

Anthony R McIntosh

List of Publications by Year in descending order

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260
papers

31,219
citations

4658

85
h-index

5539

163
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294
all docs

294
docs citations

294
times ranked

21298
citing authors

#	ARTICLE	IF	CITATIONS
1	Ageing Gracefully: Compensatory Brain Activity in High-Performing Older Adults. <i>NeuroImage</i> , 2002, 17, 1394-1402.	4.2	1,653
2	Emerging concepts for the dynamical organization of resting-state activity in the brain. <i>Nature Reviews Neuroscience</i> , 2011, 12, 43-56.	10.2	1,497
3	Spatial Pattern Analysis of Functional Brain Images Using Partial Least Squares. <i>NeuroImage</i> , 1996, 3, 143-157.	4.2	1,038
4	Partial Least Squares (PLS) methods for neuroimaging: A tutorial and review. <i>NeuroImage</i> , 2011, 56, 455-475.	4.2	1,017
5	Partial least squares analysis of neuroimaging data: applications and advances. <i>NeuroImage</i> , 2004, 23, S250-S263.	4.2	899
6	Age-Related Differences in Neural Activity during Memory Encoding and Retrieval: A Positron Emission Tomography Study. <i>Journal of Neuroscience</i> , 1997, 17, 391-400.	3.6	692
7	Key role of coupling, delay, and noise in resting brain fluctuations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10302-10307.	7.1	681
8	Limbicâ€“frontal circuitry in major depression: a path modeling metaanalysis. <i>NeuroImage</i> , 2004, 22, 409-418.	4.2	674
9	Interactions Between the Nucleus Accumbens and Auditory Cortices Predict Music Reward Value. <i>Science</i> , 2013, 340, 216-219.	12.6	546
10	Noise during Rest Enables the Exploration of the Brain's Dynamic Repertoire. <i>PLoS Computational Biology</i> , 2008, 4, e1000196.	3.2	507
11	Moment-to-moment brain signal variability: A next frontier in human brain mapping?. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 610-624.	6.1	487
12	Evidence from Functional Neuroimaging of a Compensatory Prefrontal Network in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2003, 23, 986-993.	3.6	451
13	Age-related Changes in Brain Activity across the Adult Lifespan. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 227-241.	2.3	426
14	Direct Activation of the Ventral Striatum in Anticipation of Aversive Stimuli. <i>Neuron</i> , 2003, 40, 1251-1257.	8.1	405
15	The Importance of Being Variable. <i>Journal of Neuroscience</i> , 2011, 31, 4496-4503.	3.6	383
16	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. <i>Network Neuroscience</i> , 2020, 4, 30-69.	2.6	364
17	Activation of medial temporal structures during episodic memory retrieval. <i>Nature</i> , 1996, 380, 715-717.	27.8	359
18	Mapping Cognition to the Brain Through Neural Interactions. <i>Memory</i> , 1999, 7, 523-548.	1.7	349

