

Mark W Woolrich

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Multi-dynamic modelling reveals strongly time-varying resting fMRI correlations. <i>Medical Image Analysis</i> , 2022, 77, 102366.	7.0	10
3	Brainwave viscosity in propofol anaesthesia. <i>British Journal of Anaesthesia</i> , 2022, 128, e61-e62.	1.5	0
4	Spatiotemporally resolved multivariate pattern analysis for M/EEG. <i>Human Brain Mapping</i> , 2022, 43, 3062-3085.	1.9	6
5	Effective psychological therapy for PTSD changes the dynamics of specific large-scale brain networks. <i>Human Brain Mapping</i> , 2022, 43, 3207-3220.	1.9	6
6	Data and model considerations for estimating time-varying functional connectivity in fMRI. <i>NeuroImage</i> , 2022, 252, 119026.	2.1	8
7	Transient beta activity and cortico-muscular connectivity during sustained motor behaviour. <i>Progress in Neurobiology</i> , 2022, 214, 102281.	2.8	14
8	The role of hippocampal theta oscillations in working memory impairment in multiple sclerosis. <i>Human Brain Mapping</i> , 2021, 42, 1376-1390.	1.9	14
9	Brain dysconnectivity relates to disability and cognitive impairment in multiple sclerosis. <i>Human Brain Mapping</i> , 2021, 42, 626-643.	1.9	29
10	Replay bursts in humans coincide with activation of the default mode and parietal alpha networks. <i>Neuron</i> , 2021, 109, 882-893.e7.	3.8	92
11	Increased brain atrophy and lesion load is associated with stronger lower alpha MEG power in multiple sclerosis patients. <i>NeuroImage: Clinical</i> , 2021, 30, 102632.	1.4	6
12	EMD: Empirical Mode Decomposition and Hilbert-Huang Spectral Analyses in Python. <i>Journal of Open Source Software</i> , 2021, 6, 2977.	2.0	66
13	Behavioural relevance of spontaneous, transient brain network interactions in fMRI. <i>NeuroImage</i> , 2021, 229, 117713.	2.1	51
14	Adapting non-invasive human recordings along multiple task-axes shows unfolding of spontaneous and over-trained choice. <i>ELife</i> , 2021, 10, .	2.8	11
15	Dynamic analysis on simultaneous iEEG-MEG data via hidden Markov model. <i>NeuroImage</i> , 2021, 233, 117923.	2.1	7
16	Temporally delayed linear modelling (TDLM) measures replay in both animals and humans. <i>ELife</i> , 2021, 10, .	2.8	22
17	Revealing the Dynamic Nature of Amplitude Modulated Neural Entrainment With Holo-Hilbert Spectral Analysis. <i>Frontiers in Neuroscience</i> , 2021, 15, 673369.	1.4	10
18	Within-cycle instantaneous frequency profiles report oscillatory waveform dynamics. <i>Journal of Neurophysiology</i> , 2021, 126, 1190-1208.	0.9	24

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19	Mild traumatic brain injury impairs the coordination of intrinsic and motor-related neural dynamics. <i>NeuroImage: Clinical</i> , 2021, 32, 102841.	1.4	9
20	Hierarchical modelling of functional brain networks in population and individuals from big fMRI data. <i>NeuroImage</i> , 2021, 243, 118513.	2.1	8
21	Dissociable Components of Information Encoding in Human Perception. <i>Cerebral Cortex</i> , 2021, 31, 5664-5675.	1.6	6
22	Automatic decomposition of electrophysiological data into distinct nonsinusoidal oscillatory modes. <i>Journal of Neurophysiology</i> , 2021, 126, 1670-1684.	0.9	12
23	Functional network dynamics in a neurodevelopmental disorder of known genetic origin. <i>Human Brain Mapping</i> , 2020, 41, 530-544.	1.9	23
24	Spontaneous network activity $\leq 35\text{ Hz}$ accounts for variability in stimulus-induced gamma responses. <i>NeuroImage</i> , 2020, 207, 116374.	2.1	17
25	Post-stimulus beta responses are modulated by task duration. <i>NeuroImage</i> , 2020, 206, 116288.	2.1	15
26	Dissecting beta-state changes during timed movement preparation in Parkinson's disease. <i>Progress in Neurobiology</i> , 2020, 184, 101731.	2.8	25
27	Modelling subject variability in the spatial and temporal characteristics of functional modes. <i>NeuroImage</i> , 2020, 222, 117226.	2.1	28
28	Challenges and future directions for representations of functional brain organization. <i>Nature Neuroscience</i> , 2020, 23, 1484-1495.	7.1	99
29	The psychological correlates of distinct neural states occurring during wakeful rest. <i>Scientific Reports</i> , 2020, 10, 21121.	1.6	44
30	Advanced Data-Driven Analysis Methods for Successful Mapping of Brain-Symptom Associations From Heterogeneous Datasets. <i>Biological Psychiatry</i> , 2020, 87, S12-S13.	0.7	0
31	Transient spectral events in resting state MEG predict individual task responses. <i>NeuroImage</i> , 2020, 215, 116818.	2.1	14
32	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
33	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
34	The role of transient spectral "bursts" in functional connectivity: A magnetoencephalography study. <i>NeuroImage</i> , 2020, 209, 116537.	2.1	60
35	Optimising network modelling methods for fMRI. <i>NeuroImage</i> , 2020, 211, 116604.	2.1	166
36	Subthalamic nucleus activity dynamics and limb movement prediction in Parkinson's disease. <i>Brain</i> , 2020, 143, 582-596.	3.7	42

