

# Michael J Breakspear

## List of Publications by Citations

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

239 papers	16,720 citations	64 h-index	124 g-index
286 ext. papers	20,810 ext. citations	6.2 avg, IF	7.25 L-index

#	Paper	IF	Citations
239	Network structure of cerebral cortex shapes functional connectivity on multiple time scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 10240-5	11.5	1321
238	Small-world networks and functional connectivity in Alzheimer's disease. <i>Cerebral Cortex</i> , <b>2007</b> , 17, 92-9	5.1	929
237	The connectomics of brain disorders. <i>Nature Reviews Neuroscience</i> , <b>2015</b> , 16, 159-72	13.5	882
236	The dynamic brain: from spiking neurons to neural masses and cortical fields. <i>PLoS Computational Biology</i> , <b>2008</b> , 4, e1000092	5	634
235	Time-resolved resting-state brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10341-6	11.5	494
234	Graph analysis of the human connectome: promise, progress, and pitfalls. <i>NeuroImage</i> , <b>2013</b> , 80, 426-44	7.9	493
233	Dynamic models of large-scale brain activity. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 340-352	25.5	419
232	Synchronous gamma activity: a review and contribution to an integrative neuroscience model of schizophrenia. <i>Brain Research Reviews</i> , <b>2003</b> , 41, 57-78		393
231	Modeling the impact of lesions in the human brain. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000408	5	387
230	Small-world networks and disturbed functional connectivity in schizophrenia. <i>Schizophrenia Research</i> , <b>2006</b> , 87, 60-6	3.6	360
229	Small-world properties of nonlinear brain activity in schizophrenia. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 403-16	1.6	355
228	A unifying explanation of primary generalized seizures through nonlinear brain modeling and bifurcation analysis. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 1296-313	5.1	345
227	Nonlinear dynamic causal models for fMRI. <i>NeuroImage</i> , <b>2008</b> , 42, 649-62	7.9	311
226	Generative models of cortical oscillations: neurobiological implications of the kuramoto model. <i>Frontiers in Human Neuroscience</i> , <b>2010</b> , 4, 190	3.3	264
225	Perceptions as hypotheses: saccades as experiments. <i>Frontiers in Psychology</i> , <b>2012</b> , 3, 151	3.4	215
224	Criticality in the brain: A synthesis of neurobiology, models and cognition. <i>Progress in Neurobiology</i> , <b>2017</b> , 158, 132-152	10.9	193
223	Connectome sensitivity or specificity: which is more important?. <i>NeuroImage</i> , <b>2016</b> , 142, 407-420	7.9	184

222	Human cognition involves the dynamic integration of neural activity and neuromodulatory systems. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 289-296	25.5	182
221	Biophysical mechanisms of multistability in resting-state cortical rhythms. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 6353-61	6.6	182
220	Towards a statistical test for functional connectivity dynamics. <i>NeuroImage</i> , <b>2015</b> , 114, 466-70	7.9	177
219	Wavelets and functional magnetic resonance imaging of the human brain. <i>NeuroImage</i> , <b>2004</b> , 23 Suppl 1, S234-49	7.9	173
218	Neurobiologically realistic determinants of self-organized criticality in networks of spiking neurons. <i>PLoS Computational Biology</i> , <b>2011</b> , 7, e1002038	5	167
217	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. <i>Network Neuroscience</i> , <b>2020</b> , 4, 30-69	5.6	159
216	Nonlinear synchronization in EEG and whole-head MEG recordings of healthy subjects. <i>Human Brain Mapping</i> , <b>2003</b> , 19, 63-78	5.9	153
215	Dynamics of a neural system with a multiscale architecture. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 360, 1051-74	5.8	144
214	Bistability and non-Gaussian fluctuations in spontaneous cortical activity. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 8512-24	6.6	135
213	Changes in community structure of resting state functional connectivity in unipolar depression. <i>PLoS ONE</i> , <b>2012</b> , 7, e41282	3.7	135
212	Symbiotic relationship between brain structure and dynamics. <i>BMC Neuroscience</i> , <b>2009</b> , 10, 55	3.2	132
211	Naturalistic Stimuli in Neuroscience: Critically Acclaimed. <i>Trends in Cognitive Sciences</i> , <b>2019</b> , 23, 699-714	14	131
210	The contribution of geometry to the human connectome. <i>NeuroImage</i> , <b>2016</b> , 124, 379-393	7.9	128
209	The foveal confluence in human visual cortex. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 9050-8	6.6	118
208	Dwelling quietly in the rich club: brain network determinants of slow cortical fluctuations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 370,	5.8	109
207	Charting the landscape of priority problems in psychiatry, part 1: classification and diagnosis. <i>Lancet Psychiatry</i> , <b>2016</b> , 3, 77-83	23.3	107
206	A canonical model of multistability and scale-invariance in biological systems. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002634	5	107
205	Wavelets and statistical analysis of functional magnetic resonance images of the human brain. <i>Statistical Methods in Medical Research</i> , <b>2003</b> , 12, 375-99	2.3	102