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19	Increased Brain Signal Variability Accompanies Lower Behavioral Variability in Development. PLoS Computational Biology, 2008, 4, e1000106.	3.2	348
20	The Virtual Brain: a simulator of primate brain network dynamics. Frontiers in Neuroinformatics, 2013, 7, 10.	2.5	338
21	Blood Oxygen Level-Dependent Signal Variability Is More than Just Noise. Journal of Neuroscience, 2010, 30, 4914-4921.	3.6	329
22	Resting brains never rest: computational insights into potential cognitive architectures. Trends in Neurosciences, 2013, 36, 268-274.	8.6	321
23	Spatiotemporal analysis of event-related fMRI data using partial least squares. NeuroImage, 2004, 23, 764-775.	4.2	305
24	Functional brain maps of retrieval mode and recovery of episodic information. NeuroReport, 1995, 7, 249-252.	1.2	297
25	General and specific brain regions involved in encoding and retrieval of events: what, where, and when.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11280-11285.	7.1	296
26	A Multivariate Analysis of Age-Related Differences in Default Mode and Task-Positive Networks across Multiple Cognitive Domains. Cerebral Cortex, 2010, 20, 1432-1447.	2.9	286
27	Predictions and the brain: how musical sounds become rewarding. Trends in Cognitive Sciences, 2015, 19, 86-91.	7.8	277
28	A Dual Role for Prediction Error in Associative Learning. Cerebral Cortex, 2009, 19, 1175-1185.	2.9	273
29	Network-Level Structure-Function Relationships in Human Neocortex. Cerebral Cortex, 2016, 26, 3285-3296.	2.9	260
30	A functional anatomical study of associative learning in humans.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8122-8126.	7.1	256
31	Functional Clustering: Identifying Strongly Interactive Brain Regions in Neuroimaging Data. NeuroImage, 1998, 7, 133-149.	4.2	249
32	Characterizing spatial and temporal features of autobiographical memory retrieval networks: a partial least squares approach. NeuroImage, 2004, 23, 1460-1471.	4.2	246
33	Identification of a Functional Connectome for Long-Term Fear Memory in Mice. PLoS Computational Biology, 2013, 9, e1002853.	3.2	246
34	Age-related Changes in Brain Activity across the Adult Lifespan. Journal of Cognitive Neuroscience, 2006, 18, 227-241.	2.3	240
35	A common functional brain network for autobiographical, episodic, and semantic memory retrieval. NeuroImage, 2010, 49, 865-874.	4.2	235
36	Age-related differences in the functional connectivity of the hippocampus during memory encoding. Hippocampus, 2003, 13, 572-586.	1.9	233

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37	The Functional Neuroanatomy of Episodic and Semantic Autobiographical Remembering: A Prospective Functional MRI Study. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 1633-1646.	2.3	225
38	Early Face Processing Specificity: It's in the Eyes!. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1815-1826.	2.3	225
39	The Modulation of BOLD Variability between Cognitive States Varies by Age and Processing Speed. <i>Cerebral Cortex</i> , 2013, 23, 684-693.	2.9	225
40	Neural modeling, functional brain imaging, and cognition. <i>Trends in Cognitive Sciences</i> , 1999, 3, 91-98.	7.8	223
41	Age-Related Changes in Regional Cerebral Blood Flow during Working Memory for Faces. <i>NeuroImage</i> , 1998, 8, 409-425.	4.2	222
42	The Virtual Brain Integrates Computational Modeling and Multimodal Neuroimaging. <i>Brain Connectivity</i> , 2013, 3, 121-145.	1.7	218
43	X-chromosome effects on female brain: a magnetic resonance imaging study of Turner's syndrome. <i>Lancet, The</i> , 1993, 342, 1197-1200.	13.7	214
44	Functional Neuroanatomy of Recall and Recognition: A PET Study of Episodic Memory. <i>Journal of Cognitive Neuroscience</i> , 1997, 9, 254-265.	2.3	214
45	Multivariate Statistical Analyses for Neuroimaging Data. <i>Annual Review of Psychology</i> , 2013, 64, 499-525.	17.7	214
46	The Effects of Divided Attention on Encoding- and Retrieval-Related Brain Activity: A PET Study of Younger and Older Adults. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 775-792.	2.3	208
47	Brain Regions Differentially Involved in Remembering What and When: a PET Study. <i>Neuron</i> , 1997, 19, 863-870.	8.1	186
48	Interactions of Prefrontal Cortex in Relation to Awareness in Sensory Learning. <i>Science</i> , 1999, 284, 1531-1533.	12.6	186
49	Spatiotemporal analysis of experimental differences in event-related potential data with partial least squares. <i>Psychophysiology</i> , 2001, 38, 517-530.	2.4	186
50	Age-related differences in effective neural connectivity during encoding and recall. <i>NeuroReport</i> , 1997, 8, 3479-3483.	1.2	176
51	Task-related activity in prefrontal cortex and its relation to recognition memory performance in young and old adults. <i>Neuropsychologia</i> , 2005, 43, 1466-1481.	1.6	170
52	A multivariate, spatiotemporal analysis of electromagnetic time-frequency data of recognition memory. <i>NeuroImage</i> , 2003, 18, 185-197.	4.2	168
53	Network Structure Shapes Spontaneous Functional Connectivity Dynamics. <i>Journal of Neuroscience</i> , 2015, 35, 5579-5588.	3.6	164
54	Ageing Effects on Whole-Brain Functional Connectivity in Adults Free of Cognitive and Psychiatric Disorders. <i>Cerebral Cortex</i> , 2016, 26, 3851-3865.	2.9	157

