Maurizio Corbetta

List of Publications by Year in Descending Order

238 papers	46,404 citations	75 h-index	215 g-index
281 ext. papers	54,264 ext. citations	7.4 avg, IF	7.69 L-index

#	Paper	IF	Citations
238	Post-stroke outcomes predicted from multivariate lesion-behaviour and lesion network mapping.. *Brain*, **2022**,	11.2	2
237	The future of human behaviour research.. *Nature Human Behaviour*, **2022**, 6, 15-24	12.8	3
236	Diffusion-based microstructure models in brain tumours: Fitting in presence of a model-microstructure mismatch.. *NeuroImage: Clinical*, **2022**, 34, 102968	5.3	
235	Temporal exponential random graph models of longitudinal brain networks after stroke.. *Journal of the Royal Society Interface*, **2022**, 19, 20210850	4.1	1
234	Magnetic Resonance Imaging Correlates of Immune Microenvironment in Glioblastoma.. *Frontiers in Oncology*, **2022**, 12, 823812	5.3	
233	Widespread cortical functional disconnection in gliomas: an individual network mapping approach.. *Brain Communications*, **2022**, 4, fcac082	4.5	0
232	Post-stroke reorganization of transient brain activity characterizes deficits and recovery of cognitive functions.. *NeuroImage*, **2022**, 119201	7.9	0
231	Impaired cognitive control in patients with brain tumors.. *Neuropsychologia*, **2022**, 108187	3.2	
230	Assessment of structural disconnections in gliomas: comparison of indirect and direct approaches.. *Brain Structure and Function*, **2022**, 1	4	0
229	Variability of regional glucose metabolism and the topology of functional networks in the human brain.. *NeuroImage*, **2022**, 119280	7.9	0
228	Edge-centric analysis of stroke patients: An alternative approach for biomarkers of lesion recovery. *NeuroImage: Clinical*, **2022**, 35, 103055	5.3	0
227	A novel stroke lesion network mapping approach: improved accuracy yet still low deficit prediction. *Brain Communications*, **2021**, 3, fcab259	4.5	0
226	TMS-EEG Biomarkers of Amnestic Mild Cognitive Impairment Due to Alzheimer's Disease: A Proof-of-Concept Six Years Prospective Study. *Frontiers in Aging Neuroscience*, **2021**, 13, 737281	5.3	3
225	Unveiling whole-brain dynamics in normal aging through Hidden Markov Models. *Human Brain Mapping*, **2021**,	5.9	2
224	Brain network modulation in Alzheimer's and frontotemporal dementia with transcranial electrical stimulation.. *Neurobiology of Aging*, **2021**, 111, 24-34	5.6	2
223	Effective connectivity extracts clinically relevant prognostic information from resting state activity in stroke. *Brain Communications*, **2021**, 3, fcab233	4.5	1
222	Opinion, knowledge, and clinical experience with functional neurological disorders among Italian neurologists: results from an online survey. *Journal of Neurology*, **2021**, 1	5.5	1