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37	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
38	Altered transient brain dynamics in multiple sclerosis: Treatment or pathology?. <i>Human Brain Mapping</i> , 2019, 40, 4789-4800.	1.9	41
39	A tool for functional brain imaging with lifespan compliance. <i>Nature Communications</i> , 2019, 10, 4785.	5.8	96
40	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
41	Do the posterior midline cortices belong to the electrophysiological default-mode network?. <i>NeuroImage</i> , 2019, 200, 221-230.	2.1	26
42	Tracking dynamic brain networks using high temporal resolution MEG measures of functional connectivity. <i>NeuroImage</i> , 2019, 200, 38-50.	2.1	83
43	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
44	Metastable brain waves. <i>Nature Communications</i> , 2019, 10, 1056.	5.8	170
45	Unpacking Transient Event Dynamics in Electrophysiological Power Spectra. <i>Brain Topography</i> , 2019, 32, 1020-1034.	0.8	48
46	Stable between-subject statistical inference from unstable within-subject functional connectivity estimates. <i>Human Brain Mapping</i> , 2019, 40, 1234-1243.	1.9	16
47	Temporally Unconstrained Decoding Reveals Consistent but Time-Varying Stages of Stimulus Processing. <i>Cerebral Cortex</i> , 2019, 29, 863-874.	1.6	46
48	Spatial parcellations, spectral filtering, and connectivity measures in fMRI: Optimizing for discrimination. <i>Human Brain Mapping</i> , 2019, 40, 407-419.	1.9	32
49	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
50	The relationship between spatial configuration and functional connectivity of brain regions revisited. <i>ELife</i> , 2019, 8, .	2.8	64
51	An Introduction to MEG Connectivity Measurements. , 2019, , 433-470.		0
52	An Introduction to MEG Connectivity Measurements. , 2019, , 1-38.		0
53	Disambiguating brain functional connectivity. <i>NeuroImage</i> , 2018, 173, 540-550.	2.1	57
54	Bayesian Optimisation of Large-Scale Biophysical Networks. <i>NeuroImage</i> , 2018, 174, 219-236.	2.1	16

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55	Increased cerebral functional connectivity in ALS. <i>Neurology</i> , 2018, 90, e1418-e1424.	1.5	26
56	Directed functional connectivity using dynamic graphical models. <i>NeuroImage</i> , 2018, 175, 340-353.	2.1	23
57	Impaired corticomuscular and interhemispheric cortical beta oscillation coupling in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2018, 129, 1479-1489.	0.7	36
58	Altered temporal stability in dynamic neural networks underlies connectivity changes in neurodevelopment. <i>NeuroImage</i> , 2018, 174, 563-575.	2.1	60
59	Distinct criticality of phase and amplitude dynamics in the resting brain. <i>NeuroImage</i> , 2018, 180, 442-447.	2.1	30
60	Discovering dynamic brain networks from big data in rest and task. <i>NeuroImage</i> , 2018, 180, 646-656.	2.1	253
61	Dynamics of large-scale electrophysiological networks: A technical review. <i>NeuroImage</i> , 2018, 180, 559-576.	2.1	174
62	Decoding Movement States in Stepping Cycles Based on Subthalamic LFPs in Parkinsonian Patients. , 2018, 2018, 1384-1387.		9
63	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
64	The relationship between spatial configuration and functional connectivity of brain regions. <i>ELife</i> , 2018, 7, .	2.8	184
65	Mapping and interpreting the dynamic connectivity of the brain. <i>NeuroImage</i> , 2018, 180, 335-336.	2.1	5
66	Spontaneous cortical activity transiently organises into frequency specific phase-coupling networks. <i>Nature Communications</i> , 2018, 9, 2987.	5.8	270
67	Neural Oscillations: Sustained Rhythms or Transient Burst-Events?. <i>Trends in Neurosciences</i> , 2018, 41, 415-417.	4.2	142
68	Multi-subject hierarchical inverse covariance modelling improves estimation of functional brain networks. <i>NeuroImage</i> , 2018, 178, 370-384.	2.1	19
69	Task-Evoked Dynamic Network Analysis Through Hidden Markov Modeling. <i>Frontiers in Neuroscience</i> , 2018, 12, 603.	1.4	137
70	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
71	Using generative models to make probabilistic statements about hippocampal engagement in MEG. <i>NeuroImage</i> , 2017, 149, 468-482.	2.1	42
72	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

