

Vd Calhoun

List of Publications by Year in descending order

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1,005
papers

71,864
citations

764

119
h-index

1489

219
g-index

1105
all docs

1105
docs citations

1105
times ranked

38809
citing authors

#	ARTICLE	IF	CITATIONS
1	Disrupted Dynamic Functional Network Connectivity Among Cognitive Control Networks in the Progression of Alzheimer's Disease. <i>Brain Connectivity</i> , 2023, 13, 334-343.	0.8	24
2	<scp>BrainForge</scp>: An online data analysis platform for integrative neuroimaging acquisition, analysis, and sharing. <i>Concurrency Computation Practice and Experience</i> , 2023, 35, .	1.4	2
3	An Interpretable and Predictive Connectivity-Based Neural Signature for Chronic Cannabis Use. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2023, 8, 320-330.	1.1	4
4	Greater male than female variability in regional brain structure across the lifespan. <i>Human Brain Mapping</i> , 2022, 43, 470-499.	1.9	76
5	Data sharing and privacy issues in neuroimaging research: Opportunities, obstacles, challenges, and monsters under the bed. <i>Human Brain Mapping</i> , 2022, 43, 278-291.	1.9	70
6	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the <scp>ENIGMA</scp> working groups on <scp>CNVs</scp>. <i>Human Brain Mapping</i> , 2022, 43, 300-328.	1.9	30
7	Mapping relationships among schizophrenia, bipolar and schizoaffective disorders: A deep classification and clustering framework using fMRI time series. <i>Schizophrenia Research</i> , 2022, 245, 141-150.	1.1	25
8	Multi-spatial-scale dynamic interactions between functional sources reveal sex-specific changes in schizophrenia. <i>Network Neuroscience</i> , 2022, 6, 357-381.	1.4	29
9	NeuroCrypt: Machine Learning Over Encrypted Distributed Neuroimaging Data. <i>Neuroinformatics</i> , 2022, 20, 91-108.	1.5	6
10	An Approach to Automatically Label and Order Brain Activity/Component Maps. <i>Brain Connectivity</i> , 2022, 12, 85-95.	0.8	5
11	Lateralization of Resting-State Networks in Children: Association with Age, Sex, Handedness, Intelligence Quotient, and Behavior. <i>Brain Connectivity</i> , 2022, 12, 246-259.	0.8	9
12	Tri-Clustering Dynamic Functional Network Connectivity Identifies Significant Schizophrenia Effects Across Multiple States in Distinct Subgroups of Individuals. <i>Brain Connectivity</i> , 2022, 12, 61-73.	0.8	9
13	Whole-Brain Functional Connectivity Dynamics Associated With Electroconvulsive Therapy Treatment Response. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 312-322.	1.1	5
14	A <scp>meta-analysis</scp> of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the <scp>ENIGMA Consortium</scp>. <i>Human Brain Mapping</i> , 2022, 43, 352-372.	1.9	39
15	Low-Rank Tucker-2 Model for Multi-Subject fMRI Data Decomposition With Spatial Sparsity Constraint. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 667-679.	5.4	11
16	Global urbanicity is associated with brain and behaviour in young people. <i>Nature Human Behaviour</i> , 2022, 6, 279-293.	6.2	24
17	Atypical dynamic functional network connectivity state engagement during social emotional processing in schizophrenia and autism. <i>Cerebral Cortex</i> , 2022, 32, 3406-3422.	1.6	6
18	ENIGMA+COINSTAC: Improving Findability, Accessibility, Interoperability, and Re-usability. <i>Neuroinformatics</i> , 2022, 20, 261-275.	1.5	5

