal Cingulate Deep Brain Stimulation for Depression. Neuromodulation, 2018, 21, 191-196.	0.4	63
593	Connectopic mapping with resting-state fMRI. NeuroImage, 2018, 170, 83-94.	2.1	203
594	Discovering dynamic brain networks from big data in rest and task. NeuroImage, 2018, 180, 646-656.	2.1	253
595	Recognition of white matter bundles using local and global streamline-based registration and clustering. NeuroImage, 2018, 170, 283-295.	2.1	205
596	Convolutional neural network-based encoding and decoding of visual object recognition in space and time. NeuroImage, 2018, 180, 253-266.	2.1	80
597	Structural Variability Across the Primate Brain: A Cross-Species Comparison. Cerebral Cortex, 2018, 28, 3829-3841.	1.6	84
598	Heritability of the human connectome: A connectotyping study. Network Neuroscience, 2018, 2, 175-199.	1.4	94
599	Structureâ€“function relationships during segregated and integrated network states of human brain functional connectivity. Brain Structure and Function, 2018, 223, 1091-1106.	1.2	103

#	Article	IF	Citations
600	Segmenting hippocampal subfields from 3T MRI with multi-modality images. Medical Image Analysis, 2018, 43, 10-22.	7.0	14
601	Dynamic Functional Connectivity States Reflecting Psychotic-like Experiences. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 443-453.	1.1	33
602	Director Field Analysis (DFA): Exploring Local White Matter Geometric Structure in Diffusion MRI. Medical Image Analysis, 2018, 43, 112-128.	7.0	9
603	Combining region- and network-level brain-behavior relationships in a structural equation model. NeuroImage, 2018, 165, 158-169.	2.1	18
604	Frequency dependent hub role of the dorsal and ventral right anterior insula. NeuroImage, 2018, 165, 112-117.	2.1	96
605	A Dynamic Regression Approach for Frequency-Domain Partial Coherence and Causality Analysis of Functional Brain Networks. IEEE Transactions on Medical Imaging, 2018, 37, 1957-1969.	5.4	8
606	An exemplar-based approach to individualized parcellation reveals the need for sex specific functional networks. NeuroImage, 2018, 170, 54-67.	2.1	38
607	The role of wholeâ€brain diffusion MRI as a tool for studying human in vivo cortical segregation based on a measure of neurite density. Magnetic Resonance in Medicine, 2018, 79, 2738-2744.	1.9	33
608	Postâ€genomic behavioral genetics: From revolution to routine. Genes, Brain and Behavior, 2018, 17, e12441.	1.1	17
609	Functional connectivity based parcellation of early visual cortices. Human Brain Mapping, 2018, 39, 1380-1390.	1.9	15
610	Surface-enhanced tractography (SET). NeuroImage, 2018, 169, 524-539.	2.1	69
611	Dynamic Generative Model of the Human Brain in Resting-State. Studies in Computational Intelligence, 2018, , 1271-1283.	0.7	1
612	Quasi-periodic patterns of intrinsic brain activity in individuals and their relationship to global signal. NeuroImage, 2018, 167, 297-308.	2.1	73
613	A probabilistic atlas of fiber crossings for variability reduction of anisotropy measures. Brain Structure and Function, 2018, 223, 635-651.	1.2	24
614	A digital 3D atlas of the marmoset brain based on multi-modal MRI. NeuroImage, 2018, 169, 106-116.	2.1	127
615	Discovering Brain Mechanisms Using Network Analysis and Causal Modeling. Minds and Machines, 2018, 28, 265-286.	2.7	6
616	Chronnectome fingerprinting: Identifying individuals and predicting higher cognitive functions using dynamic brain connectivity patterns. Human Brain Mapping, 2018, 39, 902-915.	1.9	164
617	Fluid intelligence relates to the resting state amplitude of low-frequency fluctuation and functional connectivity. NeuroReport, 2018, 29, 8-12.	0.6	5

#	Article	IF	Citations
618	Fluctuations between high- and low-modularity topology in time-resolved functional connectivity. NeuroImage, 2018, 180, 406-416.	2.1	52
619	Relation between Brain Structural Connectivity and Processing Speed. , 2018, , .		1
620	Local White Matter Architecture Defines Functional Brain Dynamics. , 2018, , .		0
621	Lingual Gyrus Surface Area Is Associated with Anxiety-Depression Severity in Young Adults: A Genetic Clustering Approach. ENeuro, 2018, 5, ENEURO.0153-17.2017.	0.9	28
622	A neurociÃªncia computacional no estudo dos processos cognitivos. Psicologia USP, 2018, 29, 40-49.	0.1	1
623	Resources for Modeling in Computational Neuroscience. Springer Series in Computational Neuroscience, 2018, , 807-830.	0.3	1
624	Interactive Machine Learning by Visualization: A Small Data Solution. , 2018, 2018, 3513-3521.		16
625	Comprehensive Evaluation of Healthy Volunteers Using Multi-Modality Brain Injury Assessments: An Exploratory, Observational Study. Frontiers in Neurology, 2018, 9, 1030.	1.1	4
626	On the Most Informative Slice of Bicoherence That Characterizes Resting State Brain Connectivity. , 2018, , .		0
628	Link transmission centrality in large-scale social networks. EPJ Data Science, 2018, 7, .	1.5	7
629	Predicting computational reproducibility of data analysis pipelines in large population studies using collaborative filtering. , 2018, , .		0
630	Functional gradients of the cerebellum. ELife, 2018, 7, .	2.8	295
631	Refining the Common Model of Cognition Through Large Neuroscience Data. Procedia Computer Science, 2018, 145, 813-820.	1.2	8
632	Wrapped Gaussian Process Regression on Riemannian Manifolds. , 2018, , .		11
633	Constellation Design for LED-based Full-Duplex VLC. , 2018, , .		1
634	Accelerated Simultaneous Multi-Slice MRI using Subject-Specific Convolutional Neural Networks. , 2018, 2018, 1636-1640.		6
635	Implementation of High-Performance Correlation and Mapping Engine for Rapid Generation of Brain Connectivity Networks from Big fMRI Data. , 2018, 2018, 1032-1036.		4
636	A Method for Approximated Deep Learning Towards Dynamic Sharing from Big-Data Analysis. , 2018, , .		0

#	Article	IF	Citations
637	Dissociating Group and Individual Profile of Functional Connectivity Using Low Rank Matrix Recovery. Lecture Notes in Computer Science, 2018, , 646-654.	1.0	0
638	Unsupervised Detection of White Matter Fiber Bundles with Stochastic Neural Networks. , 2018, , .		0
639	Mitigating head motion artifact in functional connectivity MRI. Nature Protocols, 2018, 13, 2801-2826.	5.5	211
640	Grading of Frequency Spectral Centroid Across Resting-State Networks. Frontiers in Human Neuroscience, 2018, 12, 436.	1.0	13
641	Cross-Species Evidence of Interplay Between Neural Connectivity at the Micro- and Macroscale of Connectome Organization in Human, Mouse, and Rat Brain. Brain Connectivity, 2018, 8, 595-603.	0.8	10
642	Brain structural alterations are distributed following functional, anatomic and genetic connectivity. Brain, 2018, 141, 3211-3232.	3.7	61
643	Mapping fine-scale anatomy of gray matter, white matter, and trigeminal-root region applying spherical deconvolution to high-resolution 7-T diffusion MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 701-713.	1.1	2
644	Automatic Verification of the Gradient Table in Diffusion-Weighted MRI Based on Fiber Continuity. Scientific Reports, 2018, 8, 16541.	1.6	0
645	The Human Connectome Project 7 Tesla retinotopy dataset: Description and population receptive field analysis. Journal of Vision, 2018, 18, 23.	0.1	139
646	Replication of Resting State-Task Network Correspondence and Novel Findings on Brain Network Activation During Task fMRI in the Human Connectome Project Study. Scientific Reports, 2018, 8, 17543.	1.6	34
647	Multilayer network switching rate predicts brain performance. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13376-13381.	3.3	130
648	The anatomy of reliability: a must read for future human brain mapping. Science Bulletin, 2018, 63, 1606-1607.	4.3	57
649	Predicting functional networks from region connectivity profiles in task-based versus resting-state fMRI data. PLoS ONE, 2018, 13, e0207385.	1.1	16
650	Multimodal Brain Parcellation Based on Functional and Anatomical Connectivity. Brain Connectivity, 2018, 8, 604-617.	0.8	7
651	The CAMH Neuroinformatics Platform: A Hospital-Focused Brain-CODE Implementation. Frontiers in Neuroinformatics, 2018, 12, 77.	1.3	8
652	Comparison of Bio-Inspired Algorithms From The Point of View of Medical Image Segmentation. , 2018, , .		1
653	Unique Mapping of Structural and Functional Connectivity on Cognition. Journal of Neuroscience, 2018, 38, 9658-9667.	1.7	86
654	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. NeuroImage, 2018, 183, 972-984.	2.1	290

#	Article	IF	Citations
655	A Connectomic Atlas of the Human Cerebrumâ€"Chapter 1: Introduction, Methods, and Significance. Operative Neurosurgery, 2018, 15, S1-S9.	0.4	31
656	Comparison of fluctuations in global network topology of modeled and empirical brain functional connectivity. PLoS Computational Biology, 2018, 14, e1006497.	1.5	24
657	An Open Resource for Non-human Primate Imaging. Neuron, 2018, 100, 61-74.e2.	3.8	190
658	Anatomical and microstructural determinants of hippocampal subfield functional connectome embedding. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10154-10159.	3.3	201
659	Network Models in Neuroimaging: A Survey of Multimodal Applications. Fundamenta Informaticae, 2018, 163, 63-91.	0.3	1
660	Genetically defined cellular correlates of the baseline brain MRI signal. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9727-E9736.	3.3	43
661	Harmonizing Diffusion MRI Data Across Magnetic Field Strengths. Lecture Notes in Computer Science, 2018, , 116-124.	1.0	17
662	LISA improves statistical analysis for fMRI. Nature Communications, 2018, 9, 4014.	5.8	27
663	Medial temporal lobe functional connectivity predicts stimulation-induced theta power. Nature Communications, 2018, 9, 4437.	5.8	48
664	A test of weak separability for multi-way functional data, with application to brain connectivity studies. Biometrika, 0, , .	1.3	9
665	Bayesian Spatiotemporal Modeling Using Hierarchical Spatial Priors, with Applications to Functional Magnetic Resonance Imaging (with Discussion). Bayesian Analysis, 2018, 13, .	1.6	9
666	The Relation Between White Matter Microstructure and Network Complexity: Implications for Processing Efficiency. Frontiers in Integrative Neuroscience, 2018, 12, 43.	1.0	11
667	No evidence for morphometric associations of the amygdala and hippocampus with the five-factor model personality traits in relatively healthy young adults. PLoS ONE, 2018, 13, e0204011.	1.1	25
668	Characterizing task-evoked and intrinsic functional networks from task-based fMRI data via two-stage sparse dictionary learning. , 2018, , .		0
669	Combining Multiple Connectomes via Canonical Correlation Analysis Improves Predictive Models. Lecture Notes in Computer Science, 2018, , 349-356.	1.0	1
670	An efficient algorithm for estimating brain covariance networks. PLoS ONE, 2018, 13, e0198583.	1.1	2
671	Angular resolution enhancement technique for diffusion-weighted imaging (DWI) using predicted diffusion gradient directions. NeuroImage, 2018, 183, 836-846.	2.1	4
672	A mechanistic model of connector hubs, modularity and cognition. Nature Human Behaviour, 2018, 2, 765-777.	6.2	187

#	Article	IF	Citations
673	Penalized Geodesic Tractography for Mitigating Gyral Bias. Lecture Notes in Computer Science, 2018, 11072, 12-19.	1.0	4
674	A Multi-Tissue Global Estimation Framework for Asymmetric Fiber Orientation Distributions. Lecture Notes in Computer Science, 2018, 11072, 45-52.	1.0	5
675	Patch-Based Mapping of Transentorhinal Cortex with a Distributed Atlas. Lecture Notes in Computer Science, 2018, 11072, 689-697.	1.0	2
676	Connectivity Fingerprints: From Areal Descriptions to Abstract Spaces. Trends in Cognitive Sciences, 2018, 22, 1026-1037.	4.0	134
677	Personality Profiles Are Associated with Functional Brain Networks Related to Cognition and Emotion. Scientific Reports, 2018, 8, 13874.	1.6	21
678	Topological Data Analysis of Functional MRI Connectivity in Time and Space Domains. Lecture Notes in Computer Science, 2018, 11083, 67-77.	1.0	21
679	From Default Mode Network to the Basal Configuration: Sex Differences in the Resting-State Brain Connectivity as a Function of Age and Their Clinical Correlates. Frontiers in Psychiatry, 2018, 9, 365.	1.3	18
680	Brain activity mediates the relation between emotional but not instrumental support and trait loneliness. Social Cognitive and Affective Neuroscience, 2018, 13, 995-1002.	1.5	11
681	Partial Least Square Aided Beamforming Algorithm in Magnetoencephalography Source Imaging. Frontiers in Neuroscience, 2018, 12, 616.	1.4	8
682	Exploring 3â€hinge gyral folding patterns among HCP Q3 868 human subjects. Human Brain Mapping, 2018, 39, 4134-4149.	1.9	21
683	GPU accelerated extraction of sparse Granger causality patterns. , 2018, , .		2
684	Brain MRI super resolution using 3D deep densely connected neural networks. , 2018, , .		154
685	Population-averaged atlas of the macroscale human structural connectome and its network topology. NeuroImage, 2018, 178, 57-68.	2.1	409
686	Short timescale abnormalities in the states of spontaneous synchrony in the functional neural networks in Alzheimer's disease. NeuroImage: Clinical, 2018, 20, 128-152.	1.4	32
687	Mapping hybrid functional-structural connectivity traits in the human connectome. Network Neuroscience, 2018, 2, 306-322.	1.4	58
688	Together Means More Happiness: Relationship Status Moderates the Association between Brain Structure and Life Satisfaction. Neuroscience, 2018, 384, 406-416.	1.1	21
689	Functional brain lateralization in schizophrenia based on the variability of resting-state fMRI signal. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 86, 114-121.	2.5	24
690	The quest for identifiability in human functional connectomes. Scientific Reports, 2018, 8, 8254.	1.6	184

#	Article	IF	Citations
691	Individual T1-weighted/T2-weighted ratio brain networks: Small-worldness, hubs and modular organization. International Journal of Modern Physics C, 2018, 29, 1840007.	0.8	3
692	Navigation of brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6297-6302.	3.3	133
693	The effect of machine learning regression algorithms and sample size on individualized behavioral prediction with functional connectivity features. NeuroImage, 2018, 178, 622-637.	2.1	241
694	Diffusion markers of dendritic density and arborization in gray matter predict differences in intelligence. Nature Communications, 2018, 9, 1905.	5.8	119
695	Striatal subdivisions that coherently interact with multiple cerebrocortical networks. Human Brain Mapping, 2018, 39, 4349-4359.	1.9	21
696	Bridging the Great Divide: What Can Neurology Learn From Psychiatry?. Journal of Neuropsychiatry and Clinical Neurosciences, 2018, 30, 271-278.	0.9	45
697	Supervised classification of structural brain networks reveals gender differences. , 2018, , .		3
698	A computational model of shared fine-scale structure in the human connectome. PLoS Computational Biology, 2018, 14, e1006120.	1.5	71
699	The relationship between spatial configuration and functional connectivity of brain regions. ELife, 2018, 7, .	2.8	184
700	Objective cognitive functioning in self-reported habitual short sleepers not reporting daytime dysfunction: examination of impulsivity via delay discounting. Sleep, 2018, 41, .	0.6	18
701	Warping an atlas derived from serial histology to 5 high-resolution MRIs. Scientific Data, 2018, 5, 180107.	2.4	35
702	Graph slepians to strike a balance between local and global network interactions: Application to functional brain imaging. , 2018, , .		4
703	On the relationship between instantaneous phase synchrony and correlation-based sliding windows for time-resolved fMRI connectivity analysis. NeuroImage, 2018, 181, 85-94.	2.1	70
704	Temporal transitions of spontaneous brain activity. ELife, 2018, 7, .	2.8	36
705	An Autonomic Network: Synchrony Between Slow Rhythms of Pulse and Brain Resting State Is Associated with Personality and Emotions. Cerebral Cortex, 2018, 28, 3356-3371.	1.6	23
706	Optimization of macaque brain DMRI connectome by neuron tracing and myelin stain data. Computerized Medical Imaging and Graphics, 2018, 69, 9-20.	3.5	4
707	Correlation in brain networks at different time scale resolution. Chaos, 2018, 28, 063127.	1.0	10
708	An anatomically curated fiber clustering white matter atlas for consistent white matter tract parcellation across the lifespan. NeuroImage, 2018, 179, 429-447.	2.1	146

#	Article	IF	Citations
709	Evaluation of the accuracy and precision of the diffusion parameter EStImation with Gibbs and NoisE removal pipeline. NeuroImage, 2018, 183, 532-543.	2.1	123
710	TractSeg - Fast and accurate white matter tract segmentation. NeuroImage, 2018, 183, 239-253.	2.1	362
711	Hierarchy of transcriptomic specialization across human cortex captured by structural neuroimaging topography. Nature Neuroscience, 2018, 21, 1251-1259.	7.1	459
712	Is deep learning better than kernel regression for functional connectivity prediction of fluid intelligence?. , 2018, , .		18
713	Comparison of heritability estimates on resting state fMRI connectivity phenotypes using the ENIGMA analysis pipeline. Human Brain Mapping, 2018, 39, 4893-4902.	1.9	45
714	Bayesian Spatiotemporal Modeling for Detecting Neuronal Activation via Functional Magnetic Resonance Imaging. Springer Handbooks of Computational Statistics, 2018, , 485-501.	0.2	2
715	Using temporal ICA to selectively remove global noise while preserving global signal in functional MRI data. NeuroImage, 2018, 181, 692-717.	2.1	223
716	Human Thalamic-Prefrontal Peduncle Connectivity Revealed by Diffusion Spectrum Imaging Fiber Tracking. Frontiers in Neuroanatomy, 2018, 12, 24.	0.9	16
717	White Matter Tract Segmentation as Multiple Linear Assignment Problems. Frontiers in Neuroscience, 2017, 11, 754.	1.4	13
718	Integrated fMRI Preprocessing Framework Using Extended Kalman Filter for Estimation of Slice-Wise Motion. Frontiers in Neuroscience, 2018, 12, 268.	1.4	5
719	Neurophysiological Basis of Multi-Scale Entropy of Brain Complexity and Its Relationship With Functional Connectivity. Frontiers in Neuroscience, 2018, 12, 352.	1.4	90
720	A Strategy to Reduce Bias of Entropy Estimates in Resting-State fMRI Signals. Frontiers in Neuroscience, 2018, 12, 398.	1.4	26
721	Resting-State Functional Magnetic Resonance Imaging and Probabilistic Diffusion Tensor Imaging Demonstrate That the Greatest Functional and Structural Connectivity in the Hand Motor Homunculus Occurs in the Area of the Thumb. Brain Connectivity, 2018, 8, 371-379.	0.8	6
722	Cognition based bTBI mechanistic criteria; a tool for preventive and therapeutic innovations. Scientific Reports, 2018, 8, 10273.	1.6	25
723	The Human Brain Traverses a Common Activation-Pattern State Space Across Task and Rest. Brain Connectivity, 2018, 8, 429-443.	0.8	15
724	Phase-lags in large scale brain synchronization: Methodological considerations and in-silico analysis. PLoS Computational Biology, 2018, 14, e1006160.	1.5	62
725	Task-induced brain state manipulation improves prediction of individual traits. Nature Communications, 2018, 9, 2807.	5.8	346
726	Resting-State Functional Brain Connectivity Best Predicts the Personality Dimension of Openness to Experience. Personality Neuroscience, 2018, 1, .	1.3	140

#	Article	IF	Citations
727	Assessment of the impact of shared brain imaging data on the scientific literature. Nature Communications, 2018, 9, 2818.	5.8	95
728	Structural and functional connectivity of the nondecussating dentato-rubro-thalamic tract. NeuroImage, 2018, 176, 364-371.	2.1	48
729	Brain Morphogenesis and Developmental Neurotoxicology. , 2018, , 3-15.		2
730	Multivariate Granger causality unveils directed parietal to prefrontal cortex connectivity during task-free MRI. Scientific Reports, 2018, 8, 5571.	1.6	32
731	Multi-subject hierarchical inverse covariance modelling improves estimation of functional brain networks. NeuroImage, 2018, 178, 370-384.	2.1	19
732	Cortical fibers orientation mapping using in-vivo whole brain 7â€¯T diffusion MRI. NeuroImage, 2018, 178, 104-118.	2.1	29
733	Heritability estimates of cortical anatomy: The influence and reliability of different estimation strategies. NeuroImage, 2018, 178, 78-91.	2.1	18
735	On the Usage of Brain Atlases in Neuroimaging Research. Molecular Imaging and Biology, 2018, 20, 742-749.	1.3	28
736	Large-scale dynamic modeling of task-fMRI signals via subspace system identification. Journal of Neural Engineering, 2018, 15, 066016.	1.8	16
737	Invariant and heritable local cortical organization as revealed by fMRI. Journal of Neurophysiology, 2018, 120, 760-764.	0.9	5
738	A distributed brain network predicts general intelligence from resting-state human neuroimaging data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170284.	1.8	224
739	Neurobehavioral correlates of obesity are largely heritable. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9312-9317.	3.3	105
740	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. Cell Reports, 2018, 24, 1687-1695.e4.	2.9	113
741	Sustained versus instantaneous connectivity differentiates cognitive functions of processing speed and episodic memory. Human Brain Mapping, 2018, 39, 4949-4961.	1.9	6
742	Multi-modal brain fingerprinting: A manifold approximation based framework. NeuroImage, 2018, 183, 212-226.	2.1	23
743	The Lifespan Human Connectome Project in Development: A large-scale study of brain connectivity development in 5â€“21 year olds. NeuroImage, 2018, 183, 456-468.	2.1	184
744	Parcellating Cerebral Cortex: How Invasive Animal Studies Inform Noninvasive Mapmaking in Humans. Neuron, 2018, 99, 640-663.	3.8	103
745	The vast potential and bright future of neuroimaging. British Journal of Radiology, 2018, 91, 20170505.	1.0	8

#	Article	IF	Citations
746	Task integration for connectome-based prediction via canonical correlation analysis. , 2018, , .		3
747	Small sample sizes reduce the replicability of task-based fMRI studies. Communications Biology, 2018, 1, 62.	2.0	259
748	Modeling the Covariance Structure of Complex Datasets Using Cognitive Models: An Application to Individual Differences and the Heritability of Cognitive Ability. Cognitive Science, 2018, 42, 1925-1944.	0.8	21
749	Recovering Missing Connections in Diffusion Weighted MRI Using Matrix Completion. Mathematics and Visualization, 2018, , 155-164.	0.4	0
750	An approach to directly link ICA and seed-based functional connectivity: Application to schizophrenia. NeuroImage, 2018, 179, 448-470.	2.1	41
751	Individual differences in aesthetic engagement are reflected in resting-state fMRI connectivity: Implications for stress resilience. NeuroImage, 2018, 179, 156-165.	2.1	17
752	Fronto-striatal effective connectivity of working memory in adults with cannabis use disorder. Psychiatry Research - Neuroimaging, 2018, 278, 21-34.	0.9	22
753	A longitudinal human phantom reliability study of multi-center T1-weighted, DTI, and resting state fMRI data. Psychiatry Research - Neuroimaging, 2018, 282, 134-142.	0.9	26
754	Investigating the Intersession Reliability of Dynamic Brain-State Properties. Brain Connectivity, 2018, 8, 255-267.	0.8	14
755	Hub connectivity, neuronal diversity, and gene expression in the Caenorhabditis elegans connectome. PLoS Computational Biology, 2018, 14, e1005989.	1.5	56
756	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. PLoS Computational Biology, 2018, 14, e1006007.	1.5	73
757	Big data sharing and analysis to advance research in post-traumatic epilepsy. Neurobiology of Disease, 2019, 123, 127-136.	2.1	20
758	Ex vivo diffusion MRI of the human brain: Technical challenges and recent advances. NMR in Biomedicine, 2019, 32, e3941.	1.6	106
759	Dysregulated Brain Dynamics in a Triple-Network Saliency Model of Schizophrenia and Its Relation to Psychosis. Biological Psychiatry, 2019, 85, 60-69.	0.7	141
760	Verification of Diffusion MRI Fiber Tracking Results In Vivo. Applied Magnetic Resonance, 2019, 50, 121-136.	0.6	1
761	What is special about the human arcuate fasciculus? Lateralization, projections, and expansion. Cortex, 2019, 118, 107-115.	1.1	88
762	Multiscale examination of cytoarchitectonic similarity and human brain connectivity. Network Neuroscience, 2019, 3, 124-137.	1.4	54
763	Quantitative prediction of individual cognitive flexibility using structural MRI. Brain Imaging and Behavior, 2019, 13, 781-788.	1.1	15

#	Article	IF	Citations
764	Exploring folding patterns of infant cerebral cortex based on multi-view curvature features: Methods and applications. NeuroImage, 2019, 185, 575-592.	2.1	25
765	Consistent Estimation of Dimensionality for Data-Driven Methods in fMRI Analysis. IEEE Transactions on Medical Imaging, 2019, 38, 493-503.	5.4	4
766	Global connectivity of the fronto-parietal cognitive control network is related to depression symptoms in the general population. Network Neuroscience, 2019, 3, 107-123.	1.4	65
767	The Benefit of Slice Timing Correction in Common fMRI Preprocessing Pipelines. Frontiers in Neuroscience, 2019, 13, 821.	1.4	24
768	MRI quality control for the Italian Neuroimaging Network Initiative: moving towards big data in multiple sclerosis. Journal of Neurology, 2019, 266, 2848-2858.	1.8	16
769	Inter-Individual Differences in Striatal Connectivity Is Related to Executive Function Through Fronto-Parietal Connectivity. Cerebral Cortex, 2020, 30, 672-681.	1.6	5
770	Associations Between Drinking and Cortical Thickness in Younger Adult Drinkers: Findings From the Human Connectome Project. Alcoholism: Clinical and Experimental Research, 2019, 43, 1918-1927.	1.4	21
771	Time-frequency characterization of resting-state brain function reveals overlapping components with specific topology and frequency content. , 2019, , .		1
772	Analysis of errors in diffusion kurtosis imaging caused by slice crosstalk in simultaneous multiâ€slice imaging. NMR in Biomedicine, 2019, 32, e4162.	1.6	3
773	Transmission time delays organize the brain network synchronization. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180132.	1.6	76
774	Construction of brain structural connectivity network using a novel integrated algorithm based on ensemble average propagator. Computers in Biology and Medicine, 2019, 112, 103384.	3.9	3
775	Are global and specific interindividual differences in cortical thickness associated with facets of cognitive abilities, including face cognition?. Royal Society Open Science, 2019, 6, 180857.	1.1	9
776	Refacing: Reconstructing Anonymized Facial Features Using GANS. , 2019, , .		29
777	Detecting State Changes in Community Structure of Functional Brain Networks Using a Markov-Switching Stochastic Block Model. , 2019, , .		1
778	Absolute and relative estimates of genetic and environmental variance in brain structure volumes. Brain Structure and Function, 2019, 224, 2805-2821.	1.2	1
779	Functional connectivity of emotional well-being: Overconnectivity between default and attentional networks is associated with attitudes of anger and aggression. Psychiatry Research - Neuroimaging, 2019, 291, 52-62.	0.9	15
780	Structural connectivity profile supports laterality of the salience network. Human Brain Mapping, 2019, 40, 5242-5255.	1.9	24
781	Evidence for cerebello-thalamo-cortical hyperconnectivity as a heritable trait for schizophrenia. Translational Psychiatry, 2019, 9, 192.	2.4	23

#	Article	IF	Citations
782	Frontal white matter architecture predicts efficacy of deep brain stimulation in major depression. Translational Psychiatry, 2019, 9, 197.	2.4	32
783	Imaging tools to map in vivo the human brain. Movement Disorders, 2019, 34, 931-933.	2.2	2
784	Plasticity versus stability across the human cortical visual connectome. Nature Communications, 2019, 10, 3174.	5.8	16
785	Variability and Reproducibility of Directed and Undirected Functional MRI Connectomes in the Human Brain. Entropy, 2019, 21, 661.	1.1	15
786	Brain structural differences in monozygotic twins discordant for body mass index. NeuroImage, 2019, 201, 116006.	2.1	14
787	Precision neuroradiology: mapping the nodes and networks that link genes to behaviour. British Journal of Radiology, 2019, 92, 20190093.	1.0	3
788	Diffusion MRI: Assessment of the Impact of Acquisition and Preprocessing Methods Using the BrainVISA-Diffuse Toolbox. Frontiers in Neuroscience, 2019, 13, 536.	1.4	18
789	A Parsimonious Granger Causality Formulation for Capturing Arbitrarily Long Multivariate Associations. Entropy, 2019, 21, 629.	1.1	1
790	The community structure of functional brain networks exhibits scale-specific patterns of inter- and intra-subject variability. NeuroImage, 2019, 202, 115990.	2.1	85
791	A connectivity-based parcellation improved functional representation of the human cerebellum. Scientific Reports, 2019, 9, 9115.	1.6	22
792	Explainable Deep Learning for Analysing Brain Data. , 2019, , .		0
793	Emergence of structure in mouse embryos: Structural Entropy morphometry applied to digital models of embryonic anatomy. Journal of Anatomy, 2019, 235, 706-715.	0.9	4
794	A Novel Spatial-Angular Domain Regularisation Approach for Restoration of Diffusion MRI. Mathematics and Visualization, 2019, , 43-53.	0.4	1
795	A Deep Learning Pipeline for Automatic Skull Stripping and Brain Segmentation. , 2019, , .		15
796	Multimodality white matter tract segmentation using CNN. , 2019, , .		4
797	Distinctions among real and apparent respiratory motions in human fMRI data. NeuroImage, 2019, 201, 116041.	2.1	101
798	Using the Wild Bootstrap to Quantify Uncertainty in Mean Apparent Propagator MRI. Frontiers in Neuroinformatics, 2019, 13, 43.	1.3	3
799	Combining multiple connectomes improves predictive modeling of phenotypic measures. NeuroImage, 2019, 201, 116038.	2.1	109

#	Article	IF	Citations
800	Privacy versus open science. Behavior Research Methods, 2019, 51, 1839-1848.	2.3	30
801	A graph representation of functional diversity of brain regions. Brain and Behavior, 2019, 9, e01358.	1.0	7
802	Dissociating individual connectome traits using low-rank learning. Brain Research, 2019, 1722, 146348.	1.1	4
803	Discovering common change-point patterns in functional connectivity across subjects. Medical Image Analysis, 2019, 58, 101532.	7.0	12
804	Human visual cortex is organized along two genetically opposed hierarchical gradients with unique developmental and evolutionary origins. PLoS Biology, 2019, 17, e3000362.	2.6	30
805	Decay of connection probabilities with distance in 2D and 3D neuronal networks. BioSystems, 2019, 184, 103991.	0.9	2
806	Group-fused multivariate regression modeling for group-level brain networks. Neurocomputing, 2019, 363, 140-148.	3.5	4
807	Uncovering multi-site identifiability based on resting-state functional connectomes. NeuroImage, 2019, 202, 115967.	2.1	41
808	Fine-Grained Parcellation of the Macaque Nucleus Accumbens by High-Resolution Diffusion Tensor Tractography. Frontiers in Neuroscience, 2019, 13, 709.	1.4	6
809	Networks of random trees as a model of neuronal connectivity. Journal of Mathematical Biology, 2019, 79, 1639-1663.	0.8	4
810	Dopamine D2/D3 receptor abnormalities after traumatic brain injury and their relationship to post-traumatic depression. NeuroImage: Clinical, 2019, 24, 101950.	1.4	15
811	Sensorimotor, language, and working memory representation within the human cerebellum. Human Brain Mapping, 2019, 40, 4732-4747.	1.9	73
812	Normative cerebral cortical thickness for human visual areas. NeuroImage, 2019, 201, 116057.	2.1	18
813	Dimensionality reduction of diffusion MRI measures for improved tractometry of the human brain. NeuroImage, 2019, 200, 89-100.	2.1	84
814	Detailed mapping of human habenula resting-state functional connectivity. NeuroImage, 2019, 200, 621-634.	2.1	31
815	Development of a transcallosal tractography template and its application to dementia. NeuroImage, 2019, 200, 302-312.	2.1	28
816	XQ-SR: Joint x-q space super-resolution with application to infant diffusion MRI. Medical Image Analysis, 2019, 57, 44-55.	7.0	10
817	Corresponding anatomical and coactivation architecture of the human precuneus showing similar connectivity patterns with macaques. NeuroImage, 2019, 200, 562-574.	2.1	56

#	Article	IF	Citations
818	Generalizability and reproducibility of functional connectivity in autism. Molecular Autism, 2019, 10, 27.	2.6	70
819	A geometric framework for ensemble average propagator reconstruction from diffusion MRI. Medical Image Analysis, 2019, 57, 89-105.	7.0	5
820	AI in MRI: A case for grassroots deep learning. Magnetic Resonance Imaging, 2019, 64, 1-3.	1.0	5
822	â€œPlis de passageâ€•Deserve a Role in Models of the Cortical Folding Process. Brain Topography, 2019, 32, 1035-1048.	0.8	24
823	Connectomics in NeuroImaging. Lecture Notes in Computer Science, 2019, , .	1.0	0
825	Imaging the spontaneous flow of thought: Distinct periods of cognition contribute to dynamic functional connectivity during rest. NeuroImage, 2019, 202, 116129.	2.1	47
826	Task-evoked Negative BOLD Response and Functional Connectivity in the Default Mode Network are Representative of Two Overlapping but Separate Neurophysiological Processes. Scientific Reports, 2019, 9, 14473.	1.6	21
827	Extracting Reproducible Time-Resolved Resting State Networks Using Dynamic Mode Decomposition. Frontiers in Computational Neuroscience, 2019, 13, 75.	1.2	24
828	Spatiotemporal Empirical Mode Decomposition of Resting-State fMRI Signals: Application to Global Signal Regression. Frontiers in Neuroscience, 2019, 13, 736.	1.4	8
829	Testâ€“retest reproducibility of a multiâ€atlas automated segmentation tool on multimodality brain MRI. Brain and Behavior, 2019, 9, e01363.	1.0	25
830	A functional connectome phenotyping dataset including cognitive state and personality measures. Scientific Data, 2019, 6, 180307.	2.4	50
831	Towards a Universal Taxonomy of Macro-scale Functional Human Brain Networks. Brain Topography, 2019, 32, 926-942.	0.8	401
832	A Study of Brain Neuronal and Functional Complexities Estimated Using Multiscale Entropy in Healthy Young Adults. Entropy, 2019, 21, 995.	1.1	6
833	Structure related to function: prefrontal surface area has an indirect effect on the relationship between amygdala volume and trait neuroticism. Brain Structure and Function, 2019, 224, 3309-3320.	1.2	6
834	Predicting Male vs. Female from Task-fMRI Brain Connectivity. , 2019, 2019, 4089-4092.		4
836	Manifold Learning of Dynamic Functional Connectivity Reliably Identifies Functionally Consistent Coupling Patterns in Human Brains. Brain Sciences, 2019, 9, 309.	1.1	2
837	Static magnetic field stimulation of the supplementary motor area modulates resting-state activity and motor behavior. Communications Biology, 2019, 2, 397.	2.0	24
838	Holographic Reconstruction of Axonal Pathways in the Human Brain. Neuron, 2019, 104, 1056-1064.e3.	3.8	91

#	Article	IF	Citations
839	A Brief Neuropsychological Battery for Measuring Cognitive Functions Associated with Obesity. Obesity, 2019, 27, 1988-1996.	1.5	11
840	Accuracy of whole genome prediction with single-step GBLUP in a Chinese yellow-feathered chicken population. Livestock Science, 2019, 230, 103817.	0.6	10
841	FMRI of shared-stream priming of lexical identification by object semantics along the ventral visual processing stream. Neuropsychologia, 2019, 133, 107185.	0.7	5
842	Bayesian Reconstruction of Undersampled Multicoil Hardi. , 2019, , .		0
843	Anatomical connections underlying personally-familiar face processing. PLoS ONE, 2019, 14, e0222087.	1.1	3
844	Image processing approaches to enhance perivascular space visibility and quantification using MRI. Scientific Reports, 2019, 9, 12351.	1.6	67
845	Temporally intermittent communities in brain fMRI correlation networks. Applied Network Science, 2019, 4, .	0.8	2
846	The cortico-rubral and cerebello-rubral pathways are topographically organized within the human red nucleus. Scientific Reports, 2019, 9, 12117.	1.6	33
847	Lower Functional Connectivity in Vestibular-Limbic Networks in Individuals With Subclinical Agoraphobia. Frontiers in Neurology, 2019, 10, 874.	1.1	15
848	Toward an interpretable Alzheimerâ€™s disease diagnostic model with regional abnormality representation via deep learning. NeuroImage, 2019, 202, 116113.	2.1	36
849	Assessing inter-individual differences with task-related functional neuroimaging. Nature Human Behaviour, 2019, 3, 897-905.	6.2	62
850	Handedness, language areas and neuropsychiatric diseases: insights from brain imaging and genetics. Brain, 2019, 142, 2938-2947.	3.7	123
851	Random Forests for Simultaneous-Multislice (SMS) Undersampled HARDI Reconstruction and Uncertainty Estimation. , 2019, , .		1
852	Graph Spectral Analysis of Voxel-Wise Brain Graphs from Diffusion-Weighted Mri. , 2019, , .		4
853	Synchronization lag in post stroke: relation to motor function and structural connectivity. Network Neuroscience, 2019, 3, 1121-1140.	1.4	22
854	White matter microstructure mediates the association between physical fitness and cognition in healthy, young adults. Scientific Reports, 2019, 9, 12885.	1.6	47
855	Dependence of connectivity on geometric distance in brain networks. Scientific Reports, 2019, 9, 13412.	1.6	13
856	Inferring neural signalling directionality from undirected structural connectomes. Nature Communications, 2019, 10, 4289.	5.8	69

#	Article	IF	Citations
857	Deep Learning and Convolutional Neural Networks for Medical Imaging and Clinical Informatics. Advances in Computer Vision and Pattern Recognition, 2019, , .	0.9	51
858	A decade of test-retest reliability of functional connectivity: A systematic review and meta-analysis. NeuroImage, 2019, 203, 116157.	2.1	370
859	The robust and independent nature of structural STS asymmetries. Brain Structure and Function, 2019, 224, 3171-3182.	1.2	4
860	Magnetic Resonance Brain Imaging. Use R!, 2019, , .	0.3	2
861	Identification of physiological response functions to correct for fluctuations in resting-state fMRI related to heart rate and respiration. NeuroImage, 2019, 202, 116150.	2.1	42
862	Topography and behavioral relevance of the global signal in the human brain. Scientific Reports, 2019, 9, 14286.	1.6	77
863	Apparent thinning of human visual cortex during childhood is associated with myelination. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20750-20759.	3.3	231
864	Resolving the cognitive clinico-radiological paradox â€“ Microstructural degeneration of fronto-striatal-thalamic loops in early active multiple sclerosis. Cortex, 2019, 121, 239-252.	1.1	11
865	Brain network dynamics in schizophrenia: Reduced dynamism of the default mode network. Human Brain Mapping, 2019, 40, 2212-2228.	1.9	72
866	Noise reduction in diffusion MRI using non-local self-similar information in joint<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>x</mml:mi><mml:mo>â^</mml:mo><mml:mi>q</mml:mi></mml:mrow></mml:math>space Medical Image Analysis, 2019, 53, 79-94.	7.0	21
867	Neuroimaging of individual differences: A latent variable modeling perspective. Neuroscience and Biobehavioral Reviews, 2019, 98, 29-46.	2.9	38
868	Quantification of structural brain connectivity via a conductance model. NeuroImage, 2019, 189, 485-496.	2.1	15
869	Biological Characteristics of Connection-Wise Resting-State Functional Connectivity Strength. Cerebral Cortex, 2019, 29, 4646-4653.	1.6	8
870	Physical brain connectomics. Physical Review E, 2019, 99, 012421.	0.8	27
872	Associations between brain structure and perceived intensity of sweet and bitter tastes. Behavioural Brain Research, 2019, 363, 103-108.	1.2	8
873	Altered myelin maturation in four year old children born very preterm. NeuroImage: Clinical, 2019, 21, 101635.	1.4	25
874	Generalized diffusion spectrum magnetic resonance imaging (GDSI) for model-free reconstruction of the ensemble average propagator. NeuroImage, 2019, 189, 497-515.	2.1	10
875	Psychology's Replication Crisis and Clinical Psychological Science. Annual Review of Clinical Psychology, 2019, 15, 579-604.	6.3	103

#	Article	IF	Citations
876	Multi-Site Harmonization of Diffusion MRI Data via Method of Moments. IEEE Transactions on Medical Imaging, 2019, 38, 1599-1609.	5.4	24
877	A novel radiological classification system for cerebral gliomas: The Brain-Grid. PLoS ONE, 2019, 14, e0211243.	1.1	13
878	When less is more: Structural correlates of core executive functions in young adults â€“ A VBM and cortical thickness study. NeuroImage, 2019, 189, 896-903.	2.1	25
879	The hierarchically mechanistic mind: an evolutionary systems theory of the human brain, cognition, and behavior. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 1319-1351.	1.0	105
880	Brain Art. , 2019, , .		14
881	Quantification of changes in brain morphology following posterior fossa decompression surgery in women treated for Chiari malformation type 1. Neuroradiology, 2019, 61, 1011-1022.	1.1	17
882	Resting brain dynamics at different timescales capture distinct aspects of human behavior. Nature Communications, 2019, 10, 2317.	5.8	208
883	Ranking Regions, Edges and Classifying Tasks in Functional Brain Graphs by Sub-Graph Entropy. Scientific Reports, 2019, 9, 7628.	1.6	13
884	Fast and Robust Diffusion Kurtosis Parametric Mapping Using a Three-Dimensional Convolutional Neural Network. IEEE Access, 2019, 7, 71398-71411.	2.6	18
885	A Hierarchical Manifold Learning Framework for High-Dimensional Neuroimaging Data. Lecture Notes in Computer Science, 2019, , 631-643.	1.0	2
886	Conceptualizing mental disorders as deviations from normative functioning. Molecular Psychiatry, 2019, 24, 1415-1424.	4.1	222
887	White matter fiber analysis using kernel dictionary learning and sparsity priors. Pattern Recognition, 2019, 95, 83-95.	5.1	6
888	Evidence for sex differences in morphological abnormalities in type I Chiari malformation. Neuroradiology Journal, 2019, 32, 458-466.	0.6	8
889	Beyond consensus: Embracing heterogeneity in curated neuroimaging meta-analysis. NeuroImage, 2019, 200, 142-158.	2.1	19
890	Domain-Informed Spline Interpolation. IEEE Transactions on Signal Processing, 2019, 67, 3909-3921.	3.2	8
891	Connectome-Based Biomarkers Predict Subclinical Depression and Identify Abnormal Brain Connections With the Lateral Habenula and Thalamus. Frontiers in Psychiatry, 2019, 10, 371.	1.3	43
892	Transdiagnostic Multimodal Neuroimaging in Psychosis: Structural, Resting-State, and Task Magnetic Resonance Imaging Correlates of Cognitive Control. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 870-880.	1.1	5
893	The relationship of lateralization and phenomenology to neural circuits. Religion, Brain and Behavior, 2019, 9, 380-386.	0.4	0