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55	The neural correlates of intentional learning of verbal materials: A PET study in humans. <i>Cognitive Brain Research</i> , 1996, 4, 243-249.	3.0	156
56	Neural correlates of the episodic encoding of pictures and words. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 2703-2708.	7.1	150
57	Lateralization and Behavioral Correlation of Changes in Regional Cerebral Blood Flow With Classical Conditioning of the Human Eyeblink Response. <i>Journal of Neurophysiology</i> , 1997, 77, 2153-2163.	1.8	147
58	Relationships Among the Metabolic Patterns That Correlate With Mnemonic, Visuospatial, and Mood Symptoms in Parkinson's Disease. <i>American Journal of Psychiatry</i> , 2002, 159, 746-754.	7.2	147
59	Variability of Brain Signals Processed Locally Transforms into Higher Connectivity with Brain Development. <i>Journal of Neuroscience</i> , 2011, 31, 6405-6413.	3.6	145
60	Quantifying Head Motion Associated with Motor Tasks Used in fMRI. <i>NeuroImage</i> , 2001, 14, 284-297.	4.2	143
61	Structural modeling of functional neural pathways mapped with 2-deoxyglucose: effects of acoustic startle habituation on the auditory system. <i>Brain Research</i> , 1991, 547, 295-302.	2.2	142
62	Corticolimbic Interactions Associated with Performance on a Short-Term Memory Task Are Modified by Age. <i>Journal of Neuroscience</i> , 2000, 20, 8410-8416.	3.6	139
63	Network Analysis of Positron Emission Tomography Regional Cerebral Blood Flow Data: Ensemble Inhibition during Episodic Memory Retrieval. <i>Journal of Neuroscience</i> , 1996, 16, 3753-3759.	3.6	138
64	Large Scale Neurocognitive Networks Underlying Episodic Memory. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 163-173.	2.3	138
65	Identification of Optimal Structural Connectivity Using Functional Connectivity and Neural Modeling. <i>Journal of Neuroscience</i> , 2014, 34, 7910-7916.	3.6	138
66	Inferring multi-scale neural mechanisms with brain network modelling. <i>ELife</i> , 2018, 7, .	6.0	137
67	Brain Noise Is Task Dependent and Region Specific. <i>Journal of Neurophysiology</i> , 2010, 104, 2667-2676.	1.8	135
68	An automated pipeline for constructing personalized virtual brains from multimodal neuroimaging data. <i>NeuroImage</i> , 2015, 117, 343-357.	4.2	132
69	Clustered functional MRI of overt speech production. <i>NeuroImage</i> , 2006, 32, 376-387.	4.2	128
70	The Relation Between Brain Activity During Memory Tasks and Years of Education in Young and Older Adults. <i>Neuropsychology</i> , 2005, 19, 181-192.	1.3	127
71	Contexts and Catalysts: A Resolution of the Localization and Integration of Function in the Brain. <i>Neuroinformatics</i> , 2004, 2, 175-182.	2.8	122
72	Cortical network dynamics with time delays reveals functional connectivity in the resting brain. <i>Cognitive Neurodynamics</i> , 2008, 2, 115-120.	4.0	121