221	Breakdown of specific functional brain networks in clinical variants of Alzheimer's disease. *Ageing Research Reviews*, **2021**, 72, 101482	12	4
220	A low-dimensional structure of neurological impairment in stroke. *Brain Communications*, **2021**, 3, fcab119	4.5	1
219	Multi-band MEG signatures of BOLD connectivity reorganization during visuospatial attention. *NeuroImage*, **2021**, 230, 117781	7.9	5
218	Reply: Lesion network mapping predicts post-stroke behavioural deficits and improves localization. *Brain*, **2021**, 144, e36	11.2	2
217	White matter abnormalities of right hemisphere attention networks contribute to visual hallucinations in dementia with Lewy bodies. *Cortex*, **2021**, 139, 86-98	3.8	2
216	Directed Flow of Beta Band Communication During Reorienting of Attention Within the Dorsal Attention Network. *Brain Connectivity*, **2021**, 11, 717-724	2.7	3
215	Brain stimulation and brain lesions converge on common causal circuits in neuropsychiatric disease. *Nature Human Behaviour*, **2021**,	12.8	12
214	Spontaneous Beta Band Rhythms in the Predictive Coding of Natural Stimuli. *Neuroscientist*, **2021**, 27, 184-201	7.6	6
213	Reply: Lesion network mapping: where do we go from here?. *Brain*, **2021**, 144, e6	11.2	6
212	Stroke-related alterations in inter-areal communication. *NeuroImage: Clinical*, **2021**, 32, 102812	5.3	1
211	Lesion Quantification Toolkit: A MATLAB software tool for estimating grey matter damage and white matter disconnections in patients with focal brain lesions. *NeuroImage: Clinical*, **2021**, 30, 102639	5.3	14
210	Rule Perseveration during Task-Switching in Brain Tumor: A Severe Form of Task-Setting Impairment. *Journal of Cognitive Neuroscience*, **2021**, 1-18	3.1	1
209	Common and unique structural plasticity after left and right hemisphere stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2021**, 41, 3350-3364	7.3	0
208	Changes of Metabolic Connectivity in Dementia with Lewy Bodies with Visual Hallucinations: A F-Fluorodeoxyglucose Positron Emission Tomography/Magnetic Resonance Study. *Brain Connectivity*, **2021**, 11, 518-528	2.7	2
207	The secret life of predictive brains: what's spontaneous activity for?. *Trends in Cognitive Sciences*, **2021**, 25, 730-743	14	19
206	Visual exploration dynamics are low-dimensional and driven by intrinsic factors. *Communications Biology*, **2021**, 4, 1100	6.7	1
205	Spectral signature of attentional reorienting in the human brain. *NeuroImage*, **2021**, 244, 118616	7.9	1
204	Multiple Network Disconnection in Anosognosia for Hemiplegia. *Frontiers in Systems Neuroscience*, **2020**, 14, 21	3.5	8

203	Post-stroke deficit prediction from lesion and indirect structural and functional disconnection. *Brain*, **2020**, 143, 2173-2188	11.2	58
202	Damage to the shortest structural paths between brain regions is associated with disruptions of resting-state functional connectivity after stroke. *NeuroImage*, **2020**, 210, 116589	7.9	22
201	Focal left prefrontal lesions and cognitive impairment: A multivariate lesion-symptom mapping approach. *Neuropsychologia*, **2020**, 136, 107253	3.2	5
200	Sparse DCM for whole-brain effective connectivity from resting-state fMRI data. *NeuroImage*, **2020**, 208, 116367	7.9	9
199	Model-based whole-brain effective connectivity to study distributed cognition in health and disease. *Network Neuroscience*, **2020**, 4, 338-373	5.6	10
198	Multivariate Lesion-Behavior Mapping of General Cognitive Ability and Its Psychometric Constituents. *Journal of Neuroscience*, **2020**, 40, 8924-8937	6.6	9
197	Spontaneously emerging patterns in human visual cortex and their functional connectivity are linked to the patterns evoked by visual stimuli. *Journal of Neurophysiology*, **2020**, 124, 1343-1363	3.2	2
196	Alertness Training Improves Spatial Bias and Functional Ability in Spatial Neglect. *Annals of Neurology*, **2020**, 88, 747-758	9.4	4
195	Posterior reversible encephalopathy syndrome associated with Guillain-Barr□ syndrome: Case report and clinical management considerations. *Journal of Clinical Apheresis*, **2020**, 35, 231-233	3.2	1
194	Structural Disconnections Explain Brain Network Dysfunction after Stroke. *Cell Reports*, **2019**, 28, 2527-2540.e9	8.0	53
193	Safety and efficacy of edaravone compared to historical controls in patients with amyotrophic lateral sclerosis from North-Eastern Italy. *Journal of the Neurological Sciences*, **2019**, 404, 47-51	3.2	12
192	A Novel Gradient Echo Plural Contrast Imaging Method Detects Brain Tissue Abnormalities in Patients With TBI Without Evident Anatomical Changes on Clinical MRI: A Pilot Study. *Military Medicine*, **2019**, 184, 218-227	1.3	3
191	The architecture of functional lateralisation and its relationship to callosal connectivity in the human brain. *Nature Communications*, **2019**, 10, 1417	17.4	85
190	The evolution of the temporoparietal junction and posterior superior temporal sulcus. *Cortex*, **2019**, 118, 38-50	3.8	59
189	A Comparison of Shallow and Deep Learning Methods for Predicting Cognitive Performance of Stroke Patients From MRI Lesion Images. *Frontiers in Neuroinformatics*, **2019**, 13, 53	3.9	30
188	A human memory circuit derived from brain lesions causing amnesia. *Nature Communications*, **2019**, 10, 3497	17.4	56
187	A Human Depression Circuit Derived From Focal Brain Lesions. *Biological Psychiatry*, **2019**, 86, 749-758	7.9	70
186	Brain controllability: Not a slam dunk yet. *NeuroImage*, **2019**, 200, 552-555	7.9	2

