

# Mark W Woolrich

## List of Publications by Year in descending order

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195  
papers

57,633  
citations

11608

70  
h-index

3094

187  
g-index

239  
all docs

239  
docs citations

239  
times ranked

37935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in functional and structural MR image analysis and implementation as FSL. <i>NeuroImage</i> , 2004, 23, S208-S219.	2.1	11,375
2	FSL. <i>NeuroImage</i> , 2012, 62, 782-790.	2.1	8,804
3	Probabilistic diffusion tractography with multiple fibre orientations: What can we gain?. <i>NeuroImage</i> , 2007, 34, 144-155.	2.1	3,129
4	Characterization and propagation of uncertainty in diffusion-weighted MR imaging. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1077-1088.	1.9	2,715
5	Temporal Autocorrelation in Univariate Linear Modeling of fMRI Data. <i>NeuroImage</i> , 2001, 14, 1370-1386.	2.1	2,480
6	Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging. <i>Nature Neuroscience</i> , 2003, 6, 750-757.	7.1	2,131
7	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , 2009, 45, S173-S186.	2.1	2,074
8	Learning the value of information in an uncertain world. <i>Nature Neuroscience</i> , 2007, 10, 1214-1221.	7.1	1,650
9	Network modelling methods for fMRI. <i>NeuroImage</i> , 2011, 54, 875-891.	2.1	1,588
10	Multilevel linear modelling for fMRI group analysis using Bayesian inference. <i>NeuroImage</i> , 2004, 21, 1732-1747.	2.1	1,476
11	Resting-state fMRI in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 144-168.	2.1	1,367
12	Investigating the electrophysiological basis of resting state networks using magnetoencephalography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16783-16788.	3.3	847
13	Associative learning of social value. <i>Nature</i> , 2008, 456, 245-249.	13.7	825
14	Functional connectomics from resting-state fMRI. <i>Trends in Cognitive Sciences</i> , 2013, 17, 666-682.	4.0	802
15	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, 3131-3136.	3.3	696
16	Tools of the trade: psychophysiological interactions and functional connectivity. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 604-609.	1.5	676
17	Brain network dynamics are hierarchically organized in time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12827-12832.	3.3	595
18	How Green Is the Grass on the Other Side? Frontopolar Cortex and the Evidence in Favor of Alternative Courses of Action. <i>Neuron</i> , 2009, 62, 733-743.	3.8	578

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19	Fast transient networks in spontaneous human brain activity. <i>ELife</i> , 2014, 3, e01867.	2.8	467
20	Robust group analysis using outlier inference. <i>NeuroImage</i> , 2008, 41, 286-301.	2.1	451
21	Mechanisms underlying cortical activity during value-guided choice. <i>Nature Neuroscience</i> , 2012, 15, 470-476.	7.1	394
22	A symmetric multivariate leakage correction for MEG connectomes. <i>NeuroImage</i> , 2015, 117, 439-448.	2.1	383
23	How reliable are MEG resting-state connectivity metrics?. <i>NeuroImage</i> , 2016, 138, 284-293.	2.1	353
24	Variational Bayesian Inference for a Nonlinear Forward Model. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 223-236.	3.2	333
25	Measuring functional connectivity in MEG: A multivariate approach insensitive to linear source leakage. <i>NeuroImage</i> , 2012, 63, 910-920.	2.1	333
26	Relationship between physiological measures of excitability and levels of glutamate and GABA in the human motor cortex. <i>Journal of Physiology</i> , 2011, 589, 5845-5855.	1.3	324
27	Linked independent component analysis for multimodal data fusion. <i>NeuroImage</i> , 2011, 54, 2198-2217.	2.1	302
28	Spectrally resolved fast transient brain states in electrophysiological data. <i>NeuroImage</i> , 2016, 126, 81-95.	2.1	301
29	Exploring mechanisms of spontaneous functional connectivity in MEG: How delayed network interactions lead to structured amplitude envelopes of band-pass filtered oscillations. <i>NeuroImage</i> , 2014, 90, 423-435.	2.1	287
30	Spontaneous cortical activity transiently organises into frequency specific phase-coupling networks. <i>Nature Communications</i> , 2018, 9, 2987.	5.8	270
31	Discovering dynamic brain networks from big data in rest and task. <i>NeuroImage</i> , 2018, 180, 646-656.	2.1	253
32	A Bayesian framework for global tractography. <i>NeuroImage</i> , 2007, 37, 116-129.	2.1	243
33	Constrained linear basis sets for HRF modelling using Variational Bayes. <i>NeuroImage</i> , 2004, 21, 1748-1761.	2.1	237
34	Fully Bayesian Spatio-Temporal Modeling of fMRI Data. <i>IEEE Transactions on Medical Imaging</i> , 2004, 23, 213-231.	5.4	218
35	Adding dynamics to the Human Connectome Project with MEG. <i>NeuroImage</i> , 2013, 80, 190-201.	2.1	189
36	The relationship between spatial configuration and functional connectivity of brain regions. <i>ELife</i> , 2018, 7, .	2.8	184

