

Bharat B Biswal

List of Publications by Year in descending order

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Version: 2024-02-01

255
papers

31,649
citations

20815

60
h-index

4991

167
g-index

281
all docs

281
docs citations

281
times ranked

24314
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional connectivity in the motor cortex of resting human brain using echo-planar mri. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 537-541.	3.0	8,632
2	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4734-4739.	7.1	2,703
3	The oscillating brain: Complex and reliable. <i>NeuroImage</i> , 2010, 49, 1432-1445.	4.2	1,239
4	Competition between functional brain networks mediates behavioral variability. <i>NeuroImage</i> , 2008, 39, 527-537.	4.2	1,141
5	Functional connectivity of default mode network components: Correlation, anticorrelation, and causality. <i>Human Brain Mapping</i> , 2009, 30, 625-637.	3.6	961
6	The Resting Brain: Unconstrained yet Reliable. <i>Cerebral Cortex</i> , 2009, 19, 2209-2229.	2.9	824
7	Cingulate-Precuneus Interactions: A New Locus of Dysfunction in Adult Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2008, 63, 332-337.	1.3	777
8	Functional connectivity of the human amygdala using resting state fMRI. <i>NeuroImage</i> , 2009, 45, 614-626.	4.2	680
9	Mapping the functional connectivity of anterior cingulate cortex. <i>NeuroImage</i> , 2007, 37, 579-588.	4.2	678
10	The NKI-Rockland Sample: A Model for Accelerating the Pace of Discovery Science in Psychiatry. <i>Frontiers in Neuroscience</i> , 2012, 6, 152.	2.8	667
11	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	27.8	634
12	Simultaneous assessment of flow and BOLD signals in resting-state functional connectivity maps. <i>NMR in Biomedicine</i> , 1997, 10, 165-170.	2.8	539
13	A DCM for resting state fMRI. <i>NeuroImage</i> , 2014, 94, 396-407.	4.2	460
14	Resting state fMRI: A personal history. <i>NeuroImage</i> , 2012, 62, 938-944.	4.2	415
15	Network homogeneity reveals decreased integrity of default-mode network in ADHD. <i>Journal of Neuroscience Methods</i> , 2008, 169, 249-254.	2.5	393
16	An open science resource for establishing reliability and reproducibility in functional connectomics. <i>Scientific Data</i> , 2014, 1, 140049.	5.3	349
17	Inter-individual differences in resting-state functional connectivity predict task-induced BOLD activity. <i>NeuroImage</i> , 2010, 50, 1690-1701.	4.2	331
18	Graph Theoretical Analysis of Functional Brain Networks: Test-Retest Evaluation on Short- and Long-Term Resting-State Functional MRI Data. <i>PLoS ONE</i> , 2011, 6, e21976.	2.5	330

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19	Reduction of physiological fluctuations in fMRI using digital filters. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 107-113.	3.0	303
20	Neural correlates of cognitive efficiency. <i>NeuroImage</i> , 2006, 33, 969-979.	4.2	299
21	Characterizing variation in the functional connectome: promise and pitfalls. <i>Trends in Cognitive Sciences</i> , 2012, 16, 181-188.	7.8	248
22	Resting Network Plasticity Following Brain Injury. <i>PLoS ONE</i> , 2009, 4, e8220.	2.5	237
23	Blind Source Separation of Multiple Signal Sources of fMRI Data Sets Using Independent Component Analysis. <i>Journal of Computer Assisted Tomography</i> , 1999, 23, 265-271.	0.9	222
24	Advancing functional connectivity research from association to causation. <i>Nature Neuroscience</i> , 2019, 22, 1751-1760.	14.8	215
25	Resting-state functional connectivity of the rat brain. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1021-1029.	3.0	192
26	Linking inter-individual differences in neural activation and behavior to intrinsic brain dynamics. <i>NeuroImage</i> , 2011, 54, 2950-2959.	4.2	192
27	Slow vasomotor fluctuation in fMRI of anesthetized child brain. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 373-378.	3.0	178
28	Functional Integration Between Brain Regions at Rest Occurs in Multiple-Frequency Bands. <i>Brain Connectivity</i> , 2015, 5, 23-34.	1.7	178
29	Characterizing dynamic amplitude of low-frequency fluctuation and its relationship with dynamic functional connectivity: An application to schizophrenia. <i>NeuroImage</i> , 2018, 180, 619-631.	4.2	178
30	Task vs. rest-different network configurations between the coactivation and the resting-state brain networks. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 493.	2.0	174
31	Towards understanding rTMS mechanism of action: Stimulation of the DLPFC causes network-specific increase in functional connectivity. <i>NeuroImage</i> , 2017, 162, 289-296.	4.2	172
32	Cocaine administration decreases functional connectivity in human primary visual and motor cortex as detected by functional MRI. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 45-51.	3.0	156
33	Glutamatergic and resting state functional connectivity correlates of severity in major depression - the role of pregenual anterior cingulate cortex and anterior insula. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, .	2.5	150
34	High-resolution fMRI using multislice partialk-space GR-EPI with cubic voxels. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 114-125.	3.0	141
35	A protocol for use of medetomidine anesthesia in rats for extended studies using task-induced BOLD contrast and resting-state functional connectivity. <i>NeuroImage</i> , 2009, 46, 1137-1147.	4.2	131
36	Detection and scaling of task-induced fMRI-BOLD response using resting state fluctuations. <i>NeuroImage</i> , 2008, 40, 1567-1574.	4.2	130