185	The Impact of the Geometric Correction Scheme on MEG Functional Topology at Rest. *Frontiers in Neuroscience*, **2019**, 13, 1114	5.1	8
184	Archetypes of human cognition defined by time preference for reward and their brain correlates: An evolutionary trade-off approach. *NeuroImage*, **2019**, 185, 322-334	7.9	8
183	Brain networksRfunctional connectivity separates aphasic deficits in stroke. *Neurology*, **2019**, 92, e125-e135	6.5	13
182	Distinct modes of functional connectivity induced by movie-watching. *NeuroImage*, **2019**, 184, 335-348	7.9	13
181	Distinct phase-amplitude couplings distinguish cognitive processes in human attention. *NeuroImage* , **2018**, 175, 111-121	7.9	17
180	Warnings and caveats in brain controllability. *NeuroImage*, **2018**, 176, 83-91	7.9	34
179	Re-emergence of modular brain networks in stroke recovery. *Cortex*, **2018**, 101, 44-59	3.8	101
178	On the low dimensionality of behavioral deficits and alterations of brain network connectivity after focal injury. *Cortex*, **2018**, 107, 229-237	3.8	37
177	Topology of Functional Connectivity and Hub Dynamics in the Beta Band As Temporal Prior for Natural Vision in the Human Brain. *Journal of Neuroscience*, **2018**, 38, 3858-3871	6.6	15
176	A New Modular Brain Organization of the BOLD Signal during Natural Vision. *Cerebral Cortex*, **2018**, 28, 3065-3081	5.1	27
175	Linking Entropy at Rest with the Underlying Structural Connectivity in the Healthy and Lesioned Brain. *Cerebral Cortex*, **2018**, 28, 2948-2958	5.1	14
174	Cortical cores in network dynamics. *NeuroImage*, **2018**, 180, 370-382	7.9	58
173	Effective connectivity inferred from fMRI transition dynamics during movie viewing points to a balanced reconfiguration of cortical interactions. *NeuroImage*, **2018**, 180, 534-546	7.9	35
172	Stronger prediction of motor recovery and outcome post-stroke by cortico-spinal tract integrity than functional connectivity. *PLoS ONE*, **2018**, 13, e0202504	3.7	19
171	Homeostatic plasticity and emergence of functional networks in a whole-brain model at criticality. *Scientific Reports*, **2018**, 8, 15682	4.9	18
170	Frequency-specific electrophysiologic correlates of resting state fMRI networks. *NeuroImage*, **2017**, 149, 446-457	7.9	73
169	The contribution of the human posterior parietal cortex to episodic memory. *Nature Reviews Neuroscience*, **2017**, 18, 183-192	13.5	145
168	Understanding the brain through large, multidisciplinary research initiatives. *Lancet Neurology, The*, **2017**, 16, 183-184	24.1	4

167	Decreased integration and information capacity in stroke measured by whole brain models of resting state activity. *Brain*, **2017**, 140, 1068-1085	11.2	46
166	Measuring functional connectivity in stroke: Approaches and considerations. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 2665-2678	7.3	41
165	Top-down cortical interactions in visuospatial attention. *Brain Structure and Function*, **2017**, 222, 3127-3145	4	20
164	Differential white matter involvement associated with distinct visuospatial deficits after right hemisphere stroke. *Cortex*, **2017**, 88, 81-97	3.8	32
163	Data Quality Influences Observed Links Between Functional Connectivity and Behavior. *Cerebral Cortex*, **2017**, 27, 4492-4502	5.1	171
162	Task and Regions Specific Top-Down Modulation of Alpha Rhythms in Parietal Cortex. *Cerebral Cortex*, **2017**, 27, 4815-4822	5.1	29
161	Reply: Defining a functional network homeostasis after stroke: EEG-based approach is complementary to functional MRI. *Brain*, **2017**, 140, e72	11.2	0
160	Brain PET and functional MRI: why simultaneously using hybrid PET/MR systems?. *Quarterly Journal of Nuclear Medicine and Molecular Imaging*, **2017**, 61, 345-359	1.4	12
159	Magnetic stimulation of visual cortex impairs perceptual learning. *NeuroImage*, **2016**, 143, 250-255	7.9	12
158	Early diffusion evidence of retrograde transsynaptic degeneration in the human visual system. *Neurology*, **2016**, 87, 198-205	6.5	12
157	Exploring the physiological correlates of chronic mild traumatic brain injury symptoms. *NeuroImage: Clinical*, **2016**, 11, 10-19	5.3	19
156	The effects of hemodynamic lag on functional connectivity and behavior after stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 2162-2176	7.3	66
155	Disruptions of network connectivity predict impairment in multiple behavioral domains after stroke. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E4367-76	11.5	290
154	Normalization of network connectivity in hemispatial neglect recovery. *Annals of Neurology*, **2016**, 80, 127-41	9.4	62
153	Brain connectivity and neurological disorders after stroke. *Current Opinion in Neurology*, **2016**, 29, 706-713	7.1	56
152	Dissociated functional connectivity profiles for motor and attention deficits in acute right-hemisphere stroke. *Brain*, **2016**, 139, 2024-38	11.2	54
151	Dynamics of EEG rhythms support distinct visual selection mechanisms in parietal cortex: a simultaneous transcranial magnetic stimulation and EEG study. *Journal of Neuroscience*, **2015**, 35, 721-30	6.6	21
150	Dynamic reorganization of human resting-state networks during visuospatial attention. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8112-7	11.5	109