#	Article	IF	Citations
894	Increasing robustness of pairwise methods for effective connectivity in magnetic resonance imaging by using fractional moment series of BOLD signal distributions. Network Neuroscience, 2019, 3, 1009-1037.	1.4	5
895	Innovative MRI Techniques in Neuroimaging Approaches for Cerebrovascular Diseases and Vascular Cognitive Impairment. International Journal of Molecular Sciences, 2019, 20, 2656.	1.8	18
896	BrainTrawler: A visual analytics framework for iterative exploration of heterogeneous big brain data. Computers and Graphics, 2019, 82, 304-320.	1.4	13
897	Optimization of graph construction can significantly increase the power of structural brain network studies. NeuroImage, 2019, 199, 495-511.	2.1	37
898	Role of brain imaging in disorders of brainâ€“gut interaction: a Rome Working Team Report. Gut, 2019, 68, 1701-1715.	6.1	91
899	Resting State Abnormalities of the Default Mode Network in Mild Cognitive Impairment: A Systematic Review and Meta-Analysis. Journal of Alzheimer's Disease, 2019, 70, 107-120.	1.2	79
900	Temporal Variability of Cortical Gyral-Sulcal Resting State Functional Activity Correlates With Fluid Intelligence. Frontiers in Neural Circuits, 2019, 13, 36.	1.4	17
901	Populationâ€based Bayesian regularization for microstructural diffusion MRI with NODDIDA. Magnetic Resonance in Medicine, 2019, 82, 1553-1565.	1.9	6
902	Local Optimal Transport for Functional Brain Template Estimation. Lecture Notes in Computer Science, 2019, , 237-248.	1.0	7
903	Multiscale Neuroscience of Psychiatric Disorders. Biological Psychiatry, 2019, 86, 512-522.	0.7	46
904	10Kin1day: A Bottom-Up Neuroimaging Initiative. Frontiers in Neurology, 2019, 10, 425.	1.1	15
905	Application of Convolutional Recurrent Neural Network for Individual Recognition Based on Resting State fMRI Data. Frontiers in Neuroscience, 2019, 13, 434.	1.4	19
906	Using Synchrony-Based Neurofeedback in Search of Human Connectedness. , 2019, , 161-206.		11
907	Representational structure or task structure? Bias in neural representational similarity analysis and a Bayesian method for reducing bias. PLoS Computational Biology, 2019, 15, e1006299.	1.5	33
908	Experimental design modulates variance in BOLD activation: The variance design general linear model. Human Brain Mapping, 2019, 40, 3918-3929.	1.9	3
909	The open diffusion data derivatives, brain data upcycling via integrated publishing of derivatives and reproducible open cloud services. Scientific Data, 2019, 6, 69.	2.4	69
910	Investigating the Subcortical Route to the Amygdala Across Species and in Disordered Fear Responses. Journal of Experimental Neuroscience, 2019, 13, 117906951984644.	2.3	22
911	Neural reward processing in self-reported short sleepers: examination of gambling task brain activation in the Human Connectome Project database. Sleep, 2019, 42, .	0.6	2

#	Article	IF	Citations
912	Interspecies Differences in the Connectivity of Ventral Striatal Components Between Humans and Macaques. Frontiers in Neuroscience, 2019, 13, 623.	1.4	7
913	The functional organisation of the hippocampus along its long axis is gradual and predicts recollection. Cortex, 2019, 119, 324-335.	1.1	80
914	Mapping the structural connectivity between the periaqueductal gray and the cerebellum in humans. Brain Structure and Function, 2019, 224, 2153-2165.	1.2	33
915	Sparsity-based Blind Deconvolution of Neural Activation Signal in FMRI. , 2019, , .		11
916	Tracking dynamic brain networks using high temporal resolution MEG measures of functional connectivity. NeuroImage, 2019, 200, 38-50.	2.1	83
917	Construction of 4D infant cortical surface atlases with sharp folding patterns via spherical patchâ€based groupâ€wise sparse representation. Human Brain Mapping, 2019, 40, 3860-3880.	1.9	31
918	Improved gray matter surface based spatial statistics in neuroimaging studies. Magnetic Resonance Imaging, 2019, 61, 285-295.	1.0	4
919	Microstructural and functional gradients are increasingly dissociated in transmodal cortices. PLoS Biology, 2019, 17, e3000284.	2.6	332
920	The causal influence of brain size on human intelligence: Evidence from within-family phenotypic associations and GWAS modeling. Intelligence, 2019, 75, 48-58.	1.6	48
921	MNE: Software for Acquiring, Processing,and Visualizing MEG/EEG Data. , 2019, , 1-17.		0
922	Evaluating arcuate fasciculus laterality measurements across dataset and tractography pipelines. Human Brain Mapping, 2019, 40, 3695-3711.	1.9	24
923	Nonsocial and social cognition in schizophrenia: current evidence and future directions. World Psychiatry, 2019, 18, 146-161.	4.8	348
924	Associations between rare microgliaâ€linked Alzheimer's disease risk variants and subcortical brain volumes in young individuals. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 368-373.	1.2	4
925	Transfer Learning-Based Behavioural Task Decoding from Brain Activity. Lecture Notes in Electrical Engineering, 2019, , 71-81.	0.3	3
926	Connectomes from streamlines tractography: Assigning streamlines to brain parcellations is not trivial but highly consequential. NeuroImage, 2019, 199, 160-171.	2.1	31
927	Structural connectivityâ€based topography of the human globus pallidus: Implications for therapeutic targeting in movement disorders. Movement Disorders, 2019, 34, 987-996.	2.2	39
928	Tractography and machine learning: Current state and open challenges. Magnetic Resonance Imaging, 2019, 64, 37-48.	1.0	41
929	Ciftify: A framework for surface-based analysis of legacy MR acquisitions. NeuroImage, 2019, 197, 818-826.	2.1	101

#	Article	IF	Citations
930	Developmentally divergent sexual dimorphism in the cortico-striatalâ€“thalamicâ€“cortical psychosis risk pathway. Neuropsychopharmacology, 2019, 44, 1649-1658.	2.8	21
931	Neuroanatomical substrates underlying contrast sensitivity. Quantitative Imaging in Medicine and Surgery, 2019, 9, 503-509.	1.1	3
932	Retrospective correction of intensity inhomogeneity with sparsity constraints in transform-domain: Application to brain MRI. Magnetic Resonance Imaging, 2019, 61, 207-223.	1.0	9
933	Decoding Behavior Tasks From Brain Activity Using Deep Transfer Learning. IEEE Access, 2019, 7, 43222-43232.	2.6	21
934	A deep network for tissue microstructure estimation using modified LSTM units. Medical Image Analysis, 2019, 55, 49-64.	7.0	33
935	Machine-learning identifies Parkinson's disease patients based on resting-state between-network functional connectivity. British Journal of Radiology, 2019, 92, 20180886.	1.0	34
936	A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop. Radiology, 2019, 291, 781-791.	3.6	241
937	Big data in nanoscale connectomics, and the greed for training labels. Current Opinion in Neurobiology, 2019, 55, 180-187.	2.0	15
938	Computational Diffusion MRI. Mathematics and Visualization, 2019, , .	0.4	4
939	A Brief History of Simulation Neuroscience. Frontiers in Neuroinformatics, 2019, 13, 32.	1.3	47
940	Novel Technological Advances in Functional Connectomics in C. elegans. Journal of Developmental Biology, 2019, 7, 8.	0.9	16
941	Perivascular space fluid contributes to diffusion tensor imaging changes in white matter. NeuroImage, 2019, 197, 243-254.	2.1	62
942	Cerebral circulation time derived from fMRI signals in large blood vessels. Journal of Magnetic Resonance Imaging, 2019, 50, 1504-1513.	1.9	19
943	Tensor network factorizations: Relationships between brain structural connectomes and traits. NeuroImage, 2019, 197, 330-343.	2.1	55
944	A Novel Method for Extracting Hierarchical Functional Subnetworks Based on a Multisubject Spectral Clustering Approach. Brain Connectivity, 2019, 9, 399-414.	0.8	2
945	Dynamic mode decomposition of resting-state and task fMRI. NeuroImage, 2019, 194, 42-54.	2.1	54
946	Exploiting structural redundancy in q-space for improved EAP reconstruction from highly undersampled (k, q)-space in DMRI. Medical Image Analysis, 2019, 54, 122-137.	7.0	7
947	Corticocortical Systems Underlying High-Order Motor Control. Journal of Neuroscience, 2019, 39, 4404-4421.	1.7	44

#	Article	IF	Citations
948	Population shrinkage of covariance (PoSCE) for better individual brain functional-connectivity estimation. Medical Image Analysis, 2019, 54, 138-148.	7.0	19
949	Overlapping brain Community detection using Bayesian tensor decomposition. Journal of Neuroscience Methods, 2019, 318, 47-55.	1.3	11
950	Benchmarking functional connectome-based predictive models for resting-state fMRI. NeuroImage, 2019, 192, 115-134.	2.1	243
951	Good practice in food-related neuroimaging. American Journal of Clinical Nutrition, 2019, 109, 491-503.	2.2	56
952	A Serverless Tool for Platform Agnostic Computational Experiment Management. Frontiers in Neuroinformatics, 2019, 13, 12.	1.3	12
953	Evidence for age-related changes in sensorimotor neuromagnetic responses during cued button pressing in a large open-access dataset. NeuroImage, 2019, 193, 25-34.	2.1	35
954	Using Low-Frequency Oscillations to Detect Temporal Lobe Epilepsy with Machine Learning. Brain Connectivity, 2019, 9, 184-193.	0.8	15
955	Visual Influence on Auditory Perception. Springer Handbook of Auditory Research, 2019, , 1-8.	0.3	0
956	Functional parcellation of the hippocampus from resting-state dynamic functional connectivity. Brain Research, 2019, 1715, 165-175.	1.1	26
957	The physics of brain network structure, function and control. Nature Reviews Physics, 2019, 1, 318-332.	11.9	233
958	Covariate-Assisted Ranking and Screening for Large-Scale Two-Sample Inference. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2019, 81, 187-234.	1.1	36
959	Performing group-level functional image analyses based on homologous functional regions mapped in individuals. PLoS Biology, 2019, 17, e2007032.	2.6	84
960	Cortical morphometry of the five-factor model of personality: findings from the Human Connectome Project full sample. Social Cognitive and Affective Neuroscience, 2019, 14, 381-395.	1.5	32
961	A spectrum of routing strategies for brain networks. PLoS Computational Biology, 2019, 15, e1006833.	1.5	83
962	Restingâ€state fMRI effective connectivity between the bed nucleus of the stria terminalis and amygdala nuclei. Human Brain Mapping, 2019, 40, 2723-2735.	1.9	16
963	Is removal of weak connections necessary for graph-theoretical analysis of dense weighted structural connectomes from diffusion MRI?. NeuroImage, 2019, 194, 68-81.	2.1	64
964	Activationâ€based association profiles differentiate network roles across cognitive loads. Human Brain Mapping, 2019, 40, 2800-2812.	1.9	15
965	Brain Differences Between Men and Women: Evidence From Deep Learning. Frontiers in Neuroscience, 2019, 13, 185.	1.4	77

#	Article	IF	Citations
966	Singleâ€neuron axonal reconstruction: The search for a wiring diagram of the brain. Journal of Comparative Neurology, 2019, 527, 2190-2199.	0.9	26
967	Restingâ€state fMRI detects the effects of learning in short term: A visual search training study. Human Brain Mapping, 2019, 40, 2787-2799.	1.9	7
968	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. NeuroImage, 2019, 191, 537-548.	2.1	76
969	Possible links between the lag structure in visual cortex and visual streams using fMRI. Scientific Reports, 2019, 9, 4283.	1.6	10
970	Nonparametric Bayes Models of Fiber Curves Connecting Brain Regions. Journal of the American Statistical Association, 2019, 114, 1505-1517.	1.8	6
971	Neuroconductor: an R platform for medical imaging analysis. Biostatistics, 2019, 20, 218-239.	0.9	43
972	Predicting Brain Age Based on Spatial and Temporal Features of Human Brain Functional Networks. Frontiers in Human Neuroscience, 2019, 13, 62.	1.0	30
973	Testâ€"retest reproducibility of white matter parcellation using diffusion MRI tractography fiber clustering. Human Brain Mapping, 2019, 40, 3041-3057.	1.9	61
975	Using Multisensory Integration to Understand the Human Auditory Cortex. Springer Handbook of Auditory Research, 2019, , 161-176.	0.3	2
976	A 204-subject multimodal neuroimaging dataset to study language processing. Scientific Data, 2019, 6, 17.	2.4	56
977	MK-curve - Characterizing the relation between mean kurtosis and alterations in the diffusion MRI signal. NeuroImage, 2019, 196, 68-80.	2.1	15
978	Assessing evidence quality in research reporting neurocognitive outcomes following paediatric temporal lobe surgery for epilepsy. Epilepsy Research, 2019, 154, 116-123.	0.8	1
979	Global signal regression strengthens association between resting-state functional connectivity and behavior. NeuroImage, 2019, 196, 126-141.	2.1	292
980	Computational and Informatic Advances for Reproducible Data Analysis in Neuroimaging. Annual Review of Biomedical Data Science, 2019, 2, 119-138.	2.8	35
981	Associations between modifiable risk factors and white matter of the aging brain: insights from diffusion tensor imaging studies. Neurobiology of Aging, 2019, 80, 56-70.	1.5	79
982	The architecture of functional lateralisation and its relationship to callosal connectivity in the human brain. Nature Communications, 2019, 10, 1417.	5.8	171
983	Optimizing BOLD sensitivity in the 7T Human Connectome Project resting-state fMRI protocol using plug-and-play parallel transmission. NeuroImage, 2019, 195, 1-10.	2.1	18
984	Discovering hierarchical common brain networks via multimodal deep belief network. Medical Image Analysis, 2019, 54, 238-252.	7.0	15

#	Article	IF	Citations
985	A consistent organizational structure across multiple functional subnetworks of the human brain. NeuroImage, 2019, 197, 24-36.	2.1	5
986	The situation or the person? Individual and taskâ€evoked differences in BOLD activity. Human Brain Mapping, 2019, 40, 2943-2954.	1.9	5
987	The Theory and Neuroscience of Cerebellar Cognition. Annual Review of Neuroscience, 2019, 42, 337-364.	5.0	337
988	Structural Connectivity Analysis Using Finsler Geometry. SIAM Journal on Imaging Sciences, 2019, 12, 551-575.	1.3	3
989	A Comparison of Static and Dynamic Functional Connectivities for Identifying Subjects and Biological Sex Using Intrinsic Individual Brain Connectivity. Scientific Reports, 2019, 9, 5729.	1.6	63
990	Revealing the Hippocampal Connectome through Super-Resolution 1150-Direction Diffusion MRI. Scientific Reports, 2019, 9, 2418.	1.6	82
991	Organization of extrastriate and temporal cortex in chimpanzees compared to humans and macaques. Cortex, 2019, 118, 223-243.	1.1	30
992	Love is analogous to money in human brain: Coordinate-based and functional connectivity meta-analyses of social and monetary reward anticipation. Neuroscience and Biobehavioral Reviews, 2019, 100, 108-128.	2.9	79
993	Brain Tumor Segmentation and Tractographic Feature Extraction from Structural MR Images for Overall Survival Prediction. Lecture Notes in Computer Science, 2019, , 128-141.	1.0	42
994	Centralized and distributed cognitive task processing in the human connectome. Network Neuroscience, 2019, 3, 455-474.	1.4	30
995	Hierarchical Heterogeneity across Human Cortex Shapes Large-Scale Neural Dynamics. Neuron, 2019, 101, 1181-1194.e13.	3.8	271
996	On the analysis of rapidly sampled fMRI data. NeuroImage, 2019, 188, 807-820.	2.1	68
997	What Can Computational Models Contribute to Neuroimaging Data Analytics?. Frontiers in Systems Neuroscience, 2018, 12, 68.	1.2	23
998	Exploring distinct default mode and semantic networks using a systematic ICA approach. Cortex, 2019, 113, 279-297.	1.1	40
999	Exploring the limits of network topology estimation using diffusion-based tractography and tracer studies in the macaque cortex. NeuroImage, 2019, 191, 81-92.	2.1	28
1001	Analysis of Structure and Dynamics in Three-Neuron Motifs. Frontiers in Computational Neuroscience, 2019, 13, 5.	1.2	27
1002	Discordant attributes of structural and functional brain connectivity in a two-layer multiplex network. Scientific Reports, 2019, 9, 2885.	1.6	37
1003	The Superoanterior Fasciculus (SAF): A Novel White Matter Pathway in the Human Brain?. Frontiers in Neuroanatomy, 2019, 13, 24.	0.9	22

#	Article	IF	Citations
1004	A Neural Circuit-Based Model for Depression Anchored in a Synthesis of Insights From Functional Neuroimaging. , 2019, , 241-256.		5
1005	Basic Units of Inter-Individual Variation in Resting State Connectomes. Scientific Reports, 2019, 9, 1900.	1.6	57
1006	FuNP (Fusion of Neuroimaging Preprocessing) Pipelines: A Fully Automated Preprocessing Software for Functional Magnetic Resonance Imaging. Frontiers in Neuroinformatics, 2019, 13, 5.	1.3	53
1007	Personalized Psychiatry. , 2019, , .		16
1008	Phenomapping: Methods and Measures for Deconstructing Diagnosis in Psychiatry. , 2019, , 119-134.		28
1009	fMRI BOLD signal decomposition using a multivariate low-rank model. , 2019, , .		0
1010	Binary Algorithm for Big Data Management and Analytics of MyRA Data. , 2019, , .		0
1011	Acceleration of Sparse Vector Autoregressive Modeling Using GPUs. , 2019, , .		0
1012	Scan-Specific Residual Convolutional Neural Networks for Fast MRI Using Residual RAKI. , 2019, , .		6
1013	Using Brain MRI Images to Predict Memory, BMI & Age. , 2019, , .		2
1014	Recurrent neural networks for reconstructing complex directed brain connectivity. , 2019, 2019, 6418-6421.		5
1015	Predicting Tasks from Task-fMRI Using Blind Source Separation. , 2019, , .		1
1016	Minimal Linear Networks for Magnetic Resonance Image Reconstruction. Scientific Reports, 2019, 9, 19527.	1.6	8
1017	The BIDS Toolbox: A web Service to Manage Brain Imaging Datasets. , 2019, , .		1
1018	Gradients of structureâ€“function tethering across neocortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21219-21227.	3.3	345
1019	Exploring Spatiotemporal Functional Connectivity Dynamics of the Human Brain using Convolutional and Recursive Neural Networks. , 2019, , .		1
1020	Evolutionary modifications in human brain connectivity associated with schizophrenia. Brain, 2019, 142, 3991-4002.	3.7	56
1021	Effect of connectivity measures on the identification of brain functional core network at rest. , 2019, 2019, 6426-6429.		2

#	Article	IF	Citations
1022	Reduced betweenness centrality of a sensory-motor vestibular network in subclinical agoraphobia. , 2019, 2019, 4342-4345.		1
1023	Graph Spectral Characterization of Brain Cortical Morphology. , 2019, 2019, 458-462.		10
1024	Diffusion MRI Consistent Wire Models for Efficient Solutions of the Anisotropic Forward Problem in Electroencephalography. , 2019, , .		1
1025	The posterior cingulate cortex: Insights from structure and function. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 166, 73-85.	1.0	49
1026	Differential involvement of rubral branches in chronic capsular and pontine stroke. NeuroImage: Clinical, 2019, 24, 102090.	1.4	11
1027	Determining the Hierarchical Architecture of the Human Brain Using Subject-Level Clustering of Functional Networks. Scientific Reports, 2019, 9, 19290.	1.6	63
1028	Analyzing Neuroimaging Data Through Recurrent Deep Learning Models. Frontiers in Neuroscience, 2019, 13, 1321.	1.4	58
1029	Multimodal image registration and connectivity analysis for integration of connectomic data from microscopy to MRI. Nature Communications, 2019, 10, 5504.	5.8	66
1030	Deficits in executive function and suppression of default mode network in obesity. NeuroImage: Clinical, 2019, 24, 102015.	1.4	28
1031	Local vulnerability and global connectivity jointly shape neurodegenerative disease propagation. PLoS Biology, 2019, 17, e3000495.	2.6	79
1032	The Dmipy Toolbox: Diffusion MRI Multi-Compartment Modeling and Microstructure Recovery Made Easy. Frontiers in Neuroinformatics, 2019, 13, 64.	1.3	51
1033	Knowing What You Know in Brain Segmentation Using Bayesian Deep Neural Networks. Frontiers in Neuroinformatics, 2019, 13, 67.	1.3	36
1034	Global vs. Network-Specific Regulations as the Source of Intrinsic Coactivations in Resting-State Networks. Frontiers in Systems Neuroscience, 2019, 13, 65.	1.2	9
1035	Deep Graph Similarity Learning for Brain Data Analysis. , 2019, , .		28
1036	Evaluation of Six Phase Encoding Based Susceptibility Distortion Correction Methods for Diffusion MRI. Frontiers in Neuroinformatics, 2019, 13, 76.	1.3	15
1037	Partial Least Squares Regression Performs Well in MRI-Based Individualized Estimations. Frontiers in Neuroscience, 2019, 13, 1282.	1.4	26
1038	The visual word form area (VWFA) is part of both language and attention circuitry. Nature Communications, 2019, 10, 5601.	5.8	88
1040	Functional Neuroimaging in the New Era of Big Data. Genomics, Proteomics and Bioinformatics, 2019, 17, 393-401.	3.0	25

#	Article	IF	Citations
1041	A featureâ€based convolutional neural network for reconstruction of interventional MRI. NMR in Biomedicine, 2022, 35, e4231.	1.6	3
1042	Scanâ€specific robust artificialâ€neuralâ€networks for kâ€space interpolation (RAKI) reconstruction: Databaseâ€free deep learning for fast imaging. Magnetic Resonance in Medicine, 2019, 81, 439-453.	1.9	253
1043	A MATLAB toolbox for multivariate analysis of brain networks. Human Brain Mapping, 2019, 40, 175-186.	1.9	17
1044	Functional Connectivity Analysis of Cerebellum Using Spatially Constrained Spectral Clustering. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1710-1719.	3.9	3
1045	Task activations produce spurious but systematic inflation of task functional connectivity estimates. NeuroImage, 2019, 189, 1-18.	2.1	158
1046	Dynamic Computational Model of the Human Spinal Cord Connectome. Neural Computation, 2019, 31, 388-416.	1.3	7
1047	The Cerebral Cortex is Bisectionally Segregated into Two Fundamentally Different Functional Units of Gyri and Sulci. Cerebral Cortex, 2019, 29, 4238-4252.	1.6	28
1048	Genetic influences on cortical myelination in the human brain. Genes, Brain and Behavior, 2019, 18, e12537.	1.1	19
1049	Comparative neuroanatomy: Integrating classic and modern methods to understand association fibers connecting dorsal and ventral visual cortex. Neuroscience Research, 2019, 146, 1-12.	1.0	16
1050	How do spatially distinct frequency specific MEG networks emerge from one underlying structural connectome? The role of the structural eigenmodes. NeuroImage, 2019, 186, 211-220.	2.1	81
1051	Genetic architecture of hippocampal subfields on standard resolution MRI: How the parts relate to the whole. Human Brain Mapping, 2019, 40, 1528-1540.	1.9	16
1052	Denoising high angular resolution diffusion imaging data by combining singular value decomposition and non-local means filter. Journal of Neuroscience Methods, 2019, 312, 105-113.	1.3	10
1053	Identifying Brain Networks at Multiple Time Scales via Deep Recurrent Neural Network. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2515-2525.	3.9	17
1054	Person-Based Brain Morphometric Similarity is Heritable and Correlates With Biological Features. Cerebral Cortex, 2019, 29, 852-862.	1.6	27
1055	Inversion of a large-scale circuit model reveals a cortical hierarchy in the dynamic resting human brain. Science Advances, 2019, 5, eaat7854.	4.7	192
1056	Harnessing networks and machine learning in neuropsychiatric care. Current Opinion in Neurobiology, 2019, 55, 32-39.	2.0	12
1057	Brain functional development separates into three distinct time periods in the first two years of life. NeuroImage, 2019, 189, 715-726.	2.1	19
1058	Archetypes of human cognition defined by time preference for reward and their brain correlates: An evolutionary trade-off approach. NeuroImage, 2019, 185, 322-334.	2.1	15

#	Article	IF	Citations
1059	Limits and reproducibility of resting-state functional MRI definition of DLPFC targets for neuromodulation. Brain Stimulation, 2019, 12, 129-138.	0.7	45
1060	Genetic influence on contrast sensitivity in young adults. Acta Ophthalmologica, 2019, 97, e663-e664.	0.6	3
1061	Fiber length profiling: A novel approach to structural brain organization. NeuroImage, 2019, 186, 164-173.	2.1	35
1062	Reproducibility and intercorrelation of graph theoretical measures in structural brain connectivity networks. Medical Image Analysis, 2019, 52, 56-67.	7.0	57
1063	Intersubject similarity of personality is associated with intersubject similarity of brain connectivity patterns. NeuroImage, 2019, 186, 56-69.	2.1	38
1064	Urinary tetrahydrocannabinol is associated with poorer working memory performance and alterations in associated brain activity. Neuropsychopharmacology, 2019, 44, 613-619.	2.8	14
1065	Using deep autoencoders to identify abnormal brain structural patterns in neuropsychiatric disorders: A largeâ€scale multiâ€sample study. Human Brain Mapping, 2019, 40, 944-954.	1.9	83
1066	Fiber orientation distribution function from non-negative sparse recovery with quantitative analysis of local fiber orientations and tractography using DW-MRI datasets. Magnetic Resonance Imaging, 2019, 57, 218-234.	1.0	0
1067	Linking structural and effective brain connectivity: structurally informed Parametric Empirical Bayes (si-PEB). Brain Structure and Function, 2019, 224, 205-217.	1.2	36
1068	Intraâ€cortical myelin mediates personality differences. Journal of Personality, 2019, 87, 889-902.	1.8	21
1069	Whole mouse brain connectomics. Journal of Comparative Neurology, 2019, 527, 2146-2157.	0.9	22
1070	Cluster failure revisited: Impact of first level design and physiological noise on cluster false positive rates. Human Brain Mapping, 2019, 40, 2017-2032.	1.9	60
1071	Dynamic properties of simulated brain network models and empirical resting-state data. Network Neuroscience, 2019, 3, 405-426.	1.4	14
1072	Large-scale comparative neuroimaging: Where are we and what do we need?. Cortex, 2019, 118, 188-202.	1.1	47
1073	High-accuracy individual identification using a â€œthin sliceâ€•of the functional connectome. Network Neuroscience, 2019, 3, 363-383.	1.4	39
1074	Implicit reappraisal as an emotional buffer: Reappraisal-related neural activity moderates the relationship between inattention and perceived stress during exposure to negative stimuli. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 355-365.	1.0	23
1075	Mapping connectomes with diffusion MRI: deterministic or probabilistic tractography?. Magnetic Resonance in Medicine, 2019, 81, 1368-1384.	1.9	147
1076	Fast and scalable distributed deep convolutional autoencoder for fMRI big data analytics. Neurocomputing, 2019, 325, 20-30.	3.5	27

#	Article	IF	Citations
1077	Human Connectome Project-style resting-state functional MRI at 7 Tesla using radiofrequency parallel transmission. NeuroImage, 2019, 184, 396-408.	2.1	22
1078	The uniqueness of the individual functional connectome. , 2019, , 63-81.		2
1079	Resting state dynamics meets anatomical structure: Temporal multiple kernel learning (tMKL) model. NeuroImage, 2019, 184, 609-620.	2.1	19
1080	Identifying and Engaging Neuronal Oscillations by Transcranial Alternating Current Stimulation in Patients With Chronic Low Back Pain: A Randomized, Crossover, Double-Blind, Sham-Controlled Pilot Study. Journal of Pain, 2019, 20, 277.e1-277.e11.	0.7	67
1081	Insights into cognition from network science analyses of human brain functional connectivity: Working memory as a test case. , 2019, , 27-41.		4
1082	A mixed-modeling framework for analyzing multitask whole-brain network data. Network Neuroscience, 2019, 3, 307-324.	1.4	19
1083	Mapping the human brain's cortical-subcortical functional network organization. NeuroImage, 2019, 185, 35-57.	2.1	371
1084	Clustering-based multi-view network fusion for estimating brain network atlases of healthy and disordered populations. Journal of Neuroscience Methods, 2019, 311, 426-435.	1.3	22
1085	Diffusion MRI fiber tractography of the brain. NMR in Biomedicine, 2019, 32, e3785.	1.6	346
1086	Building connectomes using diffusion MRI: why, how and but. NMR in Biomedicine, 2019, 32, e3752.	1.6	209
1087	Advances in computational and statistical diffusion MRI. NMR in Biomedicine, 2019, 32, e3805.	1.6	17
1088	A Distributed Computing Platform for fMRI Big Data Analytics. IEEE Transactions on Big Data, 2019, 5, 109-119.	4.4	10
1089	Cerebrovascular blood oxygenation level dependent pulsatility at baseline and following acute exercise among healthy adolescents. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1737-1749.	2.4	12
1090	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. NeuroImage, 2019, 185, 891-905.	2.1	234
1091	Toward Leveraging Human Connectomic Data in Large Consortia: Generalizability of fMRI-Based Brain Graphs Across Sites, Sessions, and Paradigms. Cerebral Cortex, 2019, 29, 1263-1279.	1.6	55
1092	Multiparametric measurement of cerebral physiology using calibrated fMRI. NeuroImage, 2019, 187, 128-144.	2.1	22
1093	Human Cortical Thickness Organized into Genetically-determined Communities across Spatial Resolutions. Cerebral Cortex, 2019, 29, 106-118.	1.6	18
1094	Subject specificity of the correlation between large-scale structural and functional connectivity. Network Neuroscience, 2019, 3, 90-106.	1.4	25

#	Article	IF	Citations
1095	Causal mapping of emotion networks in the human brain: Framework and initial findings. Neuropsychologia, 2020, 145, 106571.	0.7	22
1096	Regional growth trajectories of cortical myelination in adolescents and young adults: longitudinal validation and functional correlates. Brain Imaging and Behavior, 2020, 14, 242-266.	1.1	33
1097	D-CCA: A Decomposition-Based Canonical Correlation Analysis for High-Dimensional Datasets. Journal of the American Statistical Association, 2020, 115, 292-306.	1.8	22
1098	Modeling Communication Processes in the Human Connectome through Cooperative Learning. IEEE Transactions on Network Science and Engineering, 2020, 7, 476-488.	4.1	11
1099	Toward Robust Anxiety Biomarkers: A Machine Learning Approach in a Large-Scale Sample. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 799-807.	1.1	25
1100	Reduced Segregation Between Cognitive and Emotional Processes in Cannabis Dependence. Cerebral Cortex, 2020, 30, 628-639.	1.6	12
1101	Cellular Automata Tractography: Fast Geodesic Diffusion MR Tractography and Connectivity Based Segmentation on the GPU. Neuroinformatics, 2020, 18, 25-41.	1.5	3
1102	A Bayesian General Linear Modeling Approach to Cortical Surface fMRI Data Analysis. Journal of the American Statistical Association, 2020, 115, 501-520.	1.8	32
1103	Differential Contribution of Cortical Thickness, Surface Area, and Gyrification to Fluid and Crystallized Intelligence. Cerebral Cortex, 2020, 30, 215-225.	1.6	56
1104	Functional Parcellation of Human Brain Precuneus Using Density-Based Clustering. Cerebral Cortex, 2020, 30, 269-282.	1.6	37
1105	The present and future use of functional nearâ€infrared spectroscopy (fNIRS) for cognitive neuroscience. Annals of the New York Academy of Sciences, 2020, 1464, 5-29.	1.8	498
1106	Decoding Brain States From fMRI Signals by Using Unsupervised Domain Adaptation. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1677-1685.	3.9	20
1107	The quandary of covarying: A brief review and empirical examination of covariate use in structural neuroimaging studies on psychological variables. NeuroImage, 2020, 205, 116225.	2.1	51
1108	Individualized functional networks reconfigure with cognitive state. NeuroImage, 2020, 206, 116233.	2.1	54
1109	Deep MR Brain Image Super-Resolution Using Spatio-Structural Priors. IEEE Transactions on Image Processing, 2020, 29, 1368-1383.	6.0	37
1110	Patterns of individual differences in fiber tract integrity of the face processing brain network support neurofunctional models. NeuroImage, 2020, 204, 116229.	2.1	11
1111	Neuroimage signature from salient keypoints is highly specific to individuals and shared by close relatives. NeuroImage, 2020, 204, 116208.	2.1	8
1112	Large scale networks for human hand-object interaction: Functionally distinct roles for two premotor regions identified intraoperatively. NeuroImage, 2020, 204, 116215.	2.1	12

#	Article	IF	Citations
1113	Convergent Evidence for Predispositional Effects of Brain Gray Matter Volume on Alcohol Consumption. Biological Psychiatry, 2020, 87, 645-655.	0.7	32
1114	Template Independent Component Analysis: Targeted and Reliable Estimation of Subject-level Brain Networks Using Big Data Population Priors. Journal of the American Statistical Association, 2020, 115, 1151-1177.	1.8	29
1115	Dynamic functioning of transient restingâ€state coactivation networks in the Human Connectome Project. Human Brain Mapping, 2020, 41, 373-387.	1.9	24
1116	Characteristics of respiratory measures in young adults scanned at rest, including systematic changes and â€œmissedâ€•deep breaths. NeuroImage, 2020, 204, 116234.	2.1	49
1117	Mitigating gyral bias in cortical tractography via asymmetric fiber orientation distributions. Medical Image Analysis, 2020, 59, 101543.	7.0	24
1118	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. NeuroImage, 2020, 206, 116276.	2.1	187
1119	Toward a Neural Model of the Openness-Psychoticism Dimension: Functional Connectivity in the Default and Frontoparietal Control Networks. Schizophrenia Bulletin, 2020, 46, 540-551.	2.3	25
1120	MoDL-MUSSELS: Model-Based Deep Learning for Multishot Sensitivity-Encoded Diffusion MRI. IEEE Transactions on Medical Imaging, 2020, 39, 1268-1277.	5.4	32
1121	Uncovering a Role for the Dorsal Hippocampal Commissure in Recognition Memory. Cerebral Cortex, 2020, 30, 1001-1015.	1.6	15
1122	Altered Effective Connectivity of Central Autonomic Network in Response to Negative Facial Expression in Adults With Cannabis Use Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 84-96.	1.1	8
1123	Predicting human inhibitory control from brain structural MRI. Brain Imaging and Behavior, 2020, 14, 2148-2158.	1.1	18
1124	Distanceâ€based analysis of variance for brain connectivity. Biometrics, 2020, 76, 257-269.	0.8	2
1125	A Data Structure for Real-Time Aggregation Queries of Big Brain Networks. Neuroinformatics, 2020, 18, 131-149.	1.5	2
1126	Analyzing Dynamical Brain Functional Connectivity as Trajectories on Space of Covariance Matrices. IEEE Transactions on Medical Imaging, 2020, 39, 611-620.	5.4	21
1127	Toward a Better Estimation of Functional Brain Network for Mild Cognitive Impairment Identification: A Transfer Learning View. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1160-1168.	3.9	39
1128	A likelihood ratio approach for functional localization in fMRI. Journal of Neuroscience Methods, 2020, 330, 108417.	1.3	0
1129	Facing privacy in neuroimaging: removing facial features degrades performance of image analysis methods. European Radiology, 2020, 30, 1062-1074.	2.3	30
1130	Human Olfaction without Apparent Olfactory Bulbs. Neuron, 2020, 105, 35-45.e5.	3.8	48

#	Article	IF	Citations
1131	Sample sizes and population differences in brain template construction. NeuroImage, 2020, 206, 116318.	2.1	44
1132	State-based network similarity visualization. Information Visualization, 2020, 19, 96-113.	1.2	4
1133	Defining Individual-Specific Functional Neuroanatomy for Precision Psychiatry. Biological Psychiatry, 2020, 88, 28-39.	0.7	109
1134	Distributed Patterns of Functional Connectivity Predict Working Memory Performance in Novel Healthy and Memory-impaired Individuals. Journal of Cognitive Neuroscience, 2020, 32, 241-255.	1.1	62
1135	Associations of Gray Matter Volume and Perceived Intensity of Bitter Taste: a Voxel-Based Morphometry Study. Chemosensory Perception, 2020, 13, 119-122.	0.7	0
1136	Genetic and Environmental Influence on the Human Functional Connectome. Cerebral Cortex, 2020, 30, 2099-2113.	1.6	22
1137	Investigating microstructural variation in the human hippocampus using non-negative matrix factorization. NeuroImage, 2020, 207, 116348.	2.1	43
1138	Four-Dimensional Modeling of fMRI Data via Spatioâ€“Temporal Convolutional Neural Networks (ST-CNNs). IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 451-460.	2.6	28
1139	Regressionâ€based machineâ€learning approaches to predict task activation using restingâ€state fMRI. Human Brain Mapping, 2020, 41, 815-826.	1.9	24
1140	Machine learning based imaging biomarkers in large scale population studies: A neuroimaging perspective. , 2020, , 379-399.		8
1141	Tractostorm: The what, why, and how of tractography dissection reproducibility. Human Brain Mapping, 2020, 41, 1859-1874.	1.9	59
1142	Common misconceptions, hidden biases and modern challenges of dMRI tractography. Journal of Neural Engineering, 2020, 17, 011001.	1.8	73
1143	The relationship between cortical thickness and language comprehension varies with sex in healthy young adults: a large sample analysis. NeuroReport, 2020, 31, 184-188.	0.6	0
1144	Polygenic risk for Alzheimer's disease shapes hippocampal scene-selectivity. Neuropsychopharmacology, 2020, 45, 1171-1178.	2.8	8
1145	JEDI: J oint E stimation D iffusion I maging of macroscopic and microscopic tissue properties. Magnetic Resonance in Medicine, 2020, 84, 966-990.	1.9	3
1146	THINKING-LOOP: The Semantic Vector Driven Closed-Loop Model for Brain Computing. IEEE Access, 2020, 8, 4273-4288.	2.6	7
1147	Anatomically guided examination of extrinsic connectivity gradients in the human hippocampus. Cortex, 2020, 128, 312-317.	1.1	4
1148	A Unique Brain Connectome Fingerprint Predates and Predicts Response to Antidepressants. IScience, 2020, 23, 100800.	1.9	19

#	Article	IF	Citations
1149	Multiscale Multimodal Medical Imaging. Lecture Notes in Computer Science, 2020, , .	1.0	2
1150	Modeling Brain Diverse and Complex Hemodynamic Response Patterns via Deep Recurrent Autoencoder. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 733-743.	2.6	9
1151	A comparison of statistical and machine learning methods for creating national daily maps of ambient PM2.5 concentration. Atmospheric Environment, 2020, 222, 117130.	1.9	44
1152	There is no single functional atlas even for a single individual: Functional parcel definitions change with task. NeuroImage, 2020, 208, 116366.	2.1	172
1153	Effective connectivity modulations related to win and loss outcomes. NeuroImage, 2020, 207, 116369.	2.1	5
1154	Effects of motion related outliers in dynamic functional connectivity using the sliding window method. Journal of Neuroscience Methods, 2020, 330, 108519.	1.3	20
1155	Comparing functional connectivity matrices: A geometry-aware approach applied to participant identification. NeuroImage, 2020, 207, 116398.	2.1	64
1156	Enforcing necessary non-negativity constraints for common diffusion MRI models using sum of squares programming. NeuroImage, 2020, 209, 116405.	2.1	13
1157	Parasympathetic arousal-related cortical activity is associated with attention during cognitive task performance. NeuroImage, 2020, 208, 116469.	2.1	21
1158	Functional Parcellation of Individual Cerebral Cortex Based on Functional MRI. Neuroinformatics, 2020, 18, 295-306.	1.5	10
1159	Cluster failure or power failure? Evaluating sensitivity in cluster-level inference. NeuroImage, 2020, 209, 116468.	2.1	62
1160	From Synaptic Interactions to Collective Dynamics in Random Neuronal Networks Models: Critical Role of Eigenvectors and Transient Behavior. Neural Computation, 2020, 32, 395-423.	1.3	10
1161	An overlapping community detection algorithm based on rough clustering of links. Data and Knowledge Engineering, 2020, 125, 101777.	2.1	21
1162	The anatomo-functional organization of the hyperdirect cortical pathway to the subthalamic area using in vivo structural connectivity imaging in humans. Brain Structure and Function, 2020, 225, 551-565.	1.2	23
1163	Subdividing the superior longitudinal fasciculus using local quantitative MRI. NeuroImage, 2020, 208, 116439.	2.1	19
1164	Decoding and mapping task states of the human brain via deep learning. Human Brain Mapping, 2020, 41, 1505-1519.	1.9	61
1165	White matter connectometry among individuals with self-reported family history of drug and alcohol use disorders. Drug and Alcohol Dependence, 2020, 206, 107710.	1.6	2
1166	Next-generation neural mass and field modeling. Journal of Neurophysiology, 2020, 123, 726-742.	0.9	49

#	Article	IF	Citations
1167	Discovering the shared biology of cognitive traits determined by genetic overlap. NeuroImage, 2020, 208, 116409.	2.1	5
1168	Statistical model for dynamically-changing correlation matrices with application to brain connectivity. Journal of Neuroscience Methods, 2020, 331, 108480.	1.3	9
1169	Replicable brain signatures of emotional bias and memory based on diffusion kurtosis imaging of white matter tracts. Human Brain Mapping, 2020, 41, 1274-1285.	1.9	8
1170	Denoising scanner effects from multimodal MRI data using linked independent component analysis. NeuroImage, 2020, 208, 116388.	2.1	32
1171	Clinically feasible brain morphometric similarity network construction approaches with restricted magnetic resonance imaging acquisitions. Network Neuroscience, 2020, 4, 274-291.	1.4	21
1172	Using a co-twin control design to evaluate alternative trait measures as indices of liability for substance use disorders. International Journal of Psychophysiology, 2020, 148, 75-83.	0.5	9
1173	Automatic Segmentation of the Dorsal Claustrum in Humans Using in vivo High-Resolution MRI. Cerebral Cortex Communications, 2020, 1, tgaa062.	0.7	5
1174	Rapid Quantification of White Matter Disconnection in the Human Brain. , 2020, 2020, 1701-1704.		3
1175	Effects of Autonomous Sensory Meridian Response on the Functional Connectivity as Measured by Functional Magnetic Resonance Imaging. Frontiers in Behavioral Neuroscience, 2020, 14, 154.	1.0	7
1176	Intensity warping for multisite MRI harmonization. NeuroImage, 2020, 223, 117242.	2.1	34
1177	Edge-centric functional network representations of human cerebral cortex reveal overlapping system-level architecture. Nature Neuroscience, 2020, 23, 1644-1654.	7.1	167
1178	Construction and analysis of brain networks from different neuroimaging techniques. International Journal of Neuroscience, 2020, , 1-22.	0.8	5
1179	Multivariate Lesion-Behavior Mapping of General Cognitive Ability and Its Psychometric Constituents. Journal of Neuroscience, 2020, 40, 8924-8937.	1.7	29
1180	Structural neuroimaging. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 174, 251-264.	1.0	0
1181	Detection of functional networks within white matter using independent component analysis. NeuroImage, 2020, 222, 117278.	2.1	28
1182	fMRI volume classification using a 3D convolutional neural network robust to shifted and scaled neuronal activations. NeuroImage, 2020, 223, 117328.	2.1	17
1183	Unsupervised stratification in neuroimaging through deep latent embeddings. , 2020, 2020, 1568-1571.		7
1184	Converging Resting State Networks Unravels Potential Remote Effects of Transcranial Magnetic Stimulation for Major Depression. Frontiers in Psychiatry, 2020, 11, 836.	1.3	12