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37	Metabolic Brain Covariant Networks as Revealed by FDG-PET with Reference to Resting-State fMRI Networks. <i>Brain Connectivity</i> , 2012, 2, 275-283.	1.7	129
38	Dynamic brain functional connectivity modulated by resting-state networks. <i>Brain Structure and Function</i> , 2015, 220, 37-46.	2.3	124
39	Spatio-temporal characteristics of low-frequency BOLD signal fluctuations in isoflurane-anesthetized rat brain. <i>NeuroImage</i> , 2008, 40, 1738-1747.	4.2	116
40	Interhemispheric neuroplasticity following limb deafferentation detected by resting-state functional connectivity magnetic resonance imaging (fcMRI) and functional magnetic resonance imaging (fMRI). <i>NeuroImage</i> , 2010, 49, 2467-2478.	4.2	116
41	Identifying the default mode network structure using dynamic causal modeling on resting-state functional magnetic resonance imaging. <i>NeuroImage</i> , 2014, 86, 53-59.	4.2	114
42	High prevalence of <scp>NMDA</scp> receptor IgA/IgM antibodies in different dementia types. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 822-832.	3.7	114
43	Neural and vascular variability and the fMRI-BOLD response in normal aging. <i>Magnetic Resonance Imaging</i> , 2010, 28, 466-476.	1.8	105
44	Transient increased thalamic-sensory connectivity and decreased whole-brain dynamism in autism. <i>NeuroImage</i> , 2019, 190, 191-204.	4.2	100
45	Vision Therapy in Adults with Convergence Insufficiency: Clinical and Functional Magnetic Resonance Imaging Measures. <i>Optometry and Vision Science</i> , 2010, 87, E985-E1002.	1.2	99
46	Functional topography of the thalamocortical system in human. <i>Brain Structure and Function</i> , 2016, 221, 1971-1984.	2.3	99
47	Endless Fluctuations: Temporal Dynamics of the Amplitude of Low Frequency Fluctuations. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2523-2532.	8.9	99
48	The Influence of the Amplitude of Low-Frequency Fluctuations on Resting-State Functional Connectivity. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 118.	2.0	96
49	Frequency dependent hub role of the dorsal and ventral right anterior insula. <i>NeuroImage</i> , 2018, 165, 112-117.	4.2	96
50	Assessment of the impact of shared brain imaging data on the scientific literature. <i>Nature Communications</i> , 2018, 9, 2818.	12.8	95
51	Regional homogeneity of resting-state fMRI contributes to both neurovascular and task activation variations. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1492-1500.	1.8	88
52	Calibrating BOLD fMRI Activations with Neurovascular and Anatomical Constraints. <i>Cerebral Cortex</i> , 2013, 23, 255-263.	2.9	88
53	Music Intervention Leads to Increased Insular Connectivity and Improved Clinical Symptoms in Schizophrenia. <i>Frontiers in Neuroscience</i> , 2017, 11, 744.	2.8	88
54	A review of resting-state fMRI and its use to examine psychiatric disorders. <i>Psychoradiology</i> , 2021, 1, 42-53.	2.3	83

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55	Modulatory interactions between the default mode network and task positive networks in resting-state. PeerJ, 2014, 2, e367.	2.0	82
56	Cerebral blood flow is reduced in chronic fatigue syndrome as assessed by arterial spin labeling. Journal of the Neurological Sciences, 2011, 301, 9-11.	0.6	80
57	Exploring the functional connectome in white matter. Human Brain Mapping, 2019, 40, 4331-4344.	3.6	76
58	Increasing measurement accuracy of age-related BOLD signal change: Minimizing vascular contributions by resting-state-fluctuation-of-amplitude scaling. Human Brain Mapping, 2011, 32, 1125-1140.	3.6	75
59	Hemodynamic scaling of fMRI-BOLD signal: validation of low-frequency spectral amplitude as a scalability factor. Magnetic Resonance Imaging, 2007, 25, 1358-1369.	1.8	74
60	Progressive Reduction in Gray Matter in Patients with Schizophrenia Assessed with MR Imaging by Using Causal Network Analysis. Radiology, 2018, 287, 633-642.	7.3	71
61	Prediction of Task-Related BOLD fMRI with Amplitude Signatures of Resting-State fMRI. Frontiers in Systems Neuroscience, 2012, 6, 7.	2.5	67
62	Toward Task Connectomics: Examining Whole-Brain Task Modulated Connectivity in Different Task Domains. Cerebral Cortex, 2019, 29, 1572-1583.	2.9	67
63	Resting-State Brain Organization Revealed by Functional Covariance Networks. PLoS ONE, 2011, 6, e28817.	2.5	65
64	Different Decision-Making Responses Occupy Different Brain Networks for Information Processing: A Study Based on EEG and TMS. Cerebral Cortex, 2019, 29, 4119-4129.	2.9	63
65	Brain gray matter structures associated with trait impulsivity: A systematic review and voxel-based meta-analysis. Human Brain Mapping, 2021, 42, 2214-2235.	3.6	61
66	Reduction in gray matter of cerebellum in schizophrenia and its influence on static and dynamic connectivity. Human Brain Mapping, 2019, 40, 517-528.	3.6	59
67	Test-retest reliability of dynamic functional connectivity in resting state fMRI. NeuroImage, 2018, 183, 907-918.	4.2	58
68	Altered structure and functional connection in patients with classical trigeminal neuralgia. Human Brain Mapping, 2018, 39, 609-621.	3.6	57
69	Recovery of resting brain connectivity ensuing mild traumatic brain injury. Frontiers in Human Neuroscience, 2015, 9, 513.	2.0	56
70	3D U-Net Based Brain Tumor Segmentation and Survival Days Prediction. Lecture Notes in Computer Science, 2020, , 131-141.	1.3	56
71	Fully exploratory network independent component analysis of the 1000 functional connectomes database. Frontiers in Human Neuroscience, 2012, 6, 301.	2.0	55
72	Correspondence of executive function related functional and anatomical alterations in aging brain. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 48, 41-50.	4.8	55