204	Perception and self-organized instability. <i>Frontiers in Computational Neuroscience</i> , <b>2012</b> , 6, 44	3.5	98
203	Modulation of excitatory synaptic coupling facilitates synchronization and complex dynamics in a biophysical model of neuronal dynamics. <i>Network: Computation in Neural Systems</i> , <b>2003</b> , 14, 703-732	0.7	94
202	Functional Dysconnection of the Inferior Frontal Gyrus in Young People With Bipolar Disorder or at Genetic High Risk. <i>Biological Psychiatry</i> , <b>2017</b> , 81, 718-727	7.9	92
201	Consistency-based thresholding of the human connectome. <i>NeuroImage</i> , <b>2017</b> , 145, 118-129	7.9	92
200	Mechanisms of zero-lag synchronization in cortical motifs. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003548	5.48	91
199	Nonlinear phase desynchronization in human electroencephalographic data. <i>Human Brain Mapping</i> , <b>2002</b> , 15, 175-98	5.9	89
198	Neural mechanisms of intermuscular coherence: implications for the rectification of surface electromyography. <i>Journal of Neurophysiology</i> , <b>2012</b> , 107, 796-807	3.2	88
197	A disturbance of nonlinear interdependence in scalp EEG of subjects with first episode schizophrenia. <i>NeuroImage</i> , <b>2003</b> , 20, 466-78	7.9	88
196	Detection and description of non-linear interdependence in normal multichannel human EEG data. <i>Clinical Neurophysiology</i> , <b>2002</b> , 113, 735-53	4.3	88
195	Complex mental activity and the aging brain: molecular, cellular and cortical network mechanisms. <i>Brain Research Reviews</i> , <b>2007</b> , 56, 198-213		87
194	A novel method for the topographic analysis of neural activity reveals formation and dissolution of 'Dynamic Cell Assemblies'. <i>Journal of Computational Neuroscience</i> , <b>2004</b> , 16, 49-68	1.4	87
193	Effective connectivity within the frontoparietal control network differentiates cognitive control and working memory. <i>NeuroImage</i> , <b>2015</b> , 106, 144-53	7.9	86
192	Multimodal assistive technologies for depression diagnosis and monitoring. <i>Journal on Multimodal User Interfaces</i> , <b>2013</b> , 7, 217-228	1.7	86
191	Spatiotemporal wavelet resampling for functional neuroimaging data. <i>Human Brain Mapping</i> , <b>2004</b> , 23, 1-25	5.9	86
190	Multivariate time-frequency analysis of electromagnetic brain activity during bimanual motor learning. <i>NeuroImage</i> , <b>2007</b> , 36, 370-7	7.9	81
189	Are rich club regions masters or slaves of brain network dynamics?. <i>BMC Neuroscience</i> , <b>2015</b> , 16,	3.2	78
188	"Dynamic" connectivity in neural systems: theoretical and empirical considerations. <i>Neuroinformatics</i> , <b>2004</b> , 2, 205-26	3.2	77
187	Construction of multivariate surrogate sets from nonlinear data using the wavelet transform. <i>Physica D: Nonlinear Phenomena</i> , <b>2003</b> , 182, 1-22	3.3	75