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73	Brain network dynamics are hierarchically organized in time. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12827-12832.	3.3	595
74	Investigations into within- and between-subject resting-state amplitude variations. NeuroImage, 2017, 159, 57-69.	2.1	90
75	Preparatory β -band oscillations reflect spatial gating independently of predictions regarding target identity. Journal of Neurophysiology, 2017, 117, 1385-1394.	0.9	31
76	Altered cortical β -band oscillations reflect motor system degeneration in amyotrophic lateral sclerosis. Human Brain Mapping, 2017, 38, 237-254.	1.9	58
77	Measurement of dynamic task related functional networks using MEG. NeuroImage, 2017, 146, 667-678.	2.1	110
78	The heritability of multi-modal connectivity in human brain activity. ELife, 2017, 6, .	2.8	107
79	Non-linear Parameter Estimates from Non-stationary MEG Data. Frontiers in Neuroscience, 2016, 10, 366.	1.4	7
80	Intrusive memories to traumatic footage: the neural basis of their encoding and involuntary recall. Psychological Medicine, 2016, 46, 505-518.	2.7	43
81	Statistical Analysis of fMRI Data. Neuromethods, 2016, , 183-239.	0.2	1
82	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
83	Training Working Memory in Childhood Enhances Coupling between Frontoparietal Control Network and Task-Related Regions. Journal of Neuroscience, 2016, 36, 9001-9011.	1.7	36
84	How reliable are MEG resting-state connectivity metrics?. NeuroImage, 2016, 138, 284-293.	2.1	353
85	Spectrally resolved fast transient brain states in electrophysiological data. NeuroImage, 2016, 126, 81-95.	2.1	301
86	Changes in cortical β -oscillation dynamics across the clinical spectrum of motor neuron disease. Lancet, The, 2016, 387, S84.	6.3	0
87	Evidence for a Caregiving Instinct: Rapid Differentiation of Infant from Adult Vocalizations Using Magnetoencephalography. Cerebral Cortex, 2016, 26, 1309-1321.	1.6	36
88	Electrophysiological measures of resting state functional connectivity and their relationship with working memory capacity in childhood. Developmental Science, 2016, 19, 19-31.	1.3	27
89	Modulation of hippocampal theta and hippocampal β -prefrontal cortex function by a schizophrenia risk gene. Human Brain Mapping, 2015, 36, 2387-2395.	1.9	44
90	Probabilistic non-linear registration with spatially adaptive regularisation. Medical Image Analysis, 2015, 26, 203-216.	7.0	22

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91	Testing sensory evidence against mnemonic templates. <i>ELife</i> , 2015, 4, e09000.	2.8	112
92	Memory load modulates graded changes in distracter filtering. <i>Frontiers in Human Neuroscience</i> , 2015, 8, 1025.	1.0	3
93	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
94	The Neural Dynamics of Fronto-Parietal Networks in Childhood Revealed using Magnetoencephalography. <i>Cerebral Cortex</i> , 2015, 25, 3868-3876.	1.6	27
95	Large-scale Probabilistic Functional Modes from resting state fMRI. <i>NeuroImage</i> , 2015, 109, 217-231.	2.1	98
96	A symmetric multivariate leakage correction for MEG connectomes. <i>NeuroImage</i> , 2015, 117, 439-448.	2.1	383
97	Dynamic recruitment of resting state sub-networks. <i>NeuroImage</i> , 2015, 115, 85-95.	2.1	93
98	Cognitive Training Enhances Intrinsic Brain Connectivity in Childhood. <i>Journal of Neuroscience</i> , 2015, 35, 6277-6283.	1.7	111
99	Learning to identify CNS drug action and efficacy using multistudy fMRI data. <i>Science Translational Medicine</i> , 2015, 7, 274ra16.	5.8	82
100	Role of white-matter pathways in coordinating alpha oscillations in resting visual cortex. <i>NeuroImage</i> , 2015, 106, 328-339.	2.1	44
101	Fast transient networks in spontaneous human brain activity. <i>ELife</i> , 2014, 3, e01867.	2.8	467
102	MVPA to enhance the study of rare cognitive events: An investigation of experimental PTSD. , 2014, , .		3
103	Optimising beamformer regions of interest analysis. <i>NeuroImage</i> , 2014, 102, 945-954.	2.1	8
104	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
105	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
106	Serotonin and Social Norms. <i>Psychological Science</i> , 2014, 25, 1303-1313.	1.8	18
107	Measuring temporal, spectral and spatial changes in electrophysiological brain network connectivity. <i>NeuroImage</i> , 2014, 91, 282-299.	2.1	130
108	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