#	Article	IF	Citations
1185	The superior frontal longitudinal tract: a connection between the dorsal premotor and the dorsolateral prefrontal cortices. Scientific Reports, 2020, 10, 15855.	1.6	3
1186	In vivo estimates of axonal stretch and 3D brain deformation during mild head impact. Brain Multiphysics, 2020, 1, 100015.	0.8	43
1187	The human corticocortical vestibular network. NeuroImage, 2020, 223, 117362.	2.1	34
1188	Topographic organization of the human subcortex unveiled with functional connectivity gradients. Nature Neuroscience, 2020, 23, 1421-1432.	7.1	314
1189	Task-evoked activity quenches neural correlations and variability across cortical areas. PLoS Computational Biology, 2020, 16, e1007983.	1.5	62
1190	Damage to the structural connectome reflected in resting-state fMRI functional connectivity. Network Neuroscience, 2020, 4, 1197-1218.	1.4	14
1191	Innate connectivity patterns drive the development of the visual word form area. Scientific Reports, 2020, 10, 18039.	1.6	37
1192	High-amplitude cofluctuations in cortical activity drive functional connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28393-28401.	3.3	159
1193	<scp>MRI</scp>â€visible dilated perivascular spaces in healthy young adults: A twin heritability study. Human Brain Mapping, 2020, 41, 5313-5324.	1.9	14
1194	Disentangling time series between brain tissues improves fMRI data quality using a time-dependent deep neural network. NeuroImage, 2020, 223, 117340.	2.1	10
1195	Identification of a distinct association fiber tract â€œIPS-FGâ€•to connect the intraparietal sulcus areas and fusiform gyrus by white matter dissection and tractography. Scientific Reports, 2020, 10, 15475.	1.6	10
1196	Cortical surface registration using unsupervised learning. NeuroImage, 2020, 221, 117161.	2.1	26
1197	Frequency-dependent circuits anchored in the dorsal and ventral left anterior insula. Scientific Reports, 2020, 10, 16394.	1.6	13
1198	Magnetic resonance imaging in multiple sclerosis animal models: A systematic review, meta-analysis, and white paper. NeuroImage: Clinical, 2020, 28, 102371.	1.4	6
1199	Relationship Between Basic Properties of BOLD Fluctuations and Calculated Metrics of Complexity in the Human Connectome Project. Frontiers in Neuroscience, 2020, 14, 550923.	1.4	6
1200	Reconstructing lost BOLD signal in individual participants using deep machine learning. Nature Communications, 2020, 11, 5046.	5.8	20
1201	Anatomical Characterization of the Human Structural Connectivity between the Pedunculopontine Nucleus and Globus Pallidus via Multi-Shell Multi-Tissue Tractography. Medicina (Lithuania), 2020, 56, 452.	0.8	5
1202	Exploring functional brain activity in neonates: A resting-state fMRI study. Developmental Cognitive Neuroscience, 2020, 45, 100850.	1.9	12

#	Article	IF	Citations
1203	Connectivity-based localization of human hypothalamic nuclei in functional images of standard voxel size. NeuroImage, 2020, 221, 117205.	2.1	9
1204	The developing Human Connectome Project (dHCP) automated resting-state functional processing framework for newborn infants. NeuroImage, 2020, 223, 117303.	2.1	81
1205	Obesity is associated with reduced orbitofrontal cortex volume: A coordinate-based meta-analysis. NeuroImage: Clinical, 2020, 28, 102420.	1.4	20
1206	Anatomy and White Matter Connections of the Inferior Temporal Gyrus. World Neurosurgery, 2020, 143, e656-e666.	0.7	66
1207	A unified framework for association and prediction from vertexâ€wise greyâ€matter structure. Human Brain Mapping, 2020, 41, 4062-4076.	1.9	16
1208	Timescales of spontaneous fMRI fluctuations relate to structural connectivity in the brain. Network Neuroscience, 2020, 4, 788-806.	1.4	38
1209	Fine-grain atlases of functional modes for fMRI analysis. NeuroImage, 2020, 221, 117126.	2.1	64
1210	Prediction and classification of sleep quality based on phase synchronization related whole-brain dynamic connectivity using resting state fMRI. NeuroImage, 2020, 221, 117190.	2.1	18
1211	Brain meta-state transitions demarcate thoughts across task contexts exposing the mental noise of trait neuroticism. Nature Communications, 2020, 11, 3480.	5.8	20
1212	Rest-task modulation of fMRI-derived global signal topography is mediated by transient coactivation patterns. PLoS Biology, 2020, 18, e3000733.	2.6	41
1213	Identification of the brain networks that contribute to the interaction between physical function and working memory: An fMRI investigation with over 1,000 healthy adults. NeuroImage, 2020, 221, 117152.	2.1	12
1214	T-distribution stochastic neighbor embedding for fine brain functional parcellation on rs-fMRI. Brain Research Bulletin, 2020, 162, 199-207.	1.4	12
1215	A cortical hierarchy of localized and distributed processes revealed via dissociation of task activations, connectivity changes, and intrinsic timescales. NeuroImage, 2020, 221, 117141.	2.1	77
1216	Quantifying Genetic and Environmental Influence on Gray Matter Microstructure Using Diffusion MRI. Cerebral Cortex, 2020, 30, 6191-6205.	1.6	8
1217	Structural connectivity predicts clinical outcomes of deep brain stimulation for Tourette syndrome. Brain, 2020, 143, 2607-2623.	3.7	50
1218	Sleep duration is associated with white matter microstructure and cognitive performance in healthy adults. Human Brain Mapping, 2020, 41, 4397-4405.	1.9	38
1219	The Use of Tractography-Based Targeting in Deep Brain Stimulation for Psychiatric Indications. Frontiers in Human Neuroscience, 2020, 14, 588423.	1.0	7
1220	Snowball ICA: A Model Order Free Independent Component Analysis Strategy for Functional Magnetic Resonance Imaging Data. Frontiers in Neuroscience, 2020, 14, 569657.	1.4	14

#	Article	IF	Citations
1221	Associations Between Physical Fitness and Brain Structure in Young Adulthood. Frontiers in Psychology, 2020, 11, 608049.	1.1	4
1222	Mapping the principal gradient onto the corpus callosum. NeuroImage, 2020, 223, 117317.	2.1	22
1223	Parameterizing neural power spectra into periodic and aperiodic components. Nature Neuroscience, 2020, 23, 1655-1665.	7.1	877
1224	Bridging the Brain and Data Sciences. Big Data, 2020, 9, 153-187.	2.1	6
1225	Rxnat: An Open-Source R Package for XNAT-Based Repositories. Frontiers in Neuroinformatics, 2020, 14, 572068.	1.3	1
1226	Origin of the Time Lag Phenomenon and the Global Signal in Resting-State fMRI. Frontiers in Neuroscience, 2020, 14, 596084.	1.4	17
1227	Brain connectomes come of age. Current Opinion in Neurobiology, 2020, 65, 152-161.	2.0	11
1228	How Tasks Change Whole-Brain Functional Organization to Reveal Brain-Phenotype Relationships. Cell Reports, 2020, 32, 108066.	2.9	62
1229	Body mass index, time of day and genetics affect perivascular spaces in the white matter. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1563-1578.	2.4	57
1230	Brain Entropy Mapping in Healthy Aging and Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 596122.	1.7	25
1231	Axon diameter index estimation independent of fiber orientation distribution using high-gradient diffusion MRI. NeuroImage, 2020, 222, 117197.	2.1	49
1232	Accounting for Changing Structure in Functional Network Analysis of TBI Patients. Frontiers in Systems Neuroscience, 2020, 14, 42.	1.2	1
1233	Behavioralâ€“genetic associations in the Human Connectome Project. Experimental Brain Research, 2020, 238, 2445-2456.	0.7	3
1234	Anatomically Informed Bayesian Spatial Priors for FMRI Analysis. , 2020, , .		1
1235	Brain Waves: Emergence of Localized, Persistent, Weakly Evanescent Cortical Loops. Journal of Cognitive Neuroscience, 2020, 32, 2178-2202.	1.1	7
1236	Joint Multi-modal Parcellation of the Human Striatum: Functions and Clinical Relevance. Neuroscience Bulletin, 2020, 36, 1123-1136.	1.5	14
1237	A new method for accurate in vivo mapping of human brain connections using microstructural and anatomical information. Science Advances, 2020, 6, eaba8245.	4.7	64
1238	Brain network constraints and recurrent neural networks reproduce unique trajectories and state transitions seen over the span of minutes in resting-state fMRI. Network Neuroscience, 2020, 4, 448-466.	1.4	6

#	Article	IF	Citations
1239	Spatially coherent and topographically organized pathways of the human globus pallidus. Human Brain Mapping, 2020, 41, 4641-4661.	1.9	26
1240	Differences in directed functional brain connectivity related to age, sex and mental health. Human Brain Mapping, 2020, 41, 4173-4186.	1.9	8
1241	GEFF: Graph embedding for functional fingerprinting. NeuroImage, 2020, 221, 117181.	2.1	28
1242	Polygenic evidence and overlapped brain functional connectivities for the association between chronic pain and sleep disturbance. Translational Psychiatry, 2020, 10, 252.	2.4	15
1243	Knowledge Transfer Between Datasets for Learning-Based Tissue Microstructure Estimation. , 2020, , .		2
1244	R-FMRI Reconstruction from K-T Undersampled Simultaneous-Multislice (SMS) MRI with Controlled Aliasing: Towards Higher Spatial Resolution. , 2020, , .		2
1245	Gyral-sulcal contrast in intrinsic functional brain networks across task performances. Brain Imaging and Behavior, 2021, 15, 1483-1498.	1.1	6
1246	Modelling subject variability in the spatial and temporal characteristics of functional modes. NeuroImage, 2020, 222, 117226.	2.1	28
1247	Estimation of global and local complexities of brain networks: A random walks approach. Network Neuroscience, 2020, 4, 575-594.	1.4	6
1248	Performance benefits of Intel^{Â®} Optaneâ„¢ DC persistent memory for the parallel processing of large neuroimaging data. , 2020, , .		3
1249	Network communication models improve the behavioral and functional predictive utility of the human structural connectome. Network Neuroscience, 2020, 4, 980-1006.	1.4	70
1250	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
1251	An â€˜edgyâ€™ new look. Nature Neuroscience, 2020, 23, 1471-1472.	7.1	6
1252	Misfolded protein propagation in an integrated computational model of structural network and LRRK2 gene expression. , 2020, 2020, 2368-2371.		2
1253	Cortico-Subcortical Functional Connectivity Profiles of Resting-State Networks in Marmosets and Humans. Journal of Neuroscience, 2020, 40, 9236-9249.	1.7	25
1254	A naturalistic neuroimaging database for understanding the brain using ecological stimuli. Scientific Data, 2020, 7, 347.	2.4	54
1255	Normal Mouse Brain Proteome II: Analysis of Brain Regions by High-resolution Mass Spectrometry. Cancer Genomics and Proteomics, 2020, 17, 757-767.	1.0	13
1256	The spatial organization of the chronnectome associates with cortical hierarchy and transcriptional profiles in the human brain. NeuroImage, 2020, 222, 117296.	2.1	29

#	Article	IF	Citations
1257	Structural determinants of dynamic fluctuations between segregation and integration on the human connectome. Communications Biology, 2020, 3, 606.	2.0	18
1258	A Topic Learning Pipeline for Curating Brain Cognitive Researches. IEEE Access, 2020, 8, 191758-191774.	2.6	2
1259	A novel 3D medical image super-resolution method based on densely connected network. Biomedical Signal Processing and Control, 2020, 62, 102120.	3.5	8
1260	Earlier onset of menstruation is related to increased body mass index in adulthood and altered functional correlations between visual, task control and somatosensory brain networks. Journal of Neuroendocrinology, 2020, 32, e12891.	1.2	4
1261	The emergence of a functionally flexible brain during early infancy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23904-23913.	3.3	36
1262	A novel Graph Attention Network Architecture for modeling multimodal brain connectivity. , 2020, 2020, 1071-1074.		3
1263	Wholeâ€brain functional connectivity correlates of obesity phenotypes. Human Brain Mapping, 2020, 41, 4912-4924.	1.9	22
1264	Recent advances of deep learning in psychiatric disorders. Precision Clinical Medicine, 2020, 3, 202-213.	1.3	16
1265	Typicality of functional connectivity robustly captures motion artifacts in <scp>rsâ€fMRI</scp> across datasets, atlases, and preprocessing pipelines. Human Brain Mapping, 2020, 41, 5325-5340.	1.9	10
1266	Shared Versus Disorder-Specific Brain Morphometric Features of Major Psychiatric Disorders in Adulthood. Biological Psychiatry, 2020, 88, e41-e43.	0.7	3
1267	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. Science Advances, 2020, 6, .	4.7	97
1268	Situating the left-lateralized language network in the broader organization of multiple specialized large-scale distributed networks. Journal of Neurophysiology, 2020, 124, 1415-1448.	0.9	124
1269	Effects of different intracranial volume correction methods on univariate sex differences in grey matter volume and multivariate sex prediction. Scientific Reports, 2020, 10, 12953.	1.6	39
1270	Learning Weighted Submanifolds With Variational Autoencoders and Riemannian Variational Autoencoders. , 2020, , .		9
1271	A Comparison of Methods for High-Spatial-Resolution Diffusion-weighted Imaging in Breast MRI. Radiology, 2020, 297, 304-312.	3.6	33
1272	Gender-Related and Hemispheric Effects in Cortical Thickness-Based Hemispheric Brain Morphological Network. BioMed Research International, 2020, 2020, 1-13.	0.9	4
1273	The Importance of Cerebellar Connectivity on Simulated Brain Dynamics. Frontiers in Cellular Neuroscience, 2020, 14, 240.	1.8	14
1274	A Deep Network Model on Dynamic Functional Connectivity With Applications to Gender Classification and Intelligence Prediction. Frontiers in Neuroscience, 2020, 14, 881.	1.4	22

#	Article	IF	Citations
1275	Local and whole-network topologies reveal that pulvinar and semantic hub interactions correlate with picture vocabulary. NeuroReport, 2020, Publish Ahead of Print, 590-596.	0.6	2
1276	Dynamic Interhemispheric Desynchronization in Marmosets and Humans With Disorders of the Corpus Callosum. Frontiers in Neural Circuits, 2020, 14, 612595.	1.4	4
1277	A Connectome-Based, Corticothalamic Model of State- and Stimulation-Dependent Modulation of Rhythmic Neural Activity and Connectivity. Frontiers in Computational Neuroscience, 2020, 14, 575143.	1.2	11
1278	Structure-Aware Trail Bundling for Large DTI Datasets. Algorithms, 2020, 13, 316.	1.2	0
1279	Functional Segregation of Human Brain Networks Across the Lifespan: An Exploratory Analysis of Static and Dynamic Resting-State Functional Connectivity. Frontiers in Neuroscience, 2020, 14, 561594.	1.4	4
1280	Turbulent-like Dynamics in the Human Brain. Cell Reports, 2020, 33, 108471.	2.9	62
1281	Dimensional connectomics of anxious misery, a human connectome study related to human disease: Overview of protocol and data quality. NeuroImage: Clinical, 2020, 28, 102489.	1.4	8
1282	Brain structural correlates of insomnia severity in 1053 individuals with major depressive disorder: results from the ENIGMA MDD Working Group. Translational Psychiatry, 2020, 10, 425.	2.4	31
1283	Revisiting correlation-based functional connectivity and its relationship with structural connectivity. Network Neuroscience, 2020, 4, 1235-1251.	1.4	53
1284	Optimization of hyperparameters for SMS reconstruction. Magnetic Resonance Imaging, 2020, 73, 91-103.	1.0	3
1286	Cortico-Hippocampal Brain Connectivity-Guided Repetitive Transcranial Magnetic Stimulation Enhances Face-Cued Word-Based Associative Memory in the Short Term. Frontiers in Human Neuroscience, 2020, 14, 541791.	1.0	4
1287	Computational Diffusion MRI. Mathematics and Visualization, 2020, , .	0.4	1
1288	Toward Circuit Mechanisms of Pathophysiology in Depression. American Journal of Psychiatry, 2020, 177, 381-390.	4.0	77
1289	Toward a â€œtreadmill testâ€•for cognition: Improved prediction of general cognitive ability from the task activated brain. Human Brain Mapping, 2020, 41, 3186-3197.	1.9	72
1290	Concepts and Principles of Clinical Functional Magnetic Resonance Imaging. , 2020, , 153-167.		0
1291	Perspectives given by structural connectivity bridge the gap between structure and function. Brain Structure and Function, 2020, 225, 1189-1192.	1.2	10
1292	Cross-Disorder Analysis of Brain Structural Abnormalities in Six Major Psychiatric Disorders: A Secondary Analysis of Mega- and Meta-analytical Findings From the ENIGMA Consortium. Biological Psychiatry, 2020, 88, 678-686.	0.7	116
1293	Enhanced Regional Functional Connectivity Indicates Seizure Onset Zone. Brain Topography, 2020, 33, 545-557.	0.8	1

#	Article	IF	Citations
1294	Information Assisted Dictionary Learning for fMRI Data Analysis. IEEE Access, 2020, 8, 90052-90068.	2.6	6
1295	THC Exposure is Reflected in the Microstructure of the Cerebral Cortex and Amygdala of Young Adults. Cerebral Cortex, 2020, 30, 4949-4963.	1.6	7
1296	Mapping brainâ€“behavior networks using functional and structural connectome fingerprinting in the HCP dataset. Brain and Behavior, 2020, 10, e01647.	1.0	24
1297	Mean Diffusivity in Striatum Correlates With Acute Neuronal Death but Not Lesser Neuronal Injury in a Pilot Study of Neonatal Piglets With Encephalopathy. Journal of Magnetic Resonance Imaging, 2020, 52, 1216-1226.	1.9	9
1298	Nonlinear ICA of fMRI reveals primitive temporal structures linked to rest, task, and behavioral traits. NeuroImage, 2020, 218, 116989.	2.1	12
1299	Digging Deeper to Chart the Landscape of Human Brain Development. Neuron, 2020, 106, 209-211.	3.8	2
1300	XTRACT - Standardised protocols for automated tractography in the human and macaque brain. NeuroImage, 2020, 217, 116923.	2.1	165
1301	Transient Arousal Modulations Contribute to Resting-State Functional Connectivity Changes Associated with Head Motion Parameters. Cerebral Cortex, 2020, 30, 5242-5256.	1.6	20
1302	Iterative consensus spectral clustering improves detection of subject and group level brain functional modules. Scientific Reports, 2020, 10, 7590.	1.6	17
1303	An unsupervised deep learning technique for susceptibility artifact correction in reversed phase-encoding EPI images. Magnetic Resonance Imaging, 2020, 71, 1-10.	1.0	20
1304	A Large-Scale High-Density Weighted Structural Connectome of the Macaque Brain Acquired by Predicting Missing Links. Cerebral Cortex, 2020, 30, 4771-4789.	1.6	7
1305	Deriving resting-state fMRI biomarkers for classification of autism spectrum disorder. , 2020, , 101-123.		3
1306	Transient spectral events in resting state MEG predict individual task responses. NeuroImage, 2020, 215, 116818.	2.1	14
1307	Automatic Segmentation of White Matter Tracts Using Multiple Brain MRI Sequences. , 2020, , .		5
1308	The Role of Positive Emotions in Education: A Neuroscience Perspective. Mind, Brain, and Education, 2020, 14, 220-234.	0.9	33
1309	Multiobjective optimization of deep neural networks with combinations of Lp-norm cost functions for 3D medical image super-resolution. Integrated Computer-Aided Engineering, 2020, 27, 233-251.	2.5	21
1310	The visual white matter connecting human area prostriata and the thalamus is retinotopically organized. Brain Structure and Function, 2020, 225, 1839-1853.	1.2	13
1311	Multimodal network dynamics underpinning working memory. Nature Communications, 2020, 11, 3035.	5.8	100

#	Article	IF	Citations
1312	Understanding brain organisation in the face of functional heterogeneity and functional multiplicity. NeuroImage, 2020, 220, 117061.	2.1	51
1313	Probing Tissue Microarchitecture of the Baby Brain via Spherical Mean Spectrum Imaging. IEEE Transactions on Medical Imaging, 2020, 39, 1-1.	5.4	12
1314	Personality and local brain structure: Their shared genetic basis and reproducibility. NeuroImage, 2020, 220, 117067.	2.1	24
1315	What Is the Test-Retest Reliability of Common Task-Functional MRI Measures? New Empirical Evidence and a Meta-Analysis. Psychological Science, 2020, 31, 792-806.	1.8	440
1316	Dynamics of Brain Activity Captured by Graph Signal Processing of Neuroimaging Data to Predict Human Behaviour. , 2020, , .		5
1317	Corticospinal Fibers With Different Origins Impact Motor Outcome and Brain After Subcortical Stroke. Stroke, 2020, 51, 2170-2178.	1.0	31
1318	Differences in the preferential location and invasiveness of diffuse lowâ€grade gliomas and their impact on outcome. Cancer Medicine, 2020, 9, 5446-5458.	1.3	10
1319	Influence of Processing Pipeline on Cortical Thickness Measurement. Cerebral Cortex, 2020, 30, 5014-5027.	1.6	41
1320	Spectral Characterization of Functional MRI Data on Voxel-Resolution Cortical Graphs. , 2020, , .		18
1321	Neuroimaging contrast across the cortical hierarchy is the feature maximally linked to behavior and demographics. NeuroImage, 2020, 215, 116853.	2.1	8
1322	Serum neurofilament light chain levels are associated with white matter integrity in autosomal dominant Alzheimer's disease. Neurobiology of Disease, 2020, 142, 104960.	2.1	31
1323	Asymmetric high-order anatomical brain connectivity sculpts effective connectivity. Network Neuroscience, 2020, 4, 871-890.	1.4	9
1324	An Experimental Investigation of White Matter Venous Hemodynamics: Basic Physiology and Disruption in Neuroinflammatory Disease. Frontiers in Neurology, 2020, 11, 476.	1.1	0
1325	Bootstrapping promotes the RSFCâ€behavior associations: An application of individual cognitive traits prediction. Human Brain Mapping, 2020, 41, 2302-2316.	1.9	14
1326	Specific and segregated changes to the functional connectome evoked by the processing of emotional faces: A task-based connectome study. Scientific Reports, 2020, 10, 4822.	1.6	10
1327	Toward a unified framework for interpreting machine-learning models in neuroimaging. Nature Protocols, 2020, 15, 1399-1435.	5.5	88
1328	Individual-Level Identification of Gene Expression Associated with Volume Differences among Neocortical Areas. Cerebral Cortex, 2020, 30, 3655-3666.	1.6	9
1329	Identifying brain network topology changes in task processes and psychiatric disorders. Network Neuroscience, 2020, 4, 257-273.	1.4	2

#	Article	IF	Citations
1330	Reducing the influence of intramodular connectivity in participation coefficient. Network Neuroscience, 2020, 4, 416-431.	1.4	27
1331	The human connectome project for disordered emotional states: Protocol and rationale for a research domain criteria study of brain connectivity in young adult anxiety and depression. NeuroImage, 2020, 214, 116715.	2.1	31
1332	A diffusionâ€based compensation approach for intensity inhomogeneity correction in MRI. International Journal of Imaging Systems and Technology, 2020, 30, 761-778.	2.7	1
1333	Principles of temporal association cortex organisation as revealed by connectivity gradients. Brain Structure and Function, 2020, 225, 1245-1260.	1.2	25
1334	Sex-specific association of poor sleep quality with gray matter volume. Sleep, 2020, 43, .	0.6	17
1335	The role of node dynamics in shaping emergent functional connectivity patterns in the brain. Network Neuroscience, 2020, 4, 467-483.	1.4	25
1336	CBPtools: a Python package for regional connectivity-based parcellation. Brain Structure and Function, 2020, 225, 1261-1275.	1.2	9
1337	Constructing and evaluating a cortical surface atlas and analyzing cortical sex differences in young Chinese adults. Human Brain Mapping, 2020, 41, 2495-2513.	1.9	18
1338	Resting-state â€œphysiological networksâ€• NeuroImage, 2020, 213, 116707.	2.1	111
1339	BrainSpace: a toolbox for the analysis of macroscale gradients in neuroimaging and connectomics datasets. Communications Biology, 2020, 3, 103.	2.0	285
1340	Network Centrality Reveals Dissociable Brain Activity during Response Inhibition in Human Right Ventral Part of Inferior Frontal Cortex. Neuroscience, 2020, 433, 163-173.	1.1	16
1341	Cortical 3-hinges could serve as hubs in cortico-cortical connective network. Brain Imaging and Behavior, 2020, 14, 2512-2529.	1.1	16
1342	Development of Brain Structural Networks Over Age 8: A Preliminary Study Based on Diffusion Weighted Imaging. Frontiers in Aging Neuroscience, 2020, 12, 61.	1.7	4
1343	CEREBRUM: a fast and fully-volumetric Convolutional Encoder-decodeR for weakly-supervised sEgmentation of BRain strUctures from out-of-the-scanner MRI. Medical Image Analysis, 2020, 62, 101688.	7.0	30
1344	Imaging local genetic influences on cortical folding. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7430-7436.	3.3	24
1345	Sleep and restingâ€state functional magnetic resonance imaging connectivity in middleâ€aged adults and the elderly: A populationâ€based study. Journal of Sleep Research, 2020, 29, e12999.	1.7	8
1346	Modernizing the Methods and Analytics Curricula for Health Science Doctoral Programs. Frontiers in Public Health, 2020, 8, 22.	1.3	6
1347	Role of massa intermedia in human neurocognitive processing. Brain Structure and Function, 2020, 225, 985-993.	1.2	13

#	Article	IF	Citations
1348	Educational attainment polygenic scores are associated with cortical total surface area and regions important for language and memory. NeuroImage, 2020, 212, 116691.	2.1	29
1349	MRI Restoration Using Edge-Guided Adversarial Learning. IEEE Access, 2020, 8, 83858-83870.	2.6	15
1350	An open database of resting-state fMRI in awake rats. NeuroImage, 2020, 220, 117094.	2.1	43
1351	Scalable surrogate deconvolution for identification of partially-observable systems and brain modeling. Journal of Neural Engineering, 2020, 17, 046025.	1.8	7
1352	Interpretable brain age prediction using linear latent variable models of functional connectivity. PLoS ONE, 2020, 15, e0232296.	1.1	16
1353	Understanding Graph Isomorphism Network for rs-fMRI Functional Connectivity Analysis. Frontiers in Neuroscience, 2020, 14, 630.	1.4	65
1354	Single-scale time-dependent window-sizes in sliding-window dynamic functional connectivity analysis: A validation study. NeuroImage, 2020, 220, 117111.	2.1	25
1355	Consensus Paper: Cerebellum and Social Cognition. Cerebellum, 2020, 19, 833-868.	1.4	205
1356	Estimation and validation of individualized dynamic brain models with resting state fMRI. NeuroImage, 2020, 221, 117046.	2.1	32
1357	Progesterone shapes medial temporal lobe volume across the human menstrual cycle. NeuroImage, 2020, 220, 117125.	2.1	45
1358	Amygdala Structural Connectivity Is Associated With Impulsive Choice and Difficulty Quitting Smoking. Frontiers in Behavioral Neuroscience, 2020, 14, 117.	1.0	4
1359	Data sharing and privacy issues in neuroimaging research: Opportunities, obstacles, challenges, and monsters under the bed. Human Brain Mapping, 2022, 43, 278-291.	1.9	70
1360	Heritability of cervical spinal cord structure. Neurology: Genetics, 2020, 6, e401.	0.9	7
1361	Resting State Functional Connectivity and Outcomes of Psychotherapies for Late-Life Depression. American Journal of Geriatric Psychiatry, 2020, 28, 859-868.	0.6	15
1362	A field-monitoring-based approach for correcting eddy-current-induced artifacts of up to the 2nd spatial order in human-connectome-project-style multiband diffusion MRI experiment at 7T: A pilot study. NeuroImage, 2020, 216, 116861.	2.1	13
1363	Compensatory Brain Connection Discovery in Alzheimer's Disease. , 2020, 2020, 283-287.		7
1364	Generative modeling of brain maps with spatial autocorrelation. NeuroImage, 2020, 220, 117038.	2.1	250
1365	Creation of a novel trigeminal tractography atlas for automated trigeminal nerve identification. NeuroImage, 2020, 220, 117063.	2.1	17

#	Article	IF	Citations
1366	Deep white matter analysis (DeepWMA): Fast and consistent tractography segmentation. Medical Image Analysis, 2020, 65, 101761.	7.0	57
1367	Denoise magnitude diffusion magnetic resonance images via variance-stabilizing transformation and optimal singular-value manipulation. NeuroImage, 2020, 215, 116852.	2.1	28
1368	Agglomerative Region-Based Analysis. , 2020, , .		0
1369	Estimating the heritability of psychological measures in the Human Connectome Project dataset. PLoS ONE, 2020, 15, e0235860.	1.1	13
1370	Functional connectome fingerprinting accuracy in youths and adults is similar when examined on the same day and 1.5â€yyears apart. Human Brain Mapping, 2020, 41, 4187-4199.	1.9	30
1371	Functional connectivity fingerprints of the human pulvinar: Decoding its role in cognition. NeuroImage, 2020, 221, 117162.	2.1	32
1372	Hubs of longâ€distance coâ€alteration characterize brain pathology. Human Brain Mapping, 2020, 41, 3878-3899.	1.9	14
1373	An Introduction to Human Brain Evolutionary Studies. , 2020, , 711-731.		0
1374	R-fMRI reconstruction from kâ€“t undersampled data using a subject-invariant dictionary model and VB-EM with nested minorization. Medical Image Analysis, 2020, 65, 101752.	7.0	3
1375	A unified connectomic target for deep brain stimulation in obsessive-compulsive disorder. Nature Communications, 2020, 11, 3364.	5.8	199
1376	The anterior and medial thalamic nuclei and the human limbic system: tracing the structural connectivity using diffusion-weighted imaging. Scientific Reports, 2020, 10, 10957.	1.6	49
1377	Improved Functional MRI Activation Mapping in White Matter Through Diffusion-Adapted Spatial Filtering. , 2020, , .		4
1378	Time course of neurological deficits after surgery for primary brain tumours. Acta Neurochirurgica, 2020, 162, 3005-3018.	0.9	24
1379	Sex classification using longâ€range temporal dependence of restingâ€state functional <scp>MRI</scp> time series. Human Brain Mapping, 2020, 41, 3567-3579.	1.9	21
1380	A Hybrid Volume-Surface-Wire Integral Equation for the Anisotropic Forward Problem in Electroencephalography. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 286-293.	2.3	5
1381	Structural optimality and neurogenetic expression mediate functional dynamics in the human brain. Human Brain Mapping, 2020, 41, 2229-2243.	1.9	12
1382	White matter dissection and structural connectivity of the human vertical occipital fasciculus to link vision-associated brain cortex. Scientific Reports, 2020, 10, 820.	1.6	30
1383	Minimal Relationship between Local Gyrification and General Cognitive Ability in Humans. Cerebral Cortex, 2020, 30, 3439-3450.	1.6	6

#	Article	IF	Citations
1384	Accelerating the Evolution of Nonhuman Primate Neuroimaging. Neuron, 2020, 105, 600-603.	3.8	92
1385	Pure Apraxia of Speech After Resection Based in the Posterior Middle Frontal Gyrus. Neurosurgery, 2020, 87, E383-E389.	0.6	28
1386	Modeling transcranial electrical stimulation in the aging brain. Brain Stimulation, 2020, 13, 664-674.	0.7	65
1387	Functional connectome-wide associations of schizophrenia polygenic risk. Molecular Psychiatry, 2021, 26, 2553-2561.	4.1	53
1388	Regional callosal integrity and bilaterality of limb weakness in amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2020, 21, 396-402.	1.1	13
1389	Optimising network modelling methods for fMRI. NeuroImage, 2020, 211, 116604.	2.1	166
1390	Towards deep learning for connectome mapping: A block decomposition framework. NeuroImage, 2020, 212, 116654.	2.1	9
1391	Space-independent community and hub structure of functional brain networks. NeuroImage, 2020, 211, 116612.	2.1	29
1392	Preparing Medical Imaging Data for Machine Learning. Radiology, 2020, 295, 4-15.	3.6	473
1393	Time of day is associated with paradoxical reductions in global signal fluctuation and functional connectivity. PLoS Biology, 2020, 18, e3000602.	2.6	85
1394	Identifying and removing widespread signal deflections from fMRI data: Rethinking the global signal regression problem. NeuroImage, 2020, 212, 116614.	2.1	95
1395	Hierarchical Organization of Functional Brain Networks Revealed by Hybrid Spatiotemporal Deep Learning. Brain Connectivity, 2020, 10, 72-82.	0.8	16
1396	The Organization of the Human Corpus Callosum Estimated by Intrinsic Functional Connectivity with White-Matter Functional Networks. Cerebral Cortex, 2020, 30, 3313-3324.	1.6	34
1397	Network architectures supporting learnability. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190323.	1.8	18
1398	Time-resolved effective connectivity in task fMRI: Psychophysiological interactions of Co-Activation patterns. NeuroImage, 2020, 212, 116635.	2.1	13
1399	Selfâ€navigation for 3D multishot EPI with dataâ€reference. Magnetic Resonance in Medicine, 2020, 84, 1747-1762.	1.9	16
1400	BNST-insula structural connectivity in humans. NeuroImage, 2020, 210, 116555.	2.1	26
1401	The empirical replicability of task-based fMRI as a function of sample size. NeuroImage, 2020, 212, 116601.	2.1	54

#	Article	IF	Citations
1402	Morphometric network differences in ageing versus Alzheimerâ€™s disease dementia. Brain, 2020, 143, 635-649.	3.7	37
1403	Visual Organization of the Default Network. Cerebral Cortex, 2020, 30, 3518-3527.	1.6	29
1404	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. Frontiers in Neuroinformatics, 2019, 13, 78.	1.3	78
1405	The noise-resilient brain: Resting-state oscillatory activity predicts words-in-noise recognition. Brain and Language, 2020, 202, 104727.	0.8	4
1406	Brain functional connectome-based prediction of individual decision impulsivity. Cortex, 2020, 125, 288-298.	1.1	27
1407	TbCAPs: A toolbox for co-activation pattern analysis. NeuroImage, 2020, 211, 116621.	2.1	36
1408	Dissociated neuronal phase- and amplitude-coupling patterns in the human brain. NeuroImage, 2020, 209, 116538.	2.1	79
1409	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
1410	An improved deep network for tissue microstructure estimation with uncertainty quantification. Medical Image Analysis, 2020, 61, 101650.	7.0	22
1411	Functional Connectivity Fingerprints at Rest Are Similar across Youths and Adults and Vary with Genetic Similarity. IScience, 2020, 23, 100801.	1.9	31
1412	Multimodal mapping of the face connectome. Nature Human Behaviour, 2020, 4, 397-411.	6.2	53
1413	Exploring the Correlation Between M/EEG Sourceâ€“Space and fMRI Networks at Rest. Brain Topography, 2020, 33, 151-160.	0.8	22
1414	Novel Regional Activity Representation With Constrained Canonical Correlation Analysis for Brain Connectivity Network Estimation. IEEE Transactions on Medical Imaging, 2020, 39, 2363-2373.	5.4	6
1415	Revealing Relationships Among Cognitive Functions Using Functional Connectivity and a Large-Scale Meta-Analysis Database. Frontiers in Human Neuroscience, 2019, 13, 457.	1.0	7
1416	Anatomical assessment of trigeminal nerve tractography using diffusion MRI: A comparison of acquisition b-values and single- and multi-fiber tracking strategies. NeuroImage: Clinical, 2020, 25, 102160.	1.4	25
1417	Examining the variability in network populations and its role in generative models. Network Science, 2020, 8, S43-S64.	0.8	1
1418	Types and sources of medical and other related data. , 2020, , 19-65.		6
1419	The Musical Structure of Time in the Brain: Repetition, Rhythm, and Harmony in fMRI During Rest and Passive Movie Viewing. Frontiers in Computational Neuroscience, 2019, 13, 98.	1.2	3

#	Article	IF	Citations
1420	Bridging global and local topology in whole-brain networks using the network statistic jackknife. Network Neuroscience, 2020, 4, 70-88.	1.4	4
1421	A comparison of automated and manual co-registration for magnetoencephalography. PLoS ONE, 2020, 15, e0232100.	1.1	5
1422	Asymmetric fiber trajectory distribution estimation using streamline differential equation. Medical Image Analysis, 2020, 63, 101686.	7.0	7
1423	A hybrid convolutional neural network for superâ€resolution reconstruction of MR images. Medical Physics, 2020, 47, 3013-3022.	1.6	15
1424	Spatial organization of occipital white matter tracts in the common marmoset. Brain Structure and Function, 2020, 225, 1313-1326.	1.2	14
1425	Evidence for Hierarchical Cognitive Control in the Human Cerebellum. Current Biology, 2020, 30, 1881-1892.e3.	1.8	52
1426	Finding the needle in a high-dimensional haystack: Canonical correlation analysis for neuroscientists. NeuroImage, 2020, 216, 116745.	2.1	163
1427	The interrelation of sleep and mental and physical health is anchored in grey-matter neuroanatomy and under genetic control. Communications Biology, 2020, 3, 171.	2.0	24
1428	Optimizing Connectivity-Driven Brain Parcellation Using Ensemble Clustering. Brain Connectivity, 2020, 10, 183-194.	0.8	1
1429	Analysing brain networks in population neuroscience: a case for the Bayesian philosophy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190661.	1.8	27
1430	Supervised Brain Network Learning Based on Deep Recurrent Neural Networks. IEEE Access, 2020, 8, 69967-69978.	2.6	3
1431	Cortical source localization of sleep-stage specific oscillatory activity. Scientific Reports, 2020, 10, 6976.	1.6	28
1432	Ghost Attractors in Spontaneous Brain Activity: Recurrent Excursions Into Functionally-Relevant BOLD Phase-Locking States. Frontiers in Systems Neuroscience, 2020, 14, 20.	1.2	75
1433	The Topography of Striatal Dopamine and Symptoms in Psychosis: An Integrative Positron Emission Tomography and Magnetic Resonance Imaging Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 1040-1051.	1.1	11
1434	Mapping functional brain networks from the structural connectome: Relating the series expansion and eigenmode approaches. NeuroImage, 2020, 216, 116805.	2.1	40
1435	Robust prediction of individual personality from brain functional connectome. Social Cognitive and Affective Neuroscience, 2020, 15, 359-369.	1.5	45
1436	Current methods and new directions in resting state fMRI. Clinical Imaging, 2020, 65, 47-53.	0.8	52
1437	Linking Personality Traits to Individual Differences in Affective Spaces. Frontiers in Psychology, 2020, 11, 448.	1.1	7

#	Article	IF	Citations
1438	Metastable neural dynamics underlies cognitive performance across multiple behavioural paradigms. Human Brain Mapping, 2020, 41, 3212-3234.	1.9	28
1439	MRI-based biomarkers of accelerated aging and dementia risk in midlife: how close are we?. Ageing Research Reviews, 2020, 61, 101075.	5.0	24
1440	Myeloarchitecture gradients in the human insula: Histological underpinnings and association to intrinsic functional connectivity. NeuroImage, 2020, 216, 116859.	2.1	51
1441	Toward Community-Driven Big Open Brain Science: Open Big Data and Tools for Structure, Function, and Genetics. Annual Review of Neuroscience, 2020, 43, 441-464.	5.0	12
1442	Intrinsic functional architecture of the human speech processing network. Cortex, 2020, 129, 41-56.	1.1	10
1443	Idiosynchrony: From shared responses to individual differences during naturalistic neuroimaging. NeuroImage, 2020, 215, 116828.	2.1	162
1444	Uncovering differential identifiability in network properties of human brain functional connectomes. Network Neuroscience, 2020, 4, 698-713.	1.4	15
1445	Towards individualized cortical thickness assessment for clinical routine. Journal of Translational Medicine, 2020, 18, 151.	1.8	9
1446	Insight into the fundamental trade-offs of diffusion MRI from polarization-sensitive optical coherence tomography in ex vivo human brain. NeuroImage, 2020, 214, 116704.	2.1	42
1447	Region-specific sex differences in the hippocampus. NeuroImage, 2020, 215, 116781.	2.1	45
1448	Combining Multiple Functional Connectivity Methods to Improve Causal Inferences. Journal of Cognitive Neuroscience, 2021, 33, 180-194.	1.1	32
1449	Diffusion Imaging in the Post HCP Era. Journal of Magnetic Resonance Imaging, 2021, 54, 36-57.	1.9	22
1450	Mapping Structural Connectivity Using Diffusion <scp>MRI</scp>: Challenges and Opportunities. Journal of Magnetic Resonance Imaging, 2021, 53, 1666-1682.	1.9	95
1451	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
1452	Recent cannabis use is associated with smaller hippocampus volume: Highâ€resolution segmentation of structural subfields in a large nonâ€clinical sample. Addiction Biology, 2021, 26, e12874.	1.4	7
1453	ACE of space: estimating genetic components of high-dimensional imaging data. Biostatistics, 2021, 22, 131-147.	0.9	8
1454	Graph convolutional network for fMRI analysis based on connectivity neighborhood. Network Neuroscience, 2021, 5, 83-95.	1.4	39
1455	Analysis of population functional connectivity data via multilayer network embeddings. Network Science, 2021, 9, 99-122.	0.8	5

#	Article	IF	Citations
1456	Replicable effects of deep brain stimulation for obsessive-compulsive disorder. Brain Stimulation, 2021, 14, 1-3.	0.7	24
1457	Mapping the rest of the human connectome: Atlasing the spinal cord and peripheral nervous system. NeuroImage, 2021, 225, 117478.	2.1	5
1458	Measurement reliability for individual differences in multilayer network dynamics: Cautions and considerations. NeuroImage, 2021, 225, 117489.	2.1	24
1459	Sleep quality relates to emotional reactivity via intracortical myelination. Sleep, 2021, 44, .	0.6	22
1460	Evolution of Human Brain Atlases in Terms of Content, Applications, Functionality, and Availability. Neuroinformatics, 2021, 19, 1-22.	1.5	23
1461	Laterality 2020: entering the next decade. Laterality, 2021, 26, 265-297.	0.5	48
1462	The effects of cognitive behavioral therapy on the whole brain structural connectome in unmedicated patients with obsessive-compulsive disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 104, 110037.	2.5	15
1463	Brain and Human Body Modeling 2020. , 2021, , .		11
1464	Predicting Biological Gender and Intelligence From fMRI via Dynamic Functional Connectivity. IEEE Transactions on Biomedical Engineering, 2021, 68, 815-825.	2.5	18
1465	Normative vs. patient-specific brain connectivity in deep brain stimulation. NeuroImage, 2021, 224, 117307.	2.1	79
1466	Uncertainty modelling in deep learning for safer neuroimage enhancement: Demonstration in diffusion MRI. NeuroImage, 2021, 225, 117366.	2.1	59
1467	Detecting brain network communities: Considering the role of information flow and its different temporal scales. NeuroImage, 2021, 225, 117431.	2.1	11
1468	Classifyber, a robust streamline-based linear classifier for white matter bundle segmentation. NeuroImage, 2021, 224, 117402.	2.1	26
1469	Detect and correct bias in multi-site neuroimaging datasets. Medical Image Analysis, 2021, 67, 101879.	7.0	62
1470	Regionconnect: Rapidly extracting standardized brain connectivity information in voxel-wise neuroimaging studies. NeuroImage, 2021, 225, 117462.	2.1	22
1471	The scientific body of knowledge â€“ Whose body does it serve? A spotlight on oral contraceptives and womenâ€™s health factors in neuroimaging. Frontiers in Neuroendocrinology, 2021, 60, 100874.	2.5	51
1472	Hippocampal subfield volumetry from structural isotropic 1â€‰mm³<scp>MRI</scp> scans: A note of caution. Human Brain Mapping, 2021, 42, 539-550.	1.9	84
1473	Resting-State Directional Connectivity and Anxiety and Depression Symptoms in Adult Cannabis Users. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 545-555.	1.1	8

#	Article	IF	Citations
1474	Evidence for the role of the dorsal ventral lateral posterior thalamic nucleus connectivity in deep brain stimulation for Gilles de la Tourette syndrome. Journal of Psychiatric Research, 2021, 132, 60-64.	1.5	7
1475	Signal diffusion along connectome gradients and inter-hub routing differentially contribute to dynamic human brain function. NeuroImage, 2021, 224, 117429.	2.1	54
1476	Distinct regions of the striatum underlying effort, movement initiation and effort discounting. Nature Human Behaviour, 2021, 5, 378-388.	6.2	23
1477	Impact of concatenating fMRI data on reliability for functional connectomics. NeuroImage, 2021, 226, 117549.	2.1	42
1478	Associations Between Delay Discounting and Connectivity of the Valuation-control System in Healthy Young Adults. Neuroscience, 2021, 452, 295-310.	1.1	6
1479	Connectome biomarkers of drugâ€resistant epilepsy. Epilepsia, 2021, 62, 6-24.	2.6	48
1480	Delay discounting, cognitive ability, and personality: What matters?. Psychonomic Bulletin and Review, 2021, 28, 686-694.	1.4	15
1481	Structure-function coupling in the human connectome: A machine learning approach. NeuroImage, 2021, 226, 117609.	2.1	69
1482	Freeâ€water DTI estimates from single bâ€value data might seem plausible but must be interpreted with care. Magnetic Resonance in Medicine, 2021, 85, 2537-2551.	1.9	30
1483	Effective connectivity between bed nucleus of the stria terminalis and amygdala: Reproducibility and relation to anxiety. Human Brain Mapping, 2021, 42, 824-836.	1.9	7
1484	Test-time adaptable neural networks for robust medical image segmentation. Medical Image Analysis, 2021, 68, 101907.	7.0	76
1485	Influence of sample size and analytic approach on stability and interpretation of brainâ€behavior correlations in taskâ€related <scp>fMRI</scp> data. Human Brain Mapping, 2021, 42, 204-219.	1.9	93
1486	U-shape short-range extrinsic connectivity organisation around the human central sulcus. Brain Structure and Function, 2021, 226, 179-193.	1.2	12
1487	Super-Resolved <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mi>q</mml:mi></mml:math>-Space deep learning with uncertainty quantification. Medical Image Analysis, 2021, 67, 101885.	7.0	27
1488	Multimodal hippocampal and amygdala subfield volumetry in polygenic risk for Alzheimer's disease. Neurobiology of Aging, 2021, 98, 33-41.	1.5	12
1489	Characterisation of white matter asymmetries in the healthy human brain using diffusion MRI fixel-based analysis. NeuroImage, 2021, 225, 117505.	2.1	21
1490	Learning Clique Subgraphs in Structural Brain Network Classification with Application to Crystallized Cognition. NeuroImage, 2021, 225, 117493.	2.1	10
1491	Use of random matrix theory in the discovery of resting state brain networks. Magnetic Resonance Imaging, 2021, 77, 69-87.	1.0	1