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73	Differential maturation of brain signal complexity in the human auditory and visual system. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 48.	2.0	121
74	An Empirical Comparison of SPM Preprocessing Parameters to the Analysis of fMRI Data. <i>NeuroImage</i> , 2002, 17, 19-28.	4.2	116
75	Confounding effects of indirect connections on causality estimation. <i>Journal of Neuroscience Methods</i> , 2009, 184, 152-160.	2.5	116
76	Network analysis of PET-mapped visual pathways in Alzheimer type dementia. <i>NeuroReport</i> , 1995, 6, 2287-2292.	1.2	113
77	The functional anatomy of parkinsonian bradykinesia. <i>NeuroImage</i> , 2003, 19, 163-179.	4.2	113
78	Stable long-range interhemispheric coordination is supported by direct anatomical projections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6473-6478.	7.1	110
79	Functional Connectivity of the Medial Temporal Lobe Relates to Learning and Awareness. <i>Journal of Neuroscience</i> , 2003, 23, 6520-6528.	3.6	108
80	Communication Efficiency and Congestion of Signal Traffic in Large-Scale Brain Networks. <i>PLoS Computational Biology</i> , 2014, 10, e1003427.	3.2	107
81	Information Processing Architecture of Functionally Defined Clusters in the Macaque Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 17465-17476.	3.6	106
82	Brain Signal Variability is Parametrically Modifiable. <i>Cerebral Cortex</i> , 2014, 24, 2931-2940.	2.9	105
83	Networks of domain-specific and general regions involved in episodic memory for spatial location and object identity. <i>Neuropsychologia</i> , 1998, 36, 129-142.	1.6	102
84	The Talairach coordinate of a point in the MNI space: how to interpret it. <i>NeuroImage</i> , 2005, 25, 408-416.	4.2	101
85	Fractionation and Localization of Distinct Frontal Lobe Processes: Evidence from Focal Lesions in Humans. , 2002, , 392-407.		101
86	The Rediscovery of Slowness: Exploring the Timing of Cognition. <i>Trends in Cognitive Sciences</i> , 2015, 19, 616-628.	7.8	98
87	Visual dominance and multisensory integration changes with age. <i>NeuroImage</i> , 2013, 65, 152-166.	4.2	96
88	Maturation of EEG power spectra in early adolescence: a longitudinal study. <i>Developmental Science</i> , 2011, 14, 935-943.	2.4	94
89	Improving permutation test power for group analysis of spatially filtered MEG data. <i>NeuroImage</i> , 2004, 23, 983-996.	4.2	92
90	Cognitive Subtractions May Not Add Up: The Interaction between Semantic Processing and Response Mode. <i>NeuroImage</i> , 1997, 5, 229-239.	4.2	89