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37	Dynamics of large-scale electrophysiological networks: A technical review. <i>NeuroImage</i> , 2018, 180, 559-576.	2.1	174
38	Functional brain reorganization for hand movement in patients with multiple sclerosis: defining distinct effects of injury and disability. <i>Brain</i> , 2002, 125, 2646-2657.	3.7	173
39	Metastable brain waves. <i>Nature Communications</i> , 2019, 10, 1056.	5.8	170
40	Optimising network modelling methods for fMRI. <i>NeuroImage</i> , 2020, 211, 116604.	2.1	166
41	Single or multiple frequency generators in on-going brain activity: A mechanistic whole-brain model of empirical MEG data. <i>NeuroImage</i> , 2017, 152, 538-550.	2.1	165
42	Variability in fMRI: A re-examination of inter-session differences. <i>Human Brain Mapping</i> , 2005, 24, 248-257.	1.9	162
43	Local GABA concentration is related to network-level resting functional connectivity. <i>ELife</i> , 2014, 3, e01465.	2.8	157
44	Modulation of movement-associated cortical activation by transcranial direct current stimulation. <i>European Journal of Neuroscience</i> , 2009, 30, 1412-1423.	1.2	156
45	Frontoparietal and Cingulo-opercular Networks Play Dissociable Roles in Control of Working Memory. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 2019-2034.	1.1	156
46	Discovery of key whole-brain transitions and dynamics during human wakefulness and non-REM sleep. <i>Nature Communications</i> , 2019, 10, 1035.	5.8	148
47	Attention to touch modulates activity in both primary and secondary somatosensory areas. <i>NeuroReport</i> , 2000, 11, 1237-1241.	0.6	147
48	Knowing When to Stop: The Brain Mechanisms of Chasing Losses. <i>Biological Psychiatry</i> , 2008, 63, 293-300.	0.7	146
49	Neural Oscillations: Sustained Rhythms or Transient Burst-Events?. <i>Trends in Neurosciences</i> , 2018, 41, 415-417.	4.2	142
50	Benefits of multi-modal fusion analysis on a large-scale dataset: Life-span patterns of inter-subject variability in cortical morphometry and white matter microstructure. <i>NeuroImage</i> , 2012, 63, 365-380.	2.1	137
51	Task-Evoked Dynamic Network Analysis Through Hidden Markov Modeling. <i>Frontiers in Neuroscience</i> , 2018, 12, 603.	1.4	137
52	MEG beamforming using Bayesian PCA for adaptive data covariance matrix regularization. <i>NeuroImage</i> , 2011, 57, 1466-1479.	2.1	134
53	Partial volume correction of multiple inversion time arterial spin labeling MRI data. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1173-1183.	1.9	133
54	Measuring temporal, spectral and spatial changes in electrophysiological brain network connectivity. <i>NeuroImage</i> , 2014, 91, 282-299.	2.1	130

