Mark D'Esposito

List of Publications by Year
in descending order

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267 papers	39,633 citations	2100 100 h-index	3105 187 g-index
311 all docs	311 docs citations	311 times ranked	26541 citing authors

#	Article	IF	Citations
1	Persistent activity in the prefrontal cortex during working memory. Trends in Cognitive Sciences, 2003, 7, 415-423.	7.8	1,639
2	The neural basis of the central executive system of working memory. Nature, 1995, 378, 279-281.	27.8	1,397
3	Inverted-Uâ€“Shaped Dopamine Actions on Human Working Memory and Cognitive Control. Biological Psychiatry, 2011, 69, e113-e125.	1.3	1,315
4	The Cognitive Neuroscience of Working Memory. Annual Review of Psychology, 2015, 66, 115-142.	17.7	1,025
5	Variation of BOLD hemodynamic responses across subjects and brain regions and their effects on statistical analyses. NeuroImage, 2004, 21, 1639-1651.	4.2	852
6	Measuring functional connectivity during distinct stages of a cognitive task. NeuroImage, 2004, 23, 752-763.	4.2	809
7	Top-down suppression deficit underlies working memory impairment in normal aging. Nature Neuroscience, 2005, 8, 1298-1300.	14.8	788
8	Is the rostro-caudal axis of the frontal lobe hierarchical?. Nature Reviews Neuroscience, 2009, 10, 659-669.	10.2	773
9	Prefrontal cortical contributions to working memory: evidence from event-related fMRI studies. Experimental Brain Research, 2000, 133, 3-11.	1.5	757
10	Alterations in the BOLD fMRI signal with ageing and disease: a challenge for neuroimaging. Nature Reviews Neuroscience, 2003, 4, 863-872.	10.2	734
11	From cognitive to neural models of working memory. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 761-772.	4.0	620
12	The Segregation and Integration of Distinct Brain Networks and Their Relationship to Cognition. Journal of Neuroscience, 2016, 36, 12083-12094.	3.6	596
13	Dissociable correlates of recollection and familiarity within the medial temporal lobes. Neuropsychologia, 2004, 42, 2-13.	1.6	593
14	Functional Magnetic Resonance Imaging Evidence for a Hierarchical Organization of the Prefrontal Cortex. Journal of Cognitive Neuroscience, 2007, 19, 2082-2099.	2.3	519
15	The neural correlates of direct and reflected self-knowledge. NeuroImage, 2005, 28, 797-814.	4.2	510
16	Isolating the neural mechanisms of age-related changes in human working memory. Nature Neuroscience, 2000, 3, 509-515.	14.8	505
17	Effects of Repetition and Competition on Activity in Left Prefrontal Cortex during Word Generation. Neuron, 1999, 23, 513-522.	8.1	495
18	The modular and integrative functional architecture of the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6798-807.	7.1	474

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19	The Human Thalamus Is an Integrative Hub for Functional Brain Networks. Journal of Neuroscience, 2017, 37, 5594-5607.	3.6	458
20	Region-specific changes in prefrontal function with age: a review of PET and fMRI studies on working and episodic memory. Brain, 2005, 128, 1964-1983.	7.6	451
21	The Effect of Normal Aging on the Coupling of Neural Activity to the Bold Hemodynamic Response. NeuroImage, 1999, 10, 6-14.	4.2	440
22	A Trial-Based Experimental Design for fMRI. NeuroImage, 1997, 6, 122-138.	4.2	428
23	Top-down Enhancement and Suppression of the Magnitude and Speed of Neural Activity. Journal of Cognitive Neuroscience, 2005, 17, 507-517.	2.3	403
24	Prefrontal activity associated with working memory and episodic long-term memory. Neuropsychologia, 2003, 41, 378-389.	1.6	391
25	Revisiting the role of persistent neural activity during working memory. Trends in Cognitive Sciences, 2014, 18, 82-89.	7.8	385
26	Measuring interregional functional connectivity using coherence and partial coherence analyses of fMRI data. NeuroImage, 2004, 21, 647-658.	4.2	382
27	Age-related top-down suppression deficit in the early stages of cortical visual memory processing. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13122-13126.	7.1	382
28	Medial Temporal Lobe Activity Associated with Active Maintenance of Novel Information. Neuron, 2001, 31, 865-873.	8.1	357
29	The Influence of Working-Memory Demand and Subject Performance on Prefrontal Cortical Activity. Journal of Cognitive Neuroscience, 2002, 14, 721-731.	2.3	328
30	The Search for the Phonological Store: From Loop to Convolution. Journal of Cognitive Neuroscience, 2008, 20, 762-778.	2.3	322
31	Focal Brain Lesions to Critical Locations Cause Widespread Disruption of the Modular Organization of the Brain. Journal of Cognitive Neuroscience, 2012, 24, 1275-1285.	2.3	318
32	Striatal Dopamine Predicts Outcome-Specific Reversal Learning and Its Sensitivity to Dopaminergic Drug Administration. Journal of Neuroscience, 2009, 29, 1538-1543.	3.6	315
33	Inferior Temporal, Prefrontal, and Hippocampal Contributions to Visual Working Memory Maintenance and Associative Memory Retrieval. Journal of Neuroscience, 2004, 24, 3917-3925.	3.6	308
34	Estrogen Shapes Dopamine-Dependent Cognitive Processes: Implications for Women's Health. Journal of Neuroscience, 2011, 31, 5286-5293.	3.6	304
35	Neural correlates of cognitive efficiency. NeuroImage, 2006, 33, 969-979.	4.2	299
36	Functional connectivity during working memory maintenance. Cognitive, Affective and Behavioral Neuroscience, 2004, 4, 580-599.	2.0	295

