

Christian F Beckmann

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4010902/christian-f-beckmann-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

59,726
citations

75
h-index

244
g-index

271
ext. papers

73,485
ext. citations

7
avg, IF

7.67
L-index

#	Paper	IF	Citations
226	Acute-stress-induced change in salience network coupling prospectively predicts post-trauma symptom development.. <i>Translational Psychiatry</i> , 2022 , 12, 63	8.6	1
225	Neurobiological Correlates of Change in Adaptive Behavior in Autism.. <i>American Journal of Psychiatry</i> , 2022 , appiajp21070711	11.9	0
224	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis.. <i>Molecular Autism</i> , 2022 , 13, 22	6.5	0
223	Longitudinal changes of ADHD symptoms in association with white matter microstructure: A tract-specific fixel-based analysis. <i>NeuroImage: Clinical</i> , 2022 , 35, 103057	5.3	0
222	Associations between attention-deficit hyperactivity disorder (ADHD) symptom remission and white matter microstructure: A longitudinal analysis.. <i>JCPP Advances</i> , 2021 , 1, e12040		0
221	Warped Bayesian linear regression for normative modelling of big data. <i>NeuroImage</i> , 2021 , 245, 118715	7.9	3
220	Atypical Brain Asymmetry in Autism-A Candidate for Clinically Meaningful Stratification. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 802-812	3.4	14
219	Temporal Profiles of Social Attention Are Different Across Development in Autistic and Neurotypical People. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 813-824	3.4	10
218	Towards robust and replicable sex differences in the intrinsic brain function of autism. <i>Molecular Autism</i> , 2021 , 12, 19	6.5	9
217	Task-generic and task-specific connectivity modulations in the ADHD brain: an integrated analysis across multiple tasks. <i>Translational Psychiatry</i> , 2021 , 11, 159	8.6	1
216	Imbalanced social-communicative and restricted repetitive behavior subtypes of autism spectrum disorder exhibit different neural circuitry. <i>Communications Biology</i> , 2021 , 4, 574	6.7	4
215	Optimising a Simple Fully Convolutional Network for Accurate Brain Age Prediction in the PAC 2019 Challenge. <i>Frontiers in Psychiatry</i> , 2021 , 12, 627996	5	4
214	A central role for anterior cingulate cortex in the control of pathological aggression. <i>Current Biology</i> , 2021 , 31, 2321-2333.e5	6.3	6
213	Phenotype discovery from population brain imaging. <i>Medical Image Analysis</i> , 2021 , 71, 102050	15.4	5
212	Accurate brain age prediction with lightweight deep neural networks. <i>Medical Image Analysis</i> , 2021 , 68, 101871	15.4	60
211	Functional thalamocortical connectivity at term equivalent age and outcome at 2 years in infants born preterm. <i>Cortex</i> , 2021 , 135, 17-29	3.8	3
210	Replicating extensive brain structural heterogeneity in individuals with schizophrenia and bipolar disorder. <i>Human Brain Mapping</i> , 2021 , 42, 2546-2555	5.9	13