#	Article	IF	Citations
1492	A hitchhikerâ€™s guide to working with large, open-source neuroimaging datasets. Nature Human Behaviour, 2021, 5, 185-193.	6.2	33
1493	The detailed organization of the human cerebellum estimated by intrinsic functional connectivity within the individual. Journal of Neurophysiology, 2021, 125, 358-384.	0.9	70
1494	Transdiagnostic, Connectome-Based Prediction of Memory Constructs Across Psychiatric Disorders. Cerebral Cortex, 2021, 31, 2523-2533.	1.6	38
1495	Is it time to switch your T1W sequence? Assessing the impact of prospective motion correction on the reliability and quality of structural imaging. NeuroImage, 2021, 226, 117585.	2.1	16
1496	Brain parcellation driven by dynamic functional connectivity better capture intrinsic network dynamics. Human Brain Mapping, 2021, 42, 1416-1433.	1.9	17
1497	Entrack: Probabilistic Spherical Regression with Entropy Regularization for Fiber Tractography. International Journal of Computer Vision, 2021, 129, 656-680.	10.9	8
1498	Reconstruction of respiratory variation signals from fMRI data. NeuroImage, 2021, 225, 117459.	2.1	15
1499	Connectome-based evidence for creative thinking as an emergent property of ordinary cognitive operations. NeuroImage, 2021, 227, 117632.	2.1	18
1500	Modeling neural and self-reported factors of affective distress in the relationship between pain and working memory in healthy individuals. Neuropsychologia, 2021, 153, 107766.	0.7	2
1501	The effect of gradient nonlinearities on fiber orientation estimates from spherical deconvolution of diffusion magnetic resonance imaging data. Human Brain Mapping, 2021, 42, 367-383.	1.9	13
1502	Differential spatial patterns of structural connectivity of amygdala nuclei with orbitofrontal cortex. Human Brain Mapping, 2021, 42, 1391-1405.	1.9	10
1503	Les trois cultures de la psychiatrie computationnelle. Annales Medico-Psychologiques, 2021, 179, 63-71.	0.2	5
1504	Whole-brain estimates of directed connectivity for human connectomics. NeuroImage, 2021, 225, 117491.	2.1	20
1505	Combining network topology and information theory to construct representative brain networks. Network Neuroscience, 2021, 5, 96-124.	1.4	52
1506	pymia: A Python package for data handling and evaluation in deep learning-based medical image analysis. Computer Methods and Programs in Biomedicine, 2021, 198, 105796.	2.6	25
1507	An anatomically detailed and personalizable head injury model: Significance of brain and white matter tract morphological variability on strain. Biomechanics and Modeling in Mechanobiology, 2021, 20, 403-431.	1.4	69
1508	Chemical shiftâ€“based prospective kâ€space anonymization. Magnetic Resonance in Medicine, 2021, 85, 962-969.	1.9	2
1509	An MRI-Based, Data-Driven Model of Cortical Laminar Connectivity. Neuroinformatics, 2021, 19, 205-218.	1.5	12

#	Article	IF	Citations
1510	Two Neural Networks for Laughter: A Tractography Study. Cerebral Cortex, 2021, 31, 899-916.	1.6	23
1511	Variation of HbA1c affects cognition and white matter microstructure in healthy, young adults. Molecular Psychiatry, 2021, 26, 1399-1408.	4.1	27
1512	Shared alterations in resting-state brain connectivity in adults with attention-deficit/hyperactivity disorder and their unaffected first-degree relatives. Psychological Medicine, 2021, 51, 329-339.	2.7	4
1513	Estimating relevant labels Jointly based on multivariate regression. , 2021, , .		0
1514	Direct Structural Connections between Auditory and Visual Motion-Selective Regions in Humans. Journal of Neuroscience, 2021, 41, 2393-2405.	1.7	19
1515	Linking Brain Biology to Intellectual Endowment: A Review on the Associations of Human Intelligence With Neuroimaging Data. Basic and Clinical Neuroscience, 2021, 12, 1-28.	0.3	11
1516	Diffusion properties of the fornix assessed by deterministic tractography shows age, sex, volume, cognitive, hemispheric, and twin relationships in young adults from the Human Connectome Project. Brain Structure and Function, 2021, 226, 381-395.	1.2	8
1518	Investigating the neural substrates of Antagonistic Externalizing and social-cognitive Theory of Mind: an fMRI examination of functional activity and synchrony. Personality Neuroscience, 2021, 4, e1.	1.3	3
1519	Autoencoder-based Quality Assessment for Synthetic Diffusion-MRI Data. Informatik Aktuell, 2021, , 338-343.	0.4	1
1520	Dynamic expression of brain functional systems disclosed by fine-scale analysis of edge time series. Network Neuroscience, 2021, 5, 405-433.	1.4	54
1522	Q-space Conditioned Translation Networks for Directional Synthesis of Diffusion Weighted Images from Multi-modal Structural MRI. Lecture Notes in Computer Science, 2021, , 530-540.	1.0	2
1524	Understanding the impact of preprocessing pipelines on neuroimaging cortical surface analyses. GigaScience, 2021, 10, .	3.3	32
1525	Fast Tractography Streamline Search. Lecture Notes in Computer Science, 2021, , 82-95.	1.0	1
1526	Recent Advances and Future Directions in Brain MR Imaging Studies in Schizophrenia: Toward Elucidating Brain Pathology and Developing Clinical Tools. Magnetic Resonance in Medical Sciences, 2022, 21, 539-552.	1.1	4
1527	Boost in Testâ€“Retest Reliability in Resting State fMRI with Predictive Modeling. Cerebral Cortex, 2021, 31, 2822-2833.	1.6	40
1528	Accurate Simulation of Operating System Updates in Neuroimaging Using Monte-Carlo Arithmetic. Lecture Notes in Computer Science, 2021, , 14-23.	1.0	1
1530	Diffusion MRI Fiber Orientation Distribution Function Estimation Using Voxel-Wise Spherical U-Net. Mathematics and Visualization, 2021, , 95-106.	0.4	8
1531	Variability of white matter anatomy in the subcallosal cingulate area. Human Brain Mapping, 2021, 42, 2005-2017.	1.9	18

#	Article	IF	Citations
1532	Brain anatomical covariation patterns linked to binge drinking and age at first full drink. NeuroImage: Clinical, 2021, 29, 102529.	1.4	10
1535	Role of axonal fibers in the cortical folding patterns: A tale of variability and regularity. Brain Multiphysics, 2021, 2, 100029.	0.8	20
1536	Structural connectivity of the human massa intermedia: A probabilistic tractography study. Human Brain Mapping, 2021, 42, 1794-1804.	1.9	6
1537	Predicted disconnectome associated with progressive periventricular white matter ischemia. Cerebral Circulation - Cognition and Behavior, 2021, 2, 100022.	0.4	4
1538	Stroke-related alterations in inter-areal communication. NeuroImage: Clinical, 2021, 32, 102812.	1.4	8
1540	Blind Primed Supervised (BLIPS) Learning for MR Image Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 3113-3124.	5.4	2
1542	Gray matter abnormalities follow non-random patterns of co-alteration in autism: Meta-connectomic evidence. NeuroImage: Clinical, 2021, 30, 102583.	1.4	15
1543	Improved Brain Lesion Segmentation with Anatomical Priors from Healthy Subjects. Lecture Notes in Computer Science, 2021, , 186-195.	1.0	0
1544	Data-Driven Mapping Between Functional Connectomes Using Optimal Transport. Lecture Notes in Computer Science, 2021, , 293-302.	1.0	4
1545	Deep Fiber Clustering: Anatomically Informed Unsupervised Deep Learning for Fast and Effective White Matter Parcellation. Lecture Notes in Computer Science, 2021, , 497-507.	1.0	9
1547	A Whole-Cortex Probabilistic Diffusion Tractography Connectome. ENeuro, 2021, 8, ENEURO.0416-20.2020.	0.9	43
1549	Brain Activity in Resting-State Predicts Brain Activity in Task Execution. Advances in Psychology, 2021, 11, 184-193.	0.0	0
1550	Classification and feature analysis of the Human Connectome Project dataset for differentiating between males and females. Automatika, 2021, 62, 109-117.	1.2	1
1551	In defense of decentralized research data management. Neuroforum, 2021, .	0.2	14
1552	Normalized Connectomes Show Increased Synchronizability with Age through Their Second Largest Eigenvalue. SIAM Journal on Applied Dynamical Systems, 2021, 20, 1158-1176.	0.7	4
1553	Administration of Mega and Open Universities With Technological Singularity Beyond Master-Human. , 2021, , 537-544.		0
1554	Parcellation-induced variation of empirical and simulated brain connectomes at group and subject levels. Network Neuroscience, 2021, 5, 798-830.	1.4	23
1555	A morphospace of functional configuration to assess configural breadth based on brain functional networks. Network Neuroscience, 2021, 5, 666-688.	1.4	5

#	Article	IF	Citations
1556	A Matrix Autoencoder Framework to Align the Functional and Structural Connectivity Manifolds as Guided by Behavioral Phenotypes. Lecture Notes in Computer Science, 2021, , 625-636.	1.0	5
1557	Multi-head GAGNN: A Multi-head Guided Attention Graph Neural Network for Modeling Spatio-temporal Patterns of Holistic Brain Functional Networks. Lecture Notes in Computer Science, 2021, , 564-573.	1.0	2
1558	Equivariant Filters for Efficient Tracking in 3D Imaging. Lecture Notes in Computer Science, 2021, , 193-202.	1.0	1
1559	An Image-Enhanced Topic Modeling Method for Neuroimaging Literature. Lecture Notes in Computer Science, 2021, , 299-309.	1.0	0
1560	Manifold-Aware CycleGAN for High-Resolution Structural-to-DTI Synthesis. Mathematics and Visualization, 2021, , 213-224.	0.4	6
1562	In Vivo Super-Resolution Track-Density Imaging for Thalamic Nuclei Identification. Cerebral Cortex, 2021, 31, 5613-5636.	1.6	12
1563	Inferring the heritability of large-scale functional networks with a multivariate ACE modeling approach. Network Neuroscience, 2021, 5, 527-548.	1.4	0
1564	DREAM. Neuroinformatics, 2021, 19, 529-545.	1.5	19
1565	Post-Traumatic Stress Disorder Is Associated with Neuropsychological Outcome but Not White Matter Integrity after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 63-73.	1.7	10
1566	Integrated and segregated frequency architecture of the human brain network. Brain Structure and Function, 2021, 226, 335-350.	1.2	5
1567	When your brain looks older than expected: combined lifestyle risk and BrainAGE. Brain Structure and Function, 2021, 226, 621-645.	1.2	47
1568	Knowledge Transfer for Few-Shot Segmentation of Novel White Matter Tracts. Lecture Notes in Computer Science, 2021, , 216-227.	1.0	3
1569	A Multi-scale Spatial and Temporal Attention Network on Dynamic Connectivity to Localize the Eloquent Cortex in Brain Tumor Patients. Lecture Notes in Computer Science, 2021, , 241-252.	1.0	2
1570	Geometric Deep Learning of the Human Connectome Project Multimodal Cortical Parcellation. Lecture Notes in Computer Science, 2021, , 103-112.	1.0	3
1571	Accelerating Geometry-Based Spherical Harmonics Glyphs Rendering for dMRI Using Modern OpenGL. Lecture Notes in Computer Science, 2021, , 144-155.	1.0	1
1572	Generalised Super Resolution for Quantitative MRI Using Self-supervised Mixture of Experts. Lecture Notes in Computer Science, 2021, , 44-54.	1.0	2
1573	Differential contributions of static and time-varying functional connectivity to human behavior. Network Neuroscience, 2021, 5, 145-165.	1.4	24
1574	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

#	Article	IF	Citations
1575	Predicting MEG resting-state functional connectivity from microstructural information. Network Neuroscience, 2021, 5, 477-504.	1.4	20
1577	Revisiting the global workspace orchestrating the hierarchical organization of the human brain. Nature Human Behaviour, 2021, 5, 497-511.	6.2	61
1578	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
1579	The Human Brain Is Best Described as Being on a Female/Male Continuum: Evidence from a Neuroimaging Connectivity Study. Cerebral Cortex, 2021, 31, 3021-3033.	1.6	18
1580	White matter integrity in young medication-naÃ¯ve bipolar II depressed adults. Scientific Reports, 2021, 11, 1816.	1.6	2
1583	Human Connectome Project: heritability of brain volumes in young healthy adults. Experimental Brain Research, 2021, 239, 1273-1286.	0.7	4
1584	Collegiate athlete brain data for white matter mapping and network neuroscience. Scientific Data, 2021, 8, 56.	2.4	4
1586	Magnetic Resonance Imaging of Marmoset Monkeys. ILAR Journal, 2020, 61, 274-285.	1.8	8
1588	Dissociating harmonic and non-harmonic phase-amplitude coupling in the human brain. NeuroImage, 2021, 227, 117648.	2.1	21
1589	Structural and functional connectivity mapping of the human corpus callosum organization with white-matter functional networks. NeuroImage, 2021, 227, 117642.	2.1	26
1590	Heritability of individualized cortical network topography. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	59
1592	Co-activation patterns across multiple tasks reveal robust anti-correlated functional networks. NeuroImage, 2021, 227, 117680.	2.1	25
1594	Hormone seasonality in medical records suggests circannual endocrine circuits. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	55
1596	Quantitative assessment of inter-individual variability in fMRI-based human brain atlas. Quantitative Imaging in Medicine and Surgery, 2021, 11, 810-822.	1.1	2
1597	Amygdala Activation in Cognitive Task fMRI Varies with Individual Differences in Cognitive Traits. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 254-264.	1.0	9
1598	The Functional Relevance of Task-State Functional Connectivity. Journal of Neuroscience, 2021, 41, 2684-2702.	1.7	67
1599	Heterogeneity of Cerebral White Matter Lesions and Clinical Correlates in Older Adults. Stroke, 2021, 52, 620-630.	1.0	14
1600	Crossedâ€“uncrossed projections from primate retina are adapted to disparities of natural scenes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14

#	Article	IF	Citations
1602	Jumping over baselines with new methods to predict activation maps from resting-state fMRI. Scientific Reports, 2021, 11, 3480.	1.6	2
1603	Stability test of canonical correlation analysis for studying brainâ€behavior relationships: The effects of subjectâ€toâ€variable ratios and correlation strengths. Human Brain Mapping, 2021, 42, 2374-2392.	1.9	8
1605	Multisite Comparison of MRI Defacing Software Across Multiple Cohorts. Frontiers in Psychiatry, 2021, 12, 617997.	1.3	32
1606	Regression dynamic causal modeling for restingâ€state fMRI. Human Brain Mapping, 2021, 42, 2159-2180.	1.9	52
1607	On statistical tests of functional connectome fingerprinting. Canadian Journal of Statistics, 2021, 49, 63-88.	0.6	8
1608	Sex-specific differences in the association between body mass index and brain aging in young adults: Findings from the human connectome project. Psychoneuroendocrinology, 2021, 124, 105059.	1.3	8
1611	Efficient and accurate EAP imaging from multi-shell dMRI with micro-structure adaptive convolution kernels and dual Fourier Integral Transforms (MiSFIT). NeuroImage, 2021, 227, 117616.	2.1	12
1613	Redundancy circuits of the commissural pathways in human and rhesus macaque brains. Human Brain Mapping, 2021, 42, 2250-2261.	1.9	10
1614	Brain network dynamics fingerprints are resilient to data heterogeneity. Journal of Neural Engineering, 2021, 18, 026004.	1.8	5
1615	Effective Connectivity Extracted from Resting-State fMRI Images Using Transfer Entropy. Irbm, 2021, 42, 457-465.	3.7	5
1616	Robust brain network identification from multi-subject asynchronous fMRI data. NeuroImage, 2021, 227, 117615.	2.1	7
1618	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
1619	Fractional anisotropy from diffusion tensor imaging correlates with acute astrocyte and myelin swelling in neonatal swine models of excitotoxic and hypoxicâ€ischemic brain injury. Journal of Comparative Neurology, 2021, 529, 2750-2770.	0.9	10
1620	Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. Science China Life Sciences, 2021, 64, 1392-1422.	2.3	21
1622	Family history of depression is associated with alterations in taskâ€dependent connectivity between the cerebellum and ventromedial prefrontal cortex. Depression and Anxiety, 2021, 38, 508-520.	2.0	12
1624	Temporal hierarchy of intrinsic neural timescales converges with spatial core-periphery organization. Communications Biology, 2021, 4, 277.	2.0	50
1625	Mapping gene transcription and neurocognition across human neocortex. Nature Human Behaviour, 2021, 5, 1240-1250.	6.2	86
1626	Association Between Genetic Risk for Type 2 Diabetes and Structural Brain Connectivity in Major Depressive Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 333-340.	1.1	4

#	Article	IF	Citations
1629	Task-induced activation transmitted by structural connectivity is associated with behavioral performance. Brain Structure and Function, 2021, 226, 1437-1452.	1.2	3
1630	Hierarchical Microstructure Informed Tractography. Brain Connectivity, 2021, 11, 75-88.	0.8	13
1631	Sex differences in functional network dynamics observed using coactivation pattern analysis. Cognitive Neuroscience, 2021, 12, 120-130.	0.6	10
1633	Evaluating phase synchronization methods in fMRI: A comparison study and new approaches. NeuroImage, 2021, 228, 117704.	2.1	21
1634	Data preparation for artificial intelligence in medical imaging: A comprehensive guide to open-access platforms and tools. Physica Medica, 2021, 83, 25-37.	0.4	63
1635	Multiple b-values improve discrimination of cortical gray matter regions using diffusion MRI: an experimental validation with a data-driven approach. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 677-687.	1.1	2
1636	Consistency of independent component analysis for FMRI. Journal of Neuroscience Methods, 2021, 351, 109013.	1.3	2
1637	Correcting Susceptibility Artifacts of MRI Sensors in Brain Scanning: A 3D Anatomy-Guided Deep Learning Approach. Sensors, 2021, 21, 2314.	2.1	2
1638	Quantity and quality: Normative open-access neuroimaging databases. PLoS ONE, 2021, 16, e0248341.	1.1	3
1640	Unique scales preserve self-similar integrate-and-fire functionality of neuronal clusters. Scientific Reports, 2021, 11, 5331.	1.6	0
1641	The neural basis of intelligence in fine-grained cortical topographies. ELife, 2021, 10, .	2.8	41
1643	The Amsterdam Open MRI Collection, a set of multimodal MRI datasets for individual difference analyses. Scientific Data, 2021, 8, 85.	2.4	63
1644	Fundamental functional differences between gyri and sulci: implications for brain function, cognition, and behavior. Psychoradiology, 2021, 1, 23-41.	1.0	33
1645	Cortical responses to noninvasive perturbations enable individual brain fingerprinting. Brain Stimulation, 2021, 14, 391-403.	0.7	35
1647	Hierarchical Extraction of Functional Connectivity Components in Human Brain Using Resting-State fMRI. IEEE Transactions on Medical Imaging, 2021, 40, 940-950.	5.4	10
1648	Functional network estimation using multigraph learning with application to brain maturation study. Human Brain Mapping, 2021, 42, 2880-2892.	1.9	3
1651	Blood pressureâ€related differences in brain health between young African Americans and Caucasian Americans. Physiological Reports, 2021, 9, e14819.	0.7	1
1653	Synthesis of brain tumor multicontrast MR images for improved data augmentation. Medical Physics, 2021, 48, 2185-2198.	1.6	13

#	Article	IF	Citations
1654	Machine learning in Magnetic Resonance Imaging: Image reconstruction. Physica Medica, 2021, 83, 79-87.	0.4	29
1655	An integrated multimodal model of alcohol use disorder generated by data-driven causal discovery analysis. Communications Biology, 2021, 4, 435.	2.0	20
1656	Data-driven control of complex networks. Nature Communications, 2021, 12, 1429.	5.8	72
1657	Bi-Temporal Anodal Transcranial Direct Current Stimulation during Slow-Wave Sleep Boosts Slow-Wave Density but Not Memory Consolidation. Brain Sciences, 2021, 11, 410.	1.1	5
1660	Statistical Connectomics. Annual Review of Statistics and Its Application, 2021, 8, 463-492.	4.1	18
1663	A Machine Learning Enhanced Mechanistic Simulation Framework for Functional Deficit Prediction in TBI. Frontiers in Bioengineering and Biotechnology, 2021, 9, 587082.	2.0	6
1664	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
1665	Integrating across neuroimaging modalities boosts prediction accuracy of cognitive ability. PLoS Computational Biology, 2021, 17, e1008347.	1.5	36
1666	Deep-Learning-Based Multivariate Pattern Analysis (dMVPA): A Tutorial and a Toolbox. Frontiers in Human Neuroscience, 2021, 15, 638052.	1.0	8
1667	A randomised, double-blind, sham-controlled trial of deep brain stimulation of the bed nucleus of the stria terminalis for treatment-resistant obsessive-compulsive disorder. Translational Psychiatry, 2021, 11, 190.	2.4	55
1671	FiberStars: Visual Comparison of Diffusion Tractography Data between Multiple Subjects. , 2021, , .		3
1673	Toward more robust and reproducible diffusion kurtosis imaging. Magnetic Resonance in Medicine, 2021, 86, 1600-1613.	1.9	25
1674	Learning dynamic graph embeddings for accurate detection of cognitive state changes in functional brain networks. NeuroImage, 2021, 230, 117791.	2.1	9
1675	Functional connectome fingerprinting using shallow feedforward neural networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
1676	A Connectivity-Based Psychometric Prediction Framework for Brainâ€“Behavior Relationship Studies. Cerebral Cortex, 2021, 31, 3732-3751.	1.6	11
1677	Functional connectome fingerprinting: Identifying individuals and predicting cognitive functions via autoencoder. Human Brain Mapping, 2021, 42, 2691-2705.	1.9	23
1678	A fully segmented 3D anatomical atlas of a lizard brain. Brain Structure and Function, 2021, 226, 1727-1741.	1.2	5
1679	Virtual brain grafting: Enabling whole brain parcellation in the presence of large lesions. NeuroImage, 2021, 229, 117731.	2.1	33

#	Article	IF	Citations
1680	Corpus callosum dysgenesis causes novel patterns of structural and functional brain connectivity. Brain Communications, 2021, 3, fcab057.	1.5	8
1681	Distinct Functional and Structural Connectivity of the Human Hand-Knob Supported by Intraoperative Findings. Journal of Neuroscience, 2021, 41, 4223-4233.	1.7	9
1683	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
1684	Anatomy and White Matter Connections of the Parahippocampal Gyrus. World Neurosurgery, 2021, 148, e218-e226.	0.7	21
1685	Transfer Learning in Magnetic Resonance Brain Imaging: A Systematic Review. Journal of Imaging, 2021, 7, 66.	1.7	56
1686	A new model for simultaneous dimensionality reduction and time-varying functional connectivity estimation. PLoS Computational Biology, 2021, 17, e1008580.	1.5	27
1688	Stochastic synchronization of dynamics on the human connectome. NeuroImage, 2021, 229, 117738.	2.1	19
1691	Distinct functional and structural connections predict crystallised and fluid cognition in healthy adults. Human Brain Mapping, 2021, 42, 3102-3118.	1.9	60
1693	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. Nature Communications, 2021, 12, 2225.	5.8	63
1694	Incorporating Transmission Delays Supported By Diffusion Mri In Meg Source Reconstruction. , 2021, , .		2
1695	Characterization Of Spatial Dynamics Of Fmri Data In White Matter Using Diffusion-Informed White Matter Harmonics. , 2021, 2021, 1586-1590.		1
1696	In vivo human whole-brain Connectom diffusion MRI dataset at 760â€‰Âµm isotropic resolution. Scientific Data, 2021, 8, 122.	2.4	37
1697	A graph neural network framework for causal inference in brain networks. Scientific Reports, 2021, 11, 8061.	1.6	16
1699	Functional Connectivity of the Human Paraventricular Thalamic Nucleus: Insights From High Field Functional MRI. Frontiers in Integrative Neuroscience, 2021, 15, 662293.	1.0	11
1700	Nature and nurture shape structural connectivity in the face processing brain network. NeuroImage, 2021, 229, 117736.	2.1	7
1701	Identifying multiple sclerosis subtypes using unsupervised machine learning and MRI data. Nature Communications, 2021, 12, 2078.	5.8	112
1702	Interindividual Signatures of fMRI Temporal Fluctuations. Cerebral Cortex, 2021, 31, 4450-4463.	1.6	4
1703	Cell-Type-Specific Gene Modules Related to the Regional Homogeneity of Spontaneous Brain Activity and Their Associations With Common Brain Disorders. Frontiers in Neuroscience, 2021, 15, 639527.	1.4	6

#	Article	IF	Citations
1705	High-resolution connectomic fingerprints: Mapping neural identity and behavior. NeuroImage, 2021, 229, 117695.	2.1	65
1706	Frontoinsular cortical microstructure is linked to life satisfaction in young adulthood. Brain Imaging and Behavior, 2021, 15, 2775-2789.	1.1	7
1707	Constructing Compact Signatures for Individual Fingerprinting of Brain Connectomes. Frontiers in Neuroscience, 2021, 15, 549322.	1.4	3
1708	Attention and Default Mode Network Assessments of Meditation Experience during Active Cognition and Rest. Brain Sciences, 2021, 11, 566.	1.1	7
1709	Hippocampus Segmentation On High Resolution Diffusion MRI. , 2021, , .		1
1710	Back to Basics: The Importance of Measurement Properties in Biological Psychiatry. Neuroscience and Biobehavioral Reviews, 2021, 123, 72-82.	2.9	30
1711	Brain age prediction in schizophrenia: Does the choice of machine learning algorithm matter?. Psychiatry Research - Neuroimaging, 2021, 310, 111270.	0.9	25
1712	Sex-related human brain asymmetry in hemispheric functional gradients. NeuroImage, 2021, 229, 117761.	2.1	29
1713	Deep graph transformation for attributed, directed, and signed networks. Knowledge and Information Systems, 2021, 63, 1305-1337.	2.1	3
1716	Stable Meta-Networks, Noise, and Artifacts in the Human Connectome: Low- to High-Dimensional Independent Components Analysis as a Hierarchy of Intrinsic Connectivity Networks. Frontiers in Neuroscience, 2021, 15, 625737.	1.4	2
1720	The morphometry of left cuneus mediating the genetic regulation on working memory. Human Brain Mapping, 2021, 42, 3470-3480.	1.9	14
1722	Scan Once, Analyse Many: Using Large Open-Access Neuroimaging Datasets to Understand the Brain. Neuroinformatics, 2022, 20, 109-137.	1.5	20
1725	Propagating patterns of intrinsic activity along macroscale gradients coordinate functional connections across the whole brain. NeuroImage, 2021, 231, 117827.	2.1	41
1726	Whole-brain modelling of resting state fMRI differentiates ADHD subtypes and facilitates stratified neuro-stimulation therapy. NeuroImage, 2021, 231, 117844.	2.1	19
1727	Protocol for magnetic resonance imaging acquisition, quality assurance, and quality check forÂthe Accelerator program forÂDiscovery in Brain disordersÂusing Stem cells. International Journal of Methods in Psychiatric Research, 2021, 30, e1871.	1.1	7
1730	Cognitive impairment after focal brain lesions is better predicted by damage to structural than functional network hubs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	42
1733	Overcoming false-positive gene-category enrichment in the analysis of spatially resolved transcriptomic brain atlas data. Nature Communications, 2021, 12, 2669.	5.8	74
1734	The Effect of Focal Damage to the Right Medial Posterior Cerebellum on Word and Sentence Comprehension and Production. Frontiers in Human Neuroscience, 2021, 15, 664650.	1.0	8

#	Article	IF	Citations
1737	Cannabis Affects Cerebellar Volume and Sleep Differently in Men and Women. Frontiers in Psychiatry, 2021, 12, 643193.	1.3	9
1738	Brain Connectivity Studies on Structure-Function Relationships: A Short Survey with an Emphasis on Machine Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-31.	1.1	9
1740	Research Consortia and Large-Scale Data Repositories for Studying Intelligence. , 2021, , 70-82.		0
1741	Data-driven approaches to neuroimaging biomarkers for neurological and psychiatric disorders: emerging approaches and examples. Current Opinion in Neurology, 2021, 34, 469-479.	1.8	11
1742	The Face Module Emerged in a Deep Convolutional Neural Network Selectively Deprived of Face Experience. Frontiers in Computational Neuroscience, 2021, 15, 626259.	1.2	11
1743	Moving beyond the mean: Subgroups and dimensions of brain activity and cognitive performance across domains. NeuroImage, 2021, 231, 117823.	2.1	15
1744	Neural correlates of individual variation in two-back working memory and the relationship with fluid intelligence. Scientific Reports, 2021, 11, 9980.	1.6	10
1745	The neurocognitive correlates of brain entropy estimated by resting state fMRI. NeuroImage, 2021, 232, 117893.	2.1	21
1747	Data-driven parcellation and graph theory analyses to study adolescent mood and anxiety symptoms. Translational Psychiatry, 2021, 11, 266.	2.4	12
1748	Anatomical and functional coupling between the dorsal and ventral attention networks. NeuroImage, 2021, 232, 117868.	2.1	30
1749	Toward an information theoretical description of communication in brain networks. Network Neuroscience, 2021, 5, 1-20.	1.4	15
1750	Principles and open questions in functional brain network reconstruction. Human Brain Mapping, 2021, 42, 3680-3711.	1.9	33
1756	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
1757	Comparison of multiple tractography methods for reconstruction of the retinogeniculate visual pathway using diffusion MRI. Human Brain Mapping, 2021, 42, 3887-3904.	1.9	21
1758	Functional connectivity of the hippocampus and its subfields in restingâ€state networks. European Journal of Neuroscience, 2021, 53, 3378-3393.	1.2	24
1759	Voxel-Based State Space Modeling Recovers Task-Related Cognitive States in Naturalistic fMRI Experiments. Frontiers in Neuroscience, 2020, 14, 565976.	1.4	5
1760	Reliability modelling of resting-state functional connectivity. NeuroImage, 2021, 231, 117842.	2.1	10
1761	Virtual connectomic datasets in Alzheimerâ€™s Disease and aging using whole-brain network dynamics modelling. ENeuro, 2021, 8, ENEURO.0475-20.2021.	0.9	14

#	Article	IF	Citations
1763	Reprint of: Using a co-twin control design to evaluate alternative trait measures as indices of liability for substance use disorders. International Journal of Psychophysiology, 2021, 163, 58-66.	0.5	0
1764	The pulse: transient fMRI signal increases in subcortical arousal systems during transitions in attention. NeuroImage, 2021, 232, 117873.	2.1	13
1765	Distinct neural networks subserve placebo analgesia and nocebo hyperalgesia. NeuroImage, 2021, 231, 117833.	2.1	8
1768	Motor and higherâ€order functions topography of the human dentate nuclei identified with tractography and clustering methods. Human Brain Mapping, 2021, 42, 4348-4361.	1.9	20
1769	Geodesic Distance on Optimally Regularized Functional Connectomes Uncovers Individual Fingerprints. Brain Connectivity, 2021, 11, 333-348.	0.8	15
1774	Anatomy and White Matter Connections of the Middle Frontal Gyrus. World Neurosurgery, 2021, 150, e520-e529.	0.7	52
1775	Segregation, integration, and balance of large-scale resting brain networks configure different cognitive abilities. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	88
1778	Functional Connectivity in Dorsolateral Frontal Cortex: Intracranial Electroencephalogram Study. Brain Connectivity, 2021, 11, 850-864.	0.8	2
1780	Delay discounting and neurocognitive performance in young adults with differential patterns of substance use: Findings from the Human Connectome Project.. Experimental and Clinical Psychopharmacology, 2022, 30, 682-691.	1.3	4
1781	Assessing methods for geometric distortion compensation in <scp>7â€‰T</scp> gradient echo functional <scp>MRI</scp> data. Human Brain Mapping, 2021, 42, 4205-4223.	1.9	14
1782	Inter-individual body mass variations relate to fractionated functional brain hierarchies. Communications Biology, 2021, 4, 735.	2.0	25
1783	Interlayer connectivity reconstruction for multilayer brain networks using phase oscillator models. New Journal of Physics, 2021, 23, 063065.	1.2	9
1784	De-anonymization Attacks on Neuroimaging Datasets. , 2021, , .		4
1785	Structural Connectivity Gradients of the Temporal Lobe Serve as Multiscale Axes of Brain Organization and Cortical Evolution. Cerebral Cortex, 2021, 31, 5151-5164.	1.6	21
1787	Convergence Circuit Mapping: Genetic Approaches From Structure to Function. Frontiers in Systems Neuroscience, 2021, 15, 688673.	1.2	4
1789	Ultrahigh field and ultrahigh resolution fMRI. Current Opinion in Biomedical Engineering, 2021, 18, 100288.	1.8	13
1790	Using functional connectivity models to characterize relationships between working and episodic memory. Brain and Behavior, 2021, 11, e02105.	1.0	5
1791	The impact of graph construction scheme and community detection algorithm on the repeatability of community and hub identification in structural brain networks. Human Brain Mapping, 2021, 42, 4261-4280.	1.9	7

#	Article	IF	Citations
1792	Common Data Elements, Scalable Data Management Infrastructure, and Analytics Workflows for Large-Scale Neuroimaging Studies. Frontiers in Psychiatry, 2021, 12, 682495.	1.3	5
1794	Nonlinear manifold learning in functional magnetic resonance imaging uncovers a lowâ€dimensional space of brain dynamics. Human Brain Mapping, 2021, 42, 4510-4524.	1.9	33
1795	Association of Sinonasal Inflammation With Functional Brain Connectivity. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 534.	1.2	11
1798	Decision-making ability, psychopathology, and brain connectivity. Neuron, 2021, 109, 2025-2040.e7.	3.8	34
1800	Sex effects on cortical morphological networks in healthy young adults. NeuroImage, 2021, 233, 117945.	2.1	10
1801	Functionâ€“structure coupling: White matter functional magnetic resonance imaging hyperâ€activation associates with structural integrity reductions in schizophrenia. Human Brain Mapping, 2021, 42, 4022-4034.	1.9	13
1802	Exposure to Repetitive Head Impacts Is Associated With Corpus Callosum Microstructure and Plasma Total Tau in Former Professional American Football Players. Journal of Magnetic Resonance Imaging, 2021, 54, 1819-1829.	1.9	7
1804	Baseline brain function in the preadolescents of the ABCD Study. Nature Neuroscience, 2021, 24, 1176-1186.	7.1	48
1805	Consistency of functional connectivity across different movies. NeuroImage, 2021, 233, 117926.	2.1	17
1807	Interaction Between Cerebellum and Cerebral Cortex, Evidence from Dynamic Causal Modeling. Cerebellum, 2022, 21, 225-233.	1.4	4
1808	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. Frontiers in Psychiatry, 2021, 12, 680811.	1.3	69
1810	Analysis of the human connectome data supports the notion of a â€œCommon Model of Cognitionâ€•for human and human-like intelligence across domains. NeuroImage, 2021, 235, 118035.	2.1	14
1812	MASiVar: Multisite, multiscanner, and multisubject acquisitions for studying variability in diffusion weighted MRI. Magnetic Resonance in Medicine, 2021, 86, 3304-3320.	1.9	16
1813	Anatomy and White Matter Connections of the Superior Parietal Lobule. Operative Neurosurgery, 2021, 21, E199-E214.	0.4	19
1814	A structural enriched functional network: An application to predict brain cognitive performance. Medical Image Analysis, 2021, 71, 102026.	7.0	16
1815	Multimodal super-resolved q-space deep learning. Medical Image Analysis, 2021, 71, 102085.	7.0	10
1817	Fisher Scoring for crossed factor linear mixed models. Statistics and Computing, 2021, 31, 53.	0.8	7
1818	Cortical and white matter correlates of languageâ€learning aptitudes. Human Brain Mapping, 2021, 42, 5037-5050.	1.9	7

#	Article	IF	Citations
1819	Altered effective connectivity of the reward network during an incentiveâ€processing task in adults with alcohol use disorder. Alcoholism: Clinical and Experimental Research, 2021, 45, 1563-1577.	1.4	6
1822	Mapping brain-behavior space relationships along the psychosis spectrum. ELife, 2021, 10, .	2.8	21
1824	Machine Learning Evidence for Sex Differences Consistently Influences Resting-State fMRI Fluctuations Across Multiple Independently-Acquired Datasets. Brain Connectivity, 2021, , .	0.8	5
1825	Multi-scale anatomical awareness improves the accuracy of the real-time electric field estimation. , 2021, , .		3
1826	Surface-based single-subject morphological brain networks: Effects of morphological index, brain parcellation and similarity measure, sample size-varying stability and test-retest reliability. NeuroImage, 2021, 235, 118018.	2.1	40
1828	The default mode network in cognition: a topographical perspective. Nature Reviews Neuroscience, 2021, 22, 503-513.	4.9	368
1829	Two scene navigation systems dissociated by deliberate versus automatic processing. Cortex, 2021, 140, 199-209.	1.1	5
1830	Anatomical bases of fast parietal grasp control in humans: A diffusion-MRI tractography study. NeuroImage, 2021, 235, 118002.	2.1	5
1832	Reorganization of the Social Brain in Individuals with Only One Intact Cerebral Hemisphere. Brain Sciences, 2021, 11, 965.	1.1	6
1835	Regional White Matter Scaling in the Human Brain. Journal of Neuroscience, 2021, 41, 7015-7028.	1.7	5
1836	Time Window of Head Impact Kinematics Measurement for Calculation of Brain Strain and Strain Rate in American Football. Annals of Biomedical Engineering, 2021, 49, 2791-2804.	1.3	22
1838	Phenotype discovery from population brain imaging. Medical Image Analysis, 2021, 71, 102050.	7.0	20
1840	Mesoscale hierarchical organization of primary somatosensory cortex captured by resting-state-fMRI in humans. NeuroImage, 2021, 235, 118031.	2.1	14
1841	Neural Connectivity: How to Reinforce the Bidirectional Synapse Between Basic Neuroscience and Routine Neurosurgical Practice?. Frontiers in Neurology, 2021, 12, 705135.	1.1	2
1842	Connectional asymmetry of the inferior parietal lobule shapes hemispheric specialization in humans, chimpanzees, and rhesus macaques. ELife, 2021, 10, .	2.8	23
1844	Putting Psychology to the Test: Rethinking Model Evaluation Through Benchmarking and Prediction. Advances in Methods and Practices in Psychological Science, 2021, 4, 251524592110268.	5.4	20
1845	Genetic influences on hub connectivity of the human connectome. Nature Communications, 2021, 12, 4237.	5.8	92
1846	Movie-watching outperforms rest for functional connectivity-based prediction of behavior. NeuroImage, 2021, 235, 117963.	2.1	130

#	Article	IF	Citations
1850	Functional Connectivity during Encoding Predicts Individual Differences in Long-Term Memory. Journal of Cognitive Neuroscience, 2021, 33, 2279-2296.	1.1	3
1851	Heritability of brain resilience to perturbation in humans. NeuroImage, 2021, 235, 118013.	2.1	7
1852	A Common Space Approach to Comparative Neuroscience. Annual Review of Neuroscience, 2021, 44, 69-86.	5.0	48
1853	Interindividual differences in matrix reasoning are linked to functional connectivity between brain regions nominated by Parieto-Frontal Integration Theory. Intelligence, 2021, 87, 101545.	1.6	15
1854	Multimodal Investigations of Reward Circuitry and Anhedonia in Adolescent Depression. Frontiers in Psychiatry, 2021, 12, 678709.	1.3	16
1856	Transcriptomics-informed large-scale cortical model captures topography of pharmacological neuroimaging effects of LSD. ELife, 2021, 10, .	2.8	22
1858	Graph-Based Deep Learning for Medical Diagnosis and Analysis: Past, Present and Future. Sensors, 2021, 21, 4758.	2.1	90
1860	Nodal Memberships to Communities of Functional Brain Networks Reveal Functional Flexibility and Individualized Connectome. Cerebral Cortex, 2021, 31, 5090-5106.	1.6	5
1863	The Cerebellar Dopaminergic System. Frontiers in Systems Neuroscience, 2021, 15, 650614.	1.2	24
1864	Strengths and challenges of longitudinal non-human primate neuroimaging. NeuroImage, 2021, 236, 118009.	2.1	12
1865	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. ELife, 2021, 10, .	2.8	42
1866	The Dual Mechanisms of Cognitive Control Project. Journal of Cognitive Neuroscience, 2021, , 1-26.	1.1	23
1867	Relating whole-brain functional connectivity to self-reported negative emotion in a large sample of young adults using group regularized canonical correlation analysis. NeuroImage, 2021, 237, 118137.	2.1	7
1868	Modelling Cortical Laminar Connectivity in the Macaque Brain. Neuroinformatics, 2022, 20, 559-573.	1.5	4
1869	Design of Deep Learning Model for Task-Evoked fMRI Data Classification. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.1	7
1870	Functional harmonics reveal multi-dimensional basis functions underlying cortical organization. Cell Reports, 2021, 36, 109554.	2.9	24
1871	Extensive sampling for complete models of individual brains. Current Opinion in Behavioral Sciences, 2021, 40, 45-51.	2.0	86
1872	Moderated t-tests for group-level fMRI analysis. NeuroImage, 2021, 237, 118141.	2.1	8

#	Article	IF	Citations
1874	Comparing spatial null models for brain maps. NeuroImage, 2021, 236, 118052.	2.1	160
1875	An Age-Specific Atlas for Delineation of White Matter Pathways in Children Aged 6â€“8 Years. Brain Connectivity, 2022, 12, 402-416.	0.8	4
1876	Tractography density affects whole-brain structural architecture and resting-state dynamical modeling. NeuroImage, 2021, 237, 118176.	2.1	10
1879	Heritability and interindividual variability of regional structure-function coupling. Nature Communications, 2021, 12, 4894.	5.8	79
1880	Education and Income Show Heterogeneous Relationships to Lifespan Brain and Cognitive Differences Across European and US Cohorts. Cerebral Cortex, 2022, 32, 839-854.	1.6	25
1881	Physiological and motion signatures in static and time-varying functional connectivity and their subject identifiability. ELife, 2021, 10, .	2.8	30
1882	Painting by lesions: White matter hyperintensities disrupt functional networks and global cognition. NeuroImage, 2021, 236, 118089.	2.1	11
1883	ABCnet: Adversarial bias correction network for infant brain MR images. Medical Image Analysis, 2021, 72, 102133.	7.0	6
1884	Twoâ€trajectory laser amygdalohippocampotomy: Anatomic modeling and initial seizure outcomes. Epilepsia, 2021, 62, 2344-2356.	2.6	10
1886	Applications of optimal nonlinear control to a whole-brain network of FitzHugh-Nagumo oscillators. Physical Review E, 2021, 104, 024213.	0.8	7
1887	Information-Theoretic Registration with Explicit Reorientation of Diffusion-Weighted Images. Journal of Mathematical Imaging and Vision, 2022, 64, 1-16.	0.8	0
1888	Volumetric white matter tract segmentation with nested self-supervised learning using sequential pretext tasks. Medical Image Analysis, 2021, 72, 102094.	7.0	25
1889	Track-to-Learn: A general framework for tractography with deep reinforcement learning. Medical Image Analysis, 2021, 72, 102093.	7.0	8
1891	BIDSonym: a BIDS App for the pseudo-anonymization of neuroimaging datasets. Journal of Open Source Software, 2021, 6, 3169.	2.0	2
1895	Resample aggregating improves the generalizability of connectome predictive modeling. NeuroImage, 2021, 236, 118044.	2.1	10
1897	Relationship between BMI and alcohol consumption levels in decision making. International Journal of Obesity, 2021, 45, 2455-2463.	1.6	5
1898	A Wavelet-Based Approach for Estimating Time-Varying Connectivity in Resting-State Functional Magnetic Resonance Imaging. Brain Connectivity, 2022, 12, 285-298.	0.8	4
1899	A large-scale structural and functional connectome of social mentalizing. NeuroImage, 2021, 236, 118115.	2.1	24