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19	Federated Analysis of Neuroimaging Data: A Review of the Field. <i>Neuroinformatics</i> , 2022, 20, 377-390.	1.5	11
20	Three-way parallel group independent component analysis: Fusion of spatial and spatiotemporal magnetic resonance imaging data. <i>Human Brain Mapping</i> , 2022, 43, 1280-1294.	1.9	10
21	Multimodal MRI data fusion reveals distinct structural, functional and neurochemical correlates of heavy cannabis use. <i>Addiction Biology</i> , 2022, 27, e13113.	1.4	14
22	Individual differences in amygdala volumes predict changes in functional connectivity between subcortical and cognitive control networks throughout adolescence. <i>NeuroImage</i> , 2022, 247, 118852.	2.1	3
23	Individualized spatial network predictions using Siamese convolutional neural networks: A resting-state fMRI study of over 11,000 unaffected individuals. <i>PLoS ONE</i> , 2022, 17, e0249502.	1.1	3
24	Trauma moderates the development of the oscillatory dynamics serving working memory in a sex-specific manner. <i>Cerebral Cortex</i> , 2022, 32, 5206-5215.	1.6	5
25	A novel 5D brain parcellation approach based on spatio-temporal encoding of resting fMRI data from deep residual learning. <i>Journal of Neuroscience Methods</i> , 2022, 369, 109478.	1.3	9
26	Developmental trajectory of MEG resting-state oscillatory activity in children and adolescents: a longitudinal reliability study. <i>Cerebral Cortex</i> , 2022, 32, 5404-5419.	1.6	10
27	Association of Neuroimaging Data with Behavioral Variables: A Class of Multivariate Methods and Their Comparison Using Multi-Task FMRI Data. <i>Sensors</i> , 2022, 22, 1224.	2.1	5
28	Building Models of Functional Interactions Among Brain Domains that Encode Varying Information Complexity: A Schizophrenia Case Study. <i>Neuroinformatics</i> , 2022, 20, 777-791.	1.5	0
29	A Decentralized ComBat Algorithm and Applications to Functional Network Connectivity. <i>Frontiers in Neurology</i> , 2022, 13, 826734.	1.1	4
30	Neurodevelopmental Trajectories in Children With Internalizing, Externalizing and Emotion Dysregulation Symptoms. <i>Frontiers in Psychiatry</i> , 2022, 13, 846201.	1.3	9
31	Deep Learning in Neuroimaging: Promises and challenges. <i>IEEE Signal Processing Magazine</i> , 2022, 39, 87-98.	4.6	25
32	Privacy-preserving quality control of neuroimaging datasets in federated environments. <i>Human Brain Mapping</i> , 2022, 43, 2289-2310.	1.9	7
33	Statelets: Capturing recurrent transient variations in dynamic functional network connectivity. <i>Human Brain Mapping</i> , 2022, 43, 2503-2518.	1.9	5
34	Decentralized Brain Age Estimation Using MRI Data. <i>Neuroinformatics</i> , 2022, 20, 981-990.	1.5	2
35	Altered resting fMRI spectral power in data-driven brain networks during development: A longitudinal study. <i>Journal of Neuroscience Methods</i> , 2022, 372, 109537.	1.3	2
36	Functional connectomes incorporating phase synchronization for the characterization and prediction of individual differences. <i>Journal of Neuroscience Methods</i> , 2022, 372, 109539.	1.3	0