149	Resting-state temporal synchronization networks emerge from connectivity topology and heterogeneity. *PLoS Computational Biology*, **2015**, 11, e1004100	5	139
148	Visual Learning Induces Changes in Resting-State fMRI Multivariate Pattern of Information. *Journal of Neuroscience*, **2015**, 35, 9786-98	6.6	31
147	Functional evolution of new and expanded attention networks in humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9454-9	11.5	60
146	Descriptive data analysis examining how standardized assessments are used to guide post-acute discharge recommendations for rehabilitation services after stroke. *Physical Therapy*, **2015**, 95, 710-9	3.3	13
145	Common behavioral clusters and subcortical anatomy in stroke. *Neuron*, **2015**, 85, 927-41	13.9	240
144	Special issue Hearing, aging and cognitive disorders Resting state network changes in aging and cognitive decline. *Hearing, Balance and Communication*, **2015**, 13, 58-64	0.7	4
143	Filling in the gaps: Anticipatory control of eye movements in chronic mild traumatic brain injury. *NeuroImage: Clinical*, **2015**, 8, 210-23	5.3	31
142	Eye position modulates retinotopic responses in early visual areas: a bias for the straight-ahead direction. *Brain Structure and Function*, **2015**, 220, 2587-601	4	18
141	Abnormal White Matter Blood-Oxygen-Level-Dependent Signals in Chronic Mild Traumatic Brain Injury. *Journal of Neurotrauma*, **2015**, 32, 1254-71	5.4	41
140	Decision and action planning signals in human posterior parietal cortex during delayed perceptual choices. *European Journal of Neuroscience*, **2014**, 39, 1370-83	3.5	22
139	How local excitation-inhibition ratio impacts the whole brain dynamics. *Journal of Neuroscience*, **2014**, 34, 7886-98	6.6	180
138	Large-scale changes in network interactions as a physiological signature of spatial neglect. *Brain*, **2014**, 137, 3267-83	11.2	114
137	Domain-general signals in the cingulo-opercular network for visuospatial attention and episodic memory. *Journal of Cognitive Neuroscience*, **2014**, 26, 551-68	3.1	59
136	The circuitry of abulia: insights from functional connectivity MRI. *NeuroImage: Clinical*, **2014**, 6, 320-6	5.3	26
135	Hemispatial neglect: clinic, pathogenesis, and treatment. *Seminars in Neurology*, **2014**, 34, 514-23	3.2	34
134	A case-control study of the effectiveness of tissue plasminogen activator on 6 month patients--reported outcomes and health care utilization. *Journal of Stroke and Cerebrovascular Diseases*, **2014**, 23, 2914-2919	2.8	
133	Dorsal and ventral attention systems underlie social and symbolic cueing. *Journal of Cognitive Neuroscience*, **2014**, 26, 63-80	3.1	40
132	Memory accumulation mechanisms in human cortex are independent of motor intentions. *Journal of Neuroscience*, **2014**, 34, 6993-7006	6.6	23