186	Topographic organization of the human subcortex unveiled with functional connectivity gradients. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 1421-1432	25.5	74
185	The modulation of neural gain facilitates a transition between functional segregation and integration in the brain. <i>ELife</i> , <b>2018</b> , 7,	8.9	72
184	Reduced inferior frontal gyrus activation during response inhibition to emotional stimuli in youth at high risk of bipolar disorder. <i>Biological Psychiatry</i> , <b>2013</b> , 74, 55-61	7.9	71
183	Disrupted effective connectivity of cortical systems supporting attention and interoception in melancholia. <i>JAMA Psychiatry</i> , <b>2015</b> , 72, 350-8	14.5	70
182	Sifting through the surfeit of neuroinflammation tracers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2018</b> , 38, 204-224	7.3	70
181	Metastable brain waves. <i>Nature Communications</i> , <b>2019</b> , 10, 1056	17.4	69
180	Fragility and volatility of structural hubs in the human connectome. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 1107-1116	15.6	68
179	Cortical burst dynamics predict clinical outcome early in extremely preterm infants. <i>Brain</i> , <b>2015</b> , 138, 2206-18	11.2	68
178	Hemodynamic traveling waves in human visual cortex. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002435	5	67
177	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. <i>ELife</i> , <b>2016</b> , 5,	8.9	65
176	Modulation of excitatory synaptic coupling facilitates synchronization and complex dynamics in a biophysical model of neuronal dynamics. <i>Network: Computation in Neural Systems</i> , <b>2003</b> , 14, 703-32	0.7	60
175	Muscle networks: Connectivity analysis of EMG activity during postural control. <i>Scientific Reports</i> , <b>2015</b> , 5, 17830	4.9	58
174	Comparison of depressive episodes in bipolar disorder and in major depressive disorder within bipolar disorder pedigrees. <i>British Journal of Psychiatry</i> , <b>2011</b> , 199, 303-9	5.4	57
173	Reciprocal interactions of the SMA and cingulate cortex sustain premovement activity for voluntary actions. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 16397-407	6.6	56
172	Topographic organization of nonlinear interdependence in multichannel human EEG. <i>NeuroImage</i> , <b>2002</b> , 16, 822-35	7.9	55
171	An investigation of depressed speech detection: features and normalization		55
170	The reorganization of corticomuscular coherence during a transition between sensorimotor states. <i>NeuroImage</i> , <b>2014</b> , 100, 692-702	7.9	54
169	The frustrated brain: from dynamics on motifs to communities and networks. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369,	5.8	53

168	Can body expressions contribute to automatic depression analysis? <b>2013</b> ,		50
167	Eye movement analysis for depression detection <b>2013</b> ,		50
166	The integration of the internal and external milieu in the insula during dynamic emotional experiences. <i>NeuroImage</i> , <b>2016</b> , 124, 455-463	7.9	49
165	Head Pose and Movement Analysis as an Indicator of Depression <b>2013</b> ,		49
164	Modeling magnification and anisotropy in the primate foveal confluence. <i>PLoS Computational Biology</i> , <b>2010</b> , 6, e1000651	5	48
163	The organisation of the elderly connectome. <i>NeuroImage</i> , <b>2015</b> , 114, 414-26	7.9	47
162	The heavy tail of the human brain. <i>Current Opinion in Neurobiology</i> , <b>2015</b> , 31, 164-72	7.6	47
161	Connectomics of bipolar disorder: a critical review, and evidence for dynamic instabilities within interoceptive networks. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 1296-1318	15.1	47
160	Network structure of the human musculoskeletal system shapes neural interactions on multiple time scales. <i>Science Advances</i> , <b>2018</b> , 4, eaat0497	14.3	47
159	Dissociable effects of local inhibitory and excitatory theta-burst stimulation on large-scale brain dynamics. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 3375-85	3.2	46
158	Fronto-limbic dysconnectivity leads to impaired brain network controllability in young people with bipolar disorder and those at high genetic risk. <i>NeuroImage: Clinical</i> , <b>2018</b> , 19, 71-81	5.3	45
157	Multimodal Depression Detection: Fusion Analysis of Paralinguistic, Head Pose and Eye Gaze Behaviors. <i>IEEE Transactions on Affective Computing</i> , <b>2018</b> , 9, 478-490	5.7	45
156	Detecting depression: A comparison between spontaneous and read speech <b>2013</b> ,		45
155	Heritability of the network architecture of intrinsic brain functional connectivity. <i>NeuroImage</i> , <b>2015</b> , 121, 243-52	7.9	44
154	Scale-free bursting in human cortex following hypoxia at birth. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 6557-70.6	7.6	44
153	Nonlinear interdependence in neural systems: motivation, theory, and relevance. <i>International Journal of Neuroscience</i> , <b>2002</b> , 112, 1263-84	2	44
152	The site of stimulation moderates neuropsychiatric symptoms after subthalamic deep brain stimulation for Parkinson's disease. <i>NeuroImage: Clinical</i> , <b>2018</b> , 18, 996-1006	5.3	43
151	Predicting tDCS treatment outcomes of patients with major depressive disorder using automated EEG classification. <i>Journal of Affective Disorders</i> , <b>2017</b> , 208, 597-603	6.6	42

