## **Christian F Beckmann**

List of Publications by Year in descending order

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		5896	1755
216	81,544	81	212
papers	citations	h-index	g-index
272	272	272	49051
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Advances in functional and structural MR image analysis and implementation as FSL. NeuroImage, 2004, 23, S208-S219.	4.2	11,375
2	FSL. NeuroImage, 2012, 62, 782-790.	4.2	8,804
3	Correspondence of the brain's functional architecture during activation and rest. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13040-13045.	7.1	4,636
4	Consistent resting-state networks across healthy subjects. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13848-13853.	7.1	3,817
5	A multi-modal parcellation of human cerebral cortex. Nature, 2016, 536, 171-178.	27.8	3,634
6	Investigations into resting-state connectivity using independent component analysis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1001-1013.	4.0	3,079
7	Toward discovery science of human brain function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4734-4739.	7.1	2,703
8	Probabilistic Independent Component Analysis for Functional Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2004, 23, 137-152.	8.9	2,389
9	An anatomically comprehensive atlas of the adult human brain transcriptome. Nature, 2012, 489, 391-399.	27.8	2,321
10	Bayesian analysis of neuroimaging data in FSL. NeuroImage, 2009, 45, S173-S186.	4.2	2,074
11	Network modelling methods for FMRI. NeuroImage, 2011, 54, 875-891.	4.2	1,588
12	Automatic denoising of functional MRI data: Combining independent component analysis and hierarchical fusion of classifiers. NeuroImage, 2014, 90, 449-468.	4.2	1,580
13	Distinct patterns of brain activity in young carriers of the <i>APOE</i> -ε4 allele. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7209-7214.	7.1	1,524
14	Multilevel linear modelling for FMRI group analysis using Bayesian inference. NeuroImage, 2004, 21, 1732-1747.	4.2	1,476
15	Resting-state fMRI in the Human Connectome Project. NeuroImage, 2013, 80, 144-168.	4.2	1,367
16	General multilevel linear modeling for group analysis in FMRI. NeuroImage, 2003, 20, 1052-1063.	4.2	1,320
17	ICA-AROMA: A robust ICA-based strategy for removing motion artifacts from fMRI data. NeuroImage, 2015, 112, 267-277.	4.2	1,289
18	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. NeuroImage, 2014, 95, 232-247.	4.2	1,148

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19	fMRI resting state networks define distinct modes of long-distance interactions in the human brain. NeuroImage, 2006, 29, 1359-1367.	4.2	1,124
20	Reduced resting-state brain activity in the "default network―in normal aging. Cerebral Cortex, 2008, 18, 1856-1864.	2.9	1,051
21	Behavioral Interpretations of Intrinsic Connectivity Networks. Journal of Cognitive Neuroscience, 2011, 23, 4022-4037.	2.3	959
22	Distinct Cerebellar Contributions to Intrinsic Connectivity Networks. Journal of Neuroscience, 2009, 29, 8586-8594.	3.6	934
23	Functional connectomics from resting-state fMRI. Trends in Cognitive Sciences, 2013, 17, 666-682.	7.8	802
24	Tensorial extensions of independent component analysis for multisubject FMRI analysis. NeuroImage, 2005, 25, 294-311.	4.2	770
25	Advances and pitfalls in the analysis and interpretation of resting-state FMRI data. Frontiers in Systems Neuroscience, 2010, 4, 8.	2.5	746
26	Exacerbation of Pain by Anxiety Is Associated with Activity in a Hippocampal Network. Journal of Neuroscience, 2001, 21, 9896-9903.	3.6	707
27	Temporally-independent functional modes of spontaneous brain activity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3131-3136.	7.1	696
28	Fractionating the Default Mode Network: Distinct Contributions of the Ventral and Dorsal Posterior Cingulate Cortex to Cognitive Control. Journal of Neuroscience, 2011, 31, 3217-3224.	3.6	668
29	Distinct and Overlapping Functional Zones in the Cerebellum Defined by Resting State Functional Connectivity. Cerebral Cortex, 2010, 20, 953-965.	2.9	647