131	Resting-state modulation of □hythms by interference with angular gyrus activity. *Journal of Cognitive Neuroscience*, **2014**, 26, 107-19	3.1	32
130	Spatiotemporal structure of the spontaneous activity of the brain: modeling and comparison to experimental data. *IEICE Proceeding Series*, **2014**, 1, 566-569		
129	Frequency-specific mechanism links human brain networks for spatial attention. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 19585-90	11.5	72
128	Function in the human connectome: task-fMRI and individual differences in behavior. *NeuroImage*, **2013**, 80, 169-89	7.9	779
127	Natural scenes viewing alters the dynamics of functional connectivity in the human brain. *Neuron*, **2013**, 79, 782-97	13.9	121
126	Adding dynamics to the Human Connectome Project with MEG. *NeuroImage*, **2013**, 80, 190-201	7.9	132
125	Interference with episodic memory retrieval following transcranial stimulation of the inferior but not the superior parietal lobule. *Neuropsychologia*, **2013**, 51, 900-6	3.2	47
124	Impaired and facilitated functional networks in temporal lobe epilepsy. *NeuroImage: Clinical*, **2013**, 2, 862-72	5.3	87
123	Evolutionarily novel functional networks in the human brain?. *Journal of Neuroscience*, **2013**, 33, 3259-75	6.6	216
122	Clinician adherence to a standardized assessment battery across settings and disciplines in a poststroke rehabilitation population. *Archives of Physical Medicine and Rehabilitation*, **2013**, 94, 1048-53.e1	2.8	23
121	Frequency specific interactions of MEG resting state activity within and across brain networks as revealed by the multivariate interaction measure. *NeuroImage*, **2013**, 79, 172-83	7.9	91
120	Dynamic functional connectivity: promise, issues, and interpretations. *NeuroImage*, **2013**, 80, 360-78	7.9	1571
119	Resting-state functional connectivity emerges from structurally and dynamically shaped slow linear fluctuations. *Journal of Neuroscience*, **2013**, 33, 11239-52	6.6	333
118	Resting state network estimation in individual subjects. *NeuroImage*, **2013**, 82, 616-633	7.9	174
117	Resting state functional connectivity of the ventral attention network in children with a history of depression or anxiety. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2013**, 52, 1326-1336.e5	7.3	48
116	Distinct representations for shifts of spatial attention and changes of reward contingencies in the human brain. *Cortex*, **2013**, 49, 1733-49	3.8	27
115	Anatomical segregation of visual selection mechanisms in human parietal cortex. *Journal of Neuroscience*, **2013**, 33, 6225-9	6.6	36
114	A novel data-driven approach to preoperative mapping of functional cortex using resting-state functional magnetic resonance imaging. *Neurosurgery*, **2013**, 73, 969-82; discussion 982-3	3.2	100

113	Brain mapping in a patient with congenital blindness - a case for multimodal approaches. *Frontiers in Human Neuroscience*, **2013**, 7, 431	3.3	13
112	Using ipsilateral motor signals in the unaffected cerebral hemisphere as a signal platform for brain-computer interfaces in hemiplegic stroke survivors. *Journal of Neural Engineering*, **2012**, 9, 036011	5	40
111	A cortical core for dynamic integration of functional networks in the resting human brain. *Neuron*, **2012**, 74, 753-64	13.9	319
110	Interspecies activity correlations reveal functional correspondence between monkey and human brain areas. *Nature Methods*, **2012**, 9, 277-82	21.6	78
109	Prediction of discharge walking ability from initial assessment in a stroke inpatient rehabilitation facility population. *Archives of Physical Medicine and Rehabilitation*, **2012**, 93, 1441-7	2.8	44
108	Functional network dysfunction in anxiety and anxiety disorders. *Trends in Neurosciences*, **2012**, 35, 527-35	13.3	328
107	Why use a connectivity-based approach to study stroke and recovery of function?. *NeuroImage*, **2012**, 62, 2271-80	7.9	213
106	Data-driven analysis of analogous brain networks in monkeys and humans during natural vision. *NeuroImage*, **2012**, 63, 1107-18	7.9	24
105	Individual variability in functional connectivity predicts performance of a perceptual task. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 3516-21	11.5	198
104	Clustering of resting state networks. *PLoS ONE*, **2012**, 7, e40370	3.7	124
103	Large-scale cortical correlation structure of spontaneous oscillatory activity. *Nature Neuroscience*, **2012**, 15, 884-90	25.5	674
102	Functional connectivity and neurological recovery. *Developmental Psychobiology*, **2012**, 54, 239-53	3	64
101	Measuring Granger causality between cortical regions from voxelwise fMRI BOLD signals with LASSO. *PLoS Computational Biology*, **2012**, 8, e1002513	5	40
100	Differential contribution of right and left parietal cortex to the control of spatial attention: a simultaneous EEG-rTMS study. *Cerebral Cortex*, **2012**, 22, 446-54	5.1	58
99	Upstream dysfunction of somatomotor functional connectivity after corticospinal damage in stroke. *Neurorehabilitation and Neural Repair*, **2012**, 26, 7-19	4.7	146
98	Electrophysiological correlates of stimulus-driven reorienting deficits after interference with right parietal cortex during a spatial attention task: a TMS-EEG study. *Journal of Cognitive Neuroscience*, **2012**, 24, 2363-71	3.1	32
97	Orienting to the EnvironmentSeparate Contributions of Dorsal and Ventral Frontoparietal Attention Networks **2012**, 100-130		7
96	Spatial neglect and attention networks. *Annual Review of Neuroscience*, **2011**, 34, 569-99	17	796