209	Uncovering neurodevelopmental paths to autism spectrum disorder through an integrated analysis of developmental measures and neural sensitivity to faces. <i>Journal of Psychiatry and Neuroscience</i> , 2021 , 46, E34-E43	4.5	3
208	Mesoscale hierarchical organization of primary somatosensory cortex captured by resting-state-fMRI in humans. <i>NeuroImage</i> , 2021 , 235, 118031	7.9	3
207	Connectivity gradients on tractography data: Pipeline and example applications. <i>Human Brain Mapping</i> , 2021 , 42, 5827-5845	5.9	1
206	Interindividual Differences in Cortical Thickness and Their Genomic Underpinnings in Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2021 , appiajp202120050630	11.9	2
205	Functional co-activation of the default mode network in APOE ϵ -carriers: A replication study. <i>NeuroImage</i> , 2021 , 240, 118304	7.9	2
204	Gray matter covariations and core symptoms of autism: the EU-AIMS Longitudinal European Autism Project. <i>Molecular Autism</i> , 2020 , 11, 86	6.5	7
203	Single-subject Single-session Temporally-Independent Functional Modes of Brain Activity. <i>NeuroImage</i> , 2020 , 218, 116783	7.9	3
202	Understanding brain organisation in the face of functional heterogeneity and functional multiplicity. <i>NeuroImage</i> , 2020 , 220, 117061	7.9	18
201	Imaging genomics discovery of a new risk variant for Alzheimer's disease in the postsynaptic SHARPIN gene. <i>Human Brain Mapping</i> , 2020 , 41, 3737-3748	5.9	8
200	Principles of temporal association cortex organisation as revealed by connectivity gradients. <i>Brain Structure and Function</i> , 2020 , 225, 1245-1260	4	14
199	Where is Cingulate Cortex? A Cross-Species View. <i>Trends in Neurosciences</i> , 2020 , 43, 285-299	13.3	57
198	Structural changes induced by electroconvulsive therapy are associated with clinical outcome. <i>Brain Stimulation</i> , 2020 , 13, 696-704	5.1	11
197	Hierarchical Bayesian Regression for Multi-site Normative Modeling of Neuroimaging Data. <i>Lecture Notes in Computer Science</i> , 2020 , 699-709	0.9	12
196	Reduced fronto-striatal volume in attention-deficit/hyperactivity disorder in two cohorts across the lifespan. <i>NeuroImage: Clinical</i> , 2020 , 28, 102403	5.3	5
195	White Matter Microstructure in Attention-Deficit/Hyperactivity Disorder: A Systematic Tractography Study in 654 Individuals. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 ,	3.4	4
194	Gradient mapping in the human hippocampus: Reply to Poppenk. <i>Cortex</i> , 2020 , 128, 318-321	3.8	1
193	Fractionating autism based on neuroanatomical normative modeling. <i>Translational Psychiatry</i> , 2020 , 10, 384	8.6	9
192	Individual differences the average patient: mapping the heterogeneity in ADHD using normative models. <i>Psychological Medicine</i> , 2020 , 50, 314-323	6.9	48

191	Discriminating stress from rest based on resting-state connectivity of the human brain: A supervised machine learning study. <i>Human Brain Mapping</i> , 2020 , 41, 3089-3099	5.9	9
190	Conceptualizing mental disorders as deviations from normative functioning. <i>Molecular Psychiatry</i> , 2019 , 24, 1415-1424	15.1	92
189	Increasing robustness of pairwise methods for effective connectivity in magnetic resonance imaging by using fractional moment series of BOLD signal distributions. <i>Network Neuroscience</i> , 2019 , 3, 1009-1037	5.6	2
188	Structural and Functional Reorganization of the Brain in Migraine Without Aura. <i>Frontiers in Neurology</i> , 2019 , 10, 442	4.1	15
187	The functional organisation of the hippocampus along its long axis is gradual and predicts recollection. <i>Cortex</i> , 2019 , 119, 324-335	3.8	42
186	Linked anatomical and functional brain alterations in children with attention-deficit/hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2019 , 23, 101851	5.3	12
185	Quantitative Intensity Harmonization of Dopamine Transporter SPECT Images Using Gamma Mixture Models. <i>Molecular Imaging and Biology</i> , 2019 , 21, 339-347	3.8	2
184	Plasticity versus stability across the human cortical visual connectome. <i>Nature Communications</i> , 2019 , 10, 3174	17.4	9
183	From pattern classification to stratification: towards conceptualizing the heterogeneity of Autism Spectrum Disorder. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 104, 240-254	9	37
182	Specific patterns of brain alterations underlie distinct clinical profiles in Huntington's disease. <i>NeuroImage: Clinical</i> , 2019 , 23, 101900	5.3	11
181	Morphological MRI phenotypes of multiple sclerosis differ in resting-state brain function. <i>Scientific Reports</i> , 2019 , 9, 16221	4.9	5
180	Inter-individual differences in human brain structure and morphology link to variation in demographics and behavior. <i>ELife</i> , 2019 , 8,	8.9	42
179	Author response: Inter-individual differences in human brain structure and morphology link to variation in demographics and behavior 2019 ,		2
178	The relationship between spatial configuration and functional connectivity of brain regions revisited. <i>ELife</i> , 2019 , 8,	8.9	34
177	Patients with autism spectrum disorders display reproducible functional connectivity alterations. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	63
176	Gradient of Parvalbumin- and Somatostatin-Expressing Interneurons Across Cingulate Cortex Is Differentially Linked to Aggression and Sociability in BALB/CJ Mice. <i>Frontiers in Psychiatry</i> , 2019 , 10, 809 ⁵		6
175	Dissecting the Heterogeneous Cortical Anatomy of Autism Spectrum Disorder Using Normative Models. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 567-578	3.4	47
174	An Integrated Analysis of Neural Network Correlates of Categorical and Dimensional Models of Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 472-483	3.4	9