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37	Impulsive Responding in Alcoholics. Alcoholism: Clinical and Experimental Research, 2005, 29, 2158-2169.	2.4	286
38	Functional Characterization of the Cingulo-Opercular Network in the Maintenance of Tonic Alertness. Cerebral Cortex, 2015, 25, 2763-2773.	2.9	279
39	Immediate Reward Bias in Humans: Fronto-Parietal Networks and a Role for the Catechol-O-Methyltransferase 158^{Val/Val}Genotype. Journal of Neuroscience, 2007, 27, 14383-14391.	3.6	276
40	Maintenance of Spatial and Motor Codes during Oculomotor Delayed Response Tasks. Journal of Neuroscience, 2004, 24, 3944-3952.	3.6	273
41	Reversal learning in Parkinson's disease depends on medication status and outcome valence. Neuropsychologia, 2006, 44, 1663-1673.	1.6	272
42	Frontal Cortex and the Discovery of Abstract Action Rules. Neuron, 2010, 66, 315-326.	8.1	272
43	Working Memory Capacity Predicts Dopamine Synthesis Capacity in the Human Striatum. Journal of Neuroscience, 2008, 28, 1208-1212.	3.6	264
44	Conduction aphasia, sensory-motor integration, and phonological short-term memory â€“ An aggregate analysis of lesion and fMRI data. Brain and Language, 2011, 119, 119-128.	1.6	261
45	Searching for â€œthe Topâ€•in Top-Down Control. Neuron, 2005, 48, 535-538.	8.1	260
46	Effects of frontal lobe damage on interference effects in working memory. Cognitive, Affective and Behavioral Neuroscience, 2002, 2, 109-120.	2.0	250
47	Working memory impairments in traumatic brain injury: evidence from a dual-task paradigm. Neuropsychologia, 1997, 35, 1341-1353.	1.6	248
48	Aging and reflective processes of working memory: Binding and test load deficits.. Psychology and Aging, 2000, 15, 527-541.	1.6	246
49	Impulsive Personality Predicts Dopamine-Dependent Changes in Frontostriatal Activity during Component Processes of Working Memory. Journal of Neuroscience, 2007, 27, 5506-5514.	3.6	239
50	Functional Magnetic Resonance Imaging of Regional Brain Activity in Patients with Intracerebral Gliomas: Findings and Implications for Clinical Management. Neurosurgery, 1996, 38, 329-338.	1.1	237
51	Functional Interactions between Prefrontal and Visual Association Cortex Contribute to Top-Down Modulation of Visual Processing. Cerebral Cortex, 2007, 17, i125-i135.	2.9	229
52	Alpha-Band Phase Synchrony Is Related to Activity in the Fronto-Parietal Adaptive Control Network. Journal of Neuroscience, 2012, 32, 14305-14310.	3.6	229
53	Ongoing dynamics in large-scale functional connectivity predict perception. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8463-8468.	7.1	229
54	â€œWhatâ€â€”Thenâ€”â€œWhereâ€•in Visual Working Memory: An Event-Related fMRI Study. Journal of Cognitive Neuroscience, 1999, 11, 585-597.	2.3	226