95	Functional connectivity in resting-state fMRI: is linear correlation sufficient?. *NeuroImage*, **2011**, 54, 2218-25	7.9	119
94	The dynamical balance of the brain at rest. *Neuroscientist*, **2011**, 17, 107-23	7.6	223
93	False Belief vs. False Photographs: A Test of Theory of Mind or Working Memory?. *Frontiers in Psychology*, **2011**, 2, 316	3.4	9
92	A behavioral analysis of spatial neglect and its recovery after stroke. *Frontiers in Human Neuroscience*, **2011**, 5, 29	3.3	97
91	Episodic memory retrieval, parietal cortex, and the default mode network: functional and topographic analyses. *Journal of Neuroscience*, **2011**, 31, 4407-20	6.6	346
90	A signal-processing pipeline for magnetoencephalography resting-state networks. *Brain Connectivity*, **2011**, 1, 49-59	2.7	71
89	The brain recovery core: building a system of organized stroke rehabilitation and outcomes assessment across the continuum of care. *Journal of Neurologic Physical Therapy*, **2011**, 35, 194-201	4.1	23
88	Neurological principles and rehabilitation of action disorders: computation, anatomy, and physiology (CAP) model. *Neurorehabilitation and Neural Repair*, **2011**, 25, 6S-20S	4.7	46
87	Neurological principles and rehabilitation of action disorders: rehabilitation interventions. *Neurorehabilitation and Neural Repair*, **2011**, 25, 33S-43S	4.7	84
86	Increased functional connectivity indicates the severity of cognitive impairment in multiple sclerosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 19066-71	11.5	201
85	The effect of age on human motor electrocorticographic signals and implications for brain-computer interface applications. *Journal of Neural Engineering*, **2011**, 8, 046013	5	12
84	Neurological principles and rehabilitation of action disorders: common clinical deficits. *Neurorehabilitation and Neural Repair*, **2011**, 25, 21S-32S	4.7	58
83	Neural rehabilitation: action and manipulation. *Neurorehabilitation and Neural Repair*, **2011**, 25, 3S-5S	4.7	4
82	Ten years of Nature Reviews Neuroscience: insights from the highly cited. *Nature Reviews Neuroscience*, **2010**, 11, 718-26	13.5	26
81	Comment on "Modafinil shifts human locus coeruleus to low-tonic, high-phasic activity during functional MRI" and "Homeostatic sleep pressure and responses to sustained attention in the suprachiasmatic area". *Science*, **2010**, 328, 309; author reply 309	33.3	32
80	Right hemisphere dominance during spatial selective attention and target detection occurs outside the dorsal frontoparietal network. *Journal of Neuroscience*, **2010**, 30, 3640-51	6.6	376
79	Topographic organization of macaque area LIP. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 4728-33	11.5	48
78	Attention to memory and the environment: functional specialization and dynamic competition in human posterior parietal cortex. *Journal of Neuroscience*, **2010**, 30, 8445-56	6.6	95