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37	Multimodal brain deficits shared in <scp>early‑onset</scp> and <scp>adult‑onset</scp> schizophrenia predict positive symptoms regardless of illness stage. <i>Human Brain Mapping</i> , 2022, 43, 3486-3497.	1.9	4
38	An attention-based hybrid deep learning framework integrating brain connectivity and activity of resting-state functional MRI data. <i>Medical Image Analysis</i> , 2022, 78, 102413.	7.0	14
39	Moving beyond the “CAP” of the Iceberg: Intrinsic connectivity networks in fMRI are continuously engaging and overlapping. <i>NeuroImage</i> , 2022, 251, 119013.	2.1	17
40	Longitudinal changes in the neural oscillatory dynamics underlying abstract reasoning in children and adolescents. <i>NeuroImage</i> , 2022, 253, 119094.	2.1	3
41	SSPNet: An interpretable 3D-CNN for classification of schizophrenia using phase maps of resting-state complex-valued fMRI data. <i>Medical Image Analysis</i> , 2022, 79, 102430.	7.0	20
42	Data-driven spatio-temporal dynamic brain connectivity analysis using fALFF: Application to sensorimotor task data. , 2022, , .		2
43	Multiframe Evolving Dynamic Functional Connectivity (EVOdFNC): A Method for Constructing and Investigating Functional Brain Motifs. <i>Frontiers in Neuroscience</i> , 2022, 16, 770468.	1.4	5
44	A resting-state fMRI pattern of spinocerebellar ataxia type 3 and comparison with 18F-FDG PET. <i>NeuroImage: Clinical</i> , 2022, 34, 103023.	1.4	6
45	OUP accepted manuscript. <i>Cerebral Cortex</i> , 2022, , .	1.6	0
46	Longitudinal Whole-Brain Functional Network Change Patterns Over A Two-Year Period In The ABCD Data. , 2022, , .		4
47	Decentralized Spatially Constrained Source-Based Morphometry. , 2022, , .		2
48	Tracing Evolving Networks Using Tensor Factorizations vs. ICA-Based Approaches. <i>Frontiers in Neuroscience</i> , 2022, 16, 861402.	1.4	6
49	A new multimodality fusion classification approach to explore the uniqueness of schizophrenia and autism spectrum disorder. <i>Human Brain Mapping</i> , 2022, 43, 3887-3903.	1.9	10
50	An Accelerated Rank-(L,L,1,1) Block Term Decomposition Of Multi-Subject Fmri Data Under Spatial Orthonormality Constraint. , 2022, , .		1
51	Multi-Task fMRI Data Fusion Using IVA and PARAFAC2. , 2022, , .		5
52	Amygdala and hippocampal subregions mediate outcomes following trauma during typical development: Evidence from high-resolution structural MRI. <i>Neurobiology of Stress</i> , 2022, 18, 100456.	1.9	5
53	Left amygdala structure mediates longitudinal associations between exposure to threat and long‑term psychiatric symptomatology in youth. <i>Human Brain Mapping</i> , 2022, 43, 4091-4102.	1.9	4
54	Eyes-closed versus eyes-open differences in spontaneous neural dynamics during development. <i>NeuroImage</i> , 2022, 258, 119337.	2.1	11

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55	Multimodal data fusion of cortical-subcortical morphology and functional network connectivity in psychotic spectrum disorder. <i>NeuroImage: Clinical</i> , 2022, 35, 103056.	1.4	5
56	Dynamic functional connectivity patterns associated with dementia risk. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	7
57	Obesity and brain structure in schizophrenia – ENIGMA study in 3021 individuals. <i>Molecular Psychiatry</i> , 2022, 27, 3731-3737.	4.1	17
58	Nonlinear functional network connectivity in resting functional magnetic resonance imaging data. <i>Human Brain Mapping</i> , 2022, 43, 4556-4566.	1.9	11
59	The impact of pubertal <scp>DHEA</scp> on the development of visuospatial oscillatory dynamics. <i>Human Brain Mapping</i> , 2022, 43, 5154-5166.	1.9	5
60	Reproducibility in Matrix and Tensor Decompositions: Focus on model match, interpretability, and uniqueness. <i>IEEE Signal Processing Magazine</i> , 2022, 39, 8-24.	4.6	13
61	A Neuroimaging Signature of Cognitive Aging from Whole-Brain Functional Connectivity. <i>Advanced Science</i> , 2022, 9, .	5.6	19
62	Detecting abnormal connectivity in schizophrenia via a joint directed acyclic graph estimation model. <i>NeuroImage</i> , 2022, 260, 119451.	2.1	4
63	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. <i>Molecular Psychiatry</i> , 2021, 26, 3884-3895.	4.1	34
64	A Latent Gaussian Copula Model for Mixed Data Analysis in Brain Imaging Genetics. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1350-1360.	1.9	4
65	Network modules linking expression and methylation in prefrontal cortex of schizophrenia. <i>Epigenetics</i> , 2021, 16, 876-893.	1.3	8
66	Tools of the trade: estimating time-varying connectivity patterns from fMRI data. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 849-874.	1.5	56
67	The Developmental Chronnecto-Genomics (Dev-CoG) study: A multimodal study on the developing brain. <i>NeuroImage</i> , 2021, 225, 117438.	2.1	34
68	A unified approach for characterizing static/dynamic connectivity frequency profiles using filter banks. <i>Network Neuroscience</i> , 2021, 5, 56-82.	1.4	21
69	Dynamic state with covarying brain activity-connectivity: On the pathophysiology of schizophrenia. <i>NeuroImage</i> , 2021, 224, 117385.	2.1	52
70	Biotyping in psychosis: using multiple computational approaches with one data set. <i>Neuropsychopharmacology</i> , 2021, 46, 143-155.	2.8	25
71	Multidataset Independent Subspace Analysis With Application to Multimodal Fusion. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 588-602.	6.0	15
72	A Classification-Based Approach to Estimate the Number of Resting Functional Magnetic Resonance Imaging Dynamic Functional Connectivity States. <i>Brain Connectivity</i> , 2021, 11, 132-145.	0.8	17