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73	Effect of Resting-State fNIRS Scanning Duration on Functional Brain Connectivity and Graph Theory Metrics of Brain Network. <i>Frontiers in Neuroscience</i> , 2017, 11, 392.	2.8	54
74	Editorial: Reliability and Reproducibility in Functional Connectomics. <i>Frontiers in Neuroscience</i> , 2019, 13, 117.	2.8	54
75	Artificial intelligence applications in psychoradiology. <i>Psychoradiology</i> , 2021, 1, 94-107.	2.3	54
76	Functional anatomy of predictive vergence and saccade eye movements in humans: A functional MRI investigation. <i>Vision Research</i> , 2010, 50, 2163-2175.	1.4	53
77	Effect of hemodilution on RBC velocity, supply rate, and hematocrit in the cerebral capillary network. <i>Journal of Applied Physiology</i> , 1999, 87, 505-509.	2.5	52
78	Functional activity within the frontal eye fields, posterior parietal cortex, and cerebellar vermis significantly correlates to symmetrical vergence peak velocity: an ROI-based, fMRI study of vergence training. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 50.	2.1	52
79	Contour-based registration technique to differentiate between task-activated and head motion-induced signal variations in fMRI. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 470-476.	3.0	51
80	Inter-subject P300 variability relates to the efficiency of brain networks reconfigured from resting-to task-state: Evidence from a simultaneous event-related EEG-fMRI study. <i>NeuroImage</i> , 2020, 205, 116285.	4.2	48
81	Complex discharge-affecting networks in juvenile myoclonic epilepsy: A simultaneous EEG-fMRI study. <i>Human Brain Mapping</i> , 2016, 37, 3515-3529.	3.6	47
82	Disrupted focal white matter integrity in autism spectrum disorder: A voxel-based meta-analysis of diffusion tensor imaging studies. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 82, 242-248.	4.8	47
83	Predicting individual decision-making responses based on single-trial EEG. <i>NeuroImage</i> , 2020, 206, 116333.	4.2	47
84	Progress in psychoradiology, the clinical application of psychiatric neuroimaging. <i>British Journal of Radiology</i> , 2019, 92, 20181000.	2.2	45
85	Common and separable neural alterations in substance use disorders: A coordinate-based meta-analysis of functional neuroimaging studies in humans. <i>Human Brain Mapping</i> , 2020, 41, 4459-4477.	3.6	45
86	Task modulated brain connectivity of the amygdala: a meta-analysis of psychophysiological interactions. <i>Brain Structure and Function</i> , 2017, 222, 619-634.	2.3	43
87	Oxytocin differentially modulates specific dorsal and ventral striatal functional connections with frontal and cerebellar regions. <i>NeuroImage</i> , 2019, 184, 781-789.	4.2	43
88	Disruption of brain connectivity in acute stroke patients with early impairment in consciousness. <i>Frontiers in Psychology</i> , 2014, 4, 956.	2.1	42
89	A Review of Resting-State Analysis Methods. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 581-592.	1.0	42
90	Differentiation between Vergence and Saccadic Functional Activity within the Human Frontal Eye Fields and Midbrain Revealed through fMRI. <i>PLoS ONE</i> , 2011, 6, e25866.	2.5	42