173	Linked MRI signatures of the brain's acute and persistent response to concussion in female varsity rugby players. <i>NeuroImage: Clinical</i> , 2019 , 21, 101627	5.3	11
172	Safety, Tolerability, and Feasibility of Young Plasma Infusion in the Plasma for Alzheimer Symptom Amelioration Study: A Randomized Clinical Trial. <i>JAMA Neurology</i> , 2019 , 76, 35-40	17.2	51
171	Altered Connectivity Between Cerebellum, Visual, and Sensory-Motor Networks in Autism Spectrum Disorder: Results from the EU-AIMS Longitudinal European Autism Project. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 260-270	3.4	43
170	Disentangling common from specific processing across tasks using task potency. <i>NeuroImage</i> , 2019 , 184, 632-645	7.9	5
169	Thresholding functional connectomes by means of mixture modeling. <i>NeuroImage</i> , 2018 , 171, 402-414	7.9	14
168	Artificial limb representation in amputees. <i>Brain</i> , 2018 , 141, 1422-1433	11.2	32
167	Objective analysis of the topological organization of the human cortical visual connectome suggests three visual pathways. <i>Cortex</i> , 2018 , 98, 73-83	3.8	18
166	Connectopic mapping with resting-state fMRI. <i>NeuroImage</i> , 2018 , 170, 83-94	7.9	109
165	Functional parcellation using time courses of instantaneous connectivity. <i>NeuroImage</i> , 2018 , 170, 31-40	7.9	32
164	Author response: The relationship between spatial configuration and functional connectivity of brain regions 2018 ,		12
163	Assessing age-dependent multi-task functional co-activation changes using measures of task-potency. <i>Developmental Cognitive Neuroscience</i> , 2018 , 33, 5-16	5.5	4
162	Investigating the impact of overnight fasting on intrinsic functional connectivity: a double-blind fMRI study. <i>Brain Imaging and Behavior</i> , 2018 , 12, 1150-1159	4.1	6
161	Connectivity-Based Parcellation of the Amygdala Predicts Social Skills in Adolescents with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2018 , 48, 572-582	4.6	14
160	Mapping the Heterogeneous Phenotype of Schizophrenia and Bipolar Disorder Using Normative Models. <i>JAMA Psychiatry</i> , 2018 , 75, 1146-1155	14.5	147
159	Personality Profiles Are Associated with Functional Brain Networks Related to Cognition and Emotion. <i>Scientific Reports</i> , 2018 , 8, 13874	4.9	14
158	The relationship between spatial configuration and functional connectivity of brain regions. <i>ELife</i> , 2018 , 7,	8.9	105
157	Network-level assessment of reward-related activation in patients with ADHD and healthy individuals. <i>Human Brain Mapping</i> , 2017 , 38, 2359-2369	5.9	21
156	Dynamic Shifts in Large-Scale Brain Network Balance As a Function of Arousal. <i>Journal of Neuroscience</i> , 2017 , 37, 281-290	6.6	68