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109	Modulation of alpha power at encoding and retrieval tracks the precision of visual short-term memory. <i>Journal of Neurophysiology</i> , 2014, 112, 2939-2945.	0.9	16
110	Magnetoencephalography. <i>Practical Neurology</i> , 2014, 14, 336-343.	0.5	57
111	Non-Gaussian probabilistic MEG source localisation based on kernel density estimation. <i>NeuroImage</i> , 2014, 87, 444-464.	2.1	18
112	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
113	Multi-session statistics on beamformed MEG data. <i>NeuroImage</i> , 2014, 95, 330-335.	2.1	19
114	An Introduction to MEG Connectivity Measurements. , 2014, , 321-358.		12
115	Localization of MEG human brain responses to retinotopic visual stimuli with contrasting source reconstruction approaches. <i>Frontiers in Neuroscience</i> , 2014, 8, 127.	1.4	10
116	Local GABA concentration is related to network-level resting functional connectivity. <i>ELife</i> , 2014, 3, e01465.	2.8	157
117	Modeling dispersion in arterial spin labeling: Validation using dynamic angiographic measurements. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 563-570.	1.9	39
118	Comparing model-based and model-free analysis methods for QUASAR arterial spin labeling perfusion quantification. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1466-1475.	1.9	17
119	A new approach to the fusion of EEG and MEG signals using the LCMV beamformer. , 2013, , .		0
120	Dynamic state allocation for MEG source reconstruction. <i>NeuroImage</i> , 2013, 77, 77-92.	2.1	64
121	Functional connectomics from resting-state fMRI. <i>Trends in Cognitive Sciences</i> , 2013, 17, 666-682.	4.0	802
122	Utility of Partial Correlation for Characterising Brain Dynamics: MVPA-based Assessment of Regularisation and Network Selection. , 2013, , .		4
123	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
124	Set-level threshold-free tests on the intrinsic volumes of SPMs. <i>NeuroImage</i> , 2013, 68, 133-140.	2.1	1
125	Using variance information in magnetoencephalography measures of functional connectivity. <i>NeuroImage</i> , 2013, 67, 203-212.	2.1	50
126	Adding dynamics to the Human Connectome Project with MEG. <i>NeuroImage</i> , 2013, 80, 190-201.	2.1	189

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127	Biophysical network models and the human connectome. <i>NeuroImage</i> , 2013, 80, 330-338.	2.1	78
128	Resting-state fMRI in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 144-168.	2.1	1,367
129	A non-Gaussian LCMV beamformer for MEG source reconstruction. , 2013, , .		0
130	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
131	Ensemble Learning Incorporating Uncertain Registration. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 748-756.	5.4	19
132	Trial-Type Dependent Frames of Reference for Value Comparison. <i>PLoS Computational Biology</i> , 2013, 9, e1003225.	1.5	48
133	A Bayesian Approach for Spatially Adaptive Regularisation in Non-rigid Registration. <i>Lecture Notes in Computer Science</i> , 2013, 16, 10-18.	1.0	11
134	Tools of the trade: psychophysiological interactions and functional connectivity. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 604-609.	1.5	676
135	A probabilistic non-rigid registration framework using local noise estimates. , 2012, , .		1
136	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
137	Mechanisms underlying cortical activity during value-guided choice. <i>Nature Neuroscience</i> , 2012, 15, 470-476.	7.1	394
138	The danger of systematic bias in group-level fMRI-lag-based causality estimation. <i>NeuroImage</i> , 2012, 59, 1228-1229.	2.1	54
139	Probabilistic inference of regularisation in non-rigid registration. <i>NeuroImage</i> , 2012, 59, 2438-2451.	2.1	59
140	FSL. <i>NeuroImage</i> , 2012, 62, 782-790.	2.1	8,804
141	Bayesian inference in fMRI. <i>NeuroImage</i> , 2012, 62, 801-810.	2.1	49
142	Task-driven ICA feature generation for accurate and interpretable prediction using fMRI. <i>NeuroImage</i> , 2012, 60, 189-203.	2.1	34
143	Measuring functional connectivity in MEG: A multivariate approach insensitive to linear source leakage. <i>NeuroImage</i> , 2012, 63, 910-920.	2.1	333
144	Inferring task-related networks using independent component analysis in magnetoencephalography. <i>NeuroImage</i> , 2012, 62, 530-541.	2.1	115