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73	Correlation Guided Graph Learning to Estimate Functional Connectivity Patterns From fMRI Data. IEEE Transactions on Biomedical Engineering, 2021, 68, 1154-1165.	2.5	5
74	Dynamic functional network reconfiguration underlying the pathophysiology of schizophrenia and autism spectrum disorder. Human Brain Mapping, 2021, 42, 80-94.	1.9	27
75	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	6.0	136
76	Multi-Paradigm fMRI Fusion via Sparse Tensor Decomposition in Brain Functional Connectivity Study. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1712-1723.	3.9	7
77	Resting-State Functional Network Disturbances in Schizophrenia. , 2021, , 187-215.		5
78	Deep learning encodes robust discriminative neuroimaging representations to outperform standard machine learning. Nature Communications, 2021, 12, 353.	5.8	114
79	Abnormal Dynamic Functional Network Connectivity Estimated from Default Mode Network Predicts Symptom Severity in Major Depressive Disorder. Brain Connectivity, 2021, 11, 838-849.	0.8	24
80	Graph-theoretical analysis identifies transient spatial states of resting-state dynamic functional network connectivity and reveals dysconnectivity in schizophrenia. Journal of Neuroscience Methods, 2021, 350, 109039.	1.3	6
81	Multiple overlapping dynamic patterns of the visual sensory network in schizophrenia. Schizophrenia Research, 2021, 228, 103-111.	1.1	25
82	A Deep Learning Model for Data-Driven Discovery of Functional Connectivity. Algorithms, 2021, 14, 75.	1.2	10
83	Inhibitionâ€directed multimodal imaging fusion patterns in adults with ADHD and its potential underlying â€geneâ€brainâ€cognitionâ€relationship. CNS Neuroscience and Therapeutics, 2021, 27, 664-673.	1.9	2
84	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182.	2.4	24
85	Abnormal dynamic functional connectivity is linked to recovery after acute ischemic stroke. Human Brain Mapping, 2021, 42, 2278-2291.	1.9	40
86	Sparse representation of complex-valued fMRI data based on spatiotemporal concatenation of real and imaginary parts. Journal of Neuroscience Methods, 2021, 351, 109047.	1.3	2
87	A Joint Analysis of Multi-Paradigm fMRI Data With Its Application to Cognitive Study. IEEE Transactions on Medical Imaging, 2021, 40, 951-962.	5.4	7
88	Aberrant Dynamic Functional Connectivity of Default Mode Network in Schizophrenia and Links to Symptom Severity. Frontiers in Neural Circuits, 2021, 15, 649417.	1.4	42
89	Sparse deep neural networks on imaging genetics for schizophrenia caseâ€control classification. Human Brain Mapping, 2021, 42, 2556-2568.	1.9	17
90	Sparse deep dictionary learning identifies differences of time-varying functional connectivity in brain neuro-developmental study. Neural Networks, 2021, 135, 91-104.	3.3	5