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55	Hierarchical cognitive control deficits following damage to the human frontal lobe. Nature Neuroscience, 2009, 12, 515-522.	14.8	217
56	Directing the mind's eye: prefrontal, inferior and medial temporal mechanisms for visual working memory. Current Opinion in Neurobiology, 2005, 15, 175-182.	4.2	208
57	Progressive Nonfluent Aphasia: Language, Cognitive, and PET Measures Contrasted with Probable Alzheimer's Disease. Journal of Cognitive Neuroscience, 1996, 8, 135-154.	2.3	204
58	Left Anterior Prefrontal Activation Increases with Demands to Recall Specific Perceptual Information. Journal of Neuroscience, 2000, 20, RC108-RC108.	3.6	197
59	Mentalizing about emotion and its relationship to empathy. Social Cognitive and Affective Neuroscience, 2008, 3, 204-217.	3.0	197
60	Rapid Prefrontal-Hippocampal Habituation to Novel Events. Journal of Neuroscience, 2004, 24, 5356-5363.	3.6	193
61	Success and Failure Suppressing Reflexive Behavior. Journal of Cognitive Neuroscience, 2003, 15, 409-418.	2.3	190
62	Frontal Networks for Learning and Executing Arbitrary Stimulus-Response Associations. Journal of Neuroscience, 2005, 25, 2723-2732.	3.6	189
63	Category-specific modulation of inferior temporal activity during working memory encoding and maintenance. Cognitive Brain Research, 2004, 20, 37-45.	3.0	188
64	Dissecting Contributions of Prefrontal Cortex and Fusiform Face Area to Face Working Memory. Journal of Cognitive Neuroscience, 2003, 15, 771-784.	2.3	187
65	A mechanistic model of connector hubs, modularity and cognition. Nature Human Behaviour, 2018, 2, 765-777.	12.0	187
66	The salience network causally influences default mode network activity during moral reasoning. Brain, 2013, 136, 1929-1941.	7.6	180
67	Event-related functional MRI: Implications for cognitive psychology.. Psychological Bulletin, 1999, 125, 155-164.	6.1	175
68	Oscillatory dynamics coordinating human frontal networks in support of goal maintenance. Nature Neuroscience, 2015, 18, 1318-1324.	14.8	173
69	Top-Down Modulation and Normal Aging. Annals of the New York Academy of Sciences, 2007, 1097, 67-83.	3.8	172
70	Double dissociation of two cognitive control networks in patients with focal brain lesions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12017-12022.	7.1	169
71	The Impact of Social Disparity on Prefrontal Function in Childhood. PLoS ONE, 2012, 7, e35744.	2.5	168
72	The role of PFC networks in cognitive control and executive function. Neuropsychopharmacology, 2022, 47, 90-103.	5.4	166

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73	Neural activity during social signal perception correlates with self-reported empathy. Brain Research, 2010, 1308, 100-113.	2.2	159
74	The continuing challenge of understanding and modeling hemodynamic variation in fMRI. NeuroImage, 2012, 62, 1017-1023.	4.2	159
75	Functional Connectivity of Cortical Networks Involved in Bimanual Motor Sequence Learning. Cerebral Cortex, 2006, 17, 1227-1234.	2.9	158
76	The hierarchical organization of the lateral prefrontal cortex. ELife, 2016, 5, .	6.0	155
77	Serial dependence is absent at the time of perception but increases in visual working memory. Scientific Reports, 2017, 7, 14739.	3.3	152
78	Causal Evidence for a Role of Theta and Alpha Oscillations in the Control of Working Memory. Current Biology, 2020, 30, 1748-1754.e4.	3.9	149
79	Seeking the Neural Substrates of Visual Working Memory Storage. Cortex, 2003, 39, 927-946.	2.4	148
80	Reward modulation of prefrontal and visual association cortex during an incentive working memory task. Brain Research, 2007, 1141, 168-177.	2.2	148
81	The Dynamic Nature of Top-Down Signals Originating from Prefrontal Cortex: A Combined fMRIâ€“TMS Study. Journal of Neuroscience, 2012, 32, 15458-15466.	3.6	148
82	Using event-related fMRI to assess delay-period activity during performance of spatial and nonspatial working memory tasks. Brain Research Protocols, 2000, 5, 57-66.	1.6	146
83	Causal evidence for frontal cortex organization for perceptual decision making. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6059-6064.	7.1	145
84	A functional MRI study of the influence of practice on component processes of working memory. NeuroImage, 2004, 22, 211-221.	4.2	144
85	Activity in Human Frontal Cortex Associated with Spatial Working Memory and Saccadic Behavior. Journal of Cognitive Neuroscience, 2000, 12, 2-14.	2.3	140
86	A Functional Role for the Motor System in Language Understanding. Psychological Science, 2011, 22, 849-854.	3.3	133
87	Dissociation of human caudate nucleus activity in spatial and nonspatial working memory: an event-related fMRI study. Cognitive Brain Research, 1999, 8, 107-115.	3.0	130
88	Reducing vascular variability of fMRI data across aging populations using a breathholding task. Human Brain Mapping, 2007, 28, 846-859.	3.6	129
89	Functional brain network modularity predicts response to cognitive training after brain injury. Neurology, 2015, 84, 1568-1574.	1.1	127
90	Temporal isolation of the neural correlates of spatial mnemonic processing with fMRI. Cognitive Brain Research, 1999, 7, 255-268.	3.0	126