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91	Relating brain signal variability to knowledge representation. <i>NeuroImage</i> , 2012, 63, 1384-1392.	4.2	89
92	A Network Convergence Zone in the Hippocampus. <i>PLoS Computational Biology</i> , 2014, 10, e1003982.	3.2	89
93	Overrecruitment in the Aging Brain as a Function of Task Demands: Evidence for a Compensatory View. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 801-815.	2.3	88
94	Structural architecture supports functional organization in the human aging brain at a regionwise and network level. <i>Human Brain Mapping</i> , 2016, 37, 2645-2661.	3.6	88
95	Overlap in the Functional Neural Systems Involved in Semantic and Episodic Memory Retrieval. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 470-482.	2.3	86
96	Unique Mapping of Structural and Functional Connectivity on Cognition. <i>Journal of Neuroscience</i> , 2018, 38, 9658-9667.	3.6	86
97	When Time Shapes Behavior: fMRI Evidence of Brain Correlates of Temporal Monitoring. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1116-1126.	2.3	83
98	Linking Molecular Pathways and Large-Scale Computational Modeling to Assess Candidate Disease Mechanisms and Pharmacodynamics in Alzheimer's Disease. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 54.	2.1	83
99	Does resting-state connectivity reflect depressive rumination? A tale of two analyses. <i>NeuroImage</i> , 2014, 103, 267-279.	4.2	82
100	Bottom up modeling of the connectome: Linking structure and function in the resting brain and their changes in aging. <i>NeuroImage</i> , 2013, 80, 318-329.	4.2	81
101	The Role of Anterior Cingulate Cortex in Working Memory is Shaped by Functional Connectivity. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 1026-1042.	2.3	80
102	Selective Activation of Resting-State Networks following Focal Stimulation in a Connectome-Based Network Model of the Human Brain. <i>ENeuro</i> , 2016, 3, ENEURO.0068-16.2016.	1.9	80
103	Memory encoding and hippocampally-based novelty/familiarity discrimination networks. <i>Neuropsychologia</i> , 2003, 41, 271-279.	1.6	78
104	Neural Mechanisms of Resistance to Peer Influence in Early Adolescence. <i>Journal of Neuroscience</i> , 2007, 27, 8040-8045.	3.6	77
105	Time Course of Changes in Brain Activity and Functional Connectivity Associated With Long-Term Adaptation to a Rotational Transformation. <i>Journal of Neurophysiology</i> , 2005, 93, 2254-2262.	1.8	76
106	Past Experience Modulates the Neural Mechanisms of Episodic Memory Formation. <i>Journal of Neuroscience</i> , 2010, 30, 4707-4716.	3.6	76
107	Network analysis of brain cognitive function using metabolic and blood flow data. <i>Behavioural Brain Research</i> , 1995, 66, 187-193.	2.2	75
108	Positron emission tomography correlations in and beyond medial temporal lobes. <i>Hippocampus</i> , 1999, 9, 71-82.	1.9	73

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109	Functional embedding predicts the variability of neural activity. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 90.	2.5	73
110	A cross-modal, cross-species comparison of connectivity measures in the primate brain. <i>NeuroImage</i> , 2016, 125, 311-331.	4.2	73
111	The effects of physiologically plausible connectivity structure on local and global dynamics in large scale brain models. <i>Journal of Neuroscience Methods</i> , 2009, 183, 86-94.	2.5	72
112	Groupwise independent component decomposition of EEG data and partial least square analysis. <i>NeuroImage</i> , 2007, 35, 1103-1112.	4.2	71
113	Brain signal variability relates to stability of behavior after recovery from diffuse brain injury. <i>NeuroImage</i> , 2012, 60, 1528-1537.	4.2	70
114	Oligodendrocyte Genes, White Matter Tract Integrity, and Cognition in Schizophrenia. <i>Cerebral Cortex</i> , 2013, 23, 2044-2057.	2.9	69
115	Dynamic Functional Connectivity between order and randomness and its evolution across the human adult lifespan. <i>NeuroImage</i> , 2020, 222, 117156.	4.2	67
116	“My Virtual Dream”™: Collective Neurofeedback in an Immersive Art Environment. <i>PLoS ONE</i> , 2015, 10, e0130129.	2.5	65
117	Temporal preparation in aging: A functional MRI study. <i>Neuropsychologia</i> , 2009, 47, 2876-2881.	1.6	64
118	Age-related differences in processing irrelevant information: Evidence from event-related potentials. <i>Neuropsychologia</i> , 2009, 47, 577-586.	1.6	63
119	Hundreds of brain maps in one atlas: Registering coordinate-independent primate neuro-anatomical data to a standard brain. <i>NeuroImage</i> , 2012, 62, 67-76.	4.2	62
120	Encoding the future: Successful processing of intentions engages predictive brain networks. <i>NeuroImage</i> , 2010, 49, 905-913.	4.2	61
121	The co-occurrence of multisensory facilitation and cross-modal conflict in the human brain. <i>Journal of Neurophysiology</i> , 2011, 106, 2896-2909.	1.8	61
122	Functional Mechanisms of Recovery after Chronic Stroke: Modeling with the Virtual Brain. <i>ENeuro</i> , 2016, 3, ENEURO.0158-15.2016.	1.9	61
123	Understanding Neural Interactions in Learning and Memory Using Functional Neuroimaging. <i>Annals of the New York Academy of Sciences</i> , 1998, 855, 556-571.	3.8	59
124	Neural correlates of semantic associative encoding in episodic memory. <i>Cognitive Brain Research</i> , 2000, 9, 271-280.	3.0	57
125	A macaque connectome for large-scale network simulations in TheVirtualBrain. <i>Scientific Data</i> , 2019, 6, 123.	5.3	56
126	Functional network differences in schizophrenia. <i>NeuroReport</i> , 1998, 9, 1697-1700.	1.2	55