30	Resting-state functional connectivity in major depressive disorder: A review. Neuroscience and Biobehavioral Reviews, 2015, 56, 330-344.	6.1	640
31	Removal of FMRI environment artifacts from EEG data using optimal basis sets. NeuroImage, 2005, 28, 720-737.	4.2	510
32	Distinct frontal systems for response inhibition, attentional capture, and error processing. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6106-6111.	7.1	464
33	Emergence of resting state networks in the preterm human brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20015-20020.	7.1	461
34	Evaluation of ICA-AROMA and alternative strategies for motion artifact removal in resting state fMRI. NeuroImage, 2015, 112, 278-287.	4.2	447
35	Genetic control over the resting brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1223-1228.	7.1	436
36	Hand classification of fMRI ICA noise components. NeuroImage, 2017, 154, 188-205.	4.2	428

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37	Whole brain resting-state analysis reveals decreased functional connectivity in major depression. Frontiers in Systems Neuroscience, 2010, 4, .	2.5	414
38	Default Mode Network Connectivity Predicts Sustained Attention Deficits after Traumatic Brain Injury. Journal of Neuroscience, 2011, 31, 13442-13451.	3.6	401
39	Default mode network functional and structural connectivity after traumatic brain injury. Brain, 2011, 134, 2233-2247.	7.6	398
40	Understanding Heterogeneity in Clinical Cohorts Using Normative Models: Beyond Case-Control Studies. Biological Psychiatry, 2016, 80, 552-561.	1.3	376
41	Using Dual Regression to Investigate Network Shape and Amplitude in Functional Connectivity Analyses. Frontiers in Neuroscience, 2017, 11, 115.	2.8	332
42	Linked independent component analysis for multimodal data fusion. NeuroImage, 2011, 54, 2198-2217.	4.2	302
43	Mapping the Heterogeneous Phenotype of Schizophrenia and Bipolar Disorder Using Normative Models. JAMA Psychiatry, 2018, 75, 1146.	11.0	290
44	From estimating activation locality to predicting disorder: A review of pattern recognition for neuroimaging-based psychiatric diagnostics. Neuroscience and Biobehavioral Reviews, 2015, 57, 328-349.	6.1	241
45	Accurate brain age prediction with lightweight deep neural networks. Medical Image Analysis, 2021, 68, 101871.	11.6	233
46	Conceptualizing mental disorders as deviations from normative functioning. Molecular Psychiatry, 2019, 24, 1415-1424.	7.9	222
47	Group-PCA for very large fMRI datasets. NeuroImage, 2014, 101, 738-749.	4.2	218
48	Physiological noise modelling for spinal functional magnetic resonance imaging studies. NeuroImage, 2008, 39, 680-692.	4.2	212
49	Meta-analysis of real-time fMRI neurofeedback studies using individual participant data: How is brain regulation mediated?. NeuroImage, 2016, 124, 806-812.	4.2	204
50	Connectopic mapping with resting-state fMRI. NeuroImage, 2018, 170, 83-94.	4.2	203
51	Modelling with independent components. NeuroImage, 2012, 62, 891-901.	4.2	199
52	ICA model order selection of task co-activation networks. Frontiers in Neuroscience, 2013, 7, 237.	2.8	188
53	The relationship between spatial configuration and functional connectivity of brain regions. ELife, 2018, 7, .	6.0	184
54	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. Molecular Autism, 2017, 8, 24.	4.9	183

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55	Development of BOLD signal hemodynamic responses in the human brain. Neurolmage, 2012, 63, 663-673.	4.2	172
56	Differential effects of the APOE genotype on brain function across the lifespan. NeuroImage, 2011, 54, 602-610.	4.2	168
57	Nicotine replacement in abstinent smokers improves cognitive withdrawal symptoms with modulation of resting brain network dynamics. NeuroImage, 2010, 52, 590-599.	4.2	166
58	Spectral characteristics of resting state networks. Progress in Brain Research, 2011, 193, 259-276.	1.4	164
59	Dopamine-Dependent Architecture of Cortico-Subcortical Network Connectivity. Cerebral Cortex, 2013, 23, 1509-1516.	2.9	164