#	Article	IF	Citations
1900	The developing relations between networks of cortical myelin and neurophysiological connectivity. NeuroImage, 2021, 237, 118142.	2.1	15
1901	Improving Functional Connectome Fingerprinting with Degree-Normalization. Brain Connectivity, 2021, , .	0.8	1
1902	The coupling of BOLD signal variability and degree centrality underlies cognitive functions and psychiatric diseases. NeuroImage, 2021, 237, 118187.	2.1	11
1903	Diffusion-informed spatial smoothing of fMRI data in white matter using spectral graph filters. NeuroImage, 2021, 237, 118095.	2.1	22
1904	Impact of Independent Component Analysis Dimensionality on the Testâ€“Retest Reliability of Resting-State Functional Connectivity. Brain Connectivity, 2021, 11, 875-886.	0.8	5
1905	Rare long-range cortical connections enhance human information processing. Current Biology, 2021, 31, 4436-4448.e5.	1.8	46
1906	Minimal specifications for non-human primate MRI: Challenges in standardizing and harmonizing data collection. NeuroImage, 2021, 236, 118082.	2.1	22
1908	Structure, function and connectivity fingerprints of the frontal eye field versus the inferior frontal junction: A comprehensive comparison. European Journal of Neuroscience, 2021, 54, 5462-5506.	1.2	20
1909	Mesoscopic physiological interactions in the human brain reveal small-world properties. Cell Reports, 2021, 36, 109585.	2.9	7
1910	Using normative modelling to detect disease progression in mild cognitive impairment and Alzheimerâ€™s disease in a cross-sectional multi-cohort study. Scientific Reports, 2021, 11, 15746.	1.6	37
1911	Correspondence between functional connectivity and task-related activity patterns within the individual. Current Opinion in Behavioral Sciences, 2021, 40, 178-188.	2.0	15
1913	Predicting attention across time and contexts with functional brain connectivity. Current Opinion in Behavioral Sciences, 2021, 40, 33-44.	2.0	23
1914	Identification of Binge Drinkers via Convolutional Neural Network and Support Vector Machine. , 2021, , .		1
1915	An expectation maximization algorithm for high-dimensional model selection for the Ising model with misclassified states*. Journal of Applied Statistics, 0, , 1-20.	0.6	0
1916	Inter-subject and inter-parcellation variability of resting-state whole-brain dynamical modeling. NeuroImage, 2021, 236, 118201.	2.1	21
1917	Timeâ€varying measures of cerebral network centrality correlate with visual saliency during movie watching. Brain and Behavior, 2021, 11, e2334.	1.0	5
1919	Cross-validation and permutations in MVPA: Validity of permutation strategies and power of cross-validation schemes. NeuroImage, 2021, 238, 118145.	2.1	33
1920	Cortical Surfaces Integration with Tractography for Structural Connectivity Analysis. Brain Connectivity, 2021, 11, 505-517.	0.8	8

#	Article	IF	Citations
1921	Conductance-Based Structural Brain Connectivity in Aging and Dementia. Brain Connectivity, 2021, 11, 566-583.	0.8	7
1922	Generalized Tensor Decomposition With Features on Multiple Modes. Journal of Computational and Graphical Statistics, 2022, 31, 204-218.	0.9	5
1923	BrainGNN: Interpretable Brain Graph Neural Network for fMRI Analysis. Medical Image Analysis, 2021, 74, 102233.	7.0	202
1925	Multiâ€band FMRI compromises detection of mesolimbic reward responses. NeuroImage, 2021, 244, 118617.	2.1	38
1926	Topographic Evolution of Anterior Cerebral Artery Infarction and Its Impact on Motor Impairment. Cerebrovascular Diseases, 2022, 51, 248-258.	0.8	0
1928	The â€œNarrativesâ€•fMRI dataset for evaluating models of naturalistic language comprehension. Scientific Data, 2021, 8, 250.	2.4	50
1929	Investigating sexual dimorphism in human brain structure by combining multiple indexes of brain morphology and source-based morphometry. Brain Structure and Function, 2022, 227, 11-21.	1.2	3
1930	Validating dynamicity in resting state <scp>fMRI</scp> with <scp>activationâ€informed</scp> temporal segmentation. Human Brain Mapping, 2021, 42, 5718-5735.	1.9	2
1932	Naturalistic stimuli: A paradigm for multiscale functional characterization of the human brain. Current Opinion in Biomedical Engineering, 2021, 19, 100298.	1.8	15
1933	Connectivity gradients on tractography data: Pipeline and example applications. Human Brain Mapping, 2021, 42, 5827-5845.	1.9	5
1934	Social prediction modulates activity of macaque superior temporal cortex. Science Advances, 2021, 7, eabh2392.	4.7	15
1935	A timeâ€course study of actively stained mouse brains: Diffusion tensor imaging parameters and connectomic stability over 1 year. NMR in Biomedicine, 2022, 35, e4611.	1.6	1
1936	Ventralis intermedius nucleus anatomical variability assessment by MRI structural connectivity. NeuroImage, 2021, 238, 118231.	2.1	8
1937	Developmental Cognitive Neuroscience in the Era of Networks and Big Data: Strengths, Weaknesses, Opportunities, and Threats. Annual Review of Developmental Psychology, 2021, 3, 249-275.	1.4	16
1938	Unsupervised brain tumor segmentation using a symmetric-driven adversarial network. Neurocomputing, 2021, 455, 242-254.	3.5	31
1939	Employing Connectome-Based Models to Predict Working Memory in Multiple Sclerosis. Brain Connectivity, 2022, 12, 502-514.	0.8	7
1941	Frontal cortical regions associated with attention connect more strongly to central than peripheral V1. NeuroImage, 2021, 238, 118246.	2.1	7
1942	Subject identification using edge-centric functional connectivity. NeuroImage, 2021, 238, 118204.	2.1	24

#	Article	IF	Citations
1944	Learning brain dynamics for decoding and predicting individual differences. PLoS Computational Biology, 2021, 17, e1008943.	1.5	4
1946	Nicotine acutely alters temporal properties of resting brain states. Drug and Alcohol Dependence, 2021, 226, 108846.	1.6	3
1948	Decomposition of individual-specific and individual-shared components from resting-state functional connectivity using a multi-task machine learning method. NeuroImage, 2021, 238, 118252.	2.1	10
1951	Smoking status links habenular volume to glycated hemoglobin: Findings from the Human Connectome Project-Young Adult. Psychoneuroendocrinology, 2021, 131, 105321.	1.3	4
1952	Comparison of Whole-Head Functional Near-Infrared Spectroscopy With Functional Magnetic Resonance Imaging and Potential Application in Pediatric Neurology. Pediatric Neurology, 2021, 122, 68-75.	1.0	7
1953	Tensor quantile regression with application to association between neuroimages and human intelligence. Annals of Applied Statistics, 2021, 15, 1455-1477.	0.5	3
1956	A deep learning based approach identifies regions more relevant than restingâ€state networks to the prediction of general intelligence from restingâ€state <scp>fMRI</scp>. Human Brain Mapping, 2021, 42, 5873-5887.	1.9	10
1957	Longâ€term stability of the cortical volumetric profile and the functional human connectome throughout childhood and adolescence. European Journal of Neuroscience, 2021, 54, 6187-6201.	1.2	10
1958	Automatic recognition of specific local cortical folding patterns. NeuroImage, 2021, 238, 118208.	2.1	7
1960	Using connectomics for predictive assessment of brain parcellations. NeuroImage, 2021, 238, 118170.	2.1	9
1961	The Association between Body Mass Index and Intra-Cortical Myelin: Findings from the Human Connectome Project. Nutrients, 2021, 13, 3221.	1.7	12
1962	Functionnectome as a framework to analyse the contribution of brain circuits to fMRI. Communications Biology, 2021, 4, 1035.	2.0	18
1963	Smooth graph learning for functional connectivity estimation. NeuroImage, 2021, 239, 118289.	2.1	14
1964	The autonomic brain: Multi-dimensional generative hierarchical modelling of the autonomic connectome. Cortex, 2021, 143, 164-179.	1.1	18
1965	Delineating between-subject heterogeneity in alpha networks with Spatio-Spectral Eigenmodes. NeuroImage, 2021, 240, 118330.	2.1	8
1966	The instability of functional connectomes across the first year of life. Developmental Cognitive Neuroscience, 2021, 51, 101007.	1.9	8
1967	Functional co-activation of the default mode network in APOE Îµ4-carriers: A replication study. NeuroImage, 2021, 240, 118304.	2.1	9
1968	Predicting the retinotopic organization of human visual cortex from anatomy using geometric deep learning. NeuroImage, 2021, 244, 118624.	2.1	13

#	Article	IF	Citations
1969	Exploring MEG brain fingerprints: Evaluation, pitfalls, and interpretations. NeuroImage, 2021, 240, 118331.	2.1	41
1970	Physiological noise modeling in fMRI based on the pulsatile component of photoplethysmograph. NeuroImage, 2021, 242, 118467.	2.1	12
1971	An isotropic EPI database and analytical pipelines for rat brain resting-state fMRI. NeuroImage, 2021, 243, 118541.	2.1	20
1972	Multiscale communication in cortico-cortical networks. NeuroImage, 2021, 243, 118546.	2.1	42
1973	Behavioral, Anatomical and Heritable Convergence of Affect and Cognition in Superior Frontal Cortex. NeuroImage, 2021, 243, 118561.	2.1	11
1974	Multi-source brain computing with systematic fusion for smart health. Information Fusion, 2021, 75, 150-167.	11.7	14
1975	Deep sr-DDL: Deep structurally regularized dynamic dictionary learning to integrate multimodal and dynamic functional connectomics data for multidimensional clinical characterizations. NeuroImage, 2021, 241, 118388.	2.1	10
1976	Recent developments in representations of the connectome. NeuroImage, 2021, 243, 118533.	2.1	16
1977	Identifying regions in prefrontal cortex related to working memory improvement: A novel meta-analytic method using electric field modeling. Neuroscience and Biobehavioral Reviews, 2021, 130, 147-161.	2.9	40
1978	Frontoparietal pattern similarity analyses of cognitive control in monozygotic twins. NeuroImage, 2021, 241, 118415.	2.1	9
1979	Ventral intermediate nucleus structural connectivity-derived segmentation: anatomical reliability and variability. NeuroImage, 2021, 243, 118519.	2.1	7
1980	Evaluating the sensitivity of functional connectivity measures to motion artifact in resting-state fMRI data. NeuroImage, 2021, 241, 118408.	2.1	27
1981	Representation learning of resting state fMRI with variational autoencoder. NeuroImage, 2021, 241, 118423.	2.1	26
1982	Multivariate semi-blind deconvolution of fMRI time series. NeuroImage, 2021, 241, 118418.	2.1	12
1983	The cue-reactivity paradigm: An ensemble of networks driving attention and cognition when viewing drug and natural reward-related stimuli. Neuroscience and Biobehavioral Reviews, 2021, 130, 201-213.	2.9	32
1984	Species and individual differences and connectional asymmetry of Broca's area in humans and macaques. NeuroImage, 2021, 244, 118583.	2.1	7
1985	Automated eloquent cortex localization in brain tumor patients using multi-task graph neural networks. Medical Image Analysis, 2021, 74, 102203.	7.0	12
1986	Large, open datasets for human connectomics research: Considerations for reproducible and responsible data use. NeuroImage, 2021, 244, 118579.	2.1	35

#	Article	IF	Citations
1987	Pseudonymisation of neuroimages and data protection: Increasing access to data while retaining scientific utility. NeuroImage Reports, 2021, 1, 100053.	0.5	9
1988	rsHRF: A toolbox for resting-state HRF estimation and deconvolution. NeuroImage, 2021, 244, 118591.	2.1	42
1989	Where the genome meets the connectome: Understanding how genes shape human brain connectivity. NeuroImage, 2021, 244, 118570.	2.1	34
1990	The Human Connectome Project: A retrospective. NeuroImage, 2021, 244, 118543.	2.1	114
1991	Identifying brain regions supporting amygdalar functionality: Application of a novel graph theory technique. NeuroImage, 2021, 244, 118614.	2.1	3
1992	Postoperative Cognitive Dysfunction and Delirium. , 2022, , 613-627.		0
1993	HD-EEG for tracking sub-second brain dynamics during cognitive tasks. Scientific Data, 2021, 8, 32.	2.4	13
1994	New Insights Into the Anatomy, Connectivity and Clinical Implications of the Middle Longitudinal Fasciculus. Frontiers in Neuroanatomy, 2020, 14, 610324.	0.9	18
1996	Emotional disorders and the cerebellum: Neurobiological substrates, neuropsychiatry, and therapeutic implications. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 183, 109-154.	1.0	22
1998	Risk and resilience for alcohol use disorder revealed in brain functional connectivity. NeuroImage: Clinical, 2021, 32, 102801.	1.4	4
1999	Graph-Theoretic Properties of Sub-Graph Entropy. IEEE Signal Processing Letters, 2021, 28, 135-139.	2.1	2
2000	Functional connectivity hemispheric contrast (FC-HC): A new metric for language mapping. NeuroImage: Clinical, 2021, 30, 102598.	1.4	7
2002	Functional Magnetic Resonance Imaging Data Augmentation Through Conditional ICA. Lecture Notes in Computer Science, 2021, , 491-500.	1.0	2
2003	A Spherical Convolutional Neural Network for White Matter Structure Imaging via dMRI. Lecture Notes in Computer Science, 2021, , 529-539.	1.0	5
2004	Bundle Geodesic Convolutional Neural Network for DWI Segmentation fromÂSingle Scan Learning. Lecture Notes in Computer Science, 2021, , 121-132.	1.0	0
2005	Improving Phenotype Prediction Using Long-Range Spatio-Temporal Dynamics of Functional Connectivity. Lecture Notes in Computer Science, 2021, , 145-154.	1.0	3
2007	Enhancing Diffusion Signal Augmentation Using Spherical Convolutions. Mathematics and Visualization, 2021, , 189-200.	0.4	0
2008	Task-Agnostic Out-of-Distribution Detection Using Kernel Density Estimation. Lecture Notes in Computer Science, 2021, , 91-101.	1.0	1

#	Article	IF	Citations
2009	Convolutional Neural Networks for Automatic Detection of Focal Cortical Dysplasia. Advances in Intelligent Systems and Computing, 2021, , 582-588.	0.5	3
2010	Microstructural imaging of the human brain with normal and â€œabnormalâ€•aging using diffusion magnetic resonance imaging. , 2021, , 143-152.		0
2013	Accounting for Subjectivity in Experimental Research on Human Olfaction. Chemical Senses, 2021, 46, .	1.1	3
2015	A Bayesian Deep CNN Framework for Reconstructing k-t-Undersampled Resting-fMRI. , 2021, , .		0
2016	Topological Receptive Field Model for Human Retinotopic Mapping. Lecture Notes in Computer Science, 2021, 12907, 639-649.	1.0	1
2018	Exploring the Functional Difference of Gyri/Sulci via Hierarchical Interpretable Autoencoder. Lecture Notes in Computer Science, 2021, , 701-709.	1.0	2
2019	MRI Super-Resolution Through Generative Degradation Learning. Lecture Notes in Computer Science, 2021, 12906, 430-440.	1.0	5
2021	VolumeNet: A Lightweight Parallel Network for Super-Resolution of MR and CT Volumetric Data. IEEE Transactions on Image Processing, 2021, 30, 4840-4854.	6.0	33
2022	Optimizing Driver Nodes for Structural Controllability of Temporal Networks. IEEE Transactions on Control of Network Systems, 2022, 9, 380-389.	2.4	5
2023	Structure-informed functional connectivity driven by identifiable and state-specific control regions. Network Neuroscience, 2021, 5, 591-613.	1.4	2
2024	Synthesis of 3D MRI Brain Images With Shape and Texture Generative Adversarial Deep Neural Networks. IEEE Access, 2021, 9, 64747-64760.	2.6	21
2025	PialNN: A Fast Deep Learning Framework for Cortical Pial Surface Reconstruction. Lecture Notes in Computer Science, 2021, , 73-81.	1.0	10
2026	The link between gliomas infiltration and white matter architecture investigated with electron microscopy and diffusion tensor imaging. NeuroImage: Clinical, 2021, 31, 102735.	1.4	11
2027	Heritability of Functional Connectivity in Resting State: Assessment of the Dynamic Mean, Dynamic Variance, and Static Connectivity across Networks. Cerebral Cortex, 2021, 31, 2834-2844.	1.6	21
2028	Heritability of hippocampal subfield volumes using a twin and non-twin siblings design. Human Brain Mapping, 2017, 38, 4337-4352.	1.9	27
2029	Human Connectome Project. , 2013, , 1-4.		11
2030	MNE: Software for Acquiring, Processing, and Visualizing MEG/EEG Data. , 2019, , 355-371.		7
2031	Heritability Estimation of Reliable Connectomic Features. Lecture Notes in Computer Science, 2018, 11083, 58-66.	1.0	8

#	Article	IF	Citations
2032	A Lifelong Learning Approach to Brain MR Segmentation Across Scanners and Protocols. Lecture Notes in Computer Science, 2018, , 476-484.	1.0	60
2033	Measures of Tractography Convergence. Mathematics and Visualization, 2019, , 295-307.	0.4	1
2034	Brain Connectivity Measures via Direct Sub-Finslerian Front Propagation on the 5D Sphere Bundle of Positions and Directions. Mathematics and Visualization, 2019, , 309-321.	0.4	4
2035	Deep Learning for Functional Brain Connectivity: Are We There Yet?. Advances in Computer Vision and Pattern Recognition, 2019, , 347-365.	0.9	3
2036	Generating Diffusion MRI Scalar Maps from T1 Weighted Images Using Generative Adversarial Networks. Lecture Notes in Computer Science, 2019, , 489-498.	1.0	14
2037	Joint Inference on Structural and Diffusion MRI for Sequence-Adaptive Bayesian Segmentation of Thalamic Nuclei with Probabilistic Atlases. Lecture Notes in Computer Science, 2019, 11492, 767-779.	1.0	5
2038	Automated Parcellation of the Cortex Using Structural Connectome Harmonics. Lecture Notes in Computer Science, 2019, 11766, 475-483.	1.0	1
2039	Super-Resolved q-Space Deep Learning. Lecture Notes in Computer Science, 2019, , 582-589.	1.0	4
2040	Deep White Matter Analysis: Fast, Consistent Tractography Segmentation Across Populations and dMRI Acquisitions. Lecture Notes in Computer Science, 2019, 11766, 599-608.	1.0	10
2041	Quantifying Confounding Bias in Neuroimaging Datasets with Causal Inference. Lecture Notes in Computer Science, 2019, , 484-492.	1.0	8
2042	A Mass Multivariate Edge-wise Approach for Combining Multiple Connectomes to Improve the Detection of Group Differences. Lecture Notes in Computer Science, 2019, , 64-73.	1.0	4
2043	Accelerated MRI Reconstruction with Dual-Domain Generative Adversarial Network. Lecture Notes in Computer Science, 2019, , 47-57.	1.0	5
2044	Rigid Graph Alignment. Studies in Computational Intelligence, 2020, , 621-632.	0.7	3
2045	Free-Water Correction in Diffusion MRI: A Reliable and Robust Learning Approach. Mathematics and Visualization, 2020, , 91-99.	0.4	4
2046	Flow-Based Deformation Guidance for Unpaired Multi-contrast MRI Image-to-Image Translation. Lecture Notes in Computer Science, 2020, , 728-737.	1.0	6
2047	Tract Dictionary Learning for Fast and Robust Recognition of Fiber Bundles. Lecture Notes in Computer Science, 2020, 12267, 251-259.	1.0	10
2048	White Matter Tract Segmentation with Self-supervised Learning. Lecture Notes in Computer Science, 2020, , 270-279.	1.0	4
2049	Estimating Tissue Microstructure with Undersampled Diffusion Data via Graph Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, 12267, 280-290.	1.0	9

#	Article	IF	Citations
2050	Tractogram Filtering of Anatomically Non-plausible Fibers with Geometric Deep Learning. Lecture Notes in Computer Science, 2020, , 291-301.	1.0	12
2051	TRAKO: Efficient Transmission of Tractography Data for Visualization. Lecture Notes in Computer Science, 2020, 12267, 322-332.	1.0	3
2052	Whole MILC: Generalizing Learned Dynamics Across Tasks, Datasets, and Populations. Lecture Notes in Computer Science, 2020, , 407-417.	1.0	10
2053	PoincarÃ© Embedding Reveals Edge-Based Functional Networks of the Brain. Lecture Notes in Computer Science, 2020, , 448-457.	1.0	5
2054	The Constrained Network-Based Statistic: A New Level of Inference for Neuroimaging. Lecture Notes in Computer Science, 2020, 12267, 458-468.	1.0	9
2055	Spatio-Temporal Graph Convolution for Resting-State fMRI Analysis. Lecture Notes in Computer Science, 2020, 12267, 528-538.	1.0	68
2056	Deep Representation Learning for Multimodal Brain Networks. Lecture Notes in Computer Science, 2020, 12267, 613-624.	1.0	15
2057	Modelling the Distribution of 3D Brain MRI Using a 2D Slice VAE. Lecture Notes in Computer Science, 2020, , 657-666.	1.0	17
2058	Exploring Functional Difference Between Gyri and Sulci via Region-Specific 1D Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, , 250-259.	1.0	6
2059	Probabilistic Shortest Path Tractography in DTIÂUsing Gaussian Process ODE Solvers. Lecture Notes in Computer Science, 2014, 17, 265-272.	1.0	17
2060	Fiber Bundle Segmentation Using Spectral Embedding and Supervised Learning. Mathematics and Visualization, 2014, , 103-114.	0.4	7
2061	Atlas-Guided Global Tractography: Imposing a Prior on the Local Track Orientation. Mathematics and Visualization, 2014, , 115-123.	0.4	3
2062	Statistical and Machine Learning Methods for Neuroimaging: Examples, Challenges, and Extensions to Diffusion Imaging Data. Mathematics and Visualization, 2015, , 299-319.	0.4	3
2063	Minimum Partial Correlation: An Accurate and Parameter-Free Measure of Functional Connectivity in fMRI. Lecture Notes in Computer Science, 2015, , 125-134.	1.0	6
2065	A Random Riemannian Metric for Probabilistic Shortest-Path Tractography. Lecture Notes in Computer Science, 2015, , 597-604.	1.0	7
2066	Locally Orderless Registration for Diffusion Weighted Images. Lecture Notes in Computer Science, 2015, , 305-312.	1.0	5
2067	Multimodal Cortical Parcellation Based on Anatomical and Functional Brain Connectivity. Lecture Notes in Computer Science, 2015, , 21-28.	1.0	4
2068	Super-Resolution Reconstruction of Diffusion-Weighted Images Using 4D Low-Rank and Total Variation. Mathematics and Visualization, 2016, 2015, 15-25.	0.4	3

#	Article	IF	Citations
2069	Holistic Image Reconstruction for Diffusion MRI. Mathematics and Visualization, 2016, , 27-39.	0.4	1
2070	Adaptive Signal Recovery on Graphs viaÂHarmonic Analysis for Experimental DesignÂinÂNeuroimaging. Lecture Notes in Computer Science, 2016, 9910, 188-205.	1.0	2
2071	Riemannian Metric Optimization for Connectivity-Driven Surface Mapping. Lecture Notes in Computer Science, 2016, 9900, 228-236.	1.0	6
2072	Comprehensive Maximum Likelihood Estimation of Diffusion Compartment Models Towards Reliable Mapping of Brain Microstructure. Lecture Notes in Computer Science, 2016, , 622-630.	1.0	4
2073	Multimodal Brain Subnetwork Extraction Using Provincial Hub Guided Random Walks. Lecture Notes in Computer Science, 2017, , 287-298.	1.0	1
2074	A Restaurant Process Mixture Model for Connectivity Based Parcellation of the Cortex. Lecture Notes in Computer Science, 2017, , 336-347.	1.0	1
2075	Discovering Change-Point Patterns in Dynamic Functional Brain Connectivity of a Population. Lecture Notes in Computer Science, 2017, , 361-372.	1.0	2
2076	Estimation of Tissue Microstructure Using a Deep Network Inspired by a Sparse Reconstruction Framework. Lecture Notes in Computer Science, 2017, , 466-477.	1.0	9
2077	Bayesian Heteroscedastic Regression for Diffusion Tensor Imaging. Mathematics and Visualization, 2017, , 257-282.	0.4	5
2078	Holistic Mapping of Striatum Surfaces in the Laplace-Beltrami Embedding Space. Lecture Notes in Computer Science, 2017, 10433, 21-30.	1.0	2
2079	4D Infant Cortical Surface Atlas Construction Using Spherical Patch-Based Sparse Representation. Lecture Notes in Computer Science, 2017, 10433, 57-65.	1.0	15
2080	Morphological and functional variability in central and subcentral motor cortex of the human brain. Brain Structure and Function, 2021, 226, 263-279.	1.2	28
2081	Tracking the visual systemâ€"from the optic chiasm to primary visual cortex. Zeitschrift Fur Epileptologie, 2021, 34, 57-66.	0.2	4
2082	Hypersexuality and Neuroimaging Personality, Social Cognition, and Character. , 2016, , 3-22.		12
2083	The extensible Data-Brain model: Architecture, applications and directions. Journal of Computational Science, 2020, 46, 101103.	1.5	14
2084	Temporal non-local means filtering for studies of intrinsic brain connectivity from individual resting fMRI. Medical Image Analysis, 2020, 61, 101635.	7.0	13
2085	Correction of out-of-FOV motion artifacts using convolutional neural network. Magnetic Resonance Imaging, 2020, 71, 93-102.	1.0	11
2086	Free-water metrics in medial temporal lobe white matter tract projections relate to longitudinal cognitive decline. Neurobiology of Aging, 2020, 94, 15-23.	1.5	23

#	Article	IF	Citations
2087	Using multi-echo simultaneous multi-slice (SMS) EPI to improve functional MRI of the subcortical nuclei of the basal ganglia at ultra-high field (7T). NeuroImage, 2018, 172, 886-895.	2.1	32
2088	General functional connectivity: Shared features of resting-state and task fMRI drive reliable and heritable individual differences in functional brain networks. NeuroImage, 2019, 189, 516-532.	2.1	223
2089	The thalamic functional gradient and its relationship to structural basis and cognitive relevance. NeuroImage, 2020, 218, 116960.	2.1	43
2090	Predicting reading ability from brain anatomy and function: From areas to connections. NeuroImage, 2020, 218, 116966.	2.1	18
2091	Characterizing the gradients of structural covariance in the human hippocampus. NeuroImage, 2020, 218, 116972.	2.1	23
2092	A probabilistic atlas of locus coeruleus pathways to transentorhinal cortex for connectome imaging in Alzheimer's disease. NeuroImage, 2020, 223, 117301.	2.1	24
2093	Brain Structural Connectivity Predicts Brain Functional Complexity: Diffusion Tensor Imaging Derived Centrality Accounts for Variance in Fractal Properties of Functional Magnetic Resonance Imaging Signal. Neuroscience, 2020, 438, 1-8.	1.1	13
2094	Functional network connectivity in early-stage schizophrenia. Schizophrenia Research, 2020, 218, 107-115.	1.1	31
2095	An fMRI investigation of the relations between Extraversion, internalizing psychopathology, and neural activation following reward receipt in the Human Connectome Project sample. Personality Neuroscience, 2020, 3, e13.	1.3	4
2096	How psychosocial research can help the National Institute of Mental Health achieve its grand challenge to reduce the burden of mental illnesses and psychological disorders.. American Psychologist, 2019, 74, 415-431.	3.8	21
2097	Affective traits of psychopathy are linked to white-matter abnormalities in impulsive male offenders.. Neuropsychology, 2018, 32, 735-745.	1.0	18
2098	Incorporating neurophysiological measures into clinical assessments: Fundamental challenges and a strategy for addressing them.. Psychological Assessment, 2019, 31, 1512-1529.	1.2	51
2099	Image Super-Resolution for MRI Images using 3D Faster Super-Resolution Convolutional Neural Network architecture. ITM Web of Conferences, 2020, 32, 03044.	0.4	7
2100	Chasing chaos by improved identification of suitable embedding dimensions and lags. Chaos, 2020, 30, 123104.	1.0	4
2101	Topographic connectivity reveals task-dependent retinotopic processing throughout the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	31
2102	Handedness measures for the Human Connectome Project: Implications for data analysis. Laterality, 2021, 26, 584-606.	0.5	8
2103	Sparse coupled logistic regression to estimate co-activation and modulatory influences of brain regions. Journal of Neural Engineering, 2020, 17, 065003.	1.8	2
2104	Brainstem and striatal volume changes are detectable in under 1 year and predict motor decline in spinocerebellar ataxia type 1. Brain Communications, 2020, 2, fcaa184.	1.5	15

#	Article	IF	Citations
2105	File-based localization of numerical perturbations in data analysis pipelines. GigaScience, 2020, 9, .	3.3	8
2106	Individual Cortical Entropy Profile: Testâ€“Retest Reliability, Predictive Power for Cognitive Ability, and Neuroanatomical Foundation. Cerebral Cortex Communications, 2020, 1, tgaa015.	0.7	15
2313	Universal theory of brain waves: From linear loops to nonlinear synchronized spiking and collective brain rhythms. Physical Review Research, 2020, 2, .	1.3	12
2314	Community-Aware Graph Signal Processing: Modularity Defines New Ways of Processing Graph Signals. IEEE Signal Processing Magazine, 2020, 37, 150-159.	4.6	5
2315	Ventral Capsule/Ventral Striatum Stimulation in Obsessive-Compulsive Disorder: Toward a Unified Connectomic Target for Deep Brain Stimulation?. Neuromodulation, 2021, 24, 316-323.	0.4	26
2316	On the Nature of Explanations Offered by Network Science: A Perspective From and for Practicing Neuroscientists. Topics in Cognitive Science, 2020, 12, 1272-1293.	1.1	25
2317	The connectomics challenge. Functional Neurology, 2013, 28, 167-73.	1.3	16
2318	Brain decoding using deep convolutional network and its application in cross-subject analysis. , 2018, , .		2
2319	Brain network identification in asynchronous task fMRI data using robust and scalable tensor decomposition. , 2019, , .		2
2320	Deep learning estimation of multi-tissue constrained spherical deconvolution with limited single shell DW-MRI. , 2020, 11313, .		11
2321	Heritability estimates on resting state fMRI data using ENIGMA analysis pipeline. , 2018, , .		20
2322	Deep Multi-Graph Clustering via Attentive Cross-Graph Association. , 2020, , .		15
2323	Local Community Detection in Multiple Networks. , 2020, , .		24
2324	fastMRI: A Publicly Available Raw k-Space and DICOM Dataset of Knee Images for Accelerated MR Image Reconstruction Using Machine Learning. Radiology: Artificial Intelligence, 2020, 2, e190007.	3.0	152
2325	The intrinsic neonatal hippocampal network: rsfMRI findings. Journal of Neurophysiology, 2020, 124, 1458-1468.	0.9	5
2326	Test-retest reliability of the human functional connectome over consecutive days: identifying highly reliable portions and assessing the impact of methodological choices. Network Neuroscience, 2020, 4, 925-945.	1.4	25
2327	Chapter 11 Imaging the striatum in autism spectrum disorder. , 2016, , 189-218.		1
2328	Intrinsic Riemannian functional data analysis. Annals of Statistics, 2019, 47, .	1.4	23

#	Article	IF	Citations
2329	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. F1000Research, 2014, 3, 313.	0.8	1
2330	Fixing the stimulus-as-fixed-effect fallacy in task fMRI. Wellcome Open Research, 0, 1, 23.	0.9	28
2331	Fixing the stimulus-as-fixed-effect fallacy in task fMRI. Wellcome Open Research, 2016, 1, 23.	0.9	61
2332	A comprehensive atlas of white matter tracts in the chimpanzee. PLoS Biology, 2020, 18, e3000971.	2.6	25
2333	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain. PLoS Biology, 2020, 18, e3000979.	2.6	68
2334	Decoding brain activity using a large-scale probabilistic functional-anatomical atlas of human cognition. PLoS Computational Biology, 2017, 13, e1005649.	1.5	124
2335	How Does B-Value Affect HARDI Reconstruction Using Clinical Diffusion MRI Data?. PLoS ONE, 2015, 10, e0120773.	1.1	18
2336	Surface-Based Display of Volume-Averaged Cerebellar Imaging Data. PLoS ONE, 2015, 10, e0133402.	1.1	221
2337	Structural and Functional Brain Connectivity of People with Obesity and Prediction of Body Mass Index Using Connectivity. PLoS ONE, 2015, 10, e0141376.	1.1	36
2338	D-BRAIN: Anatomically Accurate Simulated Diffusion MRI Brain Data. PLoS ONE, 2016, 11, e0149778.	1.1	11
2339	Task-Related Edge Density (TED)â€"A New Method for Revealing Dynamic Network Formation in fMRI Data of the Human Brain. PLoS ONE, 2016, 11, e0158185.	1.1	10
2340	Temporal Non-Local Means Filtering Reveals Real-Time Whole-Brain Cortical Interactions in Resting fMRI. PLoS ONE, 2016, 11, e0158504.	1.1	27
2341	Creating and parameterizing patient-specific deep brain stimulation pathway-activation models using the hyperdirect pathway as an example. PLoS ONE, 2017, 12, e0176132.	1.1	96
2342	Cannabis involvement and neuropsychological performance: findings from the Human Connectome Project. Journal of Psychiatry and Neuroscience, 2019, 44, 414-422.	1.4	26
2343	Heartbeat Induces a Cortical Theta-Synchronized Network in the Resting State. ENeuro, 2019, 6, ENEURO.0200-19.2019.	0.9	12
2344	Graph Theoretic and Motif Analyses of the Hippocampal Neuron Type Potential Connectome. ENeuro, 2016, 3, ENEURO.0205-16.2016.	0.9	26
2345	Pushing the Boundaries of Psychiatric Neuroimaging to Ground Diagnosis in Biology. ENeuro, 2019, 6, ENEURO.0384-19.2019.	0.9	25
2346	Functional Connectome Analyses Reveal the Human Olfactory Network Organization. ENeuro, 2020, 7, ENEURO.0551-19.2020.	0.9	19

#	Article	IF	Citations
2347	De-Identification of Facial Features in Magnetic Resonance Images: Software Development Using Deep Learning Technology. Journal of Medical Internet Research, 2020, 22, e22739.	2.1	19
2348	Research Domain Criteria: toward future psychiatric nosologies. Dialogues in Clinical Neuroscience, 2015, 17, 89-97.	1.8	254
2349	Individual variation in functional brain connectivity: implications for personalized approaches to psychiatric disease. Dialogues in Clinical Neuroscience, 2016, 18, 277-287.	1.8	72
2350	Connectivity differences between adult male and female patients with attention deficit hyperactivity disorder according to resting-state functional MRI. Neural Regeneration Research, 2016, 11, 119.	1.6	14
2351	Age-related connectivity differences between attention deficit and hyperactivity disorder patients and typically developing subjects: a resting-state functional MRI study. Neural Regeneration Research, 2017, 12, 1640.	1.6	13
2353	Functional topography of the human entorhinal cortex. ELife, 2015, 4, .	2.8	161
2354	The heritability of multi-modal connectivity in human brain activity. ELife, 2017, 6, .	2.8	107
2355	Whole brain comparative anatomy using connectivity blueprints. ELife, 2018, 7, .	2.8	135
2356	A prediction model of working memory across health and psychiatric disease using whole-brain functional connectivity. ELife, 2018, 7, .	2.8	73
2357	Bayesian analysis of retinotopic maps. ELife, 2018, 7, .	2.8	102
2358	Decreased brain connectivity in smoking contrasts with increased connectivity in drinking. ELife, 2019, 8, .	2.8	38
2359	An afferent white matter pathway from the pulvinar to the amygdala facilitates fear recognition. ELife, 2019, 8, .	2.8	77
2360	Empirical examination of the replicability of associations between brain structure and psychological variables. ELife, 2019, 8, .	2.8	115
2361	Inter-individual differences in human brain structure and morphology link to variation in demographics and behavior. ELife, 2019, 8, .	2.8	86
2362	The relationship between spatial configuration and functional connectivity of brain regions revisited. ELife, 2019, 8, .	2.8	64
2363	Dichotomous organization of amygdala/temporal-prefrontal bundles in both humans and monkeys. ELife, 2019, 8, .	2.8	66
2364	Dataset decay and the problem of sequential analyses on open datasets. ELife, 2020, 9, .	2.8	40
2365	Primate homologs of mouse cortico-striatal circuits. ELife, 2020, 9, .	2.8	73

#	Article	IF	Citations
2366	Distinct hierarchical alterations of intrinsic neural timescales account for different manifestations of psychosis. ELife, 2020, 9, .	2.8	44
2367	Multi-contrast anatomical subcortical structures parcellation. ELife, 2020, 9, .	2.8	22
2368	Topographic gradients of intrinsic dynamics across neocortex. ELife, 2020, 9, .	2.8	99
2369	Parcellating connectivity in spatial maps. PeerJ, 2015, 3, e784.	0.9	66
2370	Profile of Data Sharing in the Clinical Neurosciences. Cureus, 2020, 12, e9927.	0.2	5
2371	A network-based method for brain disease gene prediction by integrating brain connectome and molecular network. Briefings in Bioinformatics, 2022, 23, .	3.2	7
2372	Laterality hotspots in the striatum. Cerebral Cortex, 2022, 32, 2943-2956.	1.6	5
2373	Onset pattern of nigrostriatal denervation in early Parkinsonâ€™s disease. Brain, 2022, 145, 1018-1028.	3.7	22
2374	Domain Adaptation for Medical Image Analysis: A Survey. IEEE Transactions on Biomedical Engineering, 2022, 69, 1173-1185.	2.5	218
2375	White Matter Functional Connectivity in Resting-State fMRI: Robustness, Reliability, and Relationships to Gray Matter. Cerebral Cortex, 2022, 32, 1547-1559.	1.6	36
2376	A Guided Attention 4D Convolutional Neural Network for Modeling Spatio-Temporal Patterns of Functional Brain Networks. Lecture Notes in Computer Science, 2021, , 350-361.	1.0	2
2377	CEREBRUMâ€7T: Fast and Fully Volumetric Brain Segmentation of 7 Tesla MR Volumes. Human Brain Mapping, 2021, 42, 5563-5580.	1.9	13
2378	The Role of Neural Load Effects in Predicting Individual Differences in Working Memory Function. NeuroImage, 2021, 245, 118656.	2.1	3
2379	Deep Learning-Based Detection of Malformed Optic Chiasms From MRI Images. Frontiers in Neuroscience, 2021, 15, 755785.	1.4	6
2381	Average SAR prediction, validation, and evaluation for a compact MR scanner head-sized RF coil. Magnetic Resonance Imaging, 2022, 85, 168-176.	1.0	3
2382	Cross-scanner reproducibility and harmonization of a diffusion MRI structural brain network: A traveling subject study of multi-b acquisition. NeuroImage, 2021, 245, 118675.	2.1	15
2383	neurolib: A Simulation Framework for Whole-Brain Neural Mass Modeling. Cognitive Computation, 2023, 15, 1132-1152.	3.6	22
2384	A Precuneal Causal Loop Mediates External and Internal Information Integration in the Human Brain. Journal of Neuroscience, 2021, 41, 9944-9956.	1.7	18

#	Article	IF	Citations
2385	Unsupervised anomaly detection in MR images using multicontrast information. Medical Physics, 2021, 48, 7346-7359.	1.6	1
2386	When makes you unique: Temporality of the human brain fingerprint. Science Advances, 2021, 7, eabj0751.	4.7	54
2388	Revealing the Relevant Spatiotemporal Scale Underlying Whole-Brain Dynamics. Frontiers in Neuroscience, 2021, 15, 715861.	1.4	8
2389	Singleâ€shell NODDI using dictionaryâ€learnerâ€estimated isotropic volume fraction. NMR in Biomedicine, 2022, 35, e4628.	1.6	8
2390	Echo state network models for nonlinear Granger causality. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200256.	1.6	11
2391	Quantifying brain state transition cost via SchrÃ¶dinger Bridge. Network Neuroscience, 2022, 6, 118-134.	1.4	4
2392	Contribution of animal models toward understanding resting state functional connectivity. NeuroImage, 2021, 245, 118630.	2.1	27
2393	Activation of the default network during a theory of mind task predicts individual differences in agreeableness and social cognitive ability. Cognitive, Affective and Behavioral Neuroscience, 2022, 22, 383-402.	1.0	5
2395	Structure can predict function in the human brain: a graph neural network deep learning model of functional connectivity and centrality based on structural connectivity. Brain Structure and Function, 2022, 227, 331-343.	1.2	12
2396	Time-of-Day Effects in Resting-State Functional Magnetic Resonance Imaging: Changes in Effective Connectivity and Blood Oxygenation Level Dependent Signal. Brain Connectivity, 2022, 12, 515-523.	0.8	15
2398	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
2400	Cortical correlation structure of aperiodic neuronal population activity. NeuroImage, 2021, 245, 118672.	2.1	12
2401	The OpenNeuro resource for sharing of neuroscience data. ELife, 2021, 10, .	2.8	137
2403	What Are the Synergies between Paleoanthropology and Brain Imaging?. Symmetry, 2021, 13, 1974.	1.1	6
2404	Multivariate Analysis and Modelling of multiple Brain endOphenotypes: Letâ€™s MAMBO!. Computational and Structural Biotechnology Journal, 2021, 19, 5800-5810.	1.9	4
2405	MULTIMODAL HUMAN BRAIN LONGITUDINAL PARCELLATION ACROSS LIFESPAN. Journal of Mechanics in Medicine and Biology, 2021, 21, .	0.3	0
2406	A triple-network organization for the mouse brain. Molecular Psychiatry, 2022, 27, 865-872.	4.1	44
2407	Ethnoracial disparities in cognition are associated with multiple socioeconomic status-stress pathways. Cognitive Research: Principles and Implications, 2021, 6, 64.	1.1	13

#	Article	IF	Citations
2408	Modularity maximization as a flexible and generic framework for brain network exploratory analysis. NeuroImage, 2021, 244, 118607.	2.1	22
2409	Causal decoding of individual cortical excitability states. NeuroImage, 2021, 245, 118652.	2.1	17
2410	Machine learning prediction of cognition from functional connectivity: Are feature weights reliable?. NeuroImage, 2021, 245, 118648.	2.1	53
2411	Introduction to Natural and Artificial Neural Networks. , 2014, , 1-26.		0
2412	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. F1000Research, 2014, 3, 313.	0.8	1
2413	Coupled Stable Overlapping Replicator Dynamics for Multimodal Brain Subnetwork Identification. Lecture Notes in Computer Science, 2015, 24, 770-781.	1.0	5
2414	Finslerian Diffusion and the Blochâ€“Torrey Equation. Mathematics and Visualization, 2015, , 21-35.	0.4	0
2415	Iterative Subspace Screening for Rapid Sparse Estimation of Brain Tissue Microstructural Properties. Lecture Notes in Computer Science, 2015, 9349, 223-230.	1.0	2
2417	Measuring Asymmetric Interactions in Resting State Brain Networks. Lecture Notes in Computer Science, 2015, 24, 399-410.	1.0	2
2419	Adaptive Enhancement in Diffusion MRI Through Propagator Sharpening. Mathematics and Visualization, 2016, , 131-143.	0.4	2
2420	Deep Brain Stimulation for Neuropsychiatric Disorders. , 2016, , 499-516.		0
2421	Exploring Brain Networks via Structured Sparse Representation of fMRI Data. Lecture Notes in Computer Science, 2016, , 55-62.	1.0	0
2422	Modularity Reinforcement for Improving Brain Subnetwork Extraction. Lecture Notes in Computer Science, 2016, , 132-139.	1.0	1
2423	Future Brain Research and Neurotechnology. Japanese Journal of Neurosurgery, 2016, 25, 476-479.	0.0	0
2426	Opportunities and considerations for visualising neuroimaging data on very large displays. F1000Research, 2016, 5, 2157.	0.8	1
2430	Multi-way Regression Reveals Backbone of Macaque Structural Brain Connectivity in Longitudinal Datasets. Lecture Notes in Computer Science, 2017, , 424-432.	1.0	0
2431	Learning-Based Estimation of Functional Correlation Tensors in White Matter for Early Diagnosis of Mild Cognitive Impairment. Lecture Notes in Computer Science, 2017, 10530, 65-73.	1.0	0
2432	Population-Shrinkage of Covariance to Estimate Better Brain Functional Connectivity. Lecture Notes in Computer Science, 2017, , 460-468.	1.0	1