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127	Functional connectivity-based subtypes of individuals with and without autism spectrum disorder. <i>Network Neuroscience</i> , 2019, 3, 344-362.	2.6	55
128	Multivariate analysis of neuronal interactions in the generalized partial least squares framework: simulations and empirical studies. <i>NeuroImage</i> , 2003, 20, 625-642.	4.2	54
129	An integrative MEG-fMRI study of the primary somatosensory cortex using cross-modal correspondence analysis. <i>NeuroImage</i> , 2004, 22, 120-133.	4.2	54
130	Explicit versus implicit gaze processing assessed by ERPs. <i>Brain Research</i> , 2007, 1177, 79-89.	2.2	54
131	Exploring transient transfer entropy based on a group-wise ICA decomposition of EEG data. <i>NeuroImage</i> , 2010, 49, 1593-1600.	4.2	54
132	Prefrontal Compensatory Engagement in TBI is due to Altered Functional Engagement Of Existing Networks and not Functional Reorganization. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 9.	2.5	54
133	Modulation of effective connectivity by cognitive demand in phonological verbal fluency. <i>NeuroImage</i> , 2006, 30, 266-271.	4.2	52
134	An Anatomical Interface between Memory and Oculomotor Systems. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1772-1783.	2.3	52
135	How time modulates spatial responses. <i>Cortex</i> , 2011, 47, 148-156.	2.4	49
136	The Virtual Brain: Modeling Biological Correlates of Recovery after Chronic Stroke. <i>Frontiers in Neurology</i> , 2015, 6, 228.	2.4	48
137	The effects of aging on visual memory: evidence for functional reorganization of cortical networks. <i>Acta Psychologica</i> , 2001, 107, 249-273.	1.5	47
138	Using the Virtual Brain to Reveal the Role of Oscillations and Plasticity in Shaping Brain's Dynamical Landscape. <i>Brain Connectivity</i> , 2014, 4, 791-811.	1.7	47
139	Network analysis of functional auditory pathways mapped with fluorodeoxyglucose: associative effects of a tone conditioned as a Pavlovian excitator or inhibitor. <i>Brain Research</i> , 1993, 627, 129-140.	2.2	46
140	The Neural Correlates of Memory for a Life-Threatening Event. <i>Clinical Psychological Science</i> , 2016, 4, 312-319.	4.0	46
141	Episodic encoding and recognition of pictures and words: role of the human medial temporal lobes. <i>Acta Psychologica</i> , 2000, 105, 159-179.	1.5	44
142	An Examination of the Effects of Stimulus Type, Encoding Task, and Functional Connectivity on the Role of Right Prefrontal Cortex in Recognition Memory. <i>NeuroImage</i> , 2001, 14, 556-571.	4.2	44
143	PET activation studies comparing two speech tasks widely used in surgical mapping. <i>Brain and Language</i> , 2003, 85, 245-261.	1.6	44
144	The Functional Connectivity Landscape of the Human Brain. <i>PLoS ONE</i> , 2014, 9, e1111007.	2.5	44