60	Variability in fMRI: A reâ€examination of interâ€session differences. Human Brain Mapping, 2005, 24, 248-257.	3.6	162
61	Functional topography of the human entorhinal cortex. ELife, 2015, 4, .	6.0	161
62	How the brain connects in response to acute stress: A review at the human brain systems level. Neuroscience and Biobehavioral Reviews, 2017, 83, 281-297.	6.1	158
63	Color of Scents: Chromatic Stimuli Modulate Odor Responses in the Human Brain. Journal of Neurophysiology, 2005, 93, 3434-3441.	1.8	155
64	Where is Cingulate Cortex? A Cross-Species View. Trends in Neurosciences, 2020, 43, 285-299.	8.6	150
65	Beyond Lumping and Splitting: A Review of Computational Approaches for Stratifying Psychiatric Disorders. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 433-447.	1.5	148
66	Structural substrates for resting network disruption in temporal lobe epilepsy. Brain, 2012, 135, 2350-2357.	7.6	137
67	Specialization and integration of functional thalamocortical connectivity in the human infant. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6485-6490.	7.1	130
68	Modelâ€free group analysis shows altered BOLD FMRI networks in dementia. Human Brain Mapping, 2009, 30, 256-266.	3.6	129
69	Mixture models with adaptive spatial regularization for segmentation with an application to FMRI data. IEEE Transactions on Medical Imaging, 2005, 24, 1-11.	8.9	126
70	Functional corticostriatal connection topographies predict goal-directed behaviour in humans. Nature Human Behaviour, 2017, 1, 0146.	12.0	126
71	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. Molecular Autism, 2017, 8, 27.	4.9	126
72	A crossâ€nodal system linking primary auditory and visual cortices: Evidence from intrinsic fMRI connectivity analysis. Human Brain Mapping, 2008, 29, 848-857.	3.6	123

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73	Ghrelin mimics fasting to enhance human hedonic, orbitofrontal cortex, and hippocampal responses to food. American Journal of Clinical Nutrition, 2014, 99, 1319-1330.	4.7	116
74	Patients with autism spectrum disorders display reproducible functional connectivity alterations. Science Translational Medicine, 2019, 11, .	12.4	115
75	Individual differences <i>v.</i> the average patient: mapping the heterogeneity in ADHD using normative models. Psychological Medicine, 2020, 50, 314-323.	4.5	113
76	Differential and distributed effects of dopamine neuromodulations on resting-state network connectivity. NeuroImage, 2013, 78, 59-67.	4.2	112
77	Task-Free Functional MRI in Cervical Dystonia Reveals Multi-Network Changes That Partially Normalize with Botulinum Toxin. PLoS ONE, 2013, 8, e62877.	2.5	112
78	Revealing the neural fingerprints of a missing hand. ELife, 2016, 5, .	6.0	107
79	Dynamic Shifts in Large-Scale Brain Network Balance As a Function of Arousal. Journal of Neuroscience, 2017, 37, 281-290.	3.6	104
80	Somatosensory cortical activation identified by functional MRI in preterm and term infants. NeuroImage, 2010, 49, 2063-2071.	4.2	102
81	Effects of morphine and alcohol on functional brain connectivity during "resting state―A placeboâ€controlled crossover study in healthy young men. Human Brain Mapping, 2012, 33, 1003-1018.	3.6	98
82	Large-scale Probabilistic Functional Modes from resting state fMRI. NeuroImage, 2015, 109, 217-231.	4.2	98
83	Impact of Working Memory Load on fMRI Resting State Pattern in Subsequent Resting Phases. PLoS ONE, 2009, 4, e7198.	2.5	97
84	Dissecting the Heterogeneous Cortical AnatomyÂof Autism Spectrum Disorder Using Normative Models. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 567-578.	1.5	97
85	Model-free characterization of brain functional networks for motor sequence learning using fMRI. NeuroImage, 2008, 39, 1950-1958.	4.2	94
86	Intrinsically organized resting state networks in the human spinal cord. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18067-18072.	7.1	93
87	Regional White Matter Integrity Differentiates Between Vascular Dementia and Alzheimer Disease. Stroke, 2009, 40, 773-779.	2.0	90