155	Functional anatomy of the human thalamus at rest. <i>NeuroImage</i> , 2017 , 147, 678-691	7.9	34
154	Hand classification of fMRI ICA noise components. <i>NeuroImage</i> , 2017 , 154, 188-205	7.9	249
153	How the brain connects in response to acute stress: A review at the human brain systems level. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 83, 281-297	9	81
152	Functional corticostriatal connection topographies predict goal directed behaviour in humans. <i>Nature Human Behaviour</i> , 2017 , 1, 0146	12.8	80
151	The impact of hemodynamic variability and signal mixing on the identifiability of effective connectivity structures in BOLD fMRI. <i>Brain and Behavior</i> , 2017 , 7, e00777	3.4	7
150	Functional integrity in children with anoxic brain injury from drowning. <i>Human Brain Mapping</i> , 2017 , 38, 4813-4831	5.9	12
149	A Bayesian spatial model for neuroimaging data based on biologically informed basis functions. <i>NeuroImage</i> , 2017 , 161, 134-148	7.9	10
148	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. <i>Molecular Autism</i> , 2017 , 8, 24	6.5	106
147	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017 , 8, 27	6.5	69
146	Anger-sensitive networks: characterizing neural systems recruited during aggressive social interactions using data-driven analysis. <i>Social Cognitive and Affective Neuroscience</i> , 2017 , 12, 1711-1719	4	3
145	Using Dual Regression to Investigate Network Shape and Amplitude in Functional Connectivity Analyses. <i>Frontiers in Neuroscience</i> , 2017 , 11, 115	5.1	183
144	Refinement by integration: aggregated effects of multimodal imaging markers on adult ADHD. <i>Journal of Psychiatry and Neuroscience</i> , 2017 , 42, 386-394	4.5	25
143	Dynamic Shifts in Large-Scale Brain Network Balance As a Function of Arousal. <i>Journal of Neuroscience</i> , 2017 , 37, 281-290	6.6	5
142	Default mode network coherence in treatment-resistant major depressive disorder during electroconvulsive therapy. <i>Journal of Affective Disorders</i> , 2016 , 205, 130-137	6.6	42
141	Functional connectivity in cortico-subcortical brain networks underlying reward processing in attention-deficit/hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2016 , 12, 796-805	5.3	23
140	A multi-modal parcellation of human cerebral cortex. <i>Nature</i> , 2016 , 536, 171-178	50.4	2046
139	Altered functional connectivity of the amygdaloid input nuclei in adolescents and young adults with autism spectrum disorder: a resting state fMRI study. <i>Molecular Autism</i> , 2016 , 7, 13	6.5	41
138	Understanding Heterogeneity in Clinical Cohorts Using Normative Models: Beyond Case-Control Studies. <i>Biological Psychiatry</i> , 2016 , 80, 552-61	7.9	185

137	Meta-analysis of real-time fMRI neurofeedback studies using individual participant data: How is brain regulation mediated?. <i>NeuroImage</i> , 2016 , 124, 806-812	7.9	138
136	Revealing the neural fingerprints of a missing hand. <i>ELife</i> , 2016 , 5,	8.9	73
135	Identifying Large-Scale Neural Networks Using fMRI 2016 , 209-237		1
134	Reproducibility of Resting State Connectivity in Patients with Stable Multiple Sclerosis. <i>PLoS ONE</i> , 2016 , 11, e0152158	3.7	19
133	Aberrant local striatal functional connectivity in attention-deficit/hyperactivity disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016 , 57, 697-705	7.9	14
132	Integrated analysis of gray and white matter alterations in attention-deficit/hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2016 , 11, 357-367	5.3	26
131	Attention-Deficit/Hyperactivity Disorder symptoms coincide with altered striatal connectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016 , 1, 353-363	3.4	33
130	Beyond Lumping and Splitting: A Review of Computational Approaches for Stratifying Psychiatric Disorders. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016 , 1, 433-447	3.4	103
129	Statistical Analysis of fMRI Data. <i>NeuroMethods</i> , 2016 , 183-239	0.4	1
128	Quantifying patterns of brain activity: Distinguishing unaffected siblings from participants with ADHD and healthy individuals. <i>NeuroImage: Clinical</i> , 2016 , 12, 227-33	5.3	13
127	ICA-AROMA: A robust ICA-based strategy for removing motion artifacts from fMRI data. <i>NeuroImage</i> , 2015 , 112, 267-277	7.9	724
126	Evaluation of ICA-AROMA and alternative strategies for motion artifact removal in resting state fMRI. <i>NeuroImage</i> , 2015 , 112, 278-287	7.9	289
125	Specialization and integration of functional thalamocortical connectivity in the human infant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6485-90	11.5	104
124	Neuronale Netzwerke aggressiver Interaktion und Furchtreaktivität: Anwendung von Unabhängigkeitsanalysen in den sozialen Neurowissenschaften. <i>Klinische Neurophysiologie</i> , 2015 , 46, 103-105	0.2	
123	From estimating activation locality to predicting disorder: A review of pattern recognition for neuroimaging-based psychiatric diagnostics. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 57, 328-49	9	197
122	Resting-State Networks. <i>Biological Magnetic Resonance</i> , 2015 , 387-425	0.5	0
121	The executive control network and symptomatic improvement in attention-deficit/hyperactivity disorder. <i>Cortex</i> , 2015 , 73, 62-72	3.8	59
120	Resting-state functional connectivity in major depressive disorder: A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 56, 330-44	9	432