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91	Gray matter networks associated with attention and working memory deficit in ADHD across adolescence and adulthood. <i>Translational Psychiatry</i> , 2021, 11, 184.	2.4	14
92	A Multimodal Learning Framework to Study Varying Information Complexity in Structural and Functional Sub-Domains in Schizophrenia. , 2021, , .		0
93	Brain Density Clustering Analysis: A New Approach to Brain Functional Dynamics. <i>Frontiers in Neuroscience</i> , 2021, 15, 621716.	1.4	2
94	Functional connectome fingerprinting: Identifying individuals and predicting cognitive functions via autoencoder. <i>Human Brain Mapping</i> , 2021, 42, 2691-2705.	1.9	23
95	On Self-Supervised Multimodal Representation Learning: An Application To Alzheimer's Disease. , 2021, , .		6
96	Statelets: A Novel Multi-Dimensional State-Shape Representation Of Brain Functional Connectivity Dynamics. , 2021, , .		0
97	A New Semi-Supervised Non-Negative Matrix Factorization Method For Brain Dynamic Functional Connectivity Analysis. , 2021, , .		0
98	3-way Parallel Fusion of Spatial (sMRI/dMRI) and Spatio-temporal (fMRI) Data with Application to Schizophrenia. , 2021, , .		2
99	Microstructural plasticity in nociceptive pathways after spinal cord injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 863-871.	0.9	10
100	Alterations of frontal-temporal gray matter volume associate with clinical measures of older adults with COVID-19. <i>Neurobiology of Stress</i> , 2021, 14, 100326.	1.9	48
101	Resting-state functional connectivity of the human hippocampus in periadolescent children: Associations with age and memory performance. <i>Human Brain Mapping</i> , 2021, 42, 3620-3642.	1.9	4
102	Data-driven approaches to neuroimaging biomarkers for neurological and psychiatric disorders: emerging approaches and examples. <i>Current Opinion in Neurology</i> , 2021, 34, 469-479.	1.8	11
103	Correlation between brain glucose metabolism (18F-FDG) and cerebral blood flow with amyloid tracers (18F-Florbetapir) in clinical routine: Preliminary evidences. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , 2021, 41, 146-152.	0.1	2
104	Dynamic Functional Connectivity Predicts Treatment Response to Electroconvulsive Therapy in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2021, 89, S169-S170.	0.7	2
105	Interpretable Multimodal Fusion Networks Reveal Mechanisms of Brain Cognition. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1474-1483.	5.4	30
106	Sparse Representation of Complex-Valued fMRI Data Based on Hard Thresholding of Spatial Source Phase. , 2021, , .		2
107	Whole-Brain Functional Network Connectivity Abnormalities in Affective and Non-Affective Early Phase Psychosis. <i>Frontiers in Neuroscience</i> , 2021, 15, 682110.	1.4	17
108	Subtypes of depression characterized by different cognitive decline and brain activity alterations. <i>Journal of Psychiatric Research</i> , 2021, 138, 413-419.	1.5	9