#	Article	IF	Citations
2433	â€œEvaluating Acquisition Time of rfMRI in the Human Connectome Project for Early Psychosis. How Much Is Enough?â€• Lecture Notes in Computer Science, 2017, , 108-115.	1.0	1
2434	An Introduction to Human Brain Evolutionary Studies. , 2017, , 1-18.		0
2435	Riccati-Regularized Precision Matrices for Neuroimaging. Lecture Notes in Computer Science, 2017, 10265, 275-286.	1.0	1
2438	Kernel-Regularized ICA for Computing Functional Topography from Resting-State fMRI. Lecture Notes in Computer Science, 2017, 10433, 373-381.	1.0	1
2441	White Matter Fiber Segmentation Using Functional Varifolds. Lecture Notes in Computer Science, 2017, , 92-100.	1.0	0
2442	q-Space Upsampling Using x-q Space Regularization. Lecture Notes in Computer Science, 2017, 10433, 620-628.	1.0	2
2461	Joint fMRI analysis and subject clustering using sparse dictionary learning. , 2017, , .		0
2472	General Functional Connectivity: Shared Features of Restingstate and Task FMRI Drive Reliable Individual Differences in Functional Brain Networks. SSRN Electronic Journal, 0, , .	0.4	0
2473	GIFE: Efficient and Robust Group-Wise Isometric Fiber Embedding. Lecture Notes in Computer Science, 2018, 11083, 20-28.	1.0	0
2474	The strength of functional connectivity between the frontoparietal and default mode systems correlates with behavioral performance on a variety of tasks in the Human Connectome Project. , 2018, , .		0
2475	Exploring Fiber Skeletons via Joint Representation of Functional Networks and Structural Connectivity. Lecture Notes in Computer Science, 2018, , 357-366.	1.0	0
2476	Hierarchical nonlinear embedding reveals brain states and performance differences during working memory tasks. , 2018, , .		0
2477	Distinct Sets of Internal, External, and Control Connector Hubs Integrate Human Brain Function. SSRN Electronic Journal, 0, , .	0.4	1
2479	Multi-Modal Analysis of Genetically-Related Subjects Using SIFT Descriptors in Brain MRI. Mathematics and Visualization, 2018, , 219-228.	0.4	1
2481	Connectivity-Driven Brain Parcellation via Consensus Clustering. Lecture Notes in Computer Science, 2018, , 117-126.	1.0	0
2485	Extrapolated nonnegative decompositions for the analysis of functional connectivity. , 2018, , .		0
2488	High resolution robust and smooth precision matrices to capture functional connectivity. , 2018, , .		0
2502	A Computer Science Perspective on Models of the Mind. Advances in Intelligent Systems and Computing, 2019, , 759-772.	0.5	0

#	Article	IF	Citations
2503	Active Acquisition for multimodal neuroimaging. Wellcome Open Research, 2018, 3, 145.	0.9	2
2506	Using Algorithmic Complexity to Differentiate Cognitive States in fMRI. Studies in Computational Intelligence, 2019, , 663-674.	0.7	2
2510	Combining Multiple Behavioral Measures and Multiple Connectomes via Multipath Canonical Correlation Analysis. Lecture Notes in Computer Science, 2019, , 772-780.	1.0	0
2511	q-Space Learning with Synthesized Training Data. Mathematics and Visualization, 2019, , 123-132.	0.4	6
2513	Probing Brain Micro-architecture by Orientation Distribution Invariant Identification of Diffusion Compartments. Lecture Notes in Computer Science, 2019, 11766, 547-555.	1.0	6
2515	Functional Decoding using Convolutional Networks on Brain Graphs. , 2019, , .		0
2516	Mapping the Spatio-Temporal Functional Coherence in the Resting Brain. Lecture Notes in Computer Science, 2019, , 39-48.	1.0	0
2518	Test-Retest Reliability of Functional Networks for Evaluation of Data-Driven Parcellation. Lecture Notes in Computer Science, 2019, , 95-105.	1.0	3
2519	Low-Rank Learning of Functional Connectivity Reveals Neural Traits of Individual Differences. , 2019, , 183-203.		0
2524	Sparse low-dimensional causal modeling for the analysis of brain function. , 2019, , .		2
2525	Regularized topological data analysis for extraction of coherent brain regions. , 2019, , .		0
2555	Active Acquisition for multimodal neuroimaging. Wellcome Open Research, 2018, 3, 145.	0.9	4
2558	Magnetic Resonance Imaging and Analysis in Multiple Sclerosis. Current Clinical Neurology, 2020, , 109-136.	0.1	3
2573	Multi-modal Image Prediction via Spatial Hybrid U-Net. Lecture Notes in Computer Science, 2020, , 1-9.	1.0	0
2574	Dynamic Functional Connectivity Captures Individualsâ€™ Unique Brain Signatures. Lecture Notes in Computer Science, 2020, , 97-106.	1.0	1
2575	Large-Scale Unbiased Neuroimage Indexing via 3D GPU-SIFT Filtering andÂKeypoint Masking. Lecture Notes in Computer Science, 2020, , 108-118.	1.0	1
2576	Predictive Models for Functional MRI Data. Open Journal of Statistics, 2020, 10, 1-9.	0.3	0
2602	Functional Requirements of Small- and Large-Scale Neural Circuitry Connectome Models. , 2021, , 249-260.		0

#	Article	IF	Citations
2607	Resolving the Connectome, Spectrally-Specific Functional Connectivity Networks and Their Distinct Contributions to Behavior. ENeuro, 2020, 7, ENEURO.0101-20.2020.	0.9	6
2610	Mental health in the UK Biobank: A roadmap to selfâ€report measures and neuroimaging correlates. Human Brain Mapping, 2022, 43, 816-832.	1.9	23
2611	Convergence, preliminary findings and future directions across the four human connectome projects investigating mood and anxiety disorders. NeuroImage, 2021, 245, 118694.	2.1	2
2612	A multi-measure approach for assessing the performance of fMRI preprocessing strategies in resting-state functional connectivity. Magnetic Resonance Imaging, 2022, 85, 228-250.	1.0	9
2614	Same Brain, Different Look?â€"The Impact of Scanner, Sequence and Preprocessing on Diffusion Imaging Outcome Parameters. Journal of Clinical Medicine, 2021, 10, 4987.	1.0	14
2615	Integrative Models of Brain Structure and Dynamics: Concepts, Challenges, and Methods. Frontiers in Neuroscience, 2021, 15, 752332.	1.4	14
2618	Comparative connectomics of the primate social brain. NeuroImage, 2021, 245, 118693.	2.1	23
2619	3D hemisphere-based convolutional neural network for whole-brain MRI segmentation. Computerized Medical Imaging and Graphics, 2022, 95, 102000.	3.5	12
2620	Contributions of parasympathetic arousal-related activity to cognitive performance in First Episode Psychosis patients and controls. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, , .	1.1	2
2621	Fully automated quality control of rigid and affine registrations of T1w and T2w MRI in big data using machine learning. Computers in Biology and Medicine, 2021, 139, 104997.	3.9	4
2622	Numerical uncertainty in analytical pipelines lead to impactful variability in brain networks. PLoS ONE, 2021, 16, e0250755.	1.1	4
2623	A graph-based approach for representing, integrating and analysing neuroscience data: the case of the murine basal ganglia. Data Technologies and Applications, 2021, ahead-of-print, .	0.9	1
2630	Association of aerobic glycolysis with the structural connectome reveals a benefitâ€"risk balancing mechanism in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2013232118.	3.3	5
2636	Perceived stress, self-efficacy, and the cerebral morphometric markers in binge-drinking young adults. NeuroImage: Clinical, 2021, 32, 102866.	1.4	5
2637	Efficient Pairwise Neuroimage Analysis Using the Soft Jaccard Index and 3D Keypoint Sets. IEEE Transactions on Medical Imaging, 2022, 41, 836-845.	5.4	1
2638	AutoAtlas: Neural Network for 3D Unsupervised Partitioning and Representation Learning. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2180-2191.	3.9	0
2639	Quantitative characterization of the human retinotopic map based on quasiconformal mapping. Medical Image Analysis, 2022, 75, 102230.	7.0	7
2640	Propagation patterns in motor neuron diseases: Individual and phenotype-associated disease-burden trajectories across the UMN-LMN spectrum of MNDs. Neurobiology of Aging, 2022, 109, 78-87.	1.5	17

#	Article	IF	Citations
2641	TractEM: Evaluation of protocols for deterministic tractography white matter atlas. Magnetic Resonance Imaging, 2022, 85, 44-56.	1.0	1
2642	Neural Models for Brain Networks Connectivity Analysis. Lecture Notes in Computer Science, 2020, , 212-226.	1.0	1
2643	Graph Signal Processing, Graph Neural Network and Graph Learning on Biological Data: A Systematic Review. IEEE Reviews in Biomedical Engineering, 2023, 16, 109-135.	13.1	16
2649	Towards an Integration of Information Gleaned from Neuroimaging in Schizophrenia. , 2020, , 427-437.		0
2650	Predicting Clinical Outcome of Stroke Patients with Tractographic Feature. Lecture Notes in Computer Science, 2020, 11992, 32-43.	1.0	4
2651	Functional Magnetic Resonance Imaging. , 2020, , 331-348.		0
2652	Characterizing Intra-soma Diffusion with Spherical Mean Spectrum Imaging. Lecture Notes in Computer Science, 2020, 12267, 354-363.	1.0	3
2653	Joint Reconstruction and Bias Field Correction for Undersampled MR Imaging. Lecture Notes in Computer Science, 2020, , 44-52.	1.0	4
2654	Modeling Fiber Orientations Using Diffusion MRI. Advances in Magnetic Resonance Technology and Applications, 2020, 1, 509-532.	0.0	0
2656	Optimized Response Function Estimation for Spherical Deconvolution. Mathematics and Visualization, 2020, , 25-34.	0.4	0
2667	A Stem-Based Dissection of Inferior Fronto-Occipital Fasciculus with A Deep Learning Model. , 2020, , .		4
2671	Modular origins of high-amplitude cofluctuations in fine-scale functional connectivity dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	37
2672	Sensory-motor cortices shape functional connectivity dynamics in the human brain. Nature Communications, 2021, 12, 6373.	5.8	48
2675	Functional Gradients of the Cerebellum: a Review of Practical Applications. Cerebellum, 2022, 21, 1061-1072.	1.4	11
2679	Brain kernel: A new spatial covariance function for fMRI data. NeuroImage, 2021, 245, 118580.	2.1	1
2692	Adults vs. neonates: Differentiation of functional connectivity between the basolateral amygdala and occipitotemporal cortex. PLoS ONE, 2020, 15, e0237204.	1.1	5
2708	Neuroimaging Biomarkers for Psychosis. Current Behavioral Neuroscience Reports, 2015, 2015, 1-10.	0.6	9
2710	Heritability estimates on resting state fMRI data using ENIGMA analysis pipeline. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 307-318.	0.7	14

#	Article	IF	Citations
2711	Big data in healthcare - the promises, challenges and opportunities from a research perspective: A case study with a model database. AMIA ... Annual Symposium proceedings, 2017, 2017, 384-392.	0.2	28
2712	Brain Tissue Segmentation Based on Diffusion MRI Using â„“ Sparse-Group Representation Classification. , 2015, 9351, 132-139.		3
2713	Surface-based Tracking of U-fibers in the Superficial White Matter. , 2019, 11766, 538-546.		0
2714	Distributed Weight Consolidation: A Brain Segmentation Case Study. Advances in Neural Information Processing Systems, 2018, 31, 4093-4103.	2.8	4
2715	Flow-based Generative Models for Learning Manifold to Manifold Mappings. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 11042-11052.	3.6	0
2716	Macroscopic Structural and Connectome Mapping of the Mouse Brain Using Diffusion Magnetic Resonance Imaging. Bio-protocol, 2021, 11, e4221.	0.2	7
2717	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	3.7	18
2718	Towards data-driven group inferences of resting-state fMRI data in rodents: Comparison of group ICA, GIG-ICA, and IVA-GL. Journal of Neuroscience Methods, 2022, 366, 109411.	1.3	5
2719	Parcellation-Free prediction of task fMRI activations from dMRI tractography. Medical Image Analysis, 2022, 76, 102317.	7.0	2
2720	Multi-task learning based structured sparse canonical correlation analysis for brain imaging genetics. Medical Image Analysis, 2022, 76, 102297.	7.0	13
2721	TE-HI-GCN: An Ensemble of Transfer Hierarchical Graph Convolutional Networks for Disorder Diagnosis. Neuroinformatics, 2022, 20, 353-375.	1.5	17
2722	Brain research challenges supercomputing. Science, 2021, 374, 1054-1055.	6.0	10
2724	CHIASM, the human brain albinism and achiasma MRI dataset. Scientific Data, 2021, 8, 308.	2.4	6
2727	Test-retest reliability of regression dynamic causal modeling. Network Neuroscience, 2022, 6, 135-160.	1.4	7
2728	A regression framework for brain network distance metrics. Network Neuroscience, 2022, 6, 49-68.	1.4	6
2729	White matter association tracts underlying language and theory of mind: An investigation of 809 brains from the Human Connectome Project. NeuroImage, 2022, 246, 118739.	2.1	18
2731	Learning a preconditioner to accelerate compressed sensing reconstructions in MRI. Magnetic Resonance in Medicine, 2021, , .	1.9	2
2732	Towards an Architecture of a Multi-purpose, User-Extendable Reference Human Brain Atlas. Neuroinformatics, 2022, 20, 405-426.	1.5	5

#	Article	IF	Citations
2733	Evaluating the Reliability of Human Brain White Matter Tractometry. , 2021, 2021, .		27
2734	Standardizing workflows in imaging transcriptomics with the abagen toolbox. ELife, 2021, 10, .	2.8	140
2735	Multisite reproducibility and test-retest reliability of the T1w/T2w-ratio: A comparison of processing methods. NeuroImage, 2021, 245, 118709.	2.1	17
2736	Disentangling cortical functional connectivity strength and topography reveals divergent roles of genes and environment. NeuroImage, 2022, 247, 118770.	2.1	9
2739	Shared functional connections within and between cortical networks predict cognitive abilities in adult males and females. Human Brain Mapping, 2022, 43, 1087-1102.	1.9	11
2740	The Role of the Human Brain Neuronâ€“Gliaâ€“Synapse Composition in Forming Resting-State Functional Connectivity Networks. Brain Sciences, 2021, 11, 1565.	1.1	6
2741	Analyses of microstructural variation in the human striatum using non-negative matrix factorization. NeuroImage, 2022, 246, 118744.	2.1	17
2742	Statistical testing in transcriptomicâ€neuroimaging studies: A howâ€to and evaluation of methods assessing spatial and gene specificity. Human Brain Mapping, 2022, 43, 885-901.	1.9	24
2743	Foundations of Time Series Analysis. Acta Neurochirurgica Supplementum, 2022, 134, 215-220.	0.5	1
2744	Functional Topography of the Human Subthalamic Nucleus: Relevance for Subthalamotomy in Parkinson's Disease. Movement Disorders, 2022, 37, 279-290.	2.2	23
2745	Graph auto-encoding brain networks with applications to analyzing large-scale brain imaging datasets. NeuroImage, 2021, 245, 118750.	2.1	6
2746	Handedness and midsagittal corpus callosum morphology: a meta-analytic evaluation. Brain Structure and Function, 2022, 227, 545-559.	1.2	8
2747	Resting state functional connectivity in pediatric populations. Advances in Magnetic Resonance Technology and Applications, 2021, 2, 65-87.	0.0	0
2748	The effective connectivity of the human hippocampal memory system. Cerebral Cortex, 2022, 32, 3706-3725.	1.6	28
2750	Few-Shot Domain-Adaptive Anomaly Detection for Cross-Site Brain Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2024, 46, 1819-1835.	9.7	8
2751	Multitask brain network reconfiguration is inversely associated with human intelligence. Cerebral Cortex, 2022, 32, 4172-4182.	1.6	19
2754	Incorporating outlier information into diffusion-weighted MRI modeling for robust microstructural imaging and structural brain connectivity analyses. NeuroImage, 2022, 247, 118802.	2.1	3
2755	Predicting behavior through dynamic modes in resting-state fMRI data. NeuroImage, 2022, 247, 118801.	2.1	8

#	Article	IF	Citations
2756	NeuroGen: Activation optimized image synthesis for discovery neuroscience. NeuroImage, 2022, 247, 118812.	2.1	10
2757	Dementia ConnEEGtome: Towards multicentric harmonization of EEG connectivity in neurodegeneration. International Journal of Psychophysiology, 2022, 172, 24-38.	0.5	19
2758	Individual Discriminative Ability of Resting Functional Brain Connectivity is Susceptible to the Time Span of MRI Scans. Neuroscience, 2022, 482, 43-52.	1.1	2
2759	Towards the understanding of state-independent neural traits underlying psychiatric disorders. Neuroscience and Biobehavioral Reviews, 2022, 133, 104515.	2.9	2
2760	White Matter Connectivity between Structures of the Basal Ganglia using 3T and 7T. Neuroscience, 2022, 483, 32-39.	1.1	0
2761	Extensive cortical functional connectivity of the human hippocampal memory system. Cortex, 2022, 147, 83-101.	1.1	20
2762	Predicting individual task contrasts from restingâ€state functional connectivity using a surfaceâ€based convolutional network. NeuroImage, 2022, 248, 118849.	2.1	12
2763	A protocol for working with open-source neuroimaging datasets. STAR Protocols, 2022, 3, 101077.	0.5	0
2764	Mapping the human corticoreticular pathway with multimodal delineation of the gigantocellular reticular nucleus and high-resolution diffusion tractography. Journal of the Neurological Sciences, 2022, 434, 120091.	0.3	8
2765	The human mediodorsal thalamus: Organization, connectivity, and function. NeuroImage, 2022, 249, 118876.	2.1	17
2766	Lower resting brain entropy is associated with stronger task activation and deactivation. NeuroImage, 2022, 249, 118875.	2.1	11
2767	PRAGMA: Interactively Constructing Functional Brain Parcellations. , 2020, , .		0
2768	High-quality real-time raycasting and raytracing of streamtubes with sparse voxel octrees. , 2020, , .		1
2770	Functional Brain Imaging of Intelligence. , 2021, , 235-260.		1
2771	Automatic Artifact Removal of Resting-State fMRI with Deep Neural Networks. , 2021, , .		0
2772	Segmentation of Temporomandibular Condyle in MR images using Marker-Controlled Watershed and Random Walks. , 2021, , .		1
2773	Cortical Surface-Informed Volumetric Spatial Smoothing of fMRI Data via Graph Signal Processing. , 2021, 2021, 3804-3808.		2
2774	Mapping cortical disease-burden at individual-level in frontotemporal dementia: implications for clinical care and pharmacological trials. Brain Imaging and Behavior, 2022, 16, 1196-1207.	1.1	7

#	Article	IF	Citations
2776	Latent functional connectivity underlying multiple brain states. Network Neuroscience, 2022, 6, 570-590.	1.4	16
2777	NOWinBRAIN: a Large, Systematic, and Extendable Repository of 3D Reconstructed Images of a Living Human Brain Cum Head and Neck. Journal of Digital Imaging, 2022, 35, 98-114.	1.6	7
2778	Scan-Specific Generative Neural Network for MRI Super-Resolution Reconstruction. IEEE Transactions on Medical Imaging, 2022, 41, 1383-1399.	5.4	15
2779	Asymmetries around the visual field: From retina to cortex to behavior. PLoS Computational Biology, 2022, 18, e1009771.	1.5	24
2780	Automatic oculomotor nerve identification based on <scp>dataâ€driven</scp> fiber clustering. Human Brain Mapping, 2022, 43, 2164-2180.	1.9	3
2781	White matter diffusivity and its correlations to state measures of psychopathology in male refugees with posttraumatic stress disorder. NeuroImage: Clinical, 2022, 33, 102929.	1.4	3
2782	Multi-dynamic modelling reveals strongly time-varying resting fMRI correlations. Medical Image Analysis, 2022, 77, 102366.	7.0	10
2783	Normalizing the brain connectome for communication through synchronization. Network Neuroscience, 2022, 6, 722-744.	1.4	9
2784	Super-Resolution of 3D Brain MRI With Filter Learning Using Tensor Feature Clustering. IEEE Access, 2022, 10, 4957-4968.	2.6	2
2791	AM-UNet: automated mini 3D end-to-end U-net based network for brain claustrum segmentation. Multimedia Tools and Applications, 2022, 81, 36171-36194.	2.6	8
2794	Investigation of biases in convolutional neural networks for semantic segmentation using performance sensitivity analysis. Zeitschrift Fur Medizinische Physik, 2022, 32, 346-360.	0.6	2
2796	Effects of sex and age on presumed inhibitory interactions in 6 areas of the human cerebral cortex as revealed by the fMRI Human Connectome Project. Experimental Brain Research, 2022, 240, 969-979.	0.7	3
2797	Tailored magnetic resonance fingerprinting for simultaneous nonâ€synthetic and quantitative imaging: A repeatability study. Medical Physics, 2022, 49, 1673-1685.	1.6	6
2798	Frequency-Resolved Connectome Hubs and Their Test-Retest Reliability in the Resting Human Brain. Neuroscience Bulletin, 2022, 38, 519-532.	1.5	2
2799	Brain functional connectivity during and after imagery of gaming and alternative leisure activities in patients with internet gaming disorder. Neuroscience Letters, 2022, 772, 136451.	1.0	1
2800	Functional hybrid factor regression model for handling heterogeneity in imaging studies. Biometrika, 2022, 109, 1133-1148.	1.3	4
2801	Maximizing Brain Health After Hemorrhagic Stroke: Bugher Foundation Centers of Excellence. Stroke, 2022, , STROKEAHA121036197.	1.0	0
2802	Effects of diffusion signal modeling and segmentation approaches on subthalamic nucleus parcellation. NeuroImage, 2022, 250, 118959.	2.1	3

#	Article	IF	Citations
2803	Weak task synchronization of default mode network in task based paradigms. NeuroImage, 2022, 251, 118940.	2.1	3
2805	Distinct Brain Mechanisms for Conflict Adaptation within and across Conflict Types. Journal of Cognitive Neuroscience, 2022, 34, 445-460.	1.1	2
2806	Spatial Bayesian GLM on the cortical surface produces reliable task activations in individuals and groups. NeuroImage, 2022, 249, 118908.	2.1	9
2807	Advancing motion denoising of multiband resting-state functional connectivity fMRI data. NeuroImage, 2022, 249, 118907.	2.1	5
2808	ciftiTools: A package for reading, writing, visualizing, and manipulating CIFTI files in R. NeuroImage, 2022, 250, 118877.	2.1	17
2809	On co-activation pattern analysis and non-stationarity of resting brain activity. NeuroImage, 2022, 249, 118904.	2.1	24
2810	Connectome spatial smoothing (CSS): Concepts, methods, and evaluation. NeuroImage, 2022, 250, 118930.	2.1	5
2811	Moment-based representation of the diffusion inside the brain from reduced DMRI acquisitions: Generalized AMURA. Medical Image Analysis, 2022, 77, 102356.	7.0	4
2812	Shared genetic effects of emotion and subcortical volumes in healthy adults. NeuroImage, 2022, 249, 118894.	2.1	3
2813	Volumetric segmentation of white matter tracts with label embedding. NeuroImage, 2022, 250, 118934.	2.1	9
2814	The human orbitofrontal cortex, vmPFC, and anterior cingulate cortex effective connectome: emotion, memory, and action. Cerebral Cortex, 2022, 33, 330-356.	1.6	43
2815	Genetic Influence Underlying Brain Connectivity Phenotype: A Study on Two Age-Specific Cohorts. Frontiers in Genetics, 2021, 12, 782953.	1.1	0
2817	The spectrum of data sharing policies in neuroimaging data repositories. Human Brain Mapping, 2022, 43, 2707-2721.	1.9	24
2820	Study protocol: retrospectively mining multisite clinical data to presymptomatically predict seizure onset for individual patients with Sturge-Weber. BMJ Open, 2022, 12, e053103.	0.8	2
2821	Managing, storing, and sharing long-form recordings and their annotations. Language Resources and Evaluation, 0, , 1.	1.8	0
2822	Brain Connectivity and Network Analysis in Amyotrophic Lateral Sclerosis. Neurology Research International, 2022, 2022, 1-20.	0.5	8
2823	Multimodal MRI reveals alterations of the anterior insula and posterior cingulate cortex in bipolar II disorders: A surface-based approach. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 116, 110533.	2.5	6
2824	Cell type-specific manifestations of cortical thickness heterogeneity in schizophrenia. Molecular Psychiatry, 2022, 27, 2052-2060.	4.1	29

#	Article	IF	Citations
2826	Mapping dopaminergic projections in the human brain with resting-state fMRI. ELife, 2022, 11, .	2.8	9
2827	Network Analysis of Time Series: Novel Approaches to Network Neuroscience. Frontiers in Neuroscience, 2021, 15, 787068.	1.4	12
2828	Deep learning models for triaging hospital head MRI examinations. Medical Image Analysis, 2022, 78, 102391.	7.0	10
2829	Structural brain differences do not mediate the relations between sex and personality or psychopathology. Journal of Personality, 2022, , .	1.8	1
2830	Avalanche criticality in individuals, fluid intelligence, and working memory. Human Brain Mapping, 2022, 43, 2534-2553.	1.9	9
2831	Protocol for activity flow mapping of neurocognitive computations using the Brain Activity Flow Toolbox. STAR Protocols, 2022, 3, 101094.	0.5	1
2832	Brain structure-function coupling provides signatures for task decoding and individual fingerprinting. NeuroImage, 2022, 250, 118970.	2.1	37
2833	Cortico-subcortical interactions in overlapping communities of edge functional connectivity. NeuroImage, 2022, 250, 118971.	2.1	14
2834	A massive 7T fMRI dataset to bridge cognitive neuroscience and artificial intelligence. Nature Neuroscience, 2022, 25, 116-126.	7.1	129
2835	Broken detailed balance and entropy production in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	65
2838	Deep Graph Translation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8225-8234.	7.2	15
2839	CDPA: Common and distinctive pattern analysis between high-dimensional datasets. Electronic Journal of Statistics, 2022, 16, .	0.4	0
2840	Multilayer Functional Connectome Fingerprints: Individual Identification via Multimodal Convolutional Neural Network. Intelligent Automation and Soft Computing, 2022, 33, 1501-1516.	1.6	1
2841	AutoSeg - Steering the Inductive Biases for Automatic Pathology Segmentation. Lecture Notes in Computer Science, 2022, , 127-135.	1.0	1
2845	Functional connectivity of fMRI using differential covariance predicts structural connectivity and behavioral reaction times. Network Neuroscience, 2022, 6, 614-633.	1.4	2
2846	Linking Brain Structure, Activity, and Cognitive Function through Computation. ENeuro, 2022, 9, ENEURO.0316-21.2022.	0.9	22
2848	From temporal to spatial topography: hierarchy of neural dynamics in higher- and lower-order networks shapes their complexity. Cerebral Cortex, 2022, 32, 5637-5653.	1.6	11
2850	Nonuniformity of Whole-Cerebral Neural Resource Allocation, a Neuromarker of the Broad-Task Attention. ENeuro, 2022, 9, ENEURO.0358-21.2022.	0.9	0

#	Article	IF	Citations
2851	There is a topographic organization in human cortico-pontine connectivity. Brain Communications, 2022, 4, fcac047.	1.5	3
2856	Decoding task specific and task general functional architectures of the brain. Human Brain Mapping, 2022, 43, 2801-2816.	1.9	4
2857	Deep rTMS of the insula and prefrontal cortex in smokers with schizophrenia: Proof-of-concept study. NPJ Schizophrenia, 2022, 8, 6.	2.0	7
2859	Assessing the Reliability of Template-Based Clustering for Tractography in Healthy Human Adults. Frontiers in Neuroinformatics, 2022, 16, 777853.	1.3	1
2860	Functional cortical associations and their intraclass correlations and heritability as revealed by the fMRI Human Connectome Project. Experimental Brain Research, 2022, 240, 1459-1469.	0.7	1
2861	The hidden community architecture of human brain networks. Scientific Reports, 2022, 12, 3540.	1.6	1
2863	Caltech Conte Center, a multimodal data resource for exploring social cognition and decision-making. Scientific Data, 2022, 9, 138.	2.4	1
2864	The Digital Brain Bank, an open access platform for post-mortem imaging datasets. ELife, 2022, 11, .	2.8	22
2866	FAIRly big: A framework for computationally reproducible processing of large-scale data. Scientific Data, 2022, 9, 80.	2.4	13
2867	The role of artificial intelligence in paediatric neuroradiology. Pediatric Radiology, 2022, 52, 2159-2172.	1.1	8
2868	Reproducible brain-wide association studies require thousands of individuals. Nature, 2022, 603, 654-660.	13.7	842
2869	Post mortem mapping of connectional anatomy for the validation of diffusion MRI. NeuroImage, 2022, 256, 119146.	2.1	47
2870	Brain connectivity fingerprinting and behavioural prediction rest on distinct functional systems of the human connectome. Communications Biology, 2022, 5, 261.	2.0	15
2872	Leveraging the power of media to drive cognition: a media-informed approach to naturalistic neuroscience. Social Cognitive and Affective Neuroscience, 2022, 17, 598-608.	1.5	20
2874	Uncovering Cortical Units of Processing From Multi-Layered Connectomes. Frontiers in Neuroscience, 2022, 16, 836259.	1.4	0
2876	Cross-ethnicity/race generalization failure of behavioral prediction from resting-state functional connectivity. Science Advances, 2022, 8, eabj1812.	4.7	45
2877	Diffeomorphic registration for retinotopic maps of multiple visual regions. Brain Structure and Function, 2022, 227, 1507-1522.	1.2	3
2878	Towards an efficient validation of dynamical whole-brain models. Scientific Reports, 2022, 12, 4331.	1.6	5

#	Article	IF	Citations
2880	Functional Connectivity of the Brain Across Rodents and Humans. Frontiers in Neuroscience, 2022, 16, 816331.	1.4	22
2881	A mixed-modeling framework for whole-brain dynamic network analysis. Network Neuroscience, 2022, 6, 591-613.	1.4	0
2882	Trends and hot topics in radiology, nuclear medicine and medical imaging from 2011â€“2021: a bibliometric analysis of highly cited papers. Japanese Journal of Radiology, 2022, 40, 847-856.	1.0	8
2883	Typical and disrupted brain circuitry for conscious awareness in full-term and preterm infants. Brain Communications, 2022, 4, fcac071.	1.5	10
2884	A connectome-based neuromarker of nonverbal number acuity and arithmetic skills. Cerebral Cortex, 2023, 33, 881-894.	1.6	5
2885	Long-term changes in functional connectivity improve prediction of responses to intracranial stimulation of the human brain. Journal of Neural Engineering, 2022, 19, 026006.	1.8	0
2886	Cyto/myeloarchitecture of cortical gray matter and superficial white matter in early neurodevelopment: multimodal MRI study in preterm neonates. Cerebral Cortex, 2022, 33, 357-373.	1.6	3
2887	Metaâ€analytic evidence for downregulation of the amygdala during working memory maintenance. Human Brain Mapping, 2022, 43, 2951-2971.	1.9	7
2888	Recent Technical Advances in Accelerating the Clinical Translation of Small Animal Brain Imaging: Hybrid Imaging, Deep Learning, and Transcriptomics. Frontiers in Medicine, 2022, 9, 771982.	1.2	10
2889	A brain-based general measure of attention. Nature Human Behaviour, 2022, 6, 782-795.	6.2	12
2890	Counterfactual Explanation of Brain Activity Classifiers Using Image-To-Image Transfer by Generative Adversarial Network. Frontiers in Neuroinformatics, 2021, 15, 802938.	1.3	1
2891	Impact of defacing on automated brain atrophy estimation. Insights Into Imaging, 2022, 13, 54.	1.6	7
2892	Social cognitive network neuroscience. Social Cognitive and Affective Neuroscience, 2022, 17, 510-529.	1.5	8
2893	Spectral Fingerprints of Cortical Neuromodulation. Journal of Neuroscience, 2022, 42, 3836-3846.	1.7	5
2895	Domain Selection and Familywise Error Rate for Functional Data: A Unified Framework. Biometrics, 2023, 79, 1119-1132.	0.8	1
2896	Open multimodal iEEG-fMRI dataset from naturalistic stimulation with a short audiovisual film. Scientific Data, 2022, 9, 91.	2.4	10
2898	Neuromatch Academy: a 3-week, online summer school in computational neuroscience. The Journal of Open Source Education, 2022, 5, 118.	0.2	0
2899	Dynamic changes in brain lateralization correlate with human cognitive performance. PLoS Biology, 2022, 20, e3001560.	2.6	19

#	Article	IF	Citations
2900	On the intersection between data quality and dynamical modelling of large-scale fMRI signals. NeuroImage, 2022, 256, 119051.	2.1	11
2901	Converting sounds to meaning with ventral semantic language networks: integration of interdisciplinary data on brain connectivity, direct electrical stimulation and clinical disconnection syndromes. Brain Structure and Function, 2022, 227, 1545-1564.	1.2	8
2904	A model-based approach to assess reproducibility for large-scale high-throughput MRI-based studies. NeuroImage, 2022, 255, 119166.	2.1	3
2907	Relationship Between TSH Levels and Cognition in the Young Adult: An Analysis of the Human Connectome Project Data. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 1897-1905.	1.8	1
2908	Functional connectomes incorporating phase synchronization for the characterization and prediction of individual differences. Journal of Neuroscience Methods, 2022, 372, 109539.	1.3	0
2909	DG-GRU: dynamic graph based gated recurrent unit for age and gender prediction using brain imaging. , 2022, , .		1
2910	Linking interindividual variability in brain structure to behaviour. Nature Reviews Neuroscience, 2022, 23, 307-318.	4.9	76
2912	Connectivity-based Cortical Parcellation via Contrastive Learning on Spatial-Graph Convolution. BME Frontiers, 2022, 2022, .	2.2	1
2913	Graph analysis of nonlinear fMRI connectivity dynamics reveals distinct brain network configurations for integrative and segregated information processing. Nonlinear Dynamics, 2022, 108, 4287-4299.	2.7	3
2914	Control theory illustrates the energy efficiency in the dynamic reconfiguration of functional connectivity. Communications Biology, 2022, 5, 295.	2.0	7
2915	Dynamic Structural Brain Changes in Anorexia Nervosa: A Replication Study, Mega-analysis, and Virtual Histology Approach. Journal of the American Academy of Child and Adolescent Psychiatry, 2022, 61, 1168-1181.	0.3	15
2916	Discovering hidden brain network responses to naturalistic stimuli via tensor component analysis of multi-subject fMRI data. NeuroImage, 2022, 255, 119193.	2.1	1
2918	An Anisotropic 4D Filtering Approach to Recover Brain Activation From Paradigm-Free Functional MRI Data. , 2022, 1, .		2
2919	Individualized event structure drives individual differences in whole-brain functional connectivity. NeuroImage, 2022, 252, 118993.	2.1	46
2920	Neurite dispersion and density mediates the relationship between cardiorespiratory fitness and cognition in healthy younger adults. Neuropsychologia, 2022, 169, 108207.	0.7	4
2921	A hybrid high-resolution anatomical MRI atlas with sub-parcellation of cortical gyri using resting fMRI. Journal of Neuroscience Methods, 2022, 374, 109566.	1.3	19
2922	A DICCCOL-based K-nearest landmark detection method for identifying common and consistent 3-hinge gyral folding landmarks. Chaos, Solitons and Fractals, 2022, 158, 112018.	2.5	3
2923	Mixed-dictionary models and variational inference in task fMRI for shorter scans and better image quality. Medical Image Analysis, 2022, 78, 102392.	7.0	0

#	Article	IF	Citations
2924	Anxiety and amygdala connectivity during movie-watching. Neuropsychologia, 2022, 169, 108194.	0.7	4
2925	Data and model considerations for estimating time-varying functional connectivity in fMRI. NeuroImage, 2022, 252, 119026.	2.1	8
2926	An open access resource for functional brain connectivity from fully awake marmosets. NeuroImage, 2022, 252, 119030.	2.1	23
2927	Brain connectivity at rest predicts individual differences in normative activity during movie watching. NeuroImage, 2022, 253, 119100.	2.1	9
2928	A framework For brain atlases: Lessons from seizure dynamics. NeuroImage, 2022, 254, 118986.	2.1	20
2929	FOD-Net: A deep learning method for fiber orientation distribution angular super resolution. Medical Image Analysis, 2022, 79, 102431.	7.0	9
2930	Fiber tracing and microstructural characterization among audiovisual integration brain regions in neonates compared with young adults. NeuroImage, 2022, 254, 119141.	2.1	3
2931	VRfRNet: Volumetric ROI fODF reconstruction network for estimation of multi-tissue constrained spherical deconvolution with only single shell dMRI. Magnetic Resonance Imaging, 2022, 90, 1-16.	1.0	5
2932	Effects of virtual lesions on temporal dynamics in cortical networks based on personalized dynamic models. NeuroImage, 2022, 254, 119087.	2.1	2
2933	Evidence of discontinuity between psychosis-risk and non-clinical samples in the neuroanatomical correlates of social function. Schizophrenia Research: Cognition, 2022, 29, 100252.	0.7	0
2934	Biological Gender Classification from fMRI via Hyperdimensional Computing. , 2021, , .		5
2935	Improved Simultaneous Multi-Slice Functional MRI Using Self-supervised Deep Learning. , 2021, , .		6
2936	20-fold Accelerated 7T fMRI Using Referenceless Self-Supervised Deep Learning Reconstruction. , 2021, 2021, 3765-3769.		10
2937	Effect of Modulating fMRI Time-Series on Fluid Ability and Fluid Intelligence for Healthy Humans. , 2021, 2021, 6070-6073.		0
2938	A CNN and LSTM Network for Eye-Blink Classification from MRI Scanner Monitoring Videos. , 2021, 2021, 3463-3466.		1
2940	Mitigating site effects in covariance for machine learning in neuroimaging data. Human Brain Mapping, 2022, 43, 1179-1195.	1.9	49
2942	Outlier detection in multimodal <scp>MRI</scp> identifies rare individual phenotypes among more than 15,000 brains. Human Brain Mapping, 2022, 43, 1766-1782.	1.9	3
2943	Testâ€“Retest Reliability of Synchrony and Metastability in Resting State fMRI. Brain Sciences, 2022, 12, 66.	1.1	6

#	Article	IF	Citations
2944	Embedding Functional Brain Networks in Low Dimensional Spaces Using Manifold Learning Techniques. Frontiers in Neuroinformatics, 2021, 15, 740143.	1.3	5
2945	A Multi-Layer Random Walk Method for Local Dynamic Community Detection in Brain Functional Network. , 2021, , .		0
2947	The neural correlates of working memory training in typically developing children. Child Development, 2022, 93, 815-830.	1.7	3
2950	Neuroimaging brain growth charts: A road to mental health. Psychoradiology, 2021, 1, 272-286.	1.0	9
2951	How Can High-Frequency Sensors Capture Collaboration? A Review of the Empirical Links between Multimodal Metrics and Collaborative Constructs. Sensors, 2021, 21, 8185.	2.1	12
2952	Gyral hinges account for the highest cost and the highest communication capacity in a corticocortical network. Cerebral Cortex, 2022, 32, 3359-3376.	1.6	6
2953	Gene expression associated with individual variability in intrinsic functional connectivity. NeuroImage, 2021, 245, 118743.	2.1	8
2954	Control of noise-induced coherent oscillations in three-neuron motifs. Cognitive Neurodynamics, 2022, 16, 941-960.	2.3	7
2955	Prevalence of white matter pathways coming into a single white matter voxel orientation: The bottleneck issue in tractography. Human Brain Mapping, 2022, 43, 1196-1213.	1.9	34
2956	Total variation regularized FrÃ©chet regression for metric-space valued data. Annals of Statistics, 2021, 49, .	1.4	5
2957	Dimensionality Reduction: Foundations and Applications in Clinical Neuroscience. Acta Neurochirurgica Supplementum, 2022, 134, 59-63.	0.5	0
2958	A deeper look at vision and memory. Nature Neuroscience, 2022, 25, 8-10.	7.1	0
2960	3D U-Net Improves Automatic Brain Extraction for Isotropic Rat Brain Magnetic Resonance Imaging Data. Frontiers in Neuroscience, 2021, 15, 801008.	1.4	9
2961	Investigating associations of delay discounting with brain structure, working memory, and episodic memory. Cerebral Cortex, 2023, 33, 1669-1678.	1.6	3
2962	OUP accepted manuscript. Cerebral Cortex, 2022, , .	1.6	0
2963	Alternations and Applications of the Structural and Functional Connectome in Gliomas: A Mini-Review. Frontiers in Neuroscience, 2022, 16, 856808.	1.4	6
2965	Common Microscale and Macroscale Principles of Connectivity in the Human Brain. Journal of Neuroscience, 2022, 42, 4147-4163.	1.7	7
2968	Young Adults with a Parent with Dementia Show Early Abnormalities in Brain Activity and Brain Volume in the Hippocampus: A Matched Case-Control Study. Brain Sciences, 2022, 12, 496.	1.1	1

#	Article	IF	Citations
2971	Mitigating transmitâ€Ð ₁ artifacts by predicting parallel transmission images with deep learning: A feasibility study using highâ€resolution wholeâ€brain diffusion at 7 Tesla. Magnetic Resonance in Medicine, 2022, , .	1.9	3
2972	Researchersâ€™ Ethical Concerns About Using Adaptive Deep Brain Stimulation for Enhancement. Frontiers in Human Neuroscience, 2022, 16, 813922.	1.0	10
2973	Impact of thresholding on the consistency and sensitivity of diffusion MRIâ€based brain networks in patients with cerebral small vessel disease. Brain and Behavior, 2022, , e2523.	1.0	1
2974	Local structure-function relationships in human brain networks across the lifespan. Nature Communications, 2022, 13, 2053.	5.8	58
2975	Covariance shrinkage can assess and improve functional connectomes. NeuroImage, 2022, 256, 119229.	2.1	2
2976	Cerebral Polymorphisms for Lateralisation: Modelling the Genetic and Phenotypic Architectures of Multiple Functional Modules. Symmetry, 2022, 14, 814.	1.1	13
2978	A transfer learning approach to few-shot segmentation of novel white matter tracts. Medical Image Analysis, 2022, 79, 102454.	7.0	12
2979	The resting-state causal human connectome is characterized by hub connectivity of executive and attentional networks. NeuroImage, 2022, 255, 119211.	2.1	9
2980	Disentangling the variability of the superficial white matter organization using regional-tractogram-based population stratification. NeuroImage, 2022, 255, 119197.	2.1	6
3067	Evaluating brain parcellations using the distanceâ€controlled boundary coefficient. Human Brain Mapping, 2022, 43, 3706-3720.	1.9	22
3068	Bridging the big (data) gap: levels of control in small- and large-scale cognitive neuroscience research. Trends in Neurosciences, 2022, 45, 507-516.	4.2	11
3069	Functional Parcellation of Human Brain Using Localized Topo-Connectivity Mapping. IEEE Transactions on Medical Imaging, 2022, 41, 2670-2680.	5.4	3
3070	Comparison of CPU and GPU bayesian estimates of fibre orientations from diffusion MRI. PLoS ONE, 2022, 17, e0252736.	1.1	3
3071	A population-normalized tractographic fiber atlas of the anterior limb of the internal capsule: relevance to surgical neuromodulation. Journal of Neurosurgery, 2022, , 1-11.	0.9	0
3072	Network analysis in Gamma Knife capsulotomy for intractable obsessive-compulsive disorder. Brain and Spine, 2022, 2, 100892.	0.0	0
3073	Cortical Morphological Brain Networks: Phenotypic Associations and Microbiological Substrates. SSRN Electronic Journal, 0, , .	0.4	2
3074	Discriminative Representation Learning for Rigid Registration of Diffusion-Weighted MR Images. SSRN Electronic Journal, 0, , .	0.4	0
3075	Long-range functional connections mirror and link microarchitectural and cognitive hierarchies in the human brain. Cerebral Cortex, 2023, 33, 1782-1798.	1.6	20