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91	Individual capacity differences predict working memory performance and prefrontal activity following dopamine receptor stimulation. Cognitive, Affective and Behavioral Neuroscience, 2005, 5, 212-221.	2.0	126
92	Top-down flow of visual spatial attention signals from parietal to occipital cortex. Journal of Vision, 2009, 9, 18-18.	0.3	126
93	Canceling Planned Action: An fMRI Study of Countermanding Saccades. Cerebral Cortex, 2005, 15, 1281-1289.	2.9	123
94	The what, where and how of delay activity. Nature Reviews Neuroscience, 2019, 20, 466-481.	10.2	122
95	Dynamic Adjustments in Prefrontal, Hippocampal, and Inferior Temporal Interactions with Increasing Visual Working Memory Load. Cerebral Cortex, 2008, 18, 1618-1629.	2.9	121
96	Impaired Prefrontal-Basal Ganglia Functional Connectivity and Substantia Nigra Hyperactivity in Schizophrenia. Biological Psychiatry, 2013, 74, 122-129.	1.3	120
97	Differential effects of distraction during working memory on delay-period activity in the prefrontal cortex and the visual association cortex. NeuroImage, 2006, 29, 1117-1126.	4.2	119
98	Confidence Leak in Perceptual Decision Making. Psychological Science, 2015, 26, 1664-1680.	3.3	119
99	Neural Evidence for Representation-Specific Response Selection. Journal of Cognitive Neuroscience, 2003, 15, 1111-1121.	2.3	117
100	Longitudinal Evidence for Functional Specialization of the Neural Circuit Supporting Working Memory in the Human Brain. Journal of Neuroscience, 2010, 30, 11062-11067.	3.6	117
101	Cognitive effects of the dopamine receptor agonist pergolide. Neuropsychologia, 2003, 41, 1020-1027.	1.6	116
102	Dissociating Age-related Changes in Cognitive Strategy and Neural Efficiency Using Event- related fMRI. Cortex, 2005, 41, 582-594.	2.4	115
103	A brief thought can modulate activity in extrastriate visual areas: Top-down effects of refreshing just-seen visual stimuli. NeuroImage, 2007, 37, 290-299.	4.2	115
104	Distributed and Dynamic Storage of Working Memory Stimulus Information in Extrastriate Cortex. Journal of Cognitive Neuroscience, 2014, 26, 1141-1153.	2.3	113
105	The Functional Anatomy of a Perceptual Decision in the Human Brain. Journal of Neurophysiology, 2010, 103, 1179-1194.	1.8	109
106	Rehabilitation of Executive Functioning With Training in Attention Regulation Applied to Individually Defined Goals. Journal of Head Trauma Rehabilitation, 2011, 26, 325-338.	1.7	107
107	Brain Modularity: A Biomarker of Intervention-related Plasticity. Trends in Cognitive Sciences, 2019, 23, 293-304.	7.8	107
108	The neural effect of stimulus-response modality compatibility on dual-task performance: an fMRI study. Psychological Research, 2006, 70, 514-525.	1.7	106