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91	Task-Dependent Individual Differences in Prefrontal Connectivity. <i>Cerebral Cortex</i> , 2010, 20, 2188-2197.	2.9	41
92	Differences on Brain Connectivity in Adulthood Are Present in Subjects with Iron Deficiency Anemia in Infancy. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 54.	3.4	41
93	A neuromarker of individual general fluid intelligence from the white-matter functional connectome. <i>Translational Psychiatry</i> , 2020, 10, 147.	4.8	41
94	Assessment of Unconstrained Cerebrovascular Reactivity Marker for Large Age-Range fMRI Studies. <i>PLoS ONE</i> , 2014, 9, e88751.	2.5	41
95	Functional Covariance Networks: Obtaining Resting-State Networks from Intersubject Variability. <i>Brain Connectivity</i> , 2012, 2, 203-217.	1.7	40
96	Characterizations of resting-state modulatory interactions in the human brain. <i>Journal of Neurophysiology</i> , 2015, 114, 2785-2796.	1.8	40
97	Expanded functional coupling of subcortical nuclei with the motor resting-state network in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013, 19, 559-566.	3.0	39
98	Age-dependent relationships between prefrontal cortex activation and processing efficiency. <i>Cognitive Neuroscience</i> , 2011, 2, 1-10.	1.4	38
99	Variations in Connectivity in the Sensorimotor and Default-Mode Networks During the First Nocturnal Sleep Cycle. <i>Brain Connectivity</i> , 2012, 2, 177-190.	1.7	38
100	Functional magnetic resonance imaging of auditory cortex in children. <i>Laryngoscope</i> , 1998, 108, 1782-1786.	2.0	37
101	Separated Channel Attention Convolutional Neural Network (SC-CNN-Attention) to Identify ADHD in Multi-Site Rs-fMRI Dataset. <i>Entropy</i> , 2020, 22, 893.	2.2	36
102	White Matter Functional Connectivity in Resting-State fMRI: Robustness, Reliability, and Relationships to Gray Matter. <i>Cerebral Cortex</i> , 2022, 32, 1547-1559.	2.9	36
103	Differential fMRI-BOLD signal response to apnea in humans and anesthetized rats. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 864-870.	3.0	35
104	RESCALE: Voxel-specific task-fMRI scaling using resting state fluctuation amplitude. <i>NeuroImage</i> , 2013, 70, 80-88.	4.2	34
105	Ketamine-induced changes in plasma brain-derived neurotrophic factor (BDNF) levels are associated with the resting-state functional connectivity of the prefrontal cortex. <i>World Journal of Biological Psychiatry</i> , 2020, 21, 696-710.	2.6	34
106	The Organization of the Human Corpus Callosum Estimated by Intrinsic Functional Connectivity with White-Matter Functional Networks. <i>Cerebral Cortex</i> , 2020, 30, 3313-3324.	2.9	34
107	Local awakening: Regional reorganizations of brain oscillations after sleep. <i>NeuroImage</i> , 2014, 102, 894-903.	4.2	33
108	Dependence of BOLD signal fluctuation on arterial blood CO ₂ and O ₂ : Implication for resting-state functional connectivity. <i>NeuroImage</i> , 2015, 117, 29-39.	4.2	33

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109	Do all roads lead to Rome? A comparison of brain networks derived from inter-subject volumetric and metabolic covariance and moment-to-moment hemodynamic correlations in old individuals. <i>Brain Structure and Function</i> , 2017, 222, 3833-3845.	2.3	33
110	Comparison of EEG microstates with resting state fMRI and FDGâ€PET measures in the default mode network via simultaneously recorded trimodal (PET/MR/EEG) data. <i>Human Brain Mapping</i> , 2021, 42, 4122-4133.	3.6	32
111	Resting-State Functional Connectivity: Signal Origins and Analytic Methods. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 15-23.	1.0	32
112	The Functional Integration in the Sensory-Motor System Predicts Aging in Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 306.	3.4	31
113	Brain tumors disrupt the resting-state connectome. <i>NeuroImage: Clinical</i> , 2018, 18, 279-289.	2.7	31
114	Resting-state connectivity and executive functions after pediatric arterial ischemic stroke. <i>NeuroImage: Clinical</i> , 2018, 17, 359-367.	2.7	31
115	Altered dynamics of brain segregation and integration in poststroke aphasia. <i>Human Brain Mapping</i> , 2019, 40, 3398-3409.	3.6	31
116	Real-Time Motor Cortex Mapping for the Safe Resection of Glioma: An Intraoperative Resting-State fMRI Study. <i>American Journal of Neuroradiology</i> , 2017, 38, 2146-2152.	2.4	30
117	Intersubject consistent dynamic connectivity during natural vision revealed by functional MRI. <i>NeuroImage</i> , 2020, 216, 116698.	4.2	30
118	Resting-State Functional Connectivity in Animal Models: Modulations by Exsanguination. <i>Methods in Molecular Biology</i> , 2009, 489, 255-274.	0.9	29
119	Localized reductions in restingâ€state functional connectivity in children with prenatal alcohol exposure. <i>Human Brain Mapping</i> , 2017, 38, 5217-5233.	3.6	28
120	Oxytocin Modulates the Intrinsic Dynamics Between Attention-Related Large-Scale Networks. <i>Cerebral Cortex</i> , 2021, 31, 1848-1860.	2.9	28
121	A multimodal meta-analysis of regional structural and functional brain alterations in type 2 diabetes. <i>Frontiers in Neuroendocrinology</i> , 2021, 62, 100915.	5.2	28
122	Subtyping Schizophrenia Patients Based on Patterns of Structural Brain Alterations. <i>Schizophrenia Bulletin</i> , 2022, 48, 241-250.	4.3	28
123	Regional dynamics of the fMRI-BOLD signal response to hypoxia-hypercapnia in the rat brain. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 641-647.	3.4	27
124	Interhemispheric Functional Brain Connectivity in Neonates with Prenatal Alcohol Exposure: Preliminary Findings. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 113-121.	2.4	27
125	Psychophysiological Interactions in a Visual Checkerboard Task: Reproducibility, Reliability, and the Effects of Deconvolution. <i>Frontiers in Neuroscience</i> , 2017, 11, 573.	2.8	27
126	Imperfect (de)convolution may introduce spurious psychophysiological interactions and how to avoid it. <i>Human Brain Mapping</i> , 2017, 38, 1723-1740.	3.6	26