119	Altered striatal and pallidal connectivity in cervical dystonia. <i>Brain Structure and Function</i> , 2015 , 220, 513-23	4	28
118	Ketamine interactions with biomarkers of stress: a randomized placebo-controlled repeated measures resting-state fMRI and PCASL pilot study in healthy men. <i>NeuroImage</i> , 2015 , 108, 396-409	7.9	36
117	Large-scale probabilistic functional modes from resting state fMRI. <i>NeuroImage</i> , 2015 , 109, 217-31	7.9	67
116	Functional topography of the human entorhinal cortex. <i>ELife</i> , 2015 , 4,	8.9	107
115	Automatic denoising of functional MRI data: combining independent component analysis and hierarchical fusion of classifiers. <i>NeuroImage</i> , 2014 , 90, 449-68	7.9	995
114	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging. <i>NeuroImage</i> , 2014 , 95, 232-47	7.9	708
113	Resting-state functional connectivity changes in aging apoE4 and apoE-KO mice. <i>Journal of Neuroscience</i> , 2014 , 34, 13963-75	6.6	56
112	Group-PCA for very large fMRI datasets. <i>NeuroImage</i> , 2014 , 101, 738-49	7.9	157
111	Optimizing full-brain coverage in human brain MRI through population distributions of brain size. <i>NeuroImage</i> , 2014 , 98, 513-20	7.9	23
110	Intrinsically organized resting state networks in the human spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18067-72	11.5	63
109	Lesion locations influencing baseline severity and early recovery in ischaemic stroke. <i>European Journal of Neurology</i> , 2014 , 21, 1226-32	6	10
108	Spatial heterogeneity of the relation between resting-state connectivity and blood flow: an important consideration for pharmacological studies. <i>Human Brain Mapping</i> , 2014 , 35, 929-42	5.9	21
107	Ghrelin mimics fasting to enhance human hedonic, orbitofrontal cortex, and hippocampal responses to food. <i>American Journal of Clinical Nutrition</i> , 2014 , 99, 1319-30	7	86
106	Dopamine-dependent architecture of cortico-subcortical network connectivity. <i>Cerebral Cortex</i> , 2013 , 23, 1509-16	5.1	130
105	Functional connectomics from resting-state fMRI. <i>Trends in Cognitive Sciences</i> , 2013 , 17, 666-82	14	560
104	Resting state FMRI research in child psychiatric disorders. <i>European Child and Adolescent Psychiatry</i> , 2013 , 22, 757-70	5.5	20
103	Distinct frontal networks are involved in adapting to internally and externally signaled errors. <i>Cerebral Cortex</i> , 2013 , 23, 703-13	5.1	20
102	Differential and distributed effects of dopamine neuromodulations on resting-state network connectivity. <i>NeuroImage</i> , 2013 , 78, 59-67	7.9	94