#	Article	IF	Citations
3076	Understanding cerebellar function through network perspectives: A review of resting-state connectivity of the cerebellum. Psychology of Learning and Motivation - Advances in Research and Theory, 2022, , 1-49.	0.5	0
3078	Supwma: Consistent and Efficient Tractography Parcellation of Superficial White Matter with Deep Learning. , 2022, , .		7
3079	Towards Efficient FMRI Data Re-Use: Can We Run Between-Group Analyses with Datasets Processed Differently with SPM?. , 2022, , .		0
3080	From Supervised to Unsupervised Harmonization of Diffusion Mri Acquisitions. , 2022, , .		2
3081	Model and Predict Age and Sex in Healthy Subjects Using Brain White Matter Features: A Deep Learning Approach. , 2022, , .		4
3082	A Riemannian Framework for Functional Clustering of Whole Brain White Matter Fibers. , 2022, , .		2
3083	Hierarchical Brain Embedding Using Explainable Graph Learning. , 2022, , .		6
3085	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging. PLoS Biology, 2022, 20, e3001627.	2.6	17
3086	Variability in Resting-State Functional Magnetic Resonance Imaging: The Effect of Body Mass, Blood Pressure, Hematocrit, and Glycated Hemoglobin on Hemodynamic and Neuronal Parameters. Brain Connectivity, 2022, 12, 870-882.	0.8	5
3087	Somatotopic Organization of Hyperdirect Pathway Projections From the Primary Motor Cortex in the Human Brain. Frontiers in Neurology, 2022, 13, 791092.	1.1	1
3090	Imaging Genetic Based Mediation Analysis for Human Cognition. Frontiers in Neuroscience, 2022, 16, 824069.	1.4	0
3092	Beyond Systematic and Unsystematic Responding: Latent Class Mixture Models to Characterize Response Patterns in Discounting Research. Frontiers in Behavioral Neuroscience, 2022, 16, 806944.	1.0	2
3093	Time-limited self-sustaining rhythms and state transitions in brain networks. Physical Review Research, 2022, 4, .	1.3	4
3094	A More Female-Characterized Resting-State Brain: Graph Similarity Analyses of Sex Influence on the Human Brain Intrinsic Functional Network. Brain Topography, 2022, 35, 341-351.	0.8	3
3095	Finding Cortical Subregions Regarding the Dorsal Language Pathway Based on the Structural Connectivity. Frontiers in Human Neuroscience, 2022, 16, 784340.	1.0	1
3097	Using deep clustering to improve fMRI dynamic functional connectivity analysis. NeuroImage, 2022, 257, 119288.	2.1	7
3098	The Task Pre-Configuration Is Associated With Cognitive Performance Evidence From the Brain Synchrony. Frontiers in Computational Neuroscience, 2022, 16, .	1.2	1
3099	The effect of perceived stress on cognition is mediated by personality and the underlying neural mechanism. Translational Psychiatry, 2022, 12, 199.	2.4	11

#	Article	IF	Citations
3100	The Spatiotemporal Neural Dynamics of Intersensory Attention Capture of Salient Stimuli: A Large-Scale Auditory-Visual Modeling Study. Frontiers in Computational Neuroscience, 2022, 16, .	1.2	0
3101	Temporal Cross-Graph Network for Brain Functional Activity Prediction. , 2022, , .		0
3102	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex. Nature Communications, 2022, 13, 2341.	5.8	54
3103	A cognitive state transformation model for task-general and task-specific subsystems of the brain connectome. NeuroImage, 2022, 257, 119279.	2.1	4
3106	Forecasting brain activity based on models of spatiotemporal brain dynamics: A comparison of graph neural network architectures. Network Neuroscience, 2022, 6, 665-701.	1.4	3
3107	Patientâ€specific structural connectivity informs outcomes of responsive neurostimulation for temporal lobe epilepsy. Epilepsia, 2022, 63, 2037-2055.	2.6	16
3108	Evaluation of thresholding methods for activation likelihood estimation metaâ€analysis via largeâ€scale simulations. Human Brain Mapping, 2022, 43, 3987-3997.	1.9	4
3109	Spatial-data-driven layouting for brain network visualization. Computers and Graphics, 2022, 105, 12-24.	1.4	5
3110	On the prediction of human intelligence from neuroimaging: A systematic review of methods and reporting. Intelligence, 2022, 93, 101654.	1.6	17
3111	Dynamic trajectories of connectome state transitions are heritable. NeuroImage, 2022, 256, 119274.	2.1	2
3112	Reliability and subject specificity of personalized whole-brain dynamical models. NeuroImage, 2022, 257, 119321.	2.1	12
3113	Variability and concordance of sulcal patterns in the orbitofrontal cortex: A twin study. Psychiatry Research - Neuroimaging, 2022, 324, 111492.	0.9	4
3114	Psychedelic resting-state neuroimaging: A review and perspective on balancing replication and novel analyses. Neuroscience and Biobehavioral Reviews, 2022, 138, 104689.	2.9	45
3115	ENDOSCOPIC ANATOMY OF THE TRANSCALLOSAL HEMISPHEROTOMY: LABORATORY STUDY WITH ADVANCED 3D MODELING. World Neurosurgery, 2022, , .	0.7	0
3116	A mathematical perspective on edge-centric brain functional connectivity. Nature Communications, 2022, 13, 2693.	5.8	31
3117	Meta-matching as a simple framework to translate phenotypic predictive models from big to small data. Nature Neuroscience, 2022, 25, 795-804.	7.1	29
3118	Identifying Alzheimerâ€™s genes via brain transcriptome mapping. BMC Medical Genomics, 2022, 15, 116.	0.7	1
3119	A synergistic core for human brain evolution and cognition. Nature Neuroscience, 2022, 25, 771-782.	7.1	80

#	Article	IF	Citations
3120	Generalizable predictive modeling of semantic processing ability from functional brain connectivity. Human Brain Mapping, 2022, 43, 4274-4292.	1.9	3
3121	Deep convolutional neural networks for bias field correction of brain magnetic resonance images. Journal of Supercomputing, 0, , .	2.4	1
3122	Severity of alcohol use disorder influences sex differences in sleep, mood, and brain functional connectivity impairments. Brain Communications, 2022, 4, .	1.5	3
3123	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. NeuroImage, 2022, 257, 119327.	2.1	17
3124	Network communication models narrow the gap between the modular organization of structural and functional brain networks. NeuroImage, 2022, 257, 119323.	2.1	32
3125	Deep Multi-Resolution Diffusion Image Denoising Via Low-Frequency-To-High-Frequency Channel Translation. SSRN Electronic Journal, 0, , .	0.4	0
3126	Future Directions for Chemosensory Connectomes: Best Practices and Specific Challenges. Frontiers in Systems Neuroscience, 2022, 16, .	1.2	3
3127	Brain intrinsic connection patterns underlying tool processing in human adults are present in neonates and not in macaques. NeuroImage, 2022, 258, 119339.	2.1	4
3128	Systematic validation of an automated thalamic parcellation technique using anatomical data at 3T.. NeuroImage, 2022, 258, 119340.	2.1	4
3129	Brain atrophy in prodromal synucleinopathy is shaped by structural connectivity and gene expression. Brain, 2022, 145, 3162-3178.	3.7	13
3130	The Developing Human Connectome Project Neonatal Data Release. Frontiers in Neuroscience, 2022, 16, .	1.4	42
3131	Is perceived stress linked to enhanced cognitive functioning and reduced risk for psychopathology? Testing the hormesis hypothesis. Psychiatry Research, 2022, 314, 114644.	1.7	7
3132	Trajectory of rich club properties in structural brain networks. Human Brain Mapping, 2022, 43, 4239-4253.	1.9	9
3135	Group-level inference of information-based measures for the analyses of cognitive brain networks from neurophysiological data. NeuroImage, 2022, 258, 119347.	2.1	10
3139	Modelling the laminar connectome of the human brain. Brain Structure and Function, 2022, 227, 2153-2165.	1.2	5
3140	Static and dynamic BOLD fMRI components along white matter fibre tracts and their dependence on the orientation of the local diffusion tensor axis relative to the B₀-field. Journal of Cerebral Blood Flow and Metabolism, 0, , 0271678X2211062.	2.4	0
3141	The human language effective connectome. NeuroImage, 2022, 258, 119352.	2.1	34
3142	Predicting timeâ€resolved electrophysiological brain networks from structural eigenmodes. Human Brain Mapping, 2022, 43, 4475-4491.	1.9	17

#	Article	IF	Citations
3144	Activation network mapping for integration of heterogeneous fMRI findings. Nature Human Behaviour, 2022, 6, 1417-1429.	6.2	16
3145	Beyond â€œsex predictionâ€• Estimating and interpreting multivariate sex differences and similarities in the brain. NeuroImage, 2022, 257, 119343.	2.1	14
3146	Neuroanatomical foundations of delayed reward discounting decision making II: Evaluation of sulcal morphology and fractal dimensionality. NeuroImage, 2022, 257, 119309.	2.1	2
3147	A Riemannian approach to predicting brain function from the structural connectome. NeuroImage, 2022, 257, 119299.	2.1	10
3148	Statistical Inference for High-Dimensional Vector Autoregression with Measurement Error. Statistica Sinica, 2024, , .	0.2	0
3149	Functional Connectivity of the Chemosenses: A Review. Frontiers in Systems Neuroscience, 0, 16, .	1.2	3
3150	Neuro-anatomie morphologique et fonctionnelle. , 2021, , e1-e168.		0
3151	Lesion Network Mapping Using Resting-State Functional Connectivity MRI. Neuromethods, 2022, , 181-198.	0.2	1
3152	A Novel Approach to Detect Anatomical Landmarks Using R-CNN for MEG-MRI Registration. SSRN Electronic Journal, 0, , .	0.4	0
3153	Towards XAI: Interpretable Shallow Neural Network Used to Model HCPâ€™s fMRI Motor Paradigm Data. Lecture Notes in Computer Science, 2022, , 260-274.	1.0	3
3158	Brain morphometric similarity and flexibility. Cerebral Cortex Communications, 2022, 3, .	0.7	2
3159	Transcallosal and Corticospinal White Matter Disease and Its Association With Motor Impairment in Multiple Sclerosis. Frontiers in Neurology, 0, 13, .	1.1	2
3160	A Chinese multi-modal neuroimaging data release for increasing diversity of human brain mapping. Scientific Data, 2022, 9, .	2.4	4
3161	The structural brain network topology of episodic memory. PLoS ONE, 2022, 17, e0270592.	1.1	5
3162	Impact of weight loss on brain age: Improved brain health following bariatric surgery. NeuroImage, 2022, 259, 119415.	2.1	13
3163	Structural insight into the individual variability architecture of the functional brain connectome. NeuroImage, 2022, 259, 119387.	2.1	12
3164	Improved Interpretability of Brain-Behavior CCA With Domain-Driven Dimension Reduction. Frontiers in Neuroscience, 0, 16, .	1.4	3
3165	Auto-encoded Latent Representations of White Matter Streamlines for Quantitative Distance Analysis. Neuroinformatics, 2022, 20, 1105-1120.	1.5	3

#	Article	IF	Citations
3166	A Multinomial Processing Tree Model of the 2-back Working Memory Task. Computational Brain & Behavior, 0, , .	0.9	0
3167	A longitudinal multi-scanner multimodal human neuroimaging dataset. Scientific Data, 2022, 9, .	2.4	3
3168	Fast Streamline Search: An Exact Technique for Diffusion MRI Tractography. Neuroinformatics, 2022, 20, 1093-1104.	1.5	1
3169	Identifying alcohol misuse biotypes from neural connectivity markers and concurrent genetic associations. Translational Psychiatry, 2022, 12, .	2.4	8
3170	On the Diverse Functions of Electrical Synapses. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	21
3171	Graded Variation in T1w/T2w Ratio during Adolescence: Measurement, Caveats, and Implications for Development of Cortical Myelin. Journal of Neuroscience, 2022, 42, 5681-5694.	1.7	28
3172	Uncovering individual differences in fine-scale dynamics of functional connectivity. Cerebral Cortex, 2023, 33, 2375-2394.	1.6	15
3173	Editorial: Modern Statistical Learning Strategies in Imaging Genetics. Frontiers in Neuroscience, 0, 16, .	1.4	1
3174	A Robust Modular Automated Neuroimaging Pipeline for Model Inputs to TheVirtualBrain. Frontiers in Neuroinformatics, 0, 16, .	1.3	3
3175	Functional modular organization unfolded by chimera-like dynamics in a large-scale brain network model. Science China Technological Sciences, 2022, 65, 1435-1444.	2.0	8
3176	Mapping Inter-individual Functional Connectivity Variability in TMS Targets for Major Depressive Disorder. Frontiers in Psychiatry, 0, 13, .	1.3	12
3177	Cross-attractor repertoire provides new perspective on structure-function relationship in the brain. NeuroImage, 2022, 259, 119401.	2.1	10
3178	A longitudinal resource for studying connectome development and its psychiatric associations during childhood. Scientific Data, 2022, 9, .	2.4	18
3179	The INSIDEOUT framework provides precise signatures of the balance of intrinsic and extrinsic dynamics in brain states. Communications Biology, 2022, 5, .	2.0	23
3180	The biological basis of intelligence: Benchmark findings. Intelligence, 2022, 93, 101665.	1.6	11
3181	Modeling spatio-temporal patterns of holistic functional brain networks via multi-head guided attention graph neural networks (Multi-Head GAGNNs). Medical Image Analysis, 2022, 80, 102518.	7.0	12
3182	White matter substrates of functional connectivity dynamics in the human brain. NeuroImage, 2022, 258, 119391.	2.1	6
3183	Empirical transmit field bias correction of T1w/T2w myelin maps. NeuroImage, 2022, 258, 119360.	2.1	20

#	Article	IF	Citations
3184	Detection of functional activity in brain white matter using fiber architecture informed synchrony mapping. NeuroImage, 2022, 258, 119399.	2.1	3
3185	Human Connectome Project. , 2022, , 1647-1650.		0
3187	DeepEZ: A Graph Convolutional Network for Automated Epileptogenic Zone Localization From Resting-State fMRI Connectivity. IEEE Transactions on Biomedical Engineering, 2023, 70, 216-227.	2.5	2
3189	Mapping frontoinsular cortex from diffusion microstructure. Cerebral Cortex, 2023, 33, 2715-2733.	1.6	4
3190	A guided multiverse study of neuroimaging analyses. Nature Communications, 2022, 13, .	5.8	23
3192	Outlier detection for multi-network data. Bioinformatics, 2022, 38, 4011-4018.	1.8	1
3193	Association of Cardiovascular Risk Markers and Fitness with Task-Related Neural Activity during Animacy Perception. Medicine and Science in Sports and Exercise, 2022, 54, 1738-1750.	0.2	2
3195	Metastable oscillatory modes emerge from synchronization in the brain spacetime connectome. Communications Physics, 2022, 5, .	2.0	37
3196	Proportional intracranial volume correction differentially biases behavioral predictions across neuroanatomical features, sexes, and development. NeuroImage, 2022, 260, 119485.	2.1	13
3197	Frequency-dependent effective connections between local signals and the global brain signal during resting-state. Cognitive Neurodynamics, 2023, 17, 555-560.	2.3	2
3198	The human posterior parietal cortex: effective connectome, and its relation to function. Cerebral Cortex, 2023, 33, 3142-3170.	1.6	21
3199	Generative Models of Brain Dynamics. Frontiers in Artificial Intelligence, 0, 5, .	2.0	11
3200	In-vivo data-driven parcellation of Heschlâ€™s gyrus using structural connectivity. Scientific Reports, 2022, 12, .	1.6	2
3201	Information content of brain states is explained by structural constraints on state energetics. Physical Review E, 2022, 106, .	0.8	9
3202	Cerebral cortex layer segmentation using diffusion magnetic resonance imaging in vivo with applications to laminar connections and working memory analysis. Human Brain Mapping, 2022, 43, 5220-5234.	1.9	2
3203	Revisiting doubt in neuroimaging research. Nature Neuroscience, 2022, 25, 833-834.	7.1	5
3204	The dynamic shaping of local cortical circuitry by sex and age, and its relation to Pattern Comparison Processing Speed. Journal of Neurophysiology, 0, , .	0.9	0
3205	Deep learning for fast low-field MRI acquisitions. Scientific Reports, 2022, 12, .	1.6	13

#	Article	IF	Citations
3206	A Hierarchical Graph Learning Model for Brain Network Regression Analysis. Frontiers in Neuroscience, 0, 16, .	1.4	4
3207	Multiple cortical visual streams in humans. Cerebral Cortex, 2023, 33, 3319-3349.	1.6	23
3208	Dual-domain self-supervised learning for accelerated non-Cartesian MRI reconstruction. Medical Image Analysis, 2022, 81, 102538.	7.0	11
3209	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
3210	Mapping microstructural gradients of the human striatum in normal aging and Parkinsonâ€™s disease. Science Advances, 2022, 8, .	4.7	12
3211	The Structured Mind at Rest: Low-Frequency Oscillations Reflect Interactive Dynamics Between Spontaneous Brain Activity and a Common Architecture for Task Control. Frontiers in Neuroscience, 0, 16, .	1.4	2
3212	Deep learning in cortical surface-based neuroimage analysis: a systematic review. Intelligent Medicine, 2023, 3, 46-58.	1.6	5
3214	Fractional cyber-neural systems â€” A brief survey. Annual Reviews in Control, 2022, 54, 386-408.	4.4	6
3215	Structural Connectome constrained Graphical Lasso for MEG Partial Coherence. Network Neuroscience, 0, , 1-36.	1.4	3
3220	What do neuroanatomical networks reveal about the ontology of human cognitive abilities?. IScience, 2022, 25, 104706.	1.9	1
3221	Act natural: Functional connectivity from naturalistic stimuli fMRI outperforms resting-state in predicting brain activity. NeuroImage, 2022, 258, 119359.	2.1	14
3222	Accurate predictions of individual differences in task-evoked brain activity from resting-state fMRI using a sparse ensemble learner. NeuroImage, 2022, 259, 119418.	2.1	3
3223	Metastability, fractal scaling, and synergistic information processing: What phase relationships reveal about intrinsic brain activity. NeuroImage, 2022, 259, 119433.	2.1	14
3224	Structural connections between the noradrenergic and cholinergic system shape the dynamics of functional brain networks. NeuroImage, 2022, 260, 119455.	2.1	12
3225	Ultra-slow fMRI fluctuations in the fourth ventricle as a marker of drowsiness. NeuroImage, 2022, 259, 119424.	2.1	9
3226	Cross-site harmonization of multi-shell diffusion MRI measures based on rotational invariant spherical harmonics (RISH). NeuroImage, 2022, 259, 119439.	2.1	8
3227	Template Independent Component Analysis with Spatial Priors for Accurate Subject-Level Brain Network Estimation and Inference. Journal of Computational and Graphical Statistics, 2023, 32, 413-433.	0.9	1
3228	Decoding transcriptional signatures of the association between free water and macroscale organizations in healthy adolescents. NeuroImage, 2022, , 119514.	2.1	0

#	Article	IF	Citations
3230	Multimodal and multicontrast image fusion via deep generative models. Information Fusion, 2022, 88, 146-160.	11.7	20
3232	Structural Covariance and Heritability of the Optic Tract and Primary Visual Cortex in Living Human Brains. Journal of Neuroscience, 2022, 42, 6761-6769.	1.7	4
3233	Model-based stationarity filtering of long-term memory data applied to resting-state blood-oxygen-level-dependent signal. PLoS ONE, 2022, 17, e0268752.	1.1	0
3235	Collaboration and Open Science Initiatives in Primate Research. , 2022, , 584-608.		0
3237	Investigating cognitive ability using action-based models of structural brain networks. Journal of Complex Networks, 2022, 10, .	1.1	0
3238	A parsimonious description of global functional brain organization in three spatiotemporal patterns. Nature Neuroscience, 2022, 25, 1093-1103.	7.1	53
3241	Interpreting models interpreting brain dynamics. Scientific Reports, 2022, 12, .	1.6	11
3242	In the Brain, Function Follows Form. Physics Magazine, 0, 15, .	0.1	0
3243	Heritability and cross-species comparisons of human cortical functional organization asymmetry. ELife, 0, 11, .	2.8	12
3246	Research on Optimization Scheme for Blocking Artifacts after Patch-Based Medical Image Reconstruction. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-17.	0.7	2
3247	Closing the mechanistic gap: the value of microarchitecture in understanding cognitive networks. Trends in Cognitive Sciences, 2022, 26, 873-886.	4.0	16
3248	Geometric effects of volume-to-surface mapping of fMRI data. Brain Structure and Function, 2022, 227, 2457-2464.	1.2	6
3249	Goal-specific brain MRI harmonization. NeuroImage, 2022, 263, 119570.	2.1	10
3250	Activity flow mapping over probabilistic functional connectivity. Human Brain Mapping, 0, , .	1.9	0
3251	Gumbel-Softmax based Neural Architecture Search for Hierarchical Brain Networks Decomposition. Medical Image Analysis, 2022, 82, 102570.	7.0	3
3253	Brainprints: identifying individuals from magnetoencephalograms. Communications Biology, 2022, 5, .	2.0	4
3254	Brain Network Analysis: A Review on Multivariate Analytical Methods. Brain Connectivity, 0, , .	0.8	1
3255	Improving power in functional magnetic resonance imaging by moving beyond cluster-level inference. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	27

#	Article	IF	Citations
3256	A multi-scale probabilistic atlas of the human connectome. Scientific Data, 2022, 9, .	2.4	7
3257	Precision dynamical mapping using topological data analysis reveals a hub-like transition state at rest. Nature Communications, 2022, 13, .	5.8	17
3258	Evaluation of data imputation strategies in complex, deeply-phenotyped data sets: the case of the EU-AIMS Longitudinal European Autism Project. BMC Medical Research Methodology, 2022, 22, .	1.4	6
3259	Decoding Task-Based fMRI Data with Graph Neural Networks, Considering Individual Differences. Brain Sciences, 2022, 12, 1094.	1.1	10
3260	Brain architecture-based vulnerability to traumatic injury. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	1
3261	Functional neuroimaging in psychiatry and the case for failing better. Neuron, 2022, 110, 2524-2544.	3.8	36
3262	How robust is the relationship between neural processing speed and cognitive abilities?. Psychophysiology, 2023, 60, .	1.2	6
3263	Estimation of undistorted images in brain echoâ€planar images with distortions using the conjugate gradient method with anatomical regularization. Medical Physics, 0, , .	1.6	1
3264	Human electromagnetic and haemodynamic networks systematically converge in unimodal cortex and diverge in transmodal cortex. PLoS Biology, 2022, 20, e3001735.	2.6	27
3265	Local molecular and global connectomic contributions to cross-disorder cortical abnormalities. Nature Communications, 2022, 13, .	5.8	29
3266	A multifaceted gradient in human cerebellum of structural and functional development. Nature Neuroscience, 2022, 25, 1129-1133.	7.1	20
3267	Brainâ€“phenotype models fail for individuals who defy sample stereotypes. Nature, 2022, 609, 109-118.	13.7	55
3268	Skepticism about Recent Evidence That Psilocybin â€œLiberatesâ€•Depressed Minds. ACS Chemical Neuroscience, 2022, 13, 2540-2543.	1.7	9
3269	Person-specific and precision neuroimaging: Current methods and future directions. NeuroImage, 2022, 263, 119589.	2.1	20
3270	Integrating development into the Research Domain Criteria (RDoC) framework: Introduction to the special section.. , 2022, 131, 535-541.		4
3271	WHOCARES: WHOle-brain CArdiac signal REgression from highly accelerated simultaneous multi-Slice fMRI acquisitions. Journal of Neural Engineering, 2022, 19, 056006.	1.8	3
3273	Individual differences in white matter microstructure of the face processing brain network are more differentiated from global fibers with increasing ability. Scientific Reports, 2022, 12, .	1.6	1
3274	A generalized deep learning network for fractional anisotropy reconstruction: Application to epilepsy and multiple sclerosis. Frontiers in Neuroinformatics, 0, 16, .	1.3	0

#	Article	IF	Citations
3275	Empirical facts from search for replicable associations between cortical thickness and psychometric variables in healthy adults. Scientific Reports, 2022, 12, .	1.6	4
3279	Non-monotone cellular automata: Order prevails over chaos. BioSystems, 2022, 220, 104756.	0.9	1
3280	A transformer-Based neural language model that synthesizes brain activation maps from free-form text queries. Medical Image Analysis, 2022, 81, 102540.	7.0	3
3281	Estimating axial diffusivity in the NODDI model. NeuroImage, 2022, 262, 119535.	2.1	7
3282	Superficial white matter bundle atlas based on hierarchical fiber clustering over probabilistic tractography data. NeuroImage, 2022, 262, 119550.	2.1	9
3283	Mode decomposition-based time-varying phase synchronization for fMRI. NeuroImage, 2022, 261, 119519.	2.1	1
3284	Combination of structural and functional connectivity explains unique variation in specific domains of cognitive function. NeuroImage, 2022, 262, 119531.	2.1	13
3285	A reusable benchmark of brain-age prediction from M/EEG resting-state signals. NeuroImage, 2022, 262, 119521.	2.1	20
3286	Mapping the subcortical connectome using in vivo diffusion MRI: Feasibility and reliability. NeuroImage, 2022, 262, 119553.	2.1	4
3287	Structural connectivity of the ANT region based on human ex-vivo and HCP data. Relevance for DBS in ANT for epilepsy. NeuroImage, 2022, 262, 119551.	2.1	6
3288	Cross-cohort replicability and generalizability of connectivity-based psychometric prediction patterns. NeuroImage, 2022, 262, 119569.	2.1	4
3289	Relationship of neurite architecture to brain activity during task-based fMRI. NeuroImage, 2022, 262, 119575.	2.1	2
3291	Diffusion magnetic resonance imaging connectome features are predictive of functional lateralization of semantic processing in the anterior temporal lobes. Human Brain Mapping, 0, , .	1.9	3
3292	Developmental trajectories of cortical thickness by functional brain network: The roles of pubertal timing and socioeconomic status. Developmental Cognitive Neuroscience, 2022, 57, 101145.	1.9	6
3293	Curation of BIDS (CuBIDS): A workflow and software package for streamlining reproducible curation of large BIDS datasets. NeuroImage, 2022, 263, 119609.	2.1	8
3294	Bundle-o-graphy: improving structural connectivity estimation with adaptive microstructure-informed tractography. NeuroImage, 2022, 263, 119600.	2.1	2
3295	Edge-centric analysis of time-varying functional brain networks with applications in autism spectrum disorder. NeuroImage, 2022, 263, 119591.	2.1	15
3296	Convergent gray matter alterations across drugs of abuse and network-level implications: A meta-analysis of structural MRI studies. Drug and Alcohol Dependence, 2022, 240, 109625.	1.6	5

#	Article	IF	Citations
3297	Atlas-guided parcellation: Individualized functionally-homogenous parcellation in cerebral cortex. Computers in Biology and Medicine, 2022, 150, 106078.	3.9	6
3298	High-resolution atlasing and segmentation of the subcortex: Review and perspective on challenges and opportunities created by machine learning. NeuroImage, 2022, 263, 119616.	2.1	0
3299	Micapipe: A pipeline for multimodal neuroimaging and connectome analysis. NeuroImage, 2022, 263, 119612.	2.1	25
3300	Capturing brainâ€cognition relationship: Integrating taskâ€based fMRI across tasks markedly boosts prediction and testâ€retest reliability. NeuroImage, 2022, 263, 119588.	2.1	8
3301	Functional random effects modeling of brain shape and connectivity. Annals of Applied Statistics, 2022, 16, .	0.5	1
3302	Aligning Spatially Constrained Graphs. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-13.	4.0	0
3303	Improving theÂGeneralization ofÂDeep Learning Classification Models inÂMedical Imaging Using Transfer Learning andÂGenerative Adversarial Networks. Lecture Notes in Computer Science, 2022, , 218-235.	1.0	1
3304	An Adaptive Network withÂExtragradient forÂDiffusion MRI-Based Microstructure Estimation. Lecture Notes in Computer Science, 2022, , 153-162.	1.0	3
3306	Personalized dMRI Harmonization onÂCortical Surface. Lecture Notes in Computer Science, 2022, , 717-725.	1.0	1
3307	SuperFormer: Volumetric Transformer Architectures forÂMRI Super-Resolution. Lecture Notes in Computer Science, 2022, , 132-141.	1.0	1
3308	One-Shot Segmentation ofÂNovel White Matter Tracts viaÂExtensive Data Augmentation. Lecture Notes in Computer Science, 2022, , 133-142.	1.0	3
3309	Combining Multiple Atlases toÂEstimate Data-Driven Mappings Between Functional Connectomes Using Optimal Transport. Lecture Notes in Computer Science, 2022, , 386-395.	1.0	2
3310	White Matter Tracts are Point Clouds: Neuropsychological Score Prediction andÂCritical Region Localization viaÂGeometric Deep Learning. Lecture Notes in Computer Science, 2022, , 174-184.	1.0	3
3311	Accurate Corresponding Fiber Tract Segmentation via FiberGeoMap Learner. Lecture Notes in Computer Science, 2022, , 143-152.	1.0	3
3312	Hybrid Graph Transformer forÂTissue Microstructure Estimation withÂUndersampled Diffusion MRI Data. Lecture Notes in Computer Science, 2022, , 113-122.	1.0	4
3313	RefineNet: An Automated Framework toÂGenerate Task andÂSubject-Specific Brain Parcellations forÂResting-State fMRI Analysis. Lecture Notes in Computer Science, 2022, , 315-325.	1.0	2
3314	Statistical quantification of confounding bias in machine learning models. GigaScience, 2022, 11, .	3.3	8
3315	Learning to Model the Relationship Between Brain Structural and Functional Connectomes. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 830-843.	1.6	0

#	Article	IF	Citations
3316	TractoFormer: A Novel Fiber-Level Whole Brain Tractography Analysis Framework Using Spectral Embedding and Vision Transformers. Lecture Notes in Computer Science, 2022, , 196-206.	1.0	4
3317	The Semi-constrained Network-Based Statistic (scNBS): Integrating Local andÂGlobal Information forÂBrain Network Inference. Lecture Notes in Computer Science, 2022, , 396-405.	1.0	0
3318	Learning Subject-Specific Functional Parcellations fromÂCortical Surface Measures. Lecture Notes in Computer Science, 2022, , 172-180.	1.0	1
3319	Prediction ofÂNeuropsychological Scores fromÂFunctional Connectivity Matrices Using Deep Autoencoders. Lecture Notes in Computer Science, 2022, , 140-151.	1.0	0
3320	Multi-site Normative Modeling of Diffusion Tensor Imaging Metrics Using Hierarchical Bayesian Regression. Lecture Notes in Computer Science, 2022, , 207-217.	1.0	2
3321	CortexODE: Learning Cortical Surface Reconstruction by Neural ODEs. IEEE Transactions on Medical Imaging, 2023, 42, 430-443.	5.4	6
3322	Modelling Cycles inÂBrain Networks withÂtheÂHodge Laplacian. Lecture Notes in Computer Science, 2022, , 326-335.	1.0	0
3323	Deep Dynamic Effective Connectivity Estimation from Multivariate Time Series. , 2022, , .		1
3324	Discovery and Replication of Time-Resolved Functional Network Connectivity Differences in Adolescence and Adulthood in over 50K fMRI Datasets. , 2022, , .		1
3325	Investigating Echo State Network Performance with Biologically-Inspired Hierarchical Network Structure. , 2022, , .		0
3326	Molecular archaeology of human cognitive traits. Cell Reports, 2022, 40, 111287.	2.9	4
3327	Gradual changes in microarchitectural properties of cortex and juxtacortical white matter: Observed by anatomical and diffusion <scp>MRI</scp>. Magnetic Resonance in Medicine, 2022, 88, 2485-2503.	1.9	3
3329	Resting-State Functional Connectivity Explained Psychotic-Like Experiences in the General Population and Partially Generalized to Patients and Relatives. Biological Psychiatry Global Open Science, 2022, , .	1.0	0
3331	Inferring a Cognitive Architecture from Multitask Neuroimaging Data: A Dataâ€Driven Test of the Common Model of Cognition Using Granger Causality. Topics in Cognitive Science, 2022, 14, 845-859.	1.1	0
3332	Manifold-aware synthesis of high-resolution diffusion from structural imaging. , 0, 1, .		1
3336	Multiâ€band multiâ€shot diffusion <scp>MRI</scp> reconstruction with joint usage of structured lowâ€rank constraints and explicit phase mapping. Magnetic Resonance in Medicine, 2023, 89, 95-111.	1.9	7
3337	Relationship between nuclei-specific amygdala connectivity and mental health dimensions in humans. Nature Human Behaviour, 2022, 6, 1705-1722.	6.2	19
3338	External drivers of BOLD signalâ€™s non-stationarity. PLoS ONE, 2022, 17, e0257580.	1.1	0

#	Article	IF	Citations
3339	Alterations of functional connectivity of the lateral habenula in subclinical depression and major depressive disorder. BMC Psychiatry, 2022, 22, .	1.1	5
3340	A transformer model for learning spatiotemporal contextual representation in fMRI data. Network Neuroscience, 2023, 7, 22-47.	1.4	2
3341	Heritability of hippocampal functional and microstructural organisation. NeuroImage, 2022, 264, 119656.	2.1	7
3343	Altered cerebral blood flow in patients with spinocerebellar degeneration. Frontiers in Neuroscience, 0, 16, .	1.4	1
3346	The human posterior cingulate, retrosplenial, and medial parietal cortex effective connectome, and implications for memory and navigation. Human Brain Mapping, 2023, 44, 629-655.	1.9	23
3347	Accelerated Brain Aging in Adults With Major Depressive Disorder Predicts Poorer Outcome With Sertraline: Findings From the EMBARC Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 462-470.	1.1	0
3349	Multiscale neural gradients reflect transdiagnostic effects of major psychiatric conditions on cortical morphology. Communications Biology, 2022, 5, .	2.0	23
3350	Assessing HD-EEG functional connectivity states using a human brain computational model. Journal of Neural Engineering, 2022, 19, 056032.	1.8	3
3351	3M_BANTOR: A regression framework for multitask and multisession brain network distance metrics. Network Neuroscience, 0, , 1-21.	1.4	0
3352	An Open MRI Dataset For Multiscale Neuroscience. Scientific Data, 2022, 9, .	2.4	24
3355	Extended functional connectivity of convergent structural alterations among individuals with PTSD: a neuroimaging meta-analysis. Behavioral and Brain Functions, 2022, 18, .	1.4	7
3356	Using machine learning to evaluate large-scale brain networks in patients with brain tumors: Traditional and non-traditional eloquent areas. Neuro-Oncology Advances, 2022, 4, .	0.4	9
3357	A third somatomotor representation in the human cerebellum. Journal of Neurophysiology, 2022, 128, 1051-1073.	0.9	9
3358	In vivo probabilistic atlas of white matter tracts of the human subthalamic area combining track density imaging and optimized diffusion tractography. Brain Structure and Function, 2022, 227, 2647-2665.	1.2	4
3359	Basins of attraction of chimera states on networks. Frontiers in Physiology, 0, 13, .	1.3	2
3360	Lesions causing central sleep apnea localize to one common brain network. Frontiers in Neuroanatomy, 0, 16, .	0.9	1
3361	Anatomically curated segmentation of human subcortical structures in high resolution magnetic resonance imaging: An open science approach. Frontiers in Neuroanatomy, 0, 16, .	0.9	4
3362	Automatic segmentation of the core of the acoustic radiation in humans. Frontiers in Neurology, 0, 13, .	1.1	2

#	Article	IF	Citations
3363	High field ex vivo and in vivo 2D NMR spectroscopy in mice brain: Resolving and exploring the molecular environments. NMR in Biomedicine, 0, , .	1.6	3
3364	The relevance of heterotopic callosal fibers to interhemispheric connectivity of the mammalian brain. Cerebral Cortex, 2023, 33, 4752-4760.	1.6	6
3365	Receptor-informed network control theory links LSD and psilocybin to a flattening of the brainâ€™s control energy landscape. Nature Communications, 2022, 13, .	5.8	43
3367	The individuality of shape asymmetries of the human cerebral cortex. ELife, 0, 11, .	2.8	11
3368	Predictive models for social functioning in healthy young adults: A machine learning study integrating neuroanatomical, cognitive, and behavioral data. Social Neuroscience, 0, , 1-14.	0.7	0
3370	Multiâ€atlas thalamic nuclei segmentation on standard <scp>T1</scp>â€weighed <scp>MRI</scp> with application to normal aging. Human Brain Mapping, 2023, 44, 612-628.	1.9	7
3371	Corresponding anatomical of the macaque superior parietal lobule areas 5 (PE) subdivision reveal similar connectivity patterns with humans. Frontiers in Neuroscience, 0, 16, .	1.4	2
3372	G-RMOS: GPU-accelerated Riemannian Metric Optimization on Surfaces. Computers in Biology and Medicine, 2022, 150, 106167.	3.9	1
3376	Correspondence between gene expression and neurotransmitter receptor and transporter density in the human brain. NeuroImage, 2022, 264, 119671.	2.1	20
3377	Unraveling the functional attributes of the language connectome: crucial subnetworks, flexibility and variability. NeuroImage, 2022, 263, 119672.	2.1	8
3378	neuromaps: structural and functional interpretation of brain maps. Nature Methods, 2022, 19, 1472-1479.	9.0	81
3379	Comparison of individualized behavioral predictions across anatomical, diffusion and functional connectivity MRI. NeuroImage, 2022, 263, 119636.	2.1	34
3380	Low-to-moderate level of perceived stress strengthens working memory: Testing the hormesis hypothesis through neural activation. Neuropsychologia, 2022, 176, 108354.	0.7	6
3381	Open and reproducible neuroimaging: From study inception to publication. NeuroImage, 2022, 263, 119623.	2.1	33
3382	Fast and scalable learning of sparse changes in high-dimensional graphical model structure. Neurocomputing, 2022, 514, 39-57.	3.5	1
3383	Prefrontal and somatosensory-motor cortex effective connectivity in humans. Cerebral Cortex, 2023, 33, 4939-4963.	1.6	14
3384	Flow-based Generative Models for Learning Manifold to Manifold Mappings. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 11042-11052.	3.6	3
3385	Deep Graph Spectral Evolution Networks for Graph Topological Evolution. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 7358-7366.	3.6	0

#	Article	IF	Citations
3386	Evidence of familial confounding of the association between cannabis use and cerebellar-cortical functional connectivity using a twin study. NeuroImage: Clinical, 2022, 36, 103237.	1.4	0
3388	Evolutionary shaping of human brain dynamics. ELife, 0, 11, .	2.8	3
3390	Early remission in multiple sclerosis is linked to altered coherence of the Cerebellar Network. Journal of Translational Medicine, 2022, 20, .	1.8	2
3392	Unusual Mathematical Approaches Untangle Nervous Dynamics. Biomedicines, 2022, 10, 2581.	1.4	1
3393	Toward evaluation of multiresolution cortical thickness estimation with FreeSurfer, MaCRUISE, and BrainSuite. Cerebral Cortex, 0, , .	1.6	1
3394	Predicting network dynamics without requiring the knowledge of the interaction graph. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
3396	An analysis-ready and quality controlled resource for pediatric brain white-matter research. Scientific Data, 2022, 9, .	2.4	7
3399	Visual cortex: Big data analysis uncovers food specificity. Current Biology, 2022, 32, R1012-R1015.	1.8	3
3400	Seeing Social: A Neural Signature for Conscious Perception of Social Interactions. Journal of Neuroscience, 2022, 42, 9211-9226.	1.7	10
3401	Transparency of Artificial Intelligence in Healthcare: Insights from Professionals in Computing and Healthcare Worldwide. Applied Sciences (Switzerland), 2022, 12, 10228.	1.3	11
3403	Brain Age Prediction: A Comparison between Machine Learning Models Using Brain Morphometric Data. Sensors, 2022, 22, 8077.	2.1	11
3404	Challenges for machine learning in clinical translation of big data imaging studies. Neuron, 2022, 110, 3866-3881.	3.8	15
3406	Differentiate preterm and term infant brains and characterize the corresponding biomarkers via DICCCOL-based multi-modality graph neural networks. Frontiers in Neuroscience, 0, 16, .	1.4	1
3407	Semisupervised white matter hyperintensities segmentation on MRI. Human Brain Mapping, 2023, 44, 1344-1358.	1.9	2
3408	Deep learning in neuroimaging data analysis: Applications, challenges, and solutions. , 0, 1, .		5
3410	Network localization of transient global amnesia beyond the hippocampus. Neurological Sciences, 2023, 44, 649-657.	0.9	1
3412	Both noiseâ€floor and tissue compartment difference in diffusivity contribute to FA dependence on b â€value in diffusion MRI. Human Brain Mapping, 0, , .	1.9	2
3413	Identification of central amygdala and trigeminal motor nucleus connectivity in humans: An <scp>ultraâ€high</scp> field diffusion <scp>MRI</scp> study. Human Brain Mapping, 2023, 44, 1309-1319.	1.9	4

#	Article	IF	Citations
3415	An explainable deep learning framework for characterizing and interpreting human brain states. Medical Image Analysis, 2023, 83, 102665.	7.0	3
3416	Lesions to both somatic and affective pain pathways lead to decreased salience network connectivity. Brain, 2023, 146, 2153-2162.	3.7	2
3417	Concurrent mapping of brain ontogeny and phylogeny within a common space: Standardized tractography and applications. Science Advances, 2022, 8, .	4.7	9
3418	Prenatal heroin exposure alters brain morphology and connectivity in adolescent mice. NMR in Biomedicine, 2023, 36, .	1.6	3
3419	Spatial variation of changes in testâ€“retest reliability of functional connectivity after global signal regression: The effect of considering hemodynamic delay. Human Brain Mapping, 2023, 44, 668-678.	1.9	2
3420	Functional orderly topography of brain networks associated with gene expression heterogeneity. Communications Biology, 2022, 5, .	2.0	2
3422	Mapping neurotransmitter systems to the structural and functional organization of the human neocortex. Nature Neuroscience, 2022, 25, 1569-1581.	7.1	130
3424	Discovering sex and age implicator edges in the human connectome. Neuroscience Letters, 2022, 791, 136913.	1.0	1
3425	Deep Learning for Image Enhancement and Correction in Magnetic Resonance Imagingâ€”State-of-the-Art and Challenges. Journal of Digital Imaging, 2023, 36, 204-230.	1.6	30
3426	Evaluating the reliability, validity, and utility of overlapping networks: Implications for network theories of cognition. Human Brain Mapping, 2023, 44, 1030-1045.	1.9	3
3427	Strength-dependent perturbation of whole-brain model working in different regimes reveals the role of fluctuations in brain dynamics. PLoS Computational Biology, 2022, 18, e1010662.	1.5	12
3428	The merits and future of data deep-dives for cognitive neuroscience. Neuropsychologia, 2022, 176, 108394.	0.7	0
3429	Unified ethical principles and an animal research â€˜Helsinkiâ€™ declaration as foundations for international collaboration. Current Research in Neurobiology, 2022, 3, 100060.	1.1	9
3430	Maximizing brain networks engagement via individualized connectome-wide target search. Brain Stimulation, 2022, 15, 1418-1431.	0.7	5
3431	Connecting the connectome: A bibliometric investigation of the 50 most cited articles. Clinical Neurology and Neurosurgery, 2022, 223, 107481.	0.6	2
3432	Multi-modal and multi-subject modular organization of human brain networks. NeuroImage, 2022, 264, 119673.	2.1	6
3433	The relationship between reading abilities and the left occipitotemporal sulcus: A dual perspective study. Brain and Language, 2022, 235, 105189.	0.8	1
3434	Random Walk on Multiple Networks. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-14.	4.0	0