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55	Mixture models with adaptive spatial regularization for segmentation with an application to FMRI data. IEEE Transactions on Medical Imaging, 2005, 24, 1-11.	5.4	126
56	Inferring task-related networks using independent component analysis in magnetoencephalography. NeuroImage, 2012, 62, 530-541.	2.1	115
57	Testing sensory evidence against mnemonic templates. ELife, 2015, 4, e09000.	2.8	112
58	Cognitive Training Enhances Intrinsic Brain Connectivity in Childhood. Journal of Neuroscience, 2015, 35, 6277-6283.	1.7	111
59	Measurement of dynamic task related functional networks using MEG. NeuroImage, 2017, 146, 667-678.	2.1	110
60	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. Magnetic Resonance in Medicine, 2010, 63, 641-647.	1.9	109
61	The heritability of multi-modal connectivity in human brain activity. ELife, 2017, 6, .	2.8	107
62	Integrating cross-frequency and within band functional networks in resting-state MEG: A multi-layer network approach. NeuroImage, 2016, 142, 324-336.	2.1	104
63	Separation of macrovascular signal in multi-inversion time arterial spin labelling MRI. Magnetic Resonance in Medicine, 2010, 63, 1357-1365.	1.9	101
64	Challenges and future directions for representations of functional brain organization. Nature Neuroscience, 2020, 23, 1484-1495.	7.1	99
65	Large-scale Probabilistic Functional Modes from resting state fMRI. NeuroImage, 2015, 109, 217-231.	2.1	98
66	Combined spatial and non-spatial prior for inference on MRI time-series. NeuroImage, 2009, 45, 795-809.	2.1	97
67	A tool for functional brain imaging with lifespan compliance. Nature Communications, 2019, 10, 4785.	5.8	96
68	Dynamic recruitment of resting state sub-networks. NeuroImage, 2015, 115, 85-95.	2.1	93
69	Replay bursts in humans coincide with activation of the default mode and parietal alpha networks. Neuron, 2021, 109, 882-893.e7.	3.8	92
70	Investigations into within- and between-subject resting-state amplitude variations. NeuroImage, 2017, 159, 57-69.	2.1	90
71	Multiple-subjects connectivity-based parcellation using hierarchical Dirichlet process mixture models. NeuroImage, 2009, 44, 373-384.	2.1	85
72	Tracking dynamic brain networks using high temporal resolution MEG measures of functional connectivity. NeuroImage, 2019, 200, 38-50.	2.1	83

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73	Learning to identify CNS drug action and efficacy using multistudy fMRI data. <i>Science Translational Medicine</i> , 2015, 7, 274ra16.	5.8	82
74	Evidence for a vascular contribution to diffusion FMRI at high $b$ value. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20967-20972.	3.3	81
75	Biophysical network models and the human connectome. <i>NeuroImage</i> , 2013, 80, 330-338.	2.1	78
76	Variational bayes inference of spatial mixture models for segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2006, 25, 1380-1391.	5.4	74
77	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. <i>PLoS Computational Biology</i> , 2018, 14, e1006007.	1.5	73
78	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, 380-391.	1.9	69
79	EMD: Empirical Mode Decomposition and Hilbert-Huang Spectral Analyses in Python. <i>Journal of Open Source Software</i> , 2021, 6, 2977.	2.0	66
80	Dynamic state allocation for MEG source reconstruction. <i>NeuroImage</i> , 2013, 77, 77-92.	2.1	64
81	The relationship between spatial configuration and functional connectivity of brain regions revisited. <i>ELife</i> , 2019, 8, .	2.8	64
82	Meaningful design and contrast estimability in FMRI. <i>NeuroImage</i> , 2007, 34, 127-136.	2.1	60
83	Altered temporal stability in dynamic neural networks underlies connectivity changes in neurodevelopment. <i>NeuroImage</i> , 2018, 174, 563-575.	2.1	60
84	The role of transient spectral $\beta$ -bursts <sup>TM</sup> in functional connectivity: A magnetoencephalography study. <i>NeuroImage</i> , 2020, 209, 116537.	2.1	60
85	Probabilistic inference of regularisation in non-rigid registration. <i>NeuroImage</i> , 2012, 59, 2438-2451.	2.1	59
86	Altered cortical $\beta$ -band oscillations reflect motor system degeneration in amyotrophic lateral sclerosis. <i>Human Brain Mapping</i> , 2017, 38, 237-254.	1.9	58
87	Task induced modulation of neural oscillations in electrophysiological brain networks. <i>NeuroImage</i> , 2012, 63, 1918-1930.	2.1	57
88	Magnetoencephalography. <i>Practical Neurology</i> , 2014, 14, 336-343.	0.5	57
89	Disambiguating brain functional connectivity. <i>NeuroImage</i> , 2018, 173, 540-550.	2.1	57
90	The danger of systematic bias in group-level FMRI-lag-based causality estimation. <i>NeuroImage</i> , 2012, 59, 1228-1229.	2.1	54