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145	Distinct functional networks associated with improvement of affective symptoms and cognitive function during citalopram treatment in geriatric depression. <i>Human Brain Mapping</i> , 2011, 32, 1677-1691.	3.6	43
146	BOLD signal variability and complexity in children and adolescents with and without autism spectrum disorder. <i>Developmental Cognitive Neuroscience</i> , 2019, 36, 100630.	4.0	43
147	Spatiotemporal Analysis of Auditory "What" and "Where" Working Memory. <i>Cerebral Cortex</i> , 2009, 19, 305-314.	2.9	42
148	Post-Traumatic Stress Constrains the Dynamic Repertoire of Neural Activity. <i>Journal of Neuroscience</i> , 2016, 36, 419-431.	3.6	42
149	Brain simulation as a cloud service: The Virtual Brain on EBRAINS. <i>NeuroImage</i> , 2022, 251, 118973.	4.2	42
150	Age-related differences in brain activity during verbal recency memory. <i>Brain Research</i> , 2008, 1199, 111-125.	2.2	41
151	Empirical and theoretical aspects of generation and transfer of information in a neuromagnetic source network. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 96.	2.5	41
152	Why is the meaning of a sentence better remembered than its form? An fMRI study on the role of noveltyâ€œencoding processes. <i>Hippocampus</i> , 2008, 18, 909-918.	1.9	40
153	fMRI evidence of a functional network setting the criteria for withholding a response. <i>NeuroImage</i> , 2009, 45, 537-548.	4.2	39
154	Semantic information alters neural activation during transverse patterning performance. <i>NeuroImage</i> , 2009, 46, 863-873.	4.2	39
155	Aberrant Effective Connectivity in Schizophrenia Patients during Appetitive Conditioning. <i>Frontiers in Human Neuroscience</i> , 2011, 4, 239.	2.0	39
156	Structural modeling of functional visual pathways mapped with 2-deoxyglucose: effects of patterned light and footshock. <i>Brain Research</i> , 1992, 578, 75-86.	2.2	38
157	fMRI investigation of speedâ€œaccuracy strategy switching. <i>Human Brain Mapping</i> , 2012, 33, 1677-1688.	3.6	38
158	Coordinated Information Generation and Mental Flexibility: Large-Scale Network Disruption in Children with Autism. <i>Cerebral Cortex</i> , 2015, 25, 2815-2827.	2.9	38
159	Dimensionality of brain networks linked to life-long individual differences in self-control. <i>Nature Communications</i> , 2013, 4, 1373.	12.8	37
160	Functional network interactions between parallel auditory pathways during Pavlovian conditioned inhibition. <i>Brain Research</i> , 1995, 683, 228-241.	2.2	36
161	Task-Independent Effect of Time on rCBF. <i>NeuroImage</i> , 1998, 7, 314-325.	4.2	36
162	Age effects on the asymmetry of the motor system: Evidence from cortical oscillatory activity. <i>Biological Psychology</i> , 2010, 85, 213-218.	2.2	36

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163	Frontotemporal interactions in face encoding and recognition. <i>Cognitive Brain Research</i> , 1999, 8, 259-269.	3.0	35
164	Age-related Multiscale Changes in Brain Signal Variability in Pre-task versus Post-task Resting-state EEG. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 971-984.	2.3	35
165	The Role of Neural Context in Large-Scale Neurocognitive Network Operations. <i>Understanding Complex Systems</i> , 2007, , 403-419.	0.6	35
166	Testing effective connectivity changes with structural equation modeling: What does a bad model tell us?. <i>Human Brain Mapping</i> , 2006, 27, 935-947.	3.6	34
167	The hidden repertoire of brain dynamics and dysfunction. <i>Network Neuroscience</i> , 2019, 3, 994-1008.	2.6	33
168	Brain cognition and metabolism in Down syndrome adults in association with development of dementia. <i>NeuroReport</i> , 1996, 7, 2933-2936.	1.2	32
169	Simulation of Neuronal Death and Network Recovery in a Computational Model of Distributed Cortical Activity. <i>American Journal of Geriatric Psychiatry</i> , 2009, 17, 210-217.	1.2	32
170	Two Distinct Functional Networks for Successful Resolution of Proactive Interference. <i>Cerebral Cortex</i> , 2007, 17, 1650-1663.	2.9	31
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