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127	Structural and functional connectivity mapping of the human corpus callosum organization with white-matter functional networks. <i>NeuroImage</i> , 2021, 227, 117642.	4.2	26
128	Disrupted resting brain graph measures in individuals at high risk for alcoholism. <i>Psychiatry Research - Neuroimaging</i> , 2017, 265, 54-64.	1.8	25
129	Differential associations of combined vs. isolated cannabis and nicotine on brain resting state networks. <i>Brain Structure and Function</i> , 2018, 223, 3317-3326.	2.3	25
130	Functional resting-state brain connectivity is accompanied by dynamic correlations of application-dependent [18F]FDG PET-tracer fluctuations. <i>NeuroImage</i> , 2019, 196, 161-172.	4.2	25
131	Common neurofunctional dysregulations characterize obsessive-compulsive, substance use, and gaming disorders: An activation likelihood meta-analysis of functional imaging studies. <i>Addiction Biology</i> , 2021, 26, e12997.	2.6	25
132	Reproducible coactivation patterns of functional brain networks reveal the aberrant dynamic state transition in schizophrenia. <i>NeuroImage</i> , 2021, 237, 118193.	4.2	25
133	Segregation of frontoparietal and cerebellar components within saccade and vergence networks using hierarchical independent component analysis of fMRI. <i>Visual Neuroscience</i> , 2011, 28, 247-261.	1.0	24
134	Modulatory Interactions of Resting-State Brain Functional Connectivity. <i>PLoS ONE</i> , 2013, 8, e71163.	2.5	24
135	Abnormal synchrony and effective connectivity in patients with schizophrenia and auditory hallucinations. <i>NeuroImage: Clinical</i> , 2014, 6, 171-179.	2.7	24
136	Identifying Respiration-Related Aliasing Artifacts in the Rodent Resting-State fMRI. <i>Frontiers in Neuroscience</i> , 2018, 12, 788.	2.8	24
137	Lateralized Resting-State Functional Connectivity in the Task-Positive and Task-Negative Networks. <i>Brain Connectivity</i> , 2014, 4, 641-648.	1.7	23
138	Task-related functional connectivity dynamics in a block-designed visual experiment. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 543.	2.0	23
139	Differences in Cortical Gray Matter Atrophy of Paraplegia and Tetraplegia after Complete Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2045-2051.	3.4	23
140	Functional Subdivisions of Magnocellular Cell Groups in Human Basal Forebrain: Test-Retest Resting-State Study at Ultra-high Field, and Meta-analysis. <i>Cerebral Cortex</i> , 2019, 29, 2844-2858.	2.9	22
141	Anterior cingulate cortex differently modulates frontoparietal functional connectivity between resting-state and working memory tasks. <i>Human Brain Mapping</i> , 2020, 41, 1797-1805.	3.6	22
142	Understanding psychophysiological interaction and its relations to beta series correlation. <i>Brain Imaging and Behavior</i> , 2021, 15, 958-973.	2.1	22
143	Altered Resting-State fMRI Signals in Acute Stroke Patients with Ischemic Penumbra. <i>PLoS ONE</i> , 2014, 9, e105117.	2.5	22
144	Layer-specific interhemispheric functional connectivity in the somatosensory cortex of rats: resting state electrophysiology and fMRI studies. <i>Brain Structure and Function</i> , 2016, 221, 2801-2815.	2.3	21

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145	Associations between Functional Connectivity Dynamics and BOLD Dynamics Are Heterogeneous Across Brain Networks. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 593.	2.0	21
146	Gray matter atrophy patterns within the cerebellum-neostriatum-cortical network in SCA3. <i>Neurology</i> , 2020, 95, e3036-e3044.	1.1	21
147	Non-neural BOLD variability in block and event-related paradigms. <i>Magnetic Resonance Imaging</i> , 2011, 29, 140-146.	1.8	20
148	Task-Modulated Coactivation of Vergence Neural Substrates. <i>Brain Connectivity</i> , 2014, 4, 595-607.	1.7	20
149	Age and HIV effects on resting state of the brain in relationship to neurocognitive functioning. <i>Behavioural Brain Research</i> , 2018, 344, 20-27.	2.2	20
150	Instability of brain connectivity during nonrapid eye movement sleep reflects altered properties of information integration. <i>Human Brain Mapping</i> , 2019, 40, 3192-3202.	3.6	20
151	Resting-State Functional Connectivity of the Thalamus in Complete Spinal Cord Injury. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 122-133.	2.9	20
152	Frequency specific resting state functional abnormalities in psychosis. <i>Human Brain Mapping</i> , 2018, 39, 4509-4518.	3.6	19
153	Multiple sclerosis-related white matter microstructural change alters the BOLD hemodynamic response. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1872-1884.	4.3	18
154	Altered Functional Connectivity in Patients With Sloping Sensorineural Hearing Loss. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 284.	2.0	18
155	Adaptive Covariance Estimation of Non-Stationary Processes and its Application to Infer Dynamic Connectivity From fMRI. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014, 8, 228-239.	4.0	17
156	Similarly Expanded Bilateral Temporal Lobe Volumes in Female and Male Children With Autism Spectrum Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 178-185.	1.5	17
157	Temporal dynamics of spontaneous default-mode network activity mediate the association between reappraisal and depression. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 1235-1247.	3.0	17
158	Neural primacy of the dorsolateral prefrontal cortex in patients with obsessive-compulsive disorder. <i>NeuroImage: Clinical</i> , 2020, 28, 102432.	2.7	17
159	The Profiles of Non-stationarity and Non-linearity in the Time Series of Resting-State Brain Networks. <i>Frontiers in Neuroscience</i> , 2020, 14, 493.	2.8	17
160	Mapping Progressive Gray Matter Alterations in Early Childhood Autistic Brain. <i>Cerebral Cortex</i> , 2021, 31, 1500-1510.	2.9	16
161	Common and distinct neurofunctional representations of core and social disgust in the brain: Coordinate-based and network meta-analyses. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 135, 104553.	6.1	16
162	Abnormal Functional Connectivity Density in Post-Stroke Aphasia. <i>Brain Topography</i> , 2019, 32, 271-282.	1.8	14