77	Temporal dynamics of spontaneous MEG activity in brain networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6040-5	11.5	531
76	Comment on "Modafinil Shifts Human Locus Coeruleus to Low-Tonic, High-Phasic Activity During Functional MRI" and "Homeostatic Sleep Pressure and Responses to Sustained Attention in the Suprachiasmatic Area". *Science*, **2010**, 328, 309-309	33.3	56
75	Resting interhemispheric functional magnetic resonance imaging connectivity predicts performance after stroke. *Annals of Neurology*, **2010**, 67, 365-75	9.4	498
74	Multimodal integration of fMRI and EEG data for high spatial and temporal resolution analysis of brain networks. *Brain Topography*, **2010**, 23, 150-8	4.3	25
73	Interaction of stimulus-driven reorienting and expectation in ventral and dorsal frontoparietal and basal ganglia-cortical networks. *Journal of Neuroscience*, **2009**, 29, 4392-407	6.6	307
72	Anticipatory and stimulus-evoked blood oxygenation level-dependent modulations related to spatial attention reflect a common additive signal. *Journal of Neuroscience*, **2009**, 29, 10671-82	6.6	63
71	Learning sculpts the spontaneous activity of the resting human brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17558-63	11.5	589
70	Frontoparietal cortex controls spatial attention through modulation of anticipatory alpha rhythms. *Journal of Neuroscience*, **2009**, 29, 5863-72	6.6	334
69	Task-evoked BOLD responses are normal in areas of diaschisis after stroke. *Neurorehabilitation and Neural Repair*, **2009**, 23, 52-7	4.7	10
68	Is the posner reaction time test more accurate than clinical tests in detecting left neglect in acute and chronic stroke?. *Archives of Physical Medicine and Rehabilitation*, **2009**, 90, 2081-8	2.8	70
67	Unravelling nonverbal cognitive performance in acquired aphasiaView all notes. *Aphasiology*, **2009**, 23, 1418-1426	1.6	39
66	Large-scale brain networks account for sustained and transient activity during target detection. *NeuroImage*, **2009**, 44, 265-74	7.9	127
65	Sensory-motor mechanisms in human parietal cortex underlie arbitrary visual decisions. *Nature Neuroscience*, **2008**, 11, 1446-53	25.5	166
64	The reorienting system of the human brain: from environment to theory of mind. *Neuron*, **2008**, 58, 306-24	15.9	2635
63	Top-down control of human visual cortex by frontal and parietal cortex in anticipatory visual spatial attention. *Journal of Neuroscience*, **2008**, 28, 10056-61	6.6	408
62	Anticipatory suppression of nonattended locations in visual cortex marks target location and predicts perception. *Journal of Neuroscience*, **2008**, 28, 6549-56	6.6	47
61	Sequential activation of human oculomotor centers during planning of visually-guided eye movements: a combined fMRI-MEG study. *Frontiers in Human Neuroscience*, **2007**, 1, 1	3.3	25
60	Asymmetry of anticipatory activity in visual cortex predicts the locus of attention and perception. *Journal of Neuroscience*, **2007**, 27, 14424-33	6.6	94

59	Electrophysiological signatures of resting state networks in the human brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 13170-5	11.5	1415
58	Changing human visual field organization from early visual to extra-occipital cortex. *PLoS ONE*, **2007**, 2, e452	3.7	40
57	Anatomical correlates of directional hypokinesia in patients with hemispatial neglect. *Journal of Neuroscience*, **2007**, 27, 4045-51	6.6	59
56	Right TPJ deactivation during visual search: functional significance and support for a filter hypothesis. *Cerebral Cortex*, **2007**, 17, 2625-33	5.1	200
55	The role of impaired neuronal communication in neurological disorders. *Current Opinion in Neurology*, **2007**, 20, 655-60	7.1	102
54	Breakdown of functional connectivity in frontoparietal networks underlies behavioral deficits in spatial neglect. *Neuron*, **2007**, 53, 905-18	13.9	729
53	Attentional selection of moving objects by a serial process. *Vision Research*, **2006**, 46, 3403-12	2.1	14
52	Cerebellar activity switches hemispheres with cerebral recovery in aphasia. *Neuropsychologia*, **2006**, 44, 171-7	3.2	27
51	Distribution of activity across the monkey cerebral cortical surface, thalamus and midbrain during rapid, visually guided saccades. *Cerebral Cortex*, **2006**, 16, 447-59	5.1	76
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7	Recovery of neural dynamics criticality in personalized whole brain models of stroke		2
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1	Effective connectivity inferred from fMRI transition dynamics during movie viewing points to a balanced reconfiguration of cortical interactions	3