88	The executive control network and symptomatic improvement in attention-deficit/hyperactivity disorder. Cortex, 2015, 73, 62-72.	2.4	90
89	From pattern classification to stratification: towards conceptualizing the heterogeneity of Autism Spectrum Disorder. Neuroscience and Biobehavioral Reviews, 2019, 104, 240-254.	6.1	88
90	Inter-individual differences in human brain structure and morphology link to variation in demographics and behavior. ELife, 2019, 8, .	6.0	86

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91	Functional segmentation of the hippocampus in the healthy human brain and in Alzheimer's disease. NeuroImage, 2013, 66, 28-35.	4.2	85
92	Altered Connectivity Between Cerebellum, Visual, and Sensory-Motor Networks in Autism Spectrum Disorder: Results from the EU-AIMS Longitudinal European Autism Project. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 260-270.	1.5	82
93	The functional organisation of the hippocampus along its long axis is gradual and predicts recollection. Cortex, 2019, 119, 324-335.	2.4	80
94	Safety, Tolerability, and Feasibility of Young Plasma Infusion in the Plasma for Alzheimer Symptom Amelioration Study. JAMA Neurology, 2019, 76, 35.	9.0	77
95	Relating functional changes during hand movement to clinical parameters in patients with multiple sclerosis in a multiâ€centre fMRI study. European Journal of Neurology, 2008, 15, 113-122.	3.3	75
96	Functional and structural changes in the memory network associated with left temporal lobe epilepsy. Human Brain Mapping, 2009, 30, 4070-4081.	3.6	75
97	Altered functional connectivity of the amygdaloid input nuclei in adolescents and young adults with autism spectrum disorder: a resting state fMRI study. Molecular Autism, 2016, 7, 13.	4.9	71
98	Applying FSL to the FIAC data: Model-based and model-free analysis of voice and sentence repetition priming. Human Brain Mapping, 2006, 27, 380-391.	3.6	69
99	Resting-State Functional Connectivity Changes in Aging apoE4 and apoE-KO Mice. Journal of Neuroscience, 2014, 34, 13963-13975.	3.6	68
100	Functional anatomy of the human thalamus at rest. NeuroImage, 2017, 147, 678-691.	4.2	68
101	Distinct functional networks within the cerebellum and their relation to cortical systems assessed with independent component analysis. NeuroImage, 2012, 60, 2073-2085.	4.2	64
102	The relationship between spatial configuration and functional connectivity of brain regions revisited. ELife, 2019, 8, .	6.0	64
103	Changes in restingâ€state brain networks in writer's cramp. Human Brain Mapping, 2012, 33, 840-848.	3.6	63
104	Orbitofrontal Connectivity with Resting-State Networks Is Associated with Midbrain Dopamine D3 Receptor Availability. Cerebral Cortex, 2012, 22, 2784-2793.	2.9	62
105	The impact of "physiological correction―on functional connectivity analysis of pharmacological resting state fMRI. Neurolmage, 2013, 65, 499-510.	4.2	62
106	The normative modeling framework for computational psychiatry. Nature Protocols, 2022, 17, 1711-1734.	12.0	61
107	Meaningful design and contrast estimability in FMRI. NeuroImage, 2007, 34, 127-136.	4.2	60
108	Default mode network coherence in treatment-resistant major depressive disorder during electroconvulsive therapy. Journal of Affective Disorders, 2016, 205, 130-137.	4.1	60

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109	The contribution of the inferior parietal cortex to spoken language production. Brain and Language, 2012, 121, 47-57.	1.6	59
110	Artificial limb representation in amputees. Brain, 2018, 141, 1422-1433.	7.6	53
111	Impairment of movement-associated brain deactivation in multiple sclerosis: further evidence for a functional pathology of interhemispheric neuronal inhibition. Experimental Brain Research, 2008, 187, 25-31.	1.5	52
112	Understanding brain organisation in the face of functional heterogeneity and functional multiplicity. NeuroImage, 2020, 220, 117061.	4.2	51
113	Functional parcellation using time courses of instantaneous connectivity. NeuroImage, 2018, 170, 31-40.	4.2	50