#	ARTICLE	IF	CITATIONS
163	Clinical Application of Basal Regional Cerebral Blood Flow Fluctuation Measurements by FMRI. <i>Advances in Experimental Medicine and Biology</i> , 1998, 454, 583-590.	1.6	14
164	Transcriptomic and macroscopic architectures of intersubject functional variability in human brain white-matter. <i>Communications Biology</i> , 2021, 4, 1417.	4.4	14
165	Effective Connectivity within the Mesocorticolimbic System during Resting-State in Cocaine Users. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 563.	2.0	13
166	Multiscale energy reallocation during low-frequency steady-state brain response. <i>Human Brain Mapping</i> , 2018, 39, 2121-2132.	3.6	13
167	The Convergence Insufficiency Neuro-mechanism in Adult Population Study (CINAPS) Randomized Clinical Trial: Design, Methods, and Clinical Data. <i>Ophthalmic Epidemiology</i> , 2020, 27, 52-72.	1.7	13
168	Frequency-dependent circuits anchored in the dorsal and ventral left anterior insula. <i>Scientific Reports</i> , 2020, 10, 16394.	3.3	13
169	Altered functional connectivity of the thalamus induced by modified electroconvulsive therapy for schizophrenia. <i>Schizophrenia Research</i> , 2020, 218, 209-218.	2.0	12
170	Cortical thickness abnormalities in patients with bipolar disorder: A systematic review and meta-analysis. <i>Journal of Affective Disorders</i> , 2022, 300, 209-218.	4.1	12
171	Higher limbic and basal ganglia volumes in surviving COVID-negative patients and the relations to fatigue. <i>NeuroImage Reports</i> , 2022, 2, 100095.	1.0	12
172	Assessment of auditory cortex activation with functional magnetic resonance imaging. <i>Otolaryngology - Head and Neck Surgery</i> , 2000, 122, 241-245.	1.9	11
173	Principal component analysis reveals multiple consistent responses to naturalistic stimuli in children and adults. <i>Human Brain Mapping</i> , 2022, 43, 3332-3345.	3.6	11
174	Affective Network Neuroscience. <i>Frontiers in Neuroscience</i> , 2018, 12, 895.	2.8	10
175	The Time-Varying Network Patterns in Motor Imagery Revealed by Adaptive Directed Transfer Function Analysis for fMRI. <i>IEEE Access</i> , 2018, 6, 60339-60352.	4.2	10
176	Functional Connectivity Alterations between Networks and Associations with Infant Immune Health within Networks in HIV Infected Children on Early Treatment: A Study at 7 Years. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 635.	2.0	10
177	HIV infection across aging: Synergistic effects on intrinsic functional connectivity of the brain. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 88, 19-30.	4.8	10
178	Interregional causal influences of brain metabolic activity reveal the spread of aging effects during normal aging. <i>Human Brain Mapping</i> , 2019, 40, 4657-4668.	3.6	10
179	Reconfiguration patterns of large-scale brain networks in motor imagery. <i>Brain Structure and Function</i> , 2019, 224, 553-566.	2.3	10
180	Common abnormality of gray matter integrity in substance use disorder and obsessive-compulsive disorder: A comparative voxel-based meta-analysis. <i>Human Brain Mapping</i> , 2021, 42, 3871-3886.	3.6	10