101	Resting-state fMRI in the Human Connectome Project. <i>NeuroImage</i> , 2013 , 80, 144-68	7.9	865
100	The impact of "physiological correction" on functional connectivity analysis of pharmacological resting state fMRI. <i>NeuroImage</i> , 2013 , 65, 499-510	7.9	54
99	Bayesian inference of structural brain networks. <i>NeuroImage</i> , 2013 , 66, 543-52	7.9	22
98	Functional segmentation of the hippocampus in the healthy human brain and in Alzheimer's disease. <i>NeuroImage</i> , 2013 , 66, 28-35	7.9	63
97	An Investigation of RSN Frequency Spectra Using Ultra-Fast Generalized Inverse Imaging. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 156	3.3	26
96	The Quest for EEG Power Band Correlation with ICA Derived fMRI Resting State Networks. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 315	3.3	14
95	ICA model order selection of task co-activation networks. <i>Frontiers in Neuroscience</i> , 2013 , 7, 237	5.1	95
94	Task-free functional MRI in cervical dystonia reveals multi-network changes that partially normalize with botulinum toxin. <i>PLoS ONE</i> , 2013 , 8, e62877	3.7	75
93	Resting-State-fMRT 2013 , 229-256		1
92	The contribution of the inferior parietal cortex to spoken language production. <i>Brain and Language</i> , 2012 , 121, 47-57	2.9	42
91	Temporally-independent functional modes of spontaneous brain activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3131-6	11.5	555
90	Structural substrates for resting network disruption in temporal lobe epilepsy. <i>Brain</i> , 2012 , 135, 2350-7	11.2	114
89	An anatomically comprehensive atlas of the adult human brain transcriptome. <i>Nature</i> , 2012 , 489, 391-399	10.4	1525
88	Identification and characterisation of midbrain nuclei using optimised functional magnetic resonance imaging. <i>NeuroImage</i> , 2012 , 59, 1230-8	7.9	36
87	FSL. <i>NeuroImage</i> , 2012 , 62, 782-90	7.9	5752
86	Age-related adaptations of brain function during a memory task are also present at rest. <i>NeuroImage</i> , 2012 , 59, 3821-8	7.9	31
85	Distinct functional networks within the cerebellum and their relation to cortical systems assessed with independent component analysis. <i>NeuroImage</i> , 2012 , 60, 2073-85	7.9	51
84	Modelling with independent components. <i>NeuroImage</i> , 2012 , 62, 891-901	7.9	163

83	Development of BOLD signal hemodynamic responses in the human brain. <i>NeuroImage</i> , 2012 , 63, 663-737.9	137
82	Changes in resting-state brain networks in writer's cramp. <i>Human Brain Mapping</i> , 2012 , 33, 840-8	5.9 50
81	Effects of morphine and alcohol on functional brain connectivity during "resting state": a placebo-controlled crossover study in healthy young men. <i>Human Brain Mapping</i> , 2012 , 33, 1003-18	5.9 89
80	Orbitofrontal connectivity with resting-state networks is associated with midbrain dopamine D3 receptor availability. <i>Cerebral Cortex</i> , 2012 , 22, 2784-93	5.1 54
79	A brain network processing the age of faces. <i>PLoS ONE</i> , 2012 , 7, e49451	3.7 10
78	Effects of repeatability measures on results of fMRI sICA: a study on simulated and real resting-state effects. <i>NeuroImage</i> , 2011 , 56, 554-69	7.9 23
77	Differential effects of the APOE genotype on brain function across the lifespan. <i>NeuroImage</i> , 2011 , 54, 602-10	7.9 149
76	Network modelling methods for FMRI. <i>NeuroImage</i> , 2011 , 54, 875-91	7.9 1254
75	Linked independent component analysis for multimodal data fusion. <i>NeuroImage</i> , 2011 , 54, 2198-217	7.9 210
74	Fractionating the default mode network: distinct contributions of the ventral and dorsal posterior cingulate cortex to cognitive control. <i>Journal of Neuroscience</i> , 2011 , 31, 3217-24	6.6 539
73	Spectral characteristics of resting state networks. <i>Progress in Brain Research</i> , 2011 , 193, 259-76	2.9 140
72	Behavioral interpretations of intrinsic connectivity networks. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 4022-37	3.1 769
71	2011 ,	6
70	The visual word form system in context. <i>Journal of Neuroscience</i> , 2011 , 31, 193-9	6.6 19
69	Default mode network connectivity predicts sustained attention deficits after traumatic brain injury. <i>Journal of Neuroscience</i> , 2011 , 31, 13442-51	6.6 326
68	Default mode network functional and structural connectivity after traumatic brain injury. <i>Brain</i> , 2011 , 134, 2233-47	11.2 320
67	Whole brain resting-state analysis reveals decreased functional connectivity in major depression. <i>Frontiers in Systems Neuroscience</i> , 2010 , 4,	3.5 341
66	POD02 Predicting brain atrophy at 1 year by baseline multimodal MRI data. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, e42-e42	5.5