#	Article	IF	Citations
3435	Contrastive Brain Network Learning via Hierarchical Signed Graph Pooling Model. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-13.	7.2	6
3436	From sMRI to task-fMRI: A unified geometric deep learning framework for cross-modal brain anatomo-functional mapping. Medical Image Analysis, 2023, 83, 102681.	7.0	2
3438	Volumetric analysis of the aging auditory pathway using high resolution magnetic resonance histology. Frontiers in Aging Neuroscience, 0, 14, .	1.7	0
3439	A Novel Hidden Markov Approach to Studying Dynamic Functional Connectivity States in Human Neuroimaging. Brain Connectivity, 2023, 13, 154-163.	0.8	1
3441	Molecular Computational Anatomy: Unifying the Particle to Tissue Continuum via Measure Representations of the Brain. BME Frontiers, 2022, 2022, .	2.2	4
3442	Characterizing functional brain networks via Spatio-Temporal Attention 4D Convolutional Neural Networks (STA-4DCNNs). Neural Networks, 2023, 158, 99-110.	3.3	13
3443	Bundle geodesic convolutional neural network for diffusion-weighted imaging segmentation. Journal of Medical Imaging, 2022, 9, .	0.8	0
3444	Hemispheric Asymmetries of Individual Differences in Functional Connectivity. Journal of Cognitive Neuroscience, 2023, 35, 200-225.	1.1	6
3448	Optimal Control Costs of Brain State Transitions in Linear Stochastic Systems. Journal of Neuroscience, 2023, 43, 270-281.	1.7	12
3449	The complexity of spontaneous brain activity changes in schizophrenia, bipolar disorder, and <scp>ADHD</scp> was examined using different variations of entropy. Human Brain Mapping, 2023, 44, 94-118.	1.9	9
3450	Signed graph representation learning for functional-to-structural brain network mapping. Medical Image Analysis, 2023, 83, 102674.	7.0	4
3451	Retrospective behavioral sampling (RBS): A method to effectively track the cognitive fluctuations driven by naturalistic stimulation. Frontiers in Human Neuroscience, 0, 16, .	1.0	0
3452	Multistage classification identifies altered cortical phase- and amplitude-coupling in Multiple Sclerosis. NeuroImage, 2022, 264, 119752.	2.1	0
3453	Association fiber tracts related to Brocaâ€™s area: A comparative study based on diffusion spectrum imaging and fiber dissection. Frontiers in Neuroscience, 0, 16, .	1.4	0
3454	Leveraging edge-centric networks complements existing network-level inference for functional connectomes. NeuroImage, 2022, 264, 119742.	2.1	1
3455	The CABB dataset: A multimodal corpus of communicative interactions for behavioural and neural analyses. NeuroImage, 2022, 264, 119734.	2.1	3
3456	Through the looking glass: Deep interpretable dynamic directed connectivity in resting fMRI. NeuroImage, 2022, 264, 119737.	2.1	3
3457	Late dominance of the right hemisphere during narrative comprehension. NeuroImage, 2022, 264, 119749.	2.1	3

#	Article	IF	Citations
3458	Cingulate Sulcus Morphology and Paracingulate Sulcus Variations: Anatomical and Radiological Study. Clinical Anatomy, 0, , .	1.5	2
3459	Human amygdala compared to orbitofrontal cortex connectivity, and emotion. Progress in Neurobiology, 2023, 220, 102385.	2.8	11
3460	Transforming Connectomes to â€œAnyâ€•Parcellation via Graph Matching. Lecture Notes in Computer Science, 2022, , 118-127.	1.0	0
3461	Super-Resolution ofÂManifold-Valued Diffusion MRI Refined byÂMulti-modal Imaging. Lecture Notes in Computer Science, 2022, , 14-25.	1.0	1
3462	Diffusion MRI Fibre Orientation Distribution Inpainting. Lecture Notes in Computer Science, 2022, , 65-76.	1.0	1
3463	Whole-brain modeling explains the context-dependent effects of cholinergic neuromodulation. NeuroImage, 2023, 265, 119782.	2.1	6
3464	Functionally and structurally distinct fusiform face area(s) in over 1000 participants. NeuroImage, 2023, 265, 119765.	2.1	8
3465	Thalamocortical contributions to working memory processes during the n-back task. Neurobiology of Learning and Memory, 2023, 197, 107701.	1.0	2
3466	Temporal expectation based on the duration variability modulates alpha oscillations during working memory retention. NeuroImage, 2023, 265, 119789.	2.1	2
3467	BrainStat: A toolbox for brain-wide statistics and multimodal feature associations. NeuroImage, 2023, 266, 119807.	2.1	27
3468	HYDI-DSI revisited: Constrained non-parametric EAP imaging without q-space re-gridding. Medical Image Analysis, 2023, 84, 102728.	7.0	2
3469	Mixture Components Inference for Sparse Regression: Introduction and Application for Estimation of Neuronal Signal from fMRI BOLD. Applied Mathematical Modelling, 2023, 116, 735-748.	2.2	2
3470	An Arbitrary Scale Super-Resolution Approach for 3D MR Images via Implicit Neural Representation. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 1004-1015.	3.9	10
3471	DC^{2}U-Net: Tract Segmentation inÂBrain White Matter Using Dense Criss-Cross U-Net. Lecture Notes in Computer Science, 2022, , 115-124.	1.0	1
3472	Brain structure-function coupling is unique to individuals across multiple frequency bands: a graph signal processing study. , 2022, , .		0
3473	Fast Feature Extraction from Large Scale Connectome Data Sets Using Zero Crossing Counts Over Graphs. , 2022, , .		1
3474	Learning Similarity-Preserving Representations of Brain Structure-Function Coupling. , 2022, , .		1
3475	Improved White Matter Tract Segmentation for Unannotated Dataset. , 2022, , .		0

#	Article	IF	Citations
3476	Multisite <scp>testâ€“retest</scp> reliability and compatibility of brain metrics derived from <scp>FreeSurfer</scp> versions 7.1, 6.0, and 5.3. Human Brain Mapping, 2023, 44, 1515-1532.	1.9	9
3477	Functional Connectome of the Human Brain with Total Correlation. Entropy, 2022, 24, 1725.	1.1	7
3478	A cross-cohort replicable and heritable latent dimension linking behaviour to multi-featured brain structure. Communications Biology, 2022, 5, .	2.0	1
3480	Accelerated cortical thinning precedes and predicts conversion to psychosis: The NAPLS3 longitudinal study of youth at clinical high-risk. Molecular Psychiatry, 2023, 28, 1182-1189.	4.1	25
3481	å‘å±•äººå£ç¥žç»§ç‹¦ä¸šçš„è§„èŒƒåŒ–å»ºæ¨¡-é‡åŒ–è„‘æ™ºå‘å±•è§„å¾‹ä¸Žä¸ªä½“å·®å¼‚“æ¨¡å¾®è§‚&rd		
3482	Functional connectome stability and optimality are markers of cognitive performance. Cerebral Cortex, 2023, 33, 5025-5041.	1.6	8
3483	Are inter-subject functional correlations consistent across different movies?. Brain Imaging and Behavior, 2023, 17, 44-53.	1.1	1
3484	Optimized APPS-tDCS electrode position, size, and distance doubles the on-target stimulation magnitude in 3000 electric field models. Scientific Reports, 2022, 12, .	1.6	12
3486	Transfer Learning to Decode Brain States Reflecting the Relationship Between Cognitive Tasks. Communications in Computer and Information Science, 2023, , 110-122.	0.4	1
3487	The Genetically Informed Neurobiology of Addiction (GINA) model. Nature Reviews Neuroscience, 2023, 24, 40-57.	4.9	13
3488	Multiscale microscopy to decipher plant cell structure and dynamics. New Phytologist, 2023, 237, 1980-1997.	3.5	3
3489	Visualization of human optic nerve by diffusion tensor mapping and degree of neuropathy. PLoS ONE, 2022, 17, e0278987.	1.1	0
3491	Genetic influence on resting state networks in young male and female adults: a cartographer mapping study. Human Brain Mapping, 0, , .	1.9	0
3494	Model Averaging and Bootstrap Consensusâ€based Uncertainty Reduction in Diffusion MRI Tractography. Computer Graphics Forum, 0, , .	1.8	0
3495	Confounds in neuroimaging: A clear case of sex as a confound in brain-based prediction. Frontiers in Neurology, 0, 13, .	1.1	2
3496	Coordinated anatomical and functional variability in the human brain during adolescence. Human Brain Mapping, 2023, 44, 1767-1778.	1.9	2
3498	Temporal Mapper: Transition networks in simulated and real neural dynamics. Network Neuroscience, 2023, 7, 431-460.	1.4	2
3499	Research trends and hotspots on connectomes from 2005 to 2021: A bibliometric and latent Dirichlet allocation application study. Frontiers in Neuroscience, 0, 16, .	1.4	0

#	Article	IF	Citations
3503	Bayesian hierarchical modeling on covariance valued data. Stat, 2023, 12, .	0.3	0
3504	Review of Template-Based Neuroimaging Tools in Neuro-Oncology: Novel Insights. Onco, 2023, 3, 1-12.	0.2	0
3506	Test-retest reliability of modular-relevant analysis in brain functional network. Frontiers in Neuroscience, 0, 16, .	1.4	1
3508	Genetic underpinnings of brain structural connectome for young adults. Journal of the American Statistical Association, 0, , 1-26.	1.8	1
3509	Imaging genomics: data fusion in uncovering disease heritability. Trends in Molecular Medicine, 2023, 29, 141-151.	3.5	3
3510	The impact of regional heterogeneity in whole-brain dynamics in the presence of oscillations. Network Neuroscience, 2023, 7, 632-660.	1.4	3
3512	Increasing diversity in connectomics with the Chinese Human Connectome Project. Nature Neuroscience, 2023, 26, 163-172.	7.1	21
3513	Integration of structural brain networks is related to openness to experience: A diffusion MRI study with CSD-based tractography. Frontiers in Neuroscience, 0, 16, .	1.4	2
3515	Personalized visual encoding model construction with small data. Communications Biology, 2022, 5, .	2.0	2
3516	Automated hippocampal unfolding for morphometry and subfield segmentation with HippUnfold. ELife, 0, 11, .	2.8	19
3517	Confronting racially exclusionary practices in the acquisition and analyses of neuroimaging data. Nature Neuroscience, 2023, 26, 4-11.	7.1	39
3519	Toward Mapping Neurobehavioral Heterogeneity of Psychedelic Neurobiology in Humans. Biological Psychiatry, 2023, 93, 1061-1070.	0.7	23
3520	Auditory cortical connectivity in humans. Cerebral Cortex, 2023, 33, 6207-6227.	1.6	13
3523	Expanding connectomics to the laminar level: A perspective. Network Neuroscience, 2023, 7, 377-388.	1.4	3
3524	Identifying the midline thalamus in humans in vivo. Brain Structure and Function, 0, , .	1.2	0
3525	NeSVoR: Implicit Neural Representation for Slice-to-Volume Reconstruction in MRI. IEEE Transactions on Medical Imaging, 2023, 42, 1707-1719.	5.4	8
3526	Higher-order organization of multivariate time series. Nature Physics, 0, , .	6.5	13
3527	Revealing the neurobiology underlying interpersonal neural synchronization with multimodal data fusion. Neuroscience and Biobehavioral Reviews, 2023, 146, 105042.	2.9	7

#	Article	IF	Citations
3528	Individual theta-band cortical entrainment to speech in quiet predicts word-in-noise comprehension. Cerebral Cortex Communications, 2023, 4, .	0.7	2
3529	Deep learning prediction of diffusion MRI data with microstructure-sensitive loss functions. Medical Image Analysis, 2023, 85, 102742.	7.0	1
3530	Characterizing Heterogeneity in Early Adolescent Reward Networks and Individualized Associations with Behavioral and Clinical Outcomes. Network Neuroscience, 0, , 1-48.	1.4	1
3531	Preoperative language tract integrity is a limiting factor in recovery from aphasia after glioma surgery. NeuroImage: Clinical, 2023, 37, 103310.	1.4	3
3532	A structural connectivity atlas of limbic brainstem nuclei. , 0, 1, .		1
3533	Stress and the brain: Emotional support mediates the association between myelination in the right supramarginal gyrus and perceived chronic stress. Neurobiology of Stress, 2023, 22, 100511.	1.9	4
3535	Pulvinar Response Profiles and Connectivity Patterns to Object Domains. Journal of Neuroscience, 2023, 43, 812-826.	1.7	1
3536	Developmental and aging resting functional magnetic resonance imaging brain state adaptations in adolescents and adults: A large N (><scp>47K</scp>) study. Human Brain Mapping, 2023, 44, 2158-2175.	1.9	3
3537	An Information-Theoretic Analysis of Resting-State versus Task fMRI. Network Neuroscience, 0, , 1-39.	1.4	0
3539	Eagle-449: A volumetric, whole-brain compilation of brain atlases for vestibular functional MRI research. Scientific Data, 2023, 10, .	2.4	0
3540	Evaluating testâ€“retest reliability and sexâ€ageâ€related effects on temporal clustering coefficient of dynamic functional brain networks. Human Brain Mapping, 2023, 44, 2191-2208.	1.9	9
3541	A unified global tractography framework for automatic visual pathway reconstruction. NMR in Biomedicine, 0, , .	1.6	1
3542	Gyral peaks and patterns in human brains. Cerebral Cortex, 2023, 33, 6708-6722.	1.6	1
3543	Sources of residual autocorrelation in multiband task fMRI and strategies for effective mitigation. Frontiers in Neuroscience, 0, 16, .	1.4	0
3544	Why weight? Analytic approaches for large-scale population neuroscience data. Developmental Cognitive Neuroscience, 2023, 59, 101196.	1.9	9
3545	BrainTGL: A dynamic graph representation learning model for brain network analysis. Computers in Biology and Medicine, 2023, 153, 106521.	3.9	10
3546	Normative models for neuroimaging markers: Impact of model selection, sample size and evaluation criteria. NeuroImage, 2023, 268, 119864.	2.1	6
3547	No evidence of theory of mind reasoning in the human language network. Cerebral Cortex, 2023, 33, 6299-6319.	1.6	7

#	Article	IF	Citations
3548	Flickering Emergences: The Question of Locality in Information-Theoretic Approaches to Emergence. Entropy, 2023, 25, 54.	1.1	8
3549	Domain Adaptation for Medical Image Classification without Source Data. , 2022, , .		2
3550	Functional alteration due to structural damage is network dependent: insight from multiple sclerosis. Cerebral Cortex, 2023, 33, 6090-6102.	1.6	1
3551	A machine learning based approach towards high-dimensional mediation analysis. NeuroImage, 2023, 268, 119843.	2.1	3
3552	Single voxel autocorrelation uncovers gradients of temporal dynamics in the hippocampus and entorhinal cortex during rest and navigation. Cerebral Cortex, 2023, 33, 3265-3283.	1.6	5
3553	Somatic symptoms mediate the association between subclinical anxiety and depressive symptoms and its neuroimaging mechanisms. BMC Psychiatry, 2022, 22, .	1.1	3
3554	Multi-modal Dynamic Graph Network: Coupling Structural and Functional Connectome for Disease Diagnosis and Classification. , 2022, , .		2
3555	A Multi-Scale Multi-Hop Graph Convolution Network for Predicting Fluid Intelligence via Functional Connectivity. , 2022, , .		0
3556	A generalizable connectome-based marker of in-scan sustained attention in neurodiverse youth. Cerebral Cortex, 0, , .	1.6	1
3557	A review of functional MRI application for brain research of Chinese language processing. Magnetic Resonance Letters, 2023, 3, 1-13.	0.7	1
3558	Robust dynamic brain coactivation states estimated in individuals. Science Advances, 2023, 9, .	4.7	21
3561	A comprehensive study on atlas-based classification of autism spectrum disorder using functional connectivity features from resting-state functional magnetic resonance imaging. , 2023, , 269-296.		1
3562	Connectivity-based parcellation of the amygdala and identification of its main white matter connections. Scientific Reports, 2023, 13, .	1.6	1
3563	Weakly supervised perivascular spaces segmentation with salient guidance of Frangi filter. Magnetic Resonance in Medicine, 2023, 89, 2419-2431.	1.9	3
3564	Advances in Neuroanatomy through Brain Atlasing. , 2023, 2, 28-42.		3
3565	Multiway Spherical Clustering via Degree-Corrected Tensor Block Models. IEEE Transactions on Information Theory, 2023, , 1-1.	1.5	0
3566	Mapping myelin in white matter with T1-weighted/T2-weighted maps: discrepancy with histology and other myelin MRI measures. Brain Structure and Function, 2023, 228, 525-535.	1.2	11
3568	Robust associations between white matter microstructure and general intelligence. Cerebral Cortex, 2023, 33, 6723-6741.	1.6	3

#	Article	IF	Citations
3571	Statistical power in network neuroscience. Trends in Cognitive Sciences, 2023, 27, 282-301.	4.0	18
3572	Distributed harmonic patterns of structure-function dependence orchestrate human consciousness. Communications Biology, 2023, 6, .	2.0	16
3573	Pre- and post-task resting-state differs in clinical populations. NeuroImage: Clinical, 2023, 37, 103345.	1.4	2
3574	Inter-rater reliability of functional MRI data quality control assessments: A standardised protocol and practical guide using pyfMRIqc. Frontiers in Neuroscience, 0, 17, .	1.4	1
3575	Discovering Wiring Patterns Influencing Neural Network Performance. Lecture Notes in Computer Science, 2023, , 631-646.	1.0	1
3576	Unsupervised Anomaly Segmentation forÂBrain Lesions Using Dual Semantic-Manifold Reconstruction. Lecture Notes in Computer Science, 2023, , 133-144.	1.0	1
3577	The Action Cycle Theory of Perception and Mental Imagery. Vision (Switzerland), 2023, 7, 12.	0.5	1
3578	A Riemannian Framework for Structurally Curated Functional Clustering of Brain White Matter Fibers. IEEE Transactions on Medical Imaging, 2023, , 1-1.	5.4	0
3579	Organoid intelligence (OI): the new frontier in biocomputing and intelligence-in-a-dish. , 2023, 1, .		49
3580	Topology of the lateral visual system: The fundus of the superior temporal sulcus and parietal area H connect nonvisual cerebrum to the lateral occipital lobe. Brain and Behavior, 2023, 13, .	1.0	3
3581	Functional magnetic resonance imaging of headache: Issues, bestâ€practices, and new directions, a narrative review. Headache, 2023, 63, 309-321.	1.8	3
3582	Altered Brain Dynamics Across Bipolar Disorder and Schizophrenia During Rest and Task Switching Revealed by Overlapping Brain States. Biological Psychiatry, 2023, 94, 580-590.	0.7	2
3583	Using synthetic MR images for distortion correction. Developmental Cognitive Neuroscience, 2023, 60, 101234.	1.9	3
3584	An attention-based context-informed deep framework for infant brain subcortical segmentation. NeuroImage, 2023, 269, 119931.	2.1	1
3585	Statistical Inferences for Complex Dependence of Multimodal Imaging Data. Journal of the American Statistical Association, 0, , 1-14.	1.8	0
3586	Nabilone treatment for severe behavioral problems in adults with intellectual and developmental disabilities: Protocol for a phase I open-label clinical trial. PLoS ONE, 2023, 18, e0282114.	1.1	0
3587	Graphâ€matching distance between individuals' functional connectomes varies with relatedness, age, and cognitive score. Human Brain Mapping, 0, , .	1.9	1
3588	Cortical gradients during naturalistic processing are hierarchical and modality-specific. NeuroImage, 2023, 271, 120023.	2.1	8

#	Article	IF	Citations
3589	A microstructure estimation Transformer inspired by sparse representation for diffusion MRI. Medical Image Analysis, 2023, 86, 102788.	7.0	3
3590	The psychosis human connectome project: Design and rationale for studies of visual neurophysiology. NeuroImage, 2023, 272, 120060.	2.1	2
3591	Omnipresence of the sensorimotor-association axis topography in the human connectome. NeuroImage, 2023, 272, 120059.	2.1	4
3592	Conscientiousness associated with efficiency of the salience/ventral attention network: Replication in three samples using individualized parcellation. NeuroImage, 2023, 272, 120081.	2.1	5
3593	ModelArray: An R package for statistical analysis of fixel-wise data. NeuroImage, 2023, 271, 120037.	2.1	1
3594	Spatially regularized low-rank tensor approximation for accurate and fast tractography. NeuroImage, 2023, 271, 120004.	2.1	1
3595	Brain working memory network indices as landmarks of intelligence. NeuroImage Reports, 2023, 3, 100165.	0.5	1
3596	Brief mock-scan training reduces head motion during real scanning for children: A growth curve study. Developmental Cognitive Neuroscience, 2023, 61, 101244.	1.9	2
3597	Sex differences in brain volumes and psychological distress: The first hundred brains cohort of the longitudinal adolescent brain study. NeuroImage Reports, 2023, 3, 100167.	0.5	2
3598	Functional hyperconnectivity between corticocerebellar networks and altered decision making in young adult cannabis users: Evidence from 7T and multivariate pattern analysis. Psychiatry Research - Neuroimaging, 2023, 331, 111613.	0.9	0
3599	Trait absorption is not reliably associated with brain structure or resting-state functional connectivity. NeuroImage Reports, 2023, 3, 100171.	0.5	0
3600	Deep fiber clustering: Anatomically informed fiber clustering with self-supervised deep learning for fast and effective tractography parcellation. NeuroImage, 2023, 273, 120086.	2.1	6
3602	Learning task-agnostic and interpretable subsequence-based representation of time series and its applications in fMRI analysis. Neural Networks, 2023, 163, 327-340.	3.3	0
3603	Brain perivascular space imaging across the human lifespan. NeuroImage, 2023, 271, 120009.	2.1	9
3604	Benchmarking explanation methods for mental state decoding with deep learning models. NeuroImage, 2023, 273, 120109.	2.1	2
3605	Blind Super-Resolution of 3D MRI via Unsupervised Domain Transformation. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 1409-1418.	3.9	3
3606	Global diversity in individualized cortical network topography. Cerebral Cortex, 0, , .	1.6	0
3607	fMRI functional connectivity is a better predictor of general intelligence than cortical morphometric features and ICA parcellation order affects predictive performance. Intelligence, 2023, 97, 101727.	1.6	1

#	Article	IF	Citations
3608	Computing personalized brain functional networks from fMRI using self-supervised deep learning. Medical Image Analysis, 2023, 85, 102756.	7.0	10
3609	Superficial white matter analysis: An efficient point-cloud-based deep learning framework with supervised contrastive learning for consistent tractography parcellation across populations and dMRI acquisitions. Medical Image Analysis, 2023, 85, 102759.	7.0	14
3610	Topological learning for brain networks. Annals of Applied Statistics, 2023, 17, .	0.5	5
3611	A comparison of manual and automated neural architecture search for white matter tract segmentation. Scientific Reports, 2023, 13, .	1.6	1
3612	Transforming medical imaging with Transformers? A comparative review of key properties, current progresses, and future perspectives. Medical Image Analysis, 2023, 85, 102762.	7.0	53
3613	Comparing models of information transfer in the structural brain network and their relationship to functional connectivity: diffusion versus shortest path routing. Brain Structure and Function, 2023, 228, 651-662.	1.2	2
3614	A spatiotemporal complexity architecture of human brain activity. Science Advances, 2023, 9, .	4.7	8
3615	SynthSR: A public AI tool to turn heterogeneous clinical brain scans into high-resolution T1-weighted images for 3D morphometry. Science Advances, 2023, 9, .	4.7	22
3616	Characteristic cortico-cortical connection profile of human precuneus revealed by probabilistic tractography. Scientific Reports, 2023, 13, .	1.6	6
3617	Revealing the spatiotemporal requirements for accurate subject identification with resting-state functional connectivity: a simultaneous fNIRS-fMRI study. Neurophotonics, 2023, 10, .	1.7	3
3621	The intracortical myelin content of impulsive choices: results from T1- and T2-weighted MRI myelin mapping. Cerebral Cortex, 0, , .	1.6	0
3622	TW-BAG: Tensor-wise Brain-aware Gate Network for Inpainting Disrupted Diffusion Tensor Imaging. , 2022, , .		0
3626	The language-related cerebro-cerebellar pathway in humans: a diffusion imagingâ€“based tractographic study. Quantitative Imaging in Medicine and Surgery, 2023, 13, 1399-1416.	1.1	3
3627	Functional connectivity fingerprints of the frontal eye field and inferior frontal junction suggest spatial versus nonspatial processing in the prefrontal cortex. European Journal of Neuroscience, 2023, 57, 1114-1140.	1.2	3
3628	Neuroanatomical Localization of Rapid Eye Movement Sleep Behavior Disorder in Human Brain Using Lesion Network Mapping. Korean Journal of Radiology, 2023, 24, 247.	1.5	0
3629	Health Risk Measurement and Assessment Technology: Current State and Future Prospect. , 0, , .		0
3630	Perspective Chapter: Functional Human Brain Connectome in Deep Brain Stimulation (DBS) for Parkinsonâ€™s Disease (PD). , 0, , .		0
3632	Neural Registration andÂSegmentation ofÂWhite Matter Tracts inÂMulti-modal Brain MRI. Lecture Notes in Computer Science, 2023, , 252-267.	1.0	1

#	Article	IF	Citations
3633	Brain network mapping and glioma pathophysiology. Brain Communications, 2023, 5, .	1.5	2
3635	Parameter estimation for connectome generative models: Accuracy, reliability, and a fast parameter fitting method. NeuroImage, 2023, 270, 119962.	2.1	8
3637	Executive control network resting state fMRI functional and effective connectivity and delay discounting in cocaine dependent subjects compared to healthy controls. Frontiers in Psychiatry, 0, 14, .	1.3	1
3638	Diffusion Measures of Subcortical Structures Using High-Field MRI. Brain Sciences, 2023, 13, 391.	1.1	0
3639	Reliability and clinical utility of spatially constrained estimates of intrinsic functional networks from very short <scp>fMRI</scp> scans. Human Brain Mapping, 2023, 44, 2620-2635.	1.9	6
3640	Less is more: balancing noise reduction and data retention in fMRI with data-driven scrubbing. NeuroImage, 2023, 270, 119972.	2.1	2
3645	Explainable <scp>fMRI</scp>â€based brain decoding via spatial temporalâ€pyramid graph convolutional network. Human Brain Mapping, 2023, 44, 2921-2935.	1.9	5
3647	Next generation neural population models. Frontiers in Applied Mathematics and Statistics, 0, 9, .	0.7	8
3648	Superficial white matter shape characterization using hierarchical clustering and a multi-subject bundle atlas. , 2023, , .		0
3649	Can incomplete silver standard labels improve performance of DTI-based volumetric segmentation of the corpus callosum?. , 2023, , .		0
3650	Hand preference and the corpus callosum: Is there really no association?. NeuroImage Reports, 2023, 3, 100160.	0.5	2
3651	Automatic segmentation of the choroid plexuses: Method and validation in controls and patients with multiple sclerosis. NeuroImage: Clinical, 2023, 38, 103368.	1.4	11
3652	MFCSC:ÂNovel method to calculate mismatch between functional and structural brain connectomes, and its application for detecting hemispheric functional specialisations. Scientific Reports, 2023, 13, .	1.6	1
3653	Communication dynamics in the human connectome shape the cortex-wide propagation of direct electrical stimulation. Neuron, 2023, 111, 1391-1401.e5.	3.8	11
3654	Comparison of uniformâ€density, variableâ€density, and dualâ€density spiral samplings for multiâ€shot DWI. Magnetic Resonance in Medicine, 0, , .	1.9	0
3655	Multivariate BWAS can be replicable with moderate sample sizes. Nature, 2023, 615, E4-E7.	13.7	36
3656	Identification for the cortical 3-Hinges folding pattern based on cortical morphological and structural features. Frontiers in Neuroscience, 0, 17, .	1.4	0
3657	Path Weights Analyses in a Shallow Neural Network to Reach Explainable Artificial Intelligence (XAI) of fMRI Data. Lecture Notes in Computer Science, 2023, , 417-431.	1.0	3

#	Article	IF	Citations
3658	Propofol disrupts alpha dynamics in functionally distinct thalamocortical networks during loss of consciousness. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	8
3659	A machine learningâ€derived neuroanatomical pattern predicts delayed reward discounting in the Human Connectome Project Young Adult sample. Journal of Neuroscience Research, 2023, 101, 1125-1137.	1.3	3
3664	Effect of channel density, inverse solutions and connectivity measures on EEG resting-state networks reconstruction: A simulation study. NeuroImage, 2023, 271, 120006.	2.1	4
3665	Evidence for embracing normative modeling. ELife, 0, 12, .	2.8	18
3666	Superconducting magnet designs and MRI accessibility: A review. NMR in Biomedicine, 2023, 36, .	1.6	6
3667	Minimizing the distortions in electrophysiological source imaging of cortical oscillatory activity via Spectral Structured Sparse Bayesian Learning. Frontiers in Neuroscience, 0, 17, .	1.4	1
3669	Structural and functional asymmetry of the neonatal cerebral cortex. Nature Human Behaviour, 2023, 7, 942-955.	6.2	13
3670	Phenotyping Superagers Using Resting-State fMRI. American Journal of Neuroradiology, 2023, 44, 424-433.	1.2	0
3671	Mapping cross-species connectome atlas of human and macaque striatum. Cerebral Cortex, 0, , .	1.6	0
3673	Sex differences in resting state functional connectivity across the first two years of life. Developmental Cognitive Neuroscience, 2023, 60, 101235.	1.9	2
3674	Neurobiology of Treatment in Pediatric Anxiety Disorders. Child and Adolescent Psychiatric Clinics of North America, 2023, 32, 589-600.	1.0	1
3675	Artificial intelligence technology in MR neuroimaging. Ð•radiologistâ€™s perspective. , 2023, 3, 6-17.		0
3676	A charge analysis of non-invasive electrical brain stimulation. American Journal of Physics, 2023, 91, 264-277.	0.3	0
3677	Functional Magnetic Resonance Imaging (fMRI) of Interpersonal Aggression. , 2023, , 1-15.		0
3681	Dissociation between phase and power correlation networks in the human brain is driven by co-occurrent bursts. Communications Biology, 2023, 6, .	2.0	4
3683	A consensus protocol for functional connectivity analysis in the rat brain. Nature Neuroscience, 2023, 26, 673-681.	7.1	25
3686	Heritability of human â€œdirectedâ€•functional connectome. Brain and Behavior, 2023, 13, .	1.0	1
3687	Pushing the limits of lowâ€cost ultraâ€lowâ€field <scp>MRI</scp> byÂdualâ€acquisition deep learning <scp>3D</scp> superresolution. Magnetic Resonance in Medicine, 2023, 90, 400-416.	1.9	8

#	Article	IF	Citations
3689	Deep constrained spherical deconvolution for robust harmonization. , 2023, , .		1
3690	QuNexâ€"An integrative platform for reproducible neuroimaging analytics. Frontiers in Neuroinformatics, 0, 17, .	1.3	7
3691	DrDisco: Deep Registration for Distortion Correction of diffusion MRI with single phase-encoding. , 2023, , .		2
3694	Stacking multiple optimal transport policies to map functional connectomes. , 2023, , .		0
3695	Altered brain structural and functional connectivity in cannabis users. Scientific Reports, 2023, 13, .	1.6	0
3696	Functional Magnetic Resonance Imaging (fMRI) of Interpersonal Aggression. , 2023, , 1-15.		0
3698	Correspondence of functional connectivity gradients across human isocortex, cerebellum, and hippocampus. Communications Biology, 2023, 6, .	2.0	12
3700	Unsupervised cycleâ€consistent network using restricted subspace field map for removing susceptibility artifacts inÂ<scp>EPI</scp>. Magnetic Resonance in Medicine, 2023, 90, 458-472.	1.9	2
3701	Deep Learning Approaches for Data Augmentation in Medical Imaging: A Review. Journal of Imaging, 2023, 9, 81.	1.7	21
3702	As without, so within: how the brain's temporo-spatial alignment to the environment shapes consciousness. Interface Focus, 2023, 13, .	1.5	5
3703	Merged magnetic resonance and light sheet microscopy of the whole mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	15
3704	Impact of Amplitude and Phase of fMRI time series for Functional Connectivity Analysis. Magnetic Resonance Imaging, 2023, 102, 26-37.	1.0	1
3706	Functional gradients of the medial parietal cortex in a healthy cohort with family history of sporadic Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2023, 15, .	3.0	0
3707	A new open, high-resolution, multishell, diffusion-weighted imaging dataset of the living squirrel monkey. Scientific Data, 2023, 10, .	2.4	1
3708	Evolution of cortical geometry and its link to function, behaviour and ecology. Nature Communications, 2023, 14, .	5.8	5
3709	Image harmonization: A review of statistical and deep learning methods for removing batch effects and evaluation metrics for effective harmonization. NeuroImage, 2023, 274, 120125.	2.1	19
3710	An Investigation of Age-related Neuropathophysiology in Autism Spectrum Disorder Using Fixel-based Analysis of Corpus Callosum White Matter Micro- and Macrostructure. Journal of Autism and Developmental Disorders, 0, , .	1.7	2
3712	Accurate corresponding fiber tract segmentation via FiberGeoMap learner with application to autism. Cerebral Cortex, 2023, 33, 8405-8420.	1.6	1

#	Article	IF	Citations
3715	Accurate Bayesian segmentation of thalamic nuclei using diffusion MRI and an improved histological atlas. NeuroImage, 2023, 274, 120129.	2.1	3
3716	Functional Connectivity of White Matter and Its Association with Sleep Quality. Nature and Science of Sleep, 0, Volume 15, 287-300.	1.4	2
3717	Semi-Supervised Embedding of Attributed Multiplex Networks. , 2023, , .		0
3724	Topgformer: Topological-Based Graph Transformer for Mapping Brain Structural Connectivity to Functional Connectivity. , 2023, , .		0
3740	Medial Tractography Analysis (MeTA) for White Matter Population Analyses Across Datasets. , 2023, , .		1
3754	ReX: an integrative tool for quantifying and optimizing measurement reliability for the study of individual differences. Nature Methods, 2023, 20, 1025-1028.	9.0	8
3760	Better Generalization ofÂWhite Matter Tract Segmentation toÂArbitrary Datasets withÂScaled Residual Bootstrap. Lecture Notes in Computer Science, 2023, , 629-640.	1.0	0
3761	Species-Shared andÂ-Specific Brain Functional Connectomes Revealed byÂShared-Unique Variational Autoencoder. Lecture Notes in Computer Science, 2023, , 41-52.	1.0	0
3771	Correcting ghost in single-shot spatiotemporal encoding by deep learning. , 2023, , .		0
3784	Transparent Machine Learning Algorithms forÂExplainable AI onÂMotor fMRI Data. Lecture Notes in Computer Science, 2023, , 413-427.	1.0	0
3794	Graph Signal Processing For Neurogimaging to Reveal Dynamics of Brain Structure-Function Coupling. , 2023, , .		0
3796	Interpretable Nonnegative Incoherent Deep Dictionary Learning for FMRI Data Analysis. , 2023, , .		0
3816	Improved Tractography by Means of DL-based DWI Image Enhancement. Informatik Aktuell, 2023, , 64-69.	0.4	0
3834	Deep learning with connectomes. , 2023, , 289-308.		0
3836	Time-varying functional connectivity. , 2023, , 277-296.		0
3839	Advances in resting-state fMRI acquisition: Highly accelerated fMRI. , 2023, , 255-275.		0
3840	Systemic low-frequency oscillations in resting-state fMRI. , 2023, , 155-173.		0
3867	Main Existing Datasets for Open Brain Research on Humans. Neuromethods, 2023, , 753-804.	0.2	0

#	Article	IF	Citations
3882	The Statistical Analysis of the Varying Brain. , 2023, , .		0
3894	Functional Magnetic Resonance Imaging (fMRI) of Interpersonal Aggression. , 2023, , 1775-1789.		0
3900	Tractgraphcnn: Anatomically Informed Graph CNN for Classification Using Diffusion MRI Tractography. , 2023, , .		0
3901	Spatial-Temporal Convolutional Attention for Mapping Functional Brain Networks. , 2023, , .		2
3903	A Deep Learning Framework for Estimating Multi-Fiber PICASO Model Parameters of Tissue Microstructure Using Diffusion MRI. , 2023, , .		0
3904	A Deep Learning Framework to Localize the Epileptogenic Zone from Dynamic Functional Connectivity Using a Combined Graph Convolutional and Transformer Network. , 2023, , .		0
3905	DEEPRGVP: A novel microstructure-informed supervised contrastive learning framework for automated identification of the retinogeniculate pathway using dMRI tractography. , 2023, , .		2
3908	The challenges and prospects of brain-based prediction of behaviour. Nature Human Behaviour, 2023, 7, 1255-1264.	6.2	5
3922	Neuralizer: General Neuroimage Analysis without Re-Training. , 2023, , .		1
3927	Higher-Order Organization in the Human Brain From Matrix-Based RÃ©nyiâ€™s Entropy. , 2023, , .		1
3937	Brain Fingerprinting Using FMRI Spectral Signatures On High-Resolution Cortical Graphs. , 2023, , .		0
3938	Self-Supervised Mental Disorder Classifiers via Time Reversal. , 2023, , .		0
3951	Seeing Beyond the Brain: Conditional Diffusion Model with Sparse Masked Modeling for Vision Decoding. , 2023, , .		12
3954	Brain Surface Can Predict Fiber Connections. , 2023, , .		0
3955	Self-Supervised Arbitrary Scale Super-Resolution Framework for Anisotropic MRI. , 2023, , .		1
3956	A Registration- and Uncertainty-Based Framework for White Matter Tract Segmentation with Only One Annotated Subject. , 2023, , .		2
3957	GeoLab: Geometry-Based Tractography Parcellation of Superficial White Matter. , 2023, , .		1
3958	Tractography-Based Parcellation of Cerebellar Dentate Nuclei via a Deep Nonnegative Matrix Factorization Clustering Method. , 2023, , .		0

#	Article	IF	Citations
3959	Selective Visual Attention Revealed by Integrating FMRI and Eye-Tracking. , 2023, , .		0
3960	Incomplete Hippocampal Inversion and Hippocampal Subfield Volumes: Implementation and Inter-Reliability of Automatic Segmentation. , 2023, , .		1
3979	Retinogeniculate Visual Pathway Reconstruction Using Reinforcement Learning. , 2023, , .		0
3993	Microstructure Fingerprinting forÂHeterogeneously Oriented Tissue Microenvironments. Lecture Notes in Computer Science, 2023, , 131-141.	1.0	1
3994	$$mathrm {H^{2}}$$GM: A Hierarchical Hypergraph Matching Framework forÂBrain Landmark Alignment. Lecture Notes in Computer Science, 2023, , 548-558.	1.0	0
3995	TractCloud: Registration-Free Tractography Parcellation withÂaÂNovel Local-Global Streamline Point Cloud Representation. Lecture Notes in Computer Science, 2023, , 409-419.	1.0	0
3996	A Coupled-Mechanisms Modelling Framework forÂNeurodegeneration. Lecture Notes in Computer Science, 2023, , 459-469.	1.0	1
3998	Towards Accurate Microstructure Estimation viaÂ3D Hybrid Graph Transformer. Lecture Notes in Computer Science, 2023, , 25-34.	1.0	0
3999	Enhance Early Diagnosis Accuracy ofÂAlzheimerâ€™s Disease byÂElucidating Interactions Between Amyloid Cascade andÂTau Propagation. Lecture Notes in Computer Science, 2023, , 66-76.	1.0	0
4000	Bidirectional Mapping withÂContrastive Learning onÂMultimodal Neuroimaging Data. Lecture Notes in Computer Science, 2023, , 138-148.	1.0	2
4001	A Transfer Learning Approach toÂLocalising aÂDeep Brain StimulationÂTarget. Lecture Notes in Computer Science, 2023, , 176-185.	1.0	0
4002	Joint Representation of Functional and Structural Profiles for Identifying Common and Consistent 3-Hinge Gyral Folding Landmark. Lecture Notes in Computer Science, 2023, , 163-172.	1.0	0
4007	A Three-Player GAN forÂSuper-Resolution inÂMagnetic Resonance Imaging. Lecture Notes in Computer Science, 2023, , 23-33.	1.0	1
4033	Neural Basis of Language, a Comprehensive Update for Neurosurgeons. , 2023, , 135-173.		0
4043	Geometry-structure models for liquid crystal interfaces, drops and membranes: wrinkling, shape selection and dissipative shape evolution. Soft Matter, 0, , .	1.2	0
4056	Neural Video: A Novel Framework for Interpreting the Spatiotemporal Activities of the Human Brain. Lecture Notes in Computer Science, 2023, , 48-56.	1.0	0
4105	Editorial: Modern statistical learning strategies in imaging genetics, volume II. Frontiers in Neuroscience, 0, 17, .	1.4	0
4114	Dynamic transitions of functional brain connectivity during a working memory task. , 2023, , .		0

#	Article	IF	Citations
4115	Phase and amplitude, two sides of functional connectivity. , 2023, , .		0
4122	Natural Image Reconstruction from fMRI Based on Self-supervised Representation Learning and Latent Diffusion Model. , 2023, , .		1
4125	Web-Based AI System forÂMedical Image Segmentation. Lecture Notes in Computer Science, 2024, , 231-241.	1.0	0
4128	Relationships Between Brain Intrinsic Connectivity Networks and Measures of Cognition and Emotion: A Study of the Human Connectome Project Data*. , 2023, , .		0
4140	DISGAN: Wavelet-informed Discriminator Guides GAN to MRI Super-resolution with Noise Cleaning. , 2023, , .		0
4141	Spatial-Temporal Graph Convolutional Network forÂInsomnia Classification viaÂBrain Functional Connectivity Imaging ofÂrs-fMRI. Lecture Notes in Computer Science, 2024, , 110-121.	1.0	0
4154	Altered Dynamic Functional Network Connectivity in Healthy Adults with Acute Pain: Findings from the Human Connectome Project *. , 2023, , .		0
4155	Dominant Control Set Selection in Clustered Complex Brain Network. , 2023, , .		0
4156	Along-Tract Parameterization of White Matter Microstructure using Medial Tractography Analysis (MeTA). , 2023, , .		0
4167	Precision neuroimaging. , 2023, , .		0
4176	Linking Neural Activity to Image Stimuli Through Convolutional Neural Networks: A Methodology. , 2023, , .		0
4177	BrainPST: Pre-training Stacked Transformers for Dynamic Brain Functional Network Analysis. , 2023, , .		0
4179	FMRI-Guided Time-Symmetric Joint Model for Visual Attention Prediction. , 2023, , .		0
4199	Medical image super-resolution. , 2024, , 321-387.		0
4205	BundleSeg: A Versatile, Reliable andÂReproducible Approach toÂWhite Matter Bundle Segmentation. Lecture Notes in Computer Science, 2023, , 47-57.	1.0	0
4206	Voxlines: Streamline Transparency Through Voxelization andÂView-Dependent Line Orders. Lecture Notes in Computer Science, 2023, , 92-103.	1.0	0
4207	Neural Spherical Harmonics forÂStructurally Coherent Continuous Representation ofÂDiffusion MRI Signal. Lecture Notes in Computer Science, 2023, , 1-12.	1.0	0
4208	A Unified Learning Model forÂEstimating Fiber Orientation Distribution Functions onÂHeterogeneous Multi-shell Diffusion-Weighted MRI. Lecture Notes in Computer Science, 2023, , 13-22.	1.0	0

#	Article	IF	Citations
4209	Anisotropic Fanning Aware Low-Rank Tensor Approximation Based Tractography. Lecture Notes in Computer Science, 2023, , 140-151.	1.0	0
4210	Automatic Fast andÂReliable Recognition ofÂaÂSmall Brain White Matter Bundle. Lecture Notes in Computer Science, 2023, , 70-79.	1.0	0
4211	Automated Mapping ofÂResidual Distortion Severity inÂDiffusion MRI. Lecture Notes in Computer Science, 2023, , 58-69.	1.0	0
4218	DouGNN: An End-to-End Deep Learning Framework for Predicting Individual Behaviors from fMRI Data. , 2023, , .		0
4233	Big and deep data aggregation and analysis strategies for human neuroscience. , 2024, , .		0
4279	A Self-Similarity Logic May Shape the Organization of the Nervous System. Advances in Neurobiology, 2024, , 203-225.	1.3	0