114	Attention-Deficit/Hyperactivity Disorder Symptoms Coincide With Altered Striatal Connectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 353-363.	1.5	47
115	Ketamine interactions with biomarkers of stress: A randomized placebo-controlled repeated measures resting-state fMRI and PCASL pilot study in healthy men. NeuroImage, 2015, 108, 396-409.	4.2	46
116	Altered striatal and pallidal connectivity in cervical dystonia. Brain Structure and Function, 2015, 220, 513-523.	2.3	43
117	Integrated analysis of gray and white matter alterations in attention-deficit/hyperactivity disorder. NeuroImage: Clinical, 2016, 11, 357-367.	2.7	43
118	Replicating extensive brain structural heterogeneity in individuals with schizophrenia and bipolar disorder. Human Brain Mapping, 2021, 42, 2546-2555.	3.6	42
119	Fractionating autism based on neuroanatomical normative modeling. Translational Psychiatry, 2020, 10, 384.	4.8	40
120	Towards robust and replicable sex differences in the intrinsic brain function of autism. Molecular Autism, 2021, 12, 19.	4.9	40
121	Refinement by integration: aggregated effects of multimodal imaging markers on adult ADHD. Journal of Psychiatry and Neuroscience, 2017, 42, 386-394.	2.4	39
122	Towards understanding language organisation in the brain using fMRI. Human Brain Mapping, 2003, 18, 239-247.	3.6	38
123	Short-term adaptation to a simple motor task: A physiological process preserved in multiple sclerosis. NeuroImage, 2009, 45, 500-511.	4.2	38
124	Identification and characterisation of midbrain nuclei using optimised functional magnetic resonance imaging. NeuroImage, 2012, 59, 1230-1238.	4.2	38
125	Warped Bayesian linear regression for normative modelling of big data. NeuroImage, 2021, 245, 118715.	4.2	38
126	Age-related adaptations of brain function during a memory task are also present at rest. Neurolmage, 2012, 59, 3821-3828.	4.2	37

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127	Regional atrophy of transcallosal prefrontal connections in cognitively normal <i>APOE</i> ϵ4 carriers. Journal of Magnetic Resonance Imaging, 2009, 29, 1021-1026.	3.4	36
128	Atypical Brain Asymmetry in Autism—A Candidate for Clinically Meaningful Stratification. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 802-812.	1.5	36
129	Bayesian deconvolution fMRI data using bilinear dynamical systems. NeuroImage, 2008, 42, 1381-1396.	4.2	34
130	Optimizing full-brain coverage in human brain MRI through population distributions of brain size. NeuroImage, 2014, 98, 513-520.	4.2	33
131	Objective analysis of the topological organization of the human cortical visual connectome suggests three visual pathways. Cortex, 2018, 98, 73-83.	2.4	31
132	Structural and Functional Reorganization of the Brain in Migraine Without Aura. Frontiers in Neurology, 2019, 10, 442.	2.4	31
133	Structural changes induced by electroconvulsive therapy are associated with clinical outcome. Brain Stimulation, 2020, 13, 696-704.	1.6	31
134	Reduction in Cerebral Atrophy Associated with Ethyl-Eicosapentaenoic Acid Treatment in Patients with Huntington's Disease. Journal of International Medical Research, 2008, 36, 896-905.	1.0	30
135	An Investigation of RSN Frequency Spectra Using Ultra-Fast Generalized Inverse Imaging. Frontiers in Human Neuroscience, 2013, 7, 156.	2.0	30
136	Networkâ€level assessment of rewardâ€related activation in patients with <scp>ADHD</scp> and healthy individuals. Human Brain Mapping, 2017, 38, 2359-2369.	3.6	30
137	Effects of repeatability measures on results of fMRI sICA: A study on simulated and real resting-state effects. NeuroImage, 2011, 56, 554-569.	4.2	29
138	Investigating the intrinsic dimensionality of FMRI data for ICA. NeuroImage, 2001, 13, 76.	4.2	28
139	Interindividual Differences in Cortical Thickness and Their Genomic Underpinnings in Autism Spectrum Disorder. American Journal of Psychiatry, 2022, 179, 242-254.	7.2	28
140	Hierarchical Bayesian Regression for Multi-site Normative Modeling of Neuroimaging Data. Lecture Notes in Computer Science, 2020, , 699-709.	1.3	28