150	Screening for bipolar disorder: the utility and comparative properties of the MSS and MDQ measures. <i>Journal of Affective Disorders</i> , <b>2008</b> , 109, 83-9	6.6	42
149	Low-dimensional dynamics of resting-state cortical activity. <i>Brain Topography</i> , <b>2014</b> , 27, 338-52	4.3	40
148	Modulation of excitatory synaptic coupling facilitates synchronization and complex dynamics in a biophysical model of neuronal dynamics		40
147	Multi-frequency phase locking in human somatosensory cortex. <i>Progress in Biophysics and Molecular Biology</i> , <b>2011</b> , 105, 58-66	4.7	39
146	The Low-Dimensional Neural Architecture of Cognitive Complexity Is Related to Activity in Medial Thalamic Nuclei. <i>Neuron</i> , <b>2019</b> , 104, 849-855.e3	13.9	38
145	A comparative study of different classifiers for detecting depression from spontaneous speech <b>2013</b> ,		38
144	The nonlinear theory of schizophrenia. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2006</b> , 40, 20-35	2.6	38
143	Charting the landscape of priority problems in psychiatry, part 2: pathogenesis and aetiology. <i>Lancet Psychiatry</i> , <b>2016</b> , 3, 84-90	23.3	37
142	The independent influences of age and education on functional brain networks and cognition in healthy older adults. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 5094-5114	5.9	37
141	Functional alterations in brain activation and deactivation in mild cognitive impairment in response to a graded working memory challenge. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2010</b> , 30, 553-68	2.6	37
140	Structural dysconnectivity of key cognitive and emotional hubs in young people at high genetic risk for bipolar disorder. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 413-421	15.1	36
139	Differentiation of Alzheimer's disease based on local and global parameters in personalized Virtual Brain models. <i>NeuroImage: Clinical</i> , <b>2018</b> , 19, 240-251	5.3	36
138	A Brain Model of Disturbed Self-Appraisal in Depression. <i>American Journal of Psychiatry</i> , <b>2017</b> , 174, 895-903	9.3	35
137	Network dysfunction of emotional and cognitive processes in those at genetic risk of bipolar disorder. <i>Brain</i> , <b>2015</b> , 138, 3427-39	11.2	34
136	Fusing concurrent EEG-fMRI with dynamic causal modeling: application to effective connectivity during face perception. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 1, 60-70	7.9	34
135	Using the virtual brain to reveal the role of oscillations and plasticity in shaping brain's dynamical landscape. <i>Brain Connectivity</i> , <b>2014</b> , 4, 791-811	2.7	34
134	On the genesis of spike-wave oscillations in a mean-field model of human thalamic and corticothalamic dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2006</b> , 355, 352-357	2.3	34
133	Whole-brain analytic measures of network communication reveal increased structure-function correlation in right temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , <b>2016</b> , 11, 707-718	5.3	34