65	Distinct and overlapping functional zones in the cerebellum defined by resting state functional connectivity. <i>Cerebral Cortex</i> , 2010 , 20, 953-65	5.1	528
64	Advances and pitfalls in the analysis and interpretation of resting-state fMRI data. <i>Frontiers in Systems Neuroscience</i> , 2010 , 4, 8	3.5	624
63	Inference of functional connectivity from structural brain connectivity 2010 ,		7
62	Emergence of resting state networks in the preterm human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20015-20	11.5	365
61	Distinct frontal systems for response inhibition, attentional capture, and error processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6106-11	11.5	401
60	Genetic control over the resting brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1223-8	11.5	362
59	PATH57 Altered structural and functional network connectivity predicts cognitive function after traumatic brain injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, e23-e23	5.5	2
58	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4734-9	11.5	2183
57	Nicotine replacement in abstinent smokers improves cognitive withdrawal symptoms with modulation of resting brain network dynamics. <i>NeuroImage</i> , 2010 , 52, 590-9	7.9	152
56	Somatosensory cortical activation identified by functional MRI in preterm and term infants. <i>NeuroImage</i> , 2010 , 49, 2063-71	7.9	90
55	Impact of working memory load on fMRI resting state pattern in subsequent resting phases. <i>PLoS ONE</i> , 2009 , 4, e7198	3.7	84
54	Distinct cerebellar contributions to intrinsic connectivity networks. <i>Journal of Neuroscience</i> , 2009 , 29, 8586-94	6.6	773
53	Regional white matter integrity differentiates between vascular dementia and Alzheimer disease. <i>Stroke</i> , 2009 , 40, 773-9	6.7	69
52	Background MR gradient noise and non-auditory BOLD activations: a data-driven perspective. <i>Brain Research</i> , 2009 , 1282, 74-83	3.7	6
51	Model-free group analysis shows altered BOLD fMRI networks in dementia. <i>Human Brain Mapping</i> , 2009 , 30, 256-66	5.9	107
50	Functional and structural changes in the memory network associated with left temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2009 , 30, 4070-81	5.9	62
49	Regional atrophy of transcallosal prefrontal connections in cognitively normal APOE epsilon4 carriers. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 1021-6	5.6	32
48	Correspondence of the brain's functional architecture during activation and rest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13040-5	11.5	3661

47	Distinct patterns of brain activity in young carriers of the APOE-epsilon4 allele. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7209-14	11.5	1286
46	Short-term adaptation to a simple motor task: a physiological process preserved in multiple sclerosis. <i>NeuroImage</i> , 2009 , 45, 500-11	7.9	33
45	P.2.b.015 Whole brain resting-state analysis reveals decreased connectivity in major depressive disorder. <i>European Neuropsychopharmacology</i> , 2009 , 19, S399-S400	1.2	
44	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , 2009 , 45, S173-86	7.9	1553
43	Statistical Analysis of fMRI Data. <i>NeuroMethods</i> , 2009 , 179-236	0.4	8
42	Relating functional changes during hand movement to clinical parameters in patients with multiple sclerosis in a multi-centre fMRI study. <i>European Journal of Neurology</i> , 2008 , 15, 113-22	6	61
41	Reduced resting-state brain activity in the "default network" in normal aging. <i>Cerebral Cortex</i> , 2008 , 18, 1856-64	5.1	885
40	Physiological noise modelling for spinal functional magnetic resonance imaging studies. <i>NeuroImage</i> , 2008 , 39, 680-92	7.9	158
39	Model-free characterization of brain functional networks for motor sequence learning using fMRI. <i>NeuroImage</i> , 2008 , 39, 1950-8	7.9	81
38	Bayesian deconvolution of [corrected] fMRI data using bilinear dynamical systems. <i>NeuroImage</i> , 2008 , 42, 1381-96	7.9	27
37	Reduction in cerebral atrophy associated with ethyl-eicosapentaenoic acid treatment in patients with Huntington's disease. <i>Journal of International Medical Research</i> , 2008 , 36, 896-905	1.4	26
36	Impairment of movement-associated brain deactivation in multiple sclerosis: further evidence for a functional pathology of interhemispheric neuronal inhibition. <i>Experimental Brain Research</i> , 2008 , 187, 25-31	2.3	46
35	A cross-modal system linking primary auditory and visual cortices: evidence from intrinsic fMRI connectivity analysis. <i>Human Brain Mapping</i> , 2008 , 29, 848-57	5.9	93
34	Meaningful design and contrast estimability in FMRI. <i>NeuroImage</i> , 2007 , 34, 127-36	7.9	50
33	Scanning for the scanner: FMRI of audition by read-out omissions from echo-planar imaging. <i>NeuroImage</i> , 2007 , 35, 234-43	7.9	7
32	Applying FSL to the FIAC data: model-based and model-free analysis of voice and sentence repetition priming. <i>Human Brain Mapping</i> , 2006 , 27, 380-91	5.9	51
31	Consistent resting-state networks across healthy subjects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13848-53	11.5	3210
30	fMRI resting state networks define distinct modes of long-distance interactions in the human brain. <i>NeuroImage</i> , 2006 , 29, 1359-67	7.9	980