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145	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
146	Task induced modulation of neural oscillations in electrophysiological brain networks. <i>NeuroImage</i> , 2012, 63, 1918-1930.	2.1	57
147	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
148	Fusion of Magnetometer and Gradiometer Sensors of MEG in the Presence of Multiplicative Error. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 1951-1961.	2.5	6
149	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
150	A fast solution to robust minimum variance beamformer and application to simultaneous MEG and local field potential. , 2011, , .		1
151	MEG beamforming using Bayesian PCA for adaptive data covariance matrix regularization. <i>NeuroImage</i> , 2011, 57, 1466-1479.	2.1	134
152	Network modelling methods for fMRI. <i>NeuroImage</i> , 2011, 54, 875-891.	2.1	1,588
153	Linked independent component analysis for multimodal data fusion. <i>NeuroImage</i> , 2011, 54, 2198-2217.	2.1	302
154	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
155	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
156	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
157	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
158	Longitudinal Brain MRI Analysis with Uncertain Registration. <i>Lecture Notes in Computer Science</i> , 2011, 14, 647-654.	1.0	23
159	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 641-647.	1.9	109
160	Separation of macrovascular signal in multi-inversion time arterial spin labelling MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1357-1365.	1.9	101
161	Vessel-encoded dynamic magnetic resonance angiography using arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 430-438.	1.9	18
162	Vessel-encoded dynamic magnetic resonance angiography using arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 698-706.	1.9	43

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163	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
164	Modulation of movement-associated cortical activation by transcranial direct current stimulation. <i>European Journal of Neuroscience</i> , 2009, 30, 1412-1423.	1.2	156
165	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
166	Variational Bayesian Inference for a Nonlinear Forward Model. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 223-236.	3.2	333
167	Vascular Territory Image Analysis Using Vessel Encoded Arterial Spin Labeling. <i>Lecture Notes in Computer Science</i> , 2009, 12, 514-521.	1.0	2
168	Multiple-subjects connectivity-based parcellation using hierarchical Dirichlet process mixture models. <i>NeuroImage</i> , 2009, 44, 373-384.	2.1	85
169	Combined spatial and non-spatial prior for inference on MRI time-series. <i>NeuroImage</i> , 2009, 45, 795-809.	2.1	97
170	Bayesian analysis of neuroimaging data in FSL. <i>NeuroImage</i> , 2009, 45, S173-S186.	2.1	2,074
171	Statistical Analysis of fMRI Data. <i>Neuroinformatics</i> , 2009, , 179-236.	0.2	9
172	Associative learning of social value. <i>Nature</i> , 2008, 456, 245-249.	13.7	825
173	Knowing When to Stop: The Brain Mechanisms of Chasing Losses. <i>Biological Psychiatry</i> , 2008, 63, 293-300.	0.7	146
174	Robust group analysis using outlier inference. <i>NeuroImage</i> , 2008, 41, 286-301.	2.1	451
175	Bayesian deconvolution fMRI data using bilinear dynamical systems. <i>NeuroImage</i> , 2008, 42, 1381-1396.	2.1	34
176	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
177	Probabilistic diffusion tractography with multiple fibre orientations: What can we gain?. <i>NeuroImage</i> , 2007, 34, 144-155.	2.1	3,129
178	Meaningful design and contrast estimability in FMRI. <i>NeuroImage</i> , 2007, 34, 127-136.	2.1	60
179	A Bayesian framework for global tractography. <i>NeuroImage</i> , 2007, 37, 116-129.	2.1	243
180	Learning the value of information in an uncertain world. <i>Nature Neuroscience</i> , 2007, 10, 1214-1221.	7.1	1,650

#	ARTICLE	IF	CITATIONS
181	Variational bayes inference of spatial mixture models for segmentation. IEEE Transactions on Medical Imaging, 2006, 25, 1380-1391.	5.4	74
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