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91	Guiding functional connectivity estimation by structural connectivity in MEG: an application to discrimination of conditions of mild cognitive impairment. <i>NeuroImage</i> , 2014, 101, 765-777.	2.1	54
92	Motor Practice Promotes Increased Activity in Brain Regions Structurally Disconnected After Subcortical Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 607-616.	1.4	52
93	Behavioural relevance of spontaneous, transient brain network interactions in fMRI. <i>NeuroImage</i> , 2021, 229, 117713.	2.1	51
94	Automated single-trial measurement of amplitude and latency of laser-evoked potentials (LEPs) using multiple linear regression. <i>Clinical Neurophysiology</i> , 2006, 117, 1331-1344.	0.7	50
95	Using variance information in magnetoencephalography measures of functional connectivity. <i>NeuroImage</i> , 2013, 67, 203-212.	2.1	50
96	How delays matter in an oscillatory whole-brain spiking-neuron network model for MEG alpha-rhythms at rest. <i>NeuroImage</i> , 2014, 87, 383-394.	2.1	50
97	Bayesian inference in FMRI. <i>NeuroImage</i> , 2012, 62, 801-810.	2.1	49
98	Trial-Type Dependent Frames of Reference for Value Comparison. <i>PLoS Computational Biology</i> , 2013, 9, e1003225.	1.5	48
99	Unpacking Transient Event Dynamics in Electrophysiological Power Spectra. <i>Brain Topography</i> , 2019, 32, 1020-1034.	0.8	48
100	Temporally Unconstrained Decoding Reveals Consistent but Time-Varying Stages of Stimulus Processing. <i>Cerebral Cortex</i> , 2019, 29, 863-874.	1.6	46
101	Minor structural abnormalities in the infant face disrupt neural processing: A unique window into early caregiving responses. <i>Social Neuroscience</i> , 2013, 8, 268-274.	0.7	45
102	Modulation of hippocampal theta and hippocampalâ€prefrontal cortex function by a schizophrenia risk gene. <i>Human Brain Mapping</i> , 2015, 36, 2387-2395.	1.9	44
103	Role of white-matter pathways in coordinating alpha oscillations in resting visual cortex. <i>NeuroImage</i> , 2015, 106, 328-339.	2.1	44
104	A dynamic system of brain networks revealed by fast transient EEG fluctuations and their fMRI correlates. <i>NeuroImage</i> , 2019, 185, 72-82.	2.1	44
105	The psychological correlates of distinct neural states occurring during wakeful rest. <i>Scientific Reports</i> , 2020, 10, 21121.	1.6	44
106	Vesselâ€encoded dynamic magnetic resonance angiography using arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 698-706.	1.9	43
107	Intrusive memories to traumatic footage: the neural basis of their encoding and involuntary recall. <i>Psychological Medicine</i> , 2016, 46, 505-518.	2.7	43
108	Using generative models to make probabilistic statements about hippocampal engagement in MEG. <i>NeuroImage</i> , 2017, 149, 468-482.	2.1	42