141	Functional connectivity in cortico-subcortical brain networks underlying reward processing in attention-deficit/hyperactivity disorder. NeuroImage: Clinical, 2016, 12, 796-805.	2.7	27
142	Linked anatomical and functional brain alterations in children with attention-deficit/hyperactivity disorder. NeuroImage: Clinical, 2019, 23, 101851.	2.7	27
143	Bayesian inference of structural brain networks. NeuroImage, 2013, 66, 543-552.	4.2	25
144	Thresholding functional connectomes by means of mixture modeling. NeuroImage, 2018, 171, 402-414.	4.2	25

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145	Gray matter covariations and core symptoms of autism: the EU-AIMS Longitudinal European Autism Project. Molecular Autism, 2020, 11, 86.	4.9	25
146	Principles of temporal association cortex organisation as revealed by connectivity gradients. Brain Structure and Function, 2020, 225, 1245-1260.	2.3	25
147	Resting state FMRI research in child psychiatric disorders. European Child and Adolescent Psychiatry, 2013, 22, 757-770.	4.7	24
148	Distinct Frontal Networks Are Involved in Adapting to Internally and Externally Signaled Errors. Cerebral Cortex, 2013, 23, 703-713.	2.9	24
149	Reproducibility of Resting State Connectivity in Patients with Stable Multiple Sclerosis. PLoS ONE, 2016, 11, e0152158.	2.5	24
150	The Visual Word Form System in Context. Journal of Neuroscience, 2011, 31, 193-199.	3.6	22
151	Spatial heterogeneity of the relation between restingâ€state connectivity and blood flow: An important consideration for pharmacological studies. Human Brain Mapping, 2014, 35, 929-942.	3.6	22
152	Aberrant local striatal functional connectivity in attentionâ€deficit/hyperactivity disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2016, 57, 697-705.	5.2	22
153	Functional integrity in children with anoxic brain injury from drowning. Human Brain Mapping, 2017, 38, 4813-4831.	3.6	21
154	Connectivity-Based Parcellation of the Amygdala Predicts Social Skills in Adolescents with Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2018, 48, 572-582.	2.7	21
155	Personality Profiles Are Associated with Functional Brain Networks Related to Cognition and Emotion. Scientific Reports, 2018, 8, 13874.	3.3	21
156	Temporal Profiles of Social Attention Are Different Across Development in Autistic and Neurotypical People. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 813-824.	1.5	21
157	Discriminating stress from rest based on restingâ€state connectivity of the human brain: A supervised machine learning study. Human Brain Mapping, 2020, 41, 3089-3099.	3.6	21
158	Optimising a Simple Fully Convolutional Network for Accurate Brain Age Prediction in the PAC 2019 Challenge. Frontiers in Psychiatry, 2021, 12, 627996.	2.6	21
159	The impact of hemodynamic variability and signal mixing on the identifiability of effective connectivity structures in <scp>BOLD fMRI</scp> . Brain and Behavior, 2017, 7, e00777.	2.2	20
160	Phenotype discovery from population brain imaging. Medical Image Analysis, 2021, 71, 102050.	11.6	20
161	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis. Molecular Autism, 2022, 13, 22.	4.9	20
162	Cerebellar Atypicalities in Autism?. Biological Psychiatry, 2022, 92, 674-682.	1.3	20

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163	Linked MRI signatures of the brain's acute and persistent response to concussion in female varsity rugby players. NeuroImage: Clinical, 2019, 21, 101627.	2.7	19
164	Instability of Prefrontal Signal Processing in Schizophrenia. American Journal of Psychiatry, 2006, 163, 1960.	7.2	19
165	A Bayesian spatial model for neuroimaging data based on biologically informed basis functions. NeuroImage, 2017, 161, 134-148.	4.2	18
166	Specific patterns of brain alterations underlie distinct clinical profiles in Huntington's disease. NeuroImage: Clinical, 2019, 23, 101900.	2.7	18
167	The Quest for EEG Power Band Correlation with ICA Derived fMRI Resting State Networks. Frontiers in Human Neuroscience, 2013, 7, 315.	2.0	17