#	ARTICLE	IF	CITATIONS
181	HIV and age underlie specific patterns of brain abnormalities and cognitive changes in high functioning patients.. <i>Neuropsychology</i> , 2019, 33, 358-369.	1.3	10
182	Differences in Disrupted Dynamic Functional Network Connectivity Among Children, Adolescents, and Adults With Attention Deficit/Hyperactivity Disorder: A Resting-State fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 697696.	2.0	10
183	Asynchrony in executive networks predicts cognitive slowing in multiple sclerosis.. <i>Neuropsychology</i> , 2016, 30, 75-86.	1.3	9
184	Testâ€Retest Reliability of Functional Magnetic Resonance Imaging Activation for a Vergence Eye Movement Task. <i>Neuroscience Bulletin</i> , 2020, 36, 506-518.	2.9	9
185	Altered cerebrovascular reactivity due to respiratory rate and breath holding: a BOLD-fMRI study on healthy adults. <i>Brain Structure and Function</i> , 2021, 226, 1229-1239.	2.3	9
186	White matter of perinatally HIV infected older youths shows low frequency fluctuations that may reflect glial cycling. <i>Scientific Reports</i> , 2021, 11, 3086.	3.3	9
187	Elucidating the complementarity of resting-state networks derived from dynamic [18F]FDG and hemodynamic fluctuations using simultaneous small-animal PET/MRI. <i>NeuroImage</i> , 2021, 236, 118045.	4.2	9
188	Robust adaptive filtering algorithms based on (inverse)hyperbolic sine function. <i>PLoS ONE</i> , 2021, 16, e0258155.	2.5	9
189	Alteration of Behavioral Inhibitory Control in High-Altitude Immigrants. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 712278.	2.0	9
190	Shared networkâ€level functional alterations across substance use disorders: A multiâ€level kernel density metaâ€analysis of restingâ€state functional connectivity studies. <i>Addiction Biology</i> , 2022, 27, .	2.6	9
191	Functional connectivity in vergence and saccade eye movement tasks assessed using Granger Causality Analysis. , 2011, 2011, 8114-7.		8
192	Diffusion weighted imaging evidence of extra-callosal pathways for interhemispheric communication after complete commissurotomy. <i>Brain Structure and Function</i> , 2019, 224, 1897-1909.	2.3	8
193	Investigating inhibition deficit in schizophrenia using task-modulated brain networks. <i>Brain Structure and Function</i> , 2020, 225, 1601-1613.	2.3	8
194	Translational application of neuroimaging in major depressive disorder: a review of psychoradiological studies. <i>Frontiers of Medicine</i> , 2021, 15, 528-540.	3.4	8
195	Functional coupling of the orbitofrontal cortex and the basolateral amygdala mediates the association between spontaneous reappraisal and emotional response. <i>NeuroImage</i> , 2021, 232, 117918.	4.2	8
196	Hippocampus-Based Dynamic Functional Connectivity Mapping in the Early Stages of Alzheimerâ€™s Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 1795-1806.	2.6	8
197	Frequencyâ€specific coactivation patterns in restingâ€state and their alterations in schizophrenia: An <sc>fMRI</sc> study. <i>Human Brain Mapping</i> , 2022, 43, 3792-3808.	3.6	8
198	Estimations of the weather effects on brain functions using functional <sc>MRI</sc> : A cautionary note. <i>Human Brain Mapping</i> , 2022, , .	3.6	8

#	ARTICLE	IF	CITATIONS
199	The model order limit: Deep sparse factorization for resting brain. , 2018, , .		7
200	The differential association between local neurotransmitter levels and whole-brain resting-state functional connectivity in two distinct cingulate cortex subregions. Human Brain Mapping, 2022, 43, 2833-2844.	3.6	7
201	MAPBOT: Meta-analytic parcellation based on text, and its application to the human thalamus. NeuroImage, 2017, 157, 716-732.	4.2	6
202	Diffusion-Probabilistic Least Mean Square Algorithm. Circuits, Systems, and Signal Processing, 2021, 40, 1295-1313.	2.0	6
203	Disentangling age- and disease-related alterations in schizophrenia brain network using structural equation modeling: A graph theoretical study based on minimum spanning tree. Human Brain Mapping, 2021, 42, 3023-3041.	3.6	6
204	Topological Aberrance of Structural Brain Network Provides Quantitative Substrates of Post-Traumatic Brain Injury Attention Deficits in Children. Brain Connectivity, 2021, 11, 651-662.	1.7	6
205	Diffusion adaptive filtering algorithm based on the Fair cost function. Scientific Reports, 2021, 11, 19715.	3.3	6
206	Sources of multifractality of the brain rs-fMRI signal. Chaos, Solitons and Fractals, 2022, 160, 112222.	5.1	6
207	Extracting information from functional connectivity maps via function-on-scalar regression. NeuroImage, 2011, 56, 140-148.	4.2	5
208	Spatial sparsification and low rank projection for fast analysis of multi-subject resting state fMRI data. , 2018, , .		5
209	Functional Decoupling of Emotion Coping Network Subsides Automatic Emotion Regulation by Implementation Intention. Neural Plasticity, 2021, 2021, 1-12.	2.2	5
210	Underlying neurological mechanisms associated with symptomatic convergence insufficiency. Scientific Reports, 2021, 11, 6545.	3.3	5
211	Striatal and prefrontal D2R and SERT distributions contrastingly correlate with default-mode connectivity. NeuroImage, 2021, 243, 118501.	4.2	5
212	Slow vasomotor fluctuation in fMRI of anesthetized child brain. Magnetic Resonance in Medicine, 2000, 44, 373-378.	3.0	5
213	Temporal dynamic patterns of the ventromedial prefrontal cortex underlie the association between rumination and depression. Cerebral Cortex, 2023, 33, 969-982.	2.9	5
214	Interictal dynamic network transitions in mesial temporal lobe epilepsy. Epilepsia, 2022, 63, 2242-2255.	5.1	5
215	Clinical and Functional Imaging Changes Induced from Vision Therapy in Patients with Convergence Insufficiency. , 2019, 2019, 104-109.		4
216	Assessing cognitive control and the reward system in overweight young adults using sensitivity to incentives and white matter integrity. PLoS ONE, 2020, 15, e0233915.	2.5	4