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109	Subthalamic nucleus activity dynamics and limb movement prediction in Parkinson's disease. <i>Brain</i> , 2020, 143, 582-596.	3.7	42
110	Altered transient brain dynamics in multiple sclerosis: Treatment or pathology?. <i>Human Brain Mapping</i> , 2019, 40, 4789-4800.	1.9	41
111	Bayesian inference of hemodynamic changes in functional arterial spin labeling data. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 891-906.	1.9	39
112	Modeling dispersion in arterial spin labeling: Validation using dynamic angiographic measurements. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 563-570.	1.9	39
113	Training Working Memory in Childhood Enhances Coupling between Frontoparietal Control Network and Task-Related Regions. <i>Journal of Neuroscience</i> , 2016, 36, 9001-9011.	1.7	36
114	Evidence for a Caregiving Instinct: Rapid Differentiation of Infant from Adult Vocalizations Using Magnetoencephalography. <i>Cerebral Cortex</i> , 2016, 26, 1309-1321.	1.6	36
115	Impaired corticomuscular and interhemispheric cortical beta oscillation coupling in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2018, 129, 1479-1489.	0.7	36
116	Bayesian deconvolution fMRI data using bilinear dynamical systems. <i>NeuroImage</i> , 2008, 42, 1381-1396.	2.1	34
117	A general framework for the analysis of vessel encoded arterial spin labeling for vascular territory mapping. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1529-1539.	1.9	34
118	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. <i>NeuroImage</i> , 2012, 60, 189-203.	2.1	34
119	Tau pathology in early Alzheimer's disease is linked to selective disruptions in neurophysiological network dynamics. <i>Neurobiology of Aging</i> , 2020, 92, 141-152.	1.5	34
120	RubiX: Combining Spatial Resolutions for Bayesian Inference of Crossing Fibers in Diffusion MRI. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 969-982.	5.4	32
121	Short timescale abnormalities in the states of spontaneous synchrony in the functional neural networks in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2018, 20, 128-152.	1.4	32
122	Spatial parcellations, spectral filtering, and connectivity measures in fMRI: Optimizing for discrimination. <i>Human Brain Mapping</i> , 2019, 40, 407-419.	1.9	32
123	Preparatory $\beta$ -band oscillations reflect spatial gating independently of predictions regarding target identity. <i>Journal of Neurophysiology</i> , 2017, 117, 1385-1394.	0.9	31
124	Distinct criticality of phase and amplitude dynamics in the resting brain. <i>NeuroImage</i> , 2018, 180, 442-447.	2.1	30
125	Spatiotemporal and spectral dynamics of multi-item working memory as revealed by the n-back task using MEG. <i>Human Brain Mapping</i> , 2020, 41, 2431-2446.	1.9	30
126	Using Gaussian-Process Regression for Meta-Analytic Neuroimaging Inference Based on Sparse Observations. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1401-1416.	5.4	29