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109	Neural oscillations underlying selective attention follow sexually divergent developmental trajectories during adolescence. <i>Developmental Cognitive Neuroscience</i> , 2021, 49, 100961.	1.9	16
110	Detection of prenatal alcohol exposure using machine learning classification of resting-state functional network connectivity data. <i>Alcohol</i> , 2021, 93, 25-34.	0.8	14
111	Tucker Decomposition for Extracting Shared and Individual Spatial Maps from Multi-Subject Resting-State fMRI Data. , 2021, , .		3
112	Fusion of Multiple Spatial Networks Derived from Complex-Valued fMRI Data via CNN Classification. , 2021, , .		3
113	Disjoint subspaces for common and distinct component analysis: Application to the fusion of multi-task FMRI data. <i>Journal of Neuroscience Methods</i> , 2021, 358, 109214.	1.3	5
114	Modular and state-relevant functional network connectivity in high-frequency eyes open vs eyes closed resting fMRI data. <i>Journal of Neuroscience Methods</i> , 2021, 358, 109202.	1.3	8
115	Dynamic Functional Connectivity Predicts Treatment Response to Electroconvulsive Therapy in Major Depressive Disorder. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 689488.	1.0	15
116	DNA methylation under the major depression pathway predicts pediatric quality of life four-month post-pediatric mild traumatic brain injury. <i>Clinical Epigenetics</i> , 2021, 13, 140.	1.8	4
117	Accessing dynamic functional connectivity using $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -regularized sparse-smooth inverse covariance estimation from fMRI. <i>Neurocomputing</i> , 2021, 443, 147-161.	3.5	2
118	Respiratory, cardiac, EEG, BOLD signals and functional connectivity over multiple microsleep episodes. <i>NeuroImage</i> , 2021, 237, 118129.	2.1	13
119	Relationship between Dynamic Blood-Oxygen-Level-Dependent Activity and Functional Network Connectivity: Characterization of Schizophrenia Subgroups. <i>Brain Connectivity</i> , 2021, 11, 430-446.	0.8	2
120	Disruptions in global network segregation and integration in adolescents and young adults with fetal alcohol spectrum disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1775-1789.	1.4	5
121	Centering inclusivity in the design of online conferences—An OHBM—Open Science perspective. <i>GigaScience</i> , 2021, 10, .	3.3	14
122	Multiview Diffusion Map Improves Prediction of Fluid Intelligence With Two Paradigms of fMRI Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2529-2539.	2.5	11
123	Brain multimodal co-alterations related to delay discounting: a multimodal MRI fusion analysis in persons with and without cocaine use disorder. <i>BMC Neuroscience</i> , 2021, 22, 51.	0.8	4
124	Sexually dimorphic development in the cortical oscillatory dynamics serving early visual processing. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100968.	1.9	7
125	Frontoparietal network and neuropsychological measures in typically developing children. <i>Neuropsychologia</i> , 2021, 159, 107914.	0.7	3
126	Using normative modelling to detect disease progression in mild cognitive impairment and Alzheimer—™s disease in a cross-sectional multi-cohort study. <i>Scientific Reports</i> , 2021, 11, 15746.	1.6	37

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127	Dynamic connectivity predicts acute motor impairment and recovery post-stroke. <i>Brain Communications</i> , 2021, 3, fcab227.	1.5	17
128	Functional network connectivity during Jazz improvisation. <i>Scientific Reports</i> , 2021, 11, 19036.	1.6	13
129	Polygenic Hazard Score Associated Multimodal Brain Networks Along the Alzheimer's Disease Continuum. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 725246.	1.7	0
130	Consecutive Independence and Correlation Transform for Multimodal Data Fusion: Discovery of One-to-Many Associations in Structural and Functional Imaging Data. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8382.	1.3	3
131	Brain imaging-based machine learning in autism spectrum disorder: methods and applications. <i>Journal of Neuroscience Methods</i> , 2021, 361, 109271.	1.3	27
132	Dissemination in time and space in presymptomatic granulin mutation carriers: a GENFI spatial chronnectome study. <i>Neurobiology of Aging</i> , 2021, 108, 155-167.	1.5	3
133	A deep learning based approach identifies regions more relevant than resting-state networks to the prediction of general intelligence from resting-state fMRI. <i>Human Brain Mapping</i> , 2021, 42, 5873-5887.	1.9	10
134	Evidence of shared and distinct functional and structural brain signatures in schizophrenia and autism spectrum disorder. <i>Communications Biology</i> , 2021, 4, 1073.	2.0	19
135	Multi-model Order ICA: A Data-driven Method for Evaluating Brain Functional Network Connectivity Within and Between Multiple Spatial Scales. <i>Brain Connectivity</i> , 2021, , .	0.8	7
136	Reward Processing in Novelty Seekers: A Transdiagnostic Psychiatric Imaging Biomarker. <i>Biological Psychiatry</i> , 2021, 90, 529-539.	0.7	25
137	Tracking spatial dynamics of functional connectivity during a task. <i>NeuroImage</i> , 2021, 239, 118310.	2.1	11
138	A deep autoencoder with sparse and graph Laplacian regularization for characterizing dynamic functional connectivity during brain development. <i>Neurocomputing</i> , 2021, 456, 97-108.	3.5	6
139	Substance use patterns in 9-10 year olds: Baseline findings from the adolescent brain cognitive development (ABCD) study. <i>Drug and Alcohol Dependence</i> , 2021, 227, 108946.	1.6	19
140	Dynamic functional network connectivity associated with post-traumatic stress symptoms in COVID-19 survivors. <i>Neurobiology of Stress</i> , 2021, 15, 100377.	1.9	18
141	Spontaneous cortical MEG activity undergoes unique age- and sex-related changes during the transition to adolescence. <i>NeuroImage</i> , 2021, 244, 118552.	2.1	19
142	Ensemble Manifold Regularized Multi-Modal Graph Convolutional Network for Cognitive Ability Prediction. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3564-3573.	2.5	20
143	Can recurrent models know more than we do?. , 2021, , .		3
144	Self-Supervised Multimodal Domino: in Search of Biomarkers for Alzheimer's Disease. , 2021, , .		2