168	Imbalanced social-communicative and restricted repetitive behavior subtypes of autism spectrum disorder exhibit different neural circuitry. Communications Biology, 2021, 4, 574.	4.4	17
169	A central role for anterior cingulate cortex in the control of pathological aggression. Current Biology, 2021, 31, 2321-2333.e5.	3.9	17
170	Quantifying patterns of brain activity: Distinguishing unaffected siblings from participants with ADHD and healthy individuals. NeuroImage: Clinical, 2016, 12, 227-233.	2.7	16
171	Plasticity versus stability across the human cortical visual connectome. Nature Communications, 2019, 10, 3174.	12.8	16
172	An Integrated Analysis of Neural Network Correlates of Categorical and Dimensional Models of Attention-Deficit/Hyperactivity Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 472-483.	1.5	16
173	Imaging genomics discovery of a new risk variant for Alzheimer's disease in the postsynaptic SHARPIN gene. Human Brain Mapping, 2020, 41, 3737-3748.	3.6	16
174	Functional thalamocortical connectivity at term equivalent age and outcome at 2 years in infants born preterm. Cortex, 2021, 135, 17-29.	2.4	15
175	Neurobiological Correlates of Change in Adaptive Behavior in Autism. American Journal of Psychiatry, 2022, 179, 336-349.	7.2	15
176	Lesion locations influencing baseline severity and early recovery in ischaemic stroke. European Journal of Neurology, 2014, 21, 1226-1232.	3.3	14
177	Gradient of Parvalbumin- and Somatostatin-Expressing Interneurons Across Cingulate Cortex Is Differentially Linked to Aggression and Sociability in BALB/cJ Mice. Frontiers in Psychiatry, 2019, 10, 809.	2.6	14
178	Mesoscale hierarchical organization of primary somatosensory cortex captured by resting-state-fMRI in humans. NeuroImage, 2021, 235, 118031.	4.2	14
179	Dynamic Shifts in Large-Scale Brain Network Balance As a Function of Arousal. Journal of Neuroscience, 2017, 37, 281-290.	3.6	14
180	Acute-stress-induced change in salience network coupling prospectively predicts post-trauma symptom development. Translational Psychiatry, 2022, 12, 63.	4.8	14

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181	Disentangling common from specific processing across tasks using task potency. Neurolmage, 2019, 184, 632-645.	4.2	13
182	A Brain Network Processing the Age of Faces. PLoS ONE, 2012, 7, e49451.	2.5	13
183	Reduced fronto-striatal volume in attention-deficit/hyperactivity disorder in two cohorts across the lifespan. NeuroImage: Clinical, 2020, 28, 102403.	2.7	12
184	Inference of functional connectivity from direct and indirect structural brain connections. , 2011, , .		10
185	Functional co-activation of the default mode network in APOE ε4-carriers: A replication study. NeuroImage, 2021, 240, 118304.	4.2	9
186	Statistical Analysis of fMRI Data. Neuromethods, 2009, , 179-236.	0.3	9
187	Mapping dopaminergic projections in the human brain with resting-state fMRI. ELife, 2022, 11, .	6.0	9
188	Scanning for the scanner: FMRI of audition by read-out omissions from echo-planar imaging. NeuroImage, 2007, 35, 234-243.	4.2	8
189	Morphological MRI phenotypes of multiple sclerosis differ in resting-state brain function. Scientific Reports, 2019, 9, 16221.	3.3	8
190	White Matter Microstructure in Attention-Deficit/Hyperactivity Disorder: A Systematic Tractography Study in 654 Individuals. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 979-988.	1.5	8
191	Uncovering neurodevelopmental paths to autism spectrum disorder through an integrated analysis of developmental measures and neural sensitivity to faces. Journal of Psychiatry and Neuroscience, 2021, 46, E34-E43.	2.4	8
192	Background MR gradient noise and non-auditory BOLD activations: A data-driven perspective. Brain Research, 2009, 1282, 74-83.	2.2	7
193	Inference of functional connectivity from structural brain connectivity. , 2010, , .		7
194	Assessing age-dependent multi-task functional co-activation changes using measures of task-potency. Developmental Cognitive Neuroscience, 2018, 33, 5-16.	4.0	7
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