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127	Brain dysconnectivity relates to disability and cognitive impairment in multiple sclerosis. <i>Human Brain Mapping</i> , 2021, 42, 626-643.	1.9	29
128	First steps in using machine learning on fMRI data to predict intrusive memories of traumatic film footage. <i>Behaviour Research and Therapy</i> , 2014, 62, 37-46.	1.6	28
129	Modelling subject variability in the spatial and temporal characteristics of functional modes. <i>NeuroImage</i> , 2020, 222, 117226.	2.1	28
130	The Neural Dynamics of Fronto-Parietal Networks in Childhood Revealed using Magnetoencephalography. <i>Cerebral Cortex</i> , 2015, 25, 3868-3876.	1.6	27
131	Electrophysiological measures of resting state functional connectivity and their relationship with working memory capacity in childhood. <i>Developmental Science</i> , 2016, 19, 19-31.	1.3	27
132	Increased cerebral functional connectivity in ALS. <i>Neurology</i> , 2018, 90, e1418-e1424.	1.5	26
133	Do the posterior midline cortices belong to the electrophysiological default-mode network?. <i>NeuroImage</i> , 2019, 200, 221-230.	2.1	26
134	A fast analysis method for non-invasive imaging of blood flow in individual cerebral arteries using vessel-encoded arterial spin labelling angiography. <i>Medical Image Analysis</i> , 2012, 16, 831-839.	7.0	25
135	Dissecting beta-state changes during timed movement preparation in Parkinson's disease. <i>Progress in Neurobiology</i> , 2020, 184, 101731.	2.8	25
136	Balance between competing spectral states in subthalamic nucleus is linked to motor impairment in Parkinson's disease. <i>Brain</i> , 2022, 145, 237-250.	3.7	25
137	Biomagnetic biomarkers for dementia: A pilot multicentre study with a recommended methodological framework for magnetoencephalography. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 450-462.	1.2	24
138	How Sensitive Are Conventional MEG Functional Connectivity Metrics With Sliding Windows to Detect Genuine Fluctuations in Dynamic Functional Connectivity?. <i>Frontiers in Neuroscience</i> , 2019, 13, 797.	1.4	24
139	Within-cycle instantaneous frequency profiles report oscillatory waveform dynamics. <i>Journal of Neurophysiology</i> , 2021, 126, 1190-1208.	0.9	24
140	Directed functional connectivity using dynamic graphical models. <i>NeuroImage</i> , 2018, 175, 340-353.	2.1	23
141	Functional network dynamics in a neurodevelopmental disorder of known genetic origin. <i>Human Brain Mapping</i> , 2020, 41, 530-544.	1.9	23
142	Longitudinal Brain MRI Analysis with Uncertain Registration. <i>Lecture Notes in Computer Science</i> , 2011, 14, 647-654.	1.0	23
143	Probabilistic non-linear registration with spatially adaptive regularisation. <i>Medical Image Analysis</i> , 2015, 26, 203-216.	7.0	22
144	Temporally delayed linear modelling (TDLM) measures replay in both animals and humans. <i>ELife</i> , 2021, 10, .	2.8	22

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145	Ensemble Learning Incorporating Uncertain Registration. IEEE Transactions on Medical Imaging, 2013, 32, 748-756.	5.4	19
146	Multi-session statistics on beamformed MEG data. NeuroImage, 2014, 95, 330-335.	2.1	19
147	Multi-subject hierarchical inverse covariance modelling improves estimation of functional brain networks. NeuroImage, 2018, 178, 370-384.	2.1	19
148	Vessel-encoded dynamic magnetic resonance angiography using arterial spin labeling. Magnetic Resonance in Medicine, 2010, 64, 430-438.	1.9	18
149	Serotonin and Social Norms. Psychological Science, 2014, 25, 1303-1313.	1.8	18
150	Non-Gaussian probabilistic MEG source localisation based on kernel density estimation. NeuroImage, 2014, 87, 444-464.	2.1	18
151	Comparing model-based and model-free analysis methods for QUASAR arterial spin labeling perfusion quantification. Magnetic Resonance in Medicine, 2013, 69, 1466-1475.	1.9	17
152	Spontaneous network activity <math>\leq 35\text{ Hz}</math> accounts for variability in stimulus-induced gamma responses. NeuroImage, 2020, 207, 116374.	2.1	17
153	Modulation of alpha power at encoding and retrieval tracks the precision of visual short-term memory. Journal of Neurophysiology, 2014, 112, 2939-2945.	0.9	16
154	Bayesian Optimisation of Large-Scale Biophysical Networks. NeuroImage, 2018, 174, 219-236.	2.1	16
155	Stable between-subject statistical inference from unstable within-subject functional connectivity estimates. Human Brain Mapping, 2019, 40, 1234-1243.	1.9	16
156	Post-stimulus beta responses are modulated by task duration. NeuroImage, 2020, 206, 116288.	2.1	15
157	Transient spectral events in resting state MEG predict individual task responses. NeuroImage, 2020, 215, 116818.	2.1	14
158	The role of hippocampal theta oscillations in working memory impairment in multiple sclerosis. Human Brain Mapping, 2021, 42, 1376-1390.	1.9	14
159	Transient beta activity and cortico-muscular connectivity during sustained motor behaviour. Progress in Neurobiology, 2022, 214, 102281.	2.8	14
160	An Introduction to MEG Connectivity Measurements. , 2014, , 321-358.		12
161	Automatic decomposition of electrophysiological data into distinct nonsinusoidal oscillatory modes. Journal of Neurophysiology, 2021, 126, 1670-1684.	0.9	12
162	Adapting non-invasive human recordings along multiple task-axes shows unfolding of spontaneous and over-trained choice. ELife, 2021, 10, .	2.8	11