29	Tensorial extensions of independent component analysis for multisubject fMRI analysis. <i>NeuroImage</i> , 2005 , 25, 294-311	7.9	604
28	Removal of fMRI environment artifacts from EEG data using optimal basis sets. <i>NeuroImage</i> , 2005 , 28, 720-37	7.9	412
27	Investigations into resting-state connectivity using independent component analysis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 1001-13	5.8	2523
26	Mixture models with adaptive spatial regularization for segmentation with an application to fMRI data. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 1-11	11.7	99
25	Variability in fMRI: a re-examination of inter-session differences. <i>Human Brain Mapping</i> , 2005 , 24, 248-57	5.9	140
24	Color of scents: chromatic stimuli modulate odor responses in the human brain. <i>Journal of Neurophysiology</i> , 2005 , 93, 3434-41	3.2	132
23	Probabilistic independent component analysis for functional magnetic resonance imaging. <i>IEEE Transactions on Medical Imaging</i> , 2004 , 23, 137-52	11.7	1879
22	Multilevel linear modelling for fMRI group analysis using Bayesian inference. <i>NeuroImage</i> , 2004 , 21, 1732-47	7.9	1171
21	Advances in functional and structural MR image analysis and implementation as FSL. <i>NeuroImage</i> , 2004 , 23 Suppl 1, S208-19	7.9	8876
20	Towards understanding language organisation in the brain using fMRI. <i>Human Brain Mapping</i> , 2003 , 18, 239-47	5.9	33
19	General multilevel linear modeling for group analysis in fMRI. <i>NeuroImage</i> , 2003 , 20, 1052-63	7.9	1127
18	Investigating the intrinsic dimensionality of fMRI data for ICA. <i>NeuroImage</i> , 2001 , 13, 76	7.9	21
17	Exacerbation of pain by anxiety is associated with activity in a hippocampal network. <i>Journal of Neuroscience</i> , 2001 , 21, 9896-903	6.6	576
16	Reduced fronto-striatal volume in ADHD in two cohorts across the lifespan		1
15	Multivariate associative patterns between the gut microbiota and large-scale brain network connectivity		1
14	A Non-Synonymous SHARPIN Variant is Associated with Limbic Degeneration and Family History of Alzheimer's Disease		1
13	Phenotype Discovery from Population Brain Imaging		2
12	Atypical brain asymmetry in autism is a candidate for clinically meaningful stratification		3

11	Replicating extensive brain structural heterogeneity in individuals with schizophrenia and bipolar disorder	3
10	Overlapping connectivity gradients in the anterior temporal lobe underlie semantic cognition	1
9	Dissecting the heterogeneous cortical anatomy of autism spectrum disorder using normative models	2
8	Plasticity versus stability across the human cortical visual connectome	1
7	Warped Bayesian Linear Regression for Normative Modelling of Big Data	4
6	Federated Multi-Site Normative Modeling using Hierarchical Bayesian Regression	5
5	Normative modeling of neuroimaging data using generalized additive models of location scale and shape	6
4	Non-linearity matters: a deep learning solution to generalization of hidden brain patterns across population cohorts	1
3	The Normative Modeling Framework for Computational Psychiatry	1
2	Supervised Phenotype Discovery from Multimodal Brain Imaging	1
1	Dissociating the functional roles of arcuate fasciculus subtracts in speech production. <i>Cerebral Cortex,</i>	5.1 1