#	ARTICLE	IF	CITATIONS
217	Dynamic Configuration of Coactive Micropatterns in the Default Mode Network During Wakefulness and Sleep. <i>Brain Connectivity</i> , 2021, 11, 471-482.	1.7	4
218	State-independent and state-dependent patterns in the rat default mode network. <i>NeuroImage</i> , 2021, 237, 118148.	4.2	4
219	Cortical thickness abnormalities in patients with first episode psychosis: a meta-analysis of psychoradiologic studies and replication in an independent sample. <i>Psychoradiology</i> , 2021, 1, 185-198.	2.3	4
220	Automatic Recognition of Resting State fMRI Networks with Dictionary Learning. <i>Lecture Notes in Computer Science</i> , 2018, , 249-259.	1.3	3
221	Fused lasso regression for identifying differential correlations in brain connectome graphs. <i>Statistical Analysis and Data Mining</i> , 2018, 11, 203-226.	2.8	3
222	Altered Homotopic Functional Connectivity Within White Matter in the Early Stages of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 697493.	2.8	3
223	fMRI Analysis of Neural Mechanisms Underlying Rehabilitation in Virtual Reality: Activating Secondary Motor Areas. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	3
224	Alteration in the Functional Organization of the Default Mode Network Following Closed Non-severe Traumatic Brain Injury. <i>Frontiers in Neuroscience</i> , 2022, 16, 833320.	2.8	3
225	Structural-functional connectivity mapping of the insular cortex: a combined data-driven and meta-analytic topic mapping. <i>Cerebral Cortex</i> , 2023, 33, 1726-1738.	2.9	3
226	Dynamic and stationary brain connectivity during movie watching as revealed by functional MRI. <i>Brain Structure and Function</i> , 2022, 227, 2299-2312.	2.3	3
227	Neuroplasticity in vision dysfunction. , 2009, , .		2
228	Modeling Causal Relationships among Brain Areas in the Mesocorticolimbic System during Resting-State in Cocaine Users Utilizing a Graph Theoretic Approach. <i>Journal of Alcoholism and Drug Dependence</i> , 2017, 05, .	0.2	2
229	HOW MANY FMRI SCANS ARE NECESSARY AND SUFFICIENT FOR RESTING BRAIN CONNECTIVITY ANALYSIS?. , 2018, , .		2
230	Altered Spatial Organization of Dynamic Functional Network Associates With Deficient Sensory and Perceptual Network in Schizophrenia. <i>Frontiers in Psychiatry</i> , 2021, 12, 687580.	2.6	2
231	Simultaneous assessment of flow and BOLD signals in resting-state functional connectivity maps. , 1997, 10, 165.		2
232	Precise Estimation of Resting State Functional Connectivity Using Empirical Mode Decomposition. <i>Lecture Notes in Computer Science</i> , 2020, , 75-84.	1.3	2
233	Using MRI from 1000 subjects to identify abnormal grey matter in individual tumor subjects. , 2014, , .		1
234	Functional connectivity of vergence neural substrates. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
235	Introduction to the Special Issue on Connectomics. <i>Brain Connectivity</i> , 2019, 9, 1-1.	1.7	1
236	The laminar pattern of resting state in human cerebral cortex. <i>Magnetic Resonance Imaging</i> , 2021, 76, 8-16.	1.8	1
237	Dysconnectivity of the amygdala and dorsal anterior cingulate cortex in drug-naive post-traumatic stress disorder. <i>European Neuropsychopharmacology</i> , 2021, 52, 84-93.	0.7	1
238	Hypothalamic Atrophy, Expanded <sc>CAG</sc> Repeat, and Low Body Mass Index in Spinocerebellar Ataxia Type 3. <i>Movement Disorders</i> , 2022, , .	3.9	1
239	An fMRI investigation in oculomotor learning through vergence eye movements. , 2007, , .		0
240	Independent components of oculomotor learning. , 2009, , .		0
241	Saccadic and vergence functional activity in the pons. , 2009, , .		0
242	Design of microcontroller based circuitry for use in the multi-tesla field strength environments found in functional Magnetic Resonance Imaging. , 2009, , .		0
243	Cortical location of FEF revealed using fMRI. , 2009, , .		0
244	The Cerebral Vascular Enhancement Effect in Establishing Diffusion Tensor Imaging Protocols. , 2009, , .		0
245	Decomposition of Vergence Dynamics Using Independent Component Analysis. , 2009, , .		0
246	Functional MRI as a Tool to Quantify Cortical Changes from Vision Rehabilitation. , 2009, , .		0
247	Functional connectivity in oculomotor movements. , 2010, , .		0
248	The cerebral vascular enhancement effect in establishing diffusion tensor imaging protocols. , 2010, , .		0
249	Comparison of whole-brain to region-based fMRI analyses. , 2012, , .		0
250	An fMRI investigation of a memory guided vergence task: Insights to the parahippocampal area. , 2012, , .		0
251	Hemodynamic Scaling of Task-Induced Signal Changes in Tumor Subjects. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 569463.	2.0	0
252	Review of Resting-State Functional Connectivity Methods and Application in Clinical Populations. , 2021, , 45-74.		0

#	ARTICLE	IF	CITATIONS
253	Relationship Between Age and Cerebral Hemodynamic Response to Breath Holding: A Functional Near-Infrared Spectroscopy Study. <i>Brain Topography</i> , 2021, 34, 154-166.	1.8	0
254	Resting state functional connectivity in pediatric populations. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, 2, 65-87.	0.1	0
255	Neural alterations in working memory of mild&€moderate TBI: An fMRI study in Malaysia. <i>Journal of Neuroscience Research</i> , 2022, 100, 915-932.	2.9	0