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163	A Bayesian Approach for Spatially Adaptive Regularisation in Non-rigid Registration. Lecture Notes in Computer Science, 2013, 16, 10-18.	1.0	11
164	Revealing the Dynamic Nature of Amplitude Modulated Neural Entrainment With Holo-Hilbert Spectral Analysis. Frontiers in Neuroscience, 2021, 15, 673369.	1.4	10
165	Localization of MEG human brain responses to retinotopic visual stimuli with contrasting source reconstruction approaches. Frontiers in Neuroscience, 2014, 8, 127.	1.4	10
166	Multi-dynamic modelling reveals strongly time-varying resting fMRI correlations. Medical Image Analysis, 2022, 77, 102366.	7.0	10
167	Decoding Movement States in Stepping Cycles Based on Subthalamic LFPs in Parkinsonian Patients. , 2018, 2018, 1384-1387.		9
168	Mild traumatic brain injury impairs the coordination of intrinsic and motor-related neural dynamics. NeuroImage: Clinical, 2021, 32, 102841.	1.4	9
169	Statistical Analysis of fMRI Data. Neuromethods, 2009, , 179-236.	0.2	9
170	Optimising beamformer regions of interest analysis. NeuroImage, 2014, 102, 945-954.	2.1	8
171	Hierarchical modelling of functional brain networks in population and individuals from big fMRI data. NeuroImage, 2021, 243, 118513.	2.1	8
172	Data and model considerations for estimating time-varying functional connectivity in fMRI. NeuroImage, 2022, 252, 119026.	2.1	8
173	Non-linear Parameter Estimates from Non-stationary MEG Data. Frontiers in Neuroscience, 2016, 10, 366.	1.4	7
174	Dynamic analysis on simultaneous iEEG-MEG data via hidden Markov model. NeuroImage, 2021, 233, 117923.	2.1	7
175	Fusion of Magnetometer and Gradiometer Sensors of MEG in the Presence of Multiplicative Error. IEEE Transactions on Biomedical Engineering, 2012, 59, 1951-1961.	2.5	6
176	Increased brain atrophy and lesion load is associated with stronger lower alpha MEG power in multiple sclerosis patients. NeuroImage: Clinical, 2021, 30, 102632.	1.4	6
177	Dissociable Components of Information Encoding in Human Perception. Cerebral Cortex, 2021, 31, 5664-5675.	1.6	6
178	Spatiotemporally resolved multivariate pattern analysis for M/EEG. Human Brain Mapping, 2022, 43, 3062-3085.	1.9	6
179	Effective psychological therapy for PTSD changes the dynamics of specific large-scale brain networks. Human Brain Mapping, 2022, 43, 3207-3220.	1.9	6
180	Mapping and interpreting the dynamic connectivity of the brain. NeuroImage, 2018, 180, 335-336.	2.1	5

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181	Utility of Partial Correlation for Characterising Brain Dynamics: MVPA-based Assessment of Regularisation and Network Selection. , 2013, , .		4
182	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD. , 2014, , .		3
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