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145	Spatially Covarying Patterns of Gray Matter Volume and Concentration Highlight Distinct Regions in Schizophrenia. <i>Frontiers in Neuroscience</i> , 2021, 15, 708387.	1.4	4
146	Multivariate alterations in insula - Medial prefrontal cortex linked to genetics in 12q24 in schizophrenia. <i>Psychiatry Research</i> , 2021, 306, 114237.	1.7	4
147	Developmental Changes in Dynamic Functional Connectivity From Childhood Into Adolescence. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 724805.	1.2	14
148	A Correlated Noise-Assisted Decentralized Differentially Private Estimation Protocol, and its Application to fMRI Source Separation. <i>IEEE Transactions on Signal Processing</i> , 2021, 69, 6355-6370.	3.2	5
149	Machine Learning Predicts Treatment Response in Bipolar & Major Depression Disorders. , 2021, , .		3
150	Stability of functional network connectivity (FNC) values across multiple spatial normalization pipelines in spatially constrained independent component analysis. , 2021, , .		5
151	Harmonization of Multi-site Dynamic Functional Connectivity Network Data. , 2021, , .		6
152	A Gradient-based Approach for Explaining Multimodal Deep Learning Classifiers. , 2021, , .		8
153	A multimodal IVA fusion approach to identify linked neuroimaging markers. , 2021, 2021, 3928-3932.		0
154	Shared sets of correlated polygenic risk scores and voxel-wise grey matter across multiple traits identified via bi-clustering. , 2021, 2021, 2201-2206.		0
155	Cognitive Implications of Correlated Structural Network Changes in Schizophrenia. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 755069.	1.0	1
156	Fusing multimodal neuroimaging data with a variational autoencoder. , 2021, 2021, 3630-3633.		6
157	BNCP: Brain-Network-based Convolutional Prototype Learning for Discriminating Depressive Disorders. , 2021, 2021, 1622-1626.		1
158	Multimodal Brain Age Prediction with Feature Selection and Comparison. , 2021, 2021, 3858-3864.		2
159	Multi-modal deep learning of functional and structural neuroimaging and genomic data to predict mental illness. , 2021, 2021, 3267-3272.		11
160	Deep learning in resting-state fMRI [*] . , 2021, 2021, 3965-3969.		5
161	Uncovering Active Structural Subspaces Associated with Changes in Indicators for Alzheimer's Disease. , 2021, 2021, 3948-3951.		1
162	Investigating ADHD subtypes in children using temporal dynamics of the electroencephalogram (EEG) microstates [*] . , 2021, 2021, 4358-4361.		2

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163	Evidence for Transcranial Magnetic Stimulation Induced Functional Connectivity Oscillations in the Brain. , 2021, 2021, 1407-1411.		1
164	SMART (splitting-merging assisted reliable) Independent Component Analysis for Brain Functional Networks. , 2021, 2021, 3263-3266.		5
165	The link between brain functional network connectivity and genetic risk of Alzheimer's disease. Alzheimer's and Dementia, 2021, 17, .	0.4	13
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