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109	The effects of prefrontal lesions on working memory performance and theory. Cognitive, Affective and Behavioral Neuroscience, 2004, 4, 528-539.	2.0	105
110	The effect of theta-burst TMS on cognitive control networks measured with resting state fMRI. Frontiers in Systems Neuroscience, 2013, 7, 124.	2.5	105
111	The influence of personality on neural mechanisms of observational fear and reward learning. Neuropsychologia, 2008, 46, 2709-2724.	1.6	102
112	The Prefrontal Cortex Modulates Category Selectivity in Human Extrastriate Cortex. Journal of Cognitive Neuroscience, 2011, 23, 1-10.	2.3	101
113	Hippocampal-targeted Theta-burst Stimulation Enhances Associative Memory Formation. Journal of Cognitive Neuroscience, 2018, 30, 1452-1472.	2.3	98
114	Functional Plasticity in Ventral Temporal Cortex following Cognitive Rehabilitation of a Congenital Prosopagnosic. Journal of Cognitive Neuroscience, 2007, 19, 1790-1802.	2.3	97
115	Modulation of Inferotemporal Cortex Activation during Verbal Working Memory Maintenance. Neuron, 2006, 51, 251-261.	8.1	96
116	Flexible Coding of Visual Working Memory Representations during Distraction. Journal of Neuroscience, 2018, 38, 5267-5276.	3.6	95
117	Training of goal-directed attention regulation enhances control over neural processing for individuals with brain injury. Brain, 2011, 134, 1541-1554.	7.6	94
118	A simple method for detecting chaos in nature. Communications Biology, 2020, 3, 11.	4.4	92
119	Cortical effects of bromocriptine, a D-2 dopamine receptor agonist, in human subjects, revealed by fMRI. Human Brain Mapping, 2001, 12, 246-257.	3.6	91
120	Semantic Processing and Orthographic Specificity in Hemispatial Neglect. Journal of Cognitive Neuroscience, 1996, 8, 291-304.	2.3	90
121	Modular Brain Network Organization Predicts Response to Cognitive Training in Older Adults. PLoS ONE, 2016, 11, e0169015.	2.5	89
122	Cholinergic Enhancement Reduces Spatial Spread of Visual Responses in Human Early Visual Cortex. Neuron, 2008, 60, 904-914.	8.1	88
123	Efficiency of the Prefrontal Cortex During Working Memory in Attention-Deficit/Hyperactivity Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2007, 46, 1357-1366.	0.5	87
124	Group comparisons: imaging the aging brain. Social Cognitive and Affective Neuroscience, 2008, 3, 290-297.	3.0	87
125	Endogenous Opioid Blockade and Impulsive Responding in Alcoholics and Healthy Controls. Neuropsychopharmacology, 2007, 32, 439-449.	5.4	86
126	The effect of non-visual working memory load on top-down modulation of visual processing. Neuropsychologia, 2009, 47, 1637-1646.	1.6	85

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127	Cognitive Functions in the Prefrontal Cortexâ€"Working Memory and Executive Control. Current Directions in Psychological Science, 1997, 6, 185-192.	5.3	83
128	Brain Network Modularity Predicts Exercise-Related Executive Function Gains in Older Adults. Frontiers in Aging Neuroscience, 2017, 9, 426.	3.4	83
129	A functional MRI study of the effects of bromocriptine, a dopamine receptor agonist, on component processes of working memory. Psychopharmacology, 2005, 180, 1-10.	3.1	80
130	Age-related deficits in component processes of working memory.. Neuropsychology, 2007, 21, 532-539.	1.3	80
131	Advances in neuroimaging of traumatic brain injury and posttraumatic stress disorder. Journal of Rehabilitation Research and Development, 2009, 46, 717.	1.6	80
132	Neural implementation of response selection in humans as revealed by localized effects of stimulusâ€"response compatibility on brain activation. Human Brain Mapping, 2002, 17, 193-201.	3.6	79
133	Selection and Maintenance of Saccade Goals in the Human Frontal Eye Fields. Journal of Neurophysiology, 2006, 95, 3923-3927.	1.8	79
134	Functional MRI investigation of verbal selection mechanisms in lateral prefrontal cortex. NeuroImage, 2008, 43, 801-807.	4.2	78
135	Reaffirming the Sensory Recruitment Account of Working Memory. Trends in Cognitive Sciences, 2018