132	Inching toward Bethlehem: mapping melancholia. <i>Journal of Affective Disorders</i> , <b>2010</b> , 123, 291-8	6.6	33
131	What clinical features precede the onset of bipolar disorder?. <i>Journal of Psychiatric Research</i> , <b>2015</b> , 62, 71-7	5.2	32
130	Critical fluctuations in cortical models near instability. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 331	4.6	32
129	Movie viewing elicits rich and reliable brain state dynamics. <i>Nature Communications</i> , <b>2020</b> , 11, 5004	17.4	32
128	Upregulation of cortico-cerebellar functional connectivity after motor learning. <i>NeuroImage</i> , <b>2016</b> , 128, 252-263	7.9	31
127	Deconvolution of neural dynamics from fMRI data using a spatiotemporal hemodynamic response function. <i>NeuroImage</i> , <b>2014</b> , 94, 203-215	7.9	31
126	The spatiotemporal hemodynamic response function for depth-dependent functional imaging of human cortex. <i>NeuroImage</i> , <b>2016</b> , 139, 240-248	7.9	30
125	An approach for automatically measuring facial activity in depressed subjects <b>2009</b> ,		30
124	Distinct Cerebellar Contributions to Cognitive-Perceptual Dynamics During Natural Viewing. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 5652-5662	5.1	29
123	Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. <i>Nature Communications</i> , <b>2019</b> , 10, 2619	17.4	28
122	The structural connectivity of subthalamic deep brain stimulation correlates with impulsivity in Parkinson's disease. <i>Brain</i> , <b>2020</b> , 143, 2235-2254	11.2	28
121	Out-of-sync: disrupted neural activity in emotional circuitry during film viewing in melancholic depression. <i>Scientific Reports</i> , <b>2015</b> , 5, 11605	4.9	28
120	Cross-Cultural Detection of Depression from Nonverbal Behaviour <b>2015</b> , 1,		28
119	Modulation of cortical activity by transcranial direct current stimulation in patients with affective disorder. <i>PLoS ONE</i> , <b>2014</b> , 9, e98503	3.7	28
118	Comparing the phenomenology of depressive episodes in bipolar I and II disorder and major depressive disorder within bipolar disorder pedigrees. <i>Journal of Clinical Psychiatry</i> , <b>2015</b> , 76, 32-8; quiz 39	4.6	28
117	Putting the "dynamic" back into dynamic functional connectivity. <i>Network Neuroscience</i> , <b>2018</b> , 2, 150-174	5.6	27
116	An improved algorithm for the detection of dynamical interdependence in bivariate time-series. <i>Biological Cybernetics</i> , <b>2003</b> , 88, 129-36	2.8	26
115	Distinct neurobiological signatures of brain connectivity in depression subtypes during natural viewing of emotionally salient films. <i>Psychological Medicine</i> , <b>2016</b> , 46, 1535-45	6.9	26

114	Development of frontoparietal connectivity predicts longitudinal symptom changes in young people with autism spectrum disorder. <i>Translational Psychiatry</i> , <b>2019</b> , 9, 86	8.6	25
113	Novel features of early burst suppression predict outcome after birth asphyxia. <i>Annals of Clinical and Translational Neurology</i> , <b>2014</b> , 1, 209-14	5.3	25
112	A dendritic mechanism for decoding traveling waves: principles and applications to motor cortex. <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1003260	5	25
111	Simulation of neuronal death and network recovery in a computational model of distributed cortical activity. <i>American Journal of Geriatric Psychiatry</i> , <b>2009</b> , 17, 210-7	6.5	25
110	Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. <i>NeuroImage: Clinical</i> , <b>2018</b> , 19, 661-674	5.3	25
109	Transitions in information processing dynamics at the whole-brain network level are driven by alterations in neural gain. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1006957	5	24
108	Muscle co-contraction modulates damping and joint stability in a three-link biomechanical limb. <i>Frontiers in Neurorobotics</i> , <b>2011</b> , 5, 5	3.4	24
107	Cortical responses to a graded working memory challenge predict functional decline in mild cognitive impairment. <i>Biological Psychiatry</i> , <b>2011</b> , 70, 123-30	7.9	24
106	Fragmentation: loss of global coherence or breakdown of modularity in functional brain architecture?. <i>Frontiers in Systems Neuroscience</i> , <b>2012</b> , 6, 20	3.5	24
105	Neuronal Dynamics and Brain Connectivity. <i>Understanding Complex Systems</i> , <b>2007</b> , 3-64	0.4	24
104	Perception of odors by a nonlinear model of the olfactory bulb. <i>International Journal of Neural Systems</i> , <b>2001</b> , 11, 101-24	6.2	24
103	Detecting changes in facial temperature induced by a sudden auditory stimulus based on deep learning-assisted face tracking. <i>Scientific Reports</i> , <b>2019</b> , 9, 4729	4.9	23
102	Early Detection of Preterm Intraventricular Hemorrhage From Clinical Electroencephalography. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 2219-27	1.4	23
101	Intrinsic coupling modes in source-reconstructed electroencephalography. <i>Brain Connectivity</i> , <b>2014</b> , 4, 812-25	2.7	23
100	Impact of load-related neural processes on feature binding in visuospatial working memory. <i>PLoS ONE</i> , <b>2011</b> , 6, e23960	3.7	23
99	Effective connectivity of the anterior hippocampus predicts recollection confidence during natural memory retrieval. <i>Nature Communications</i> , <b>2018</b> , 9, 4875	17.4	23
98	The structural connectivity of discrete networks underlies impulsivity and gambling in Parkinson's disease. <i>Brain</i> , <b>2019</b> , 142, 3917-3935	11.2	22
97	Brain-behavior patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder. <i>Psychological Medicine</i> , <b>2018</b> , 48, 2399-2408	6.9	21

96	Caregiver burden and caregiver appraisal of psychiatric symptoms are not modulated by subthalamic deep brain stimulation for Parkinson's disease. <i>Npj Parkinson's Disease</i> , <b>2018</b> , 4, 12	9.7	20
95	Scene unseen: Disrupted neuronal adaptation in melancholia during emotional film viewing. <i>NeuroImage: Clinical</i> , <b>2015</b> , 9, 660-7	5.3	20
94	Modulation of excitatory synaptic coupling facilitates synchronization and complex dynamics in a nonlinear model of neuronal dynamics. <i>Neurocomputing</i> , <b>2003</b> , 52-54, 151-158	5.4	20
93	Clinical Applications of Stochastic Dynamic Models of the Brain, Part I: A Primer. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2017</b> , 2, 216-224	3.4	19
92	Preprocessing strategy influences graph-based exploration of altered functional networks in major depression. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 1422-42	5.9	19
91	Rejection sensitivity and pain in bipolar versus unipolar depression. <i>Bipolar Disorders</i> , <b>2014</b> , 16, 190-8	3.8	19
90	Fixational eye movements during viewing of dynamic natural scenes. <i>Frontiers in Psychology</i> , <b>2013</b> , 4, 797	3.4	19
89	A computational role for bistability and traveling waves in motor cortex. <i>Frontiers in Computational Neuroscience</i> , <b>2012</b> , 6, 67	3.5	19
88	Anxiety, stress and perfectionism in bipolar disorder. <i>Journal of Affective Disorders</i> , <b>2013</b> , 151, 1016-24	6.6	17
87	Effects of mnemonic load on cortical activity during visual working memory: linking ongoing brain activity with evoked responses. <i>International Journal of Psychophysiology</i> , <b>2013</b> , 89, 409-18	2.9	16
86	Computational models link cellular mechanisms of neuromodulation to large-scale neural dynamics. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 765-776	25.5	16
85	The Brain Dynamics Toolbox for Matlab. <i>Neurocomputing</i> , <b>2018</b> , 315, 82-88	5.4	16
84	Critical role for resource constraints in neural models. <i>Frontiers in Systems Neuroscience</i> , <b>2014</b> , 8, 154	3.5	15
83	Exploiting the potential of three dimensional spatial wavelet analysis to explore nesting of temporal oscillations and spatial variance in simultaneous EEG-fMRI data. <i>Progress in Biophysics and Molecular Biology</i> , <b>2011</b> , 105, 67-79	4.7	15
82	Reconfiguration of functional brain networks and metabolic cost converge during task performance. <i>ELife</i> , <b>2020</b> , 9,	8.9	15
81	Topographic organization of the human subcortex unveiled with functional connectivity gradients		15
80	White matter alterations in the internal capsule and psychomotor impairment in melancholic depression. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195672	3.7	15
79	The multiscale character of evoked cortical activity. <i>NeuroImage</i> , <b>2006</b> , 30, 1230-42	7.9	14

78	Prior and present evidence: how prior experience interacts with present information in a perceptual decision making task. <i>PLoS ONE</i> , <b>2012</b> , 7, e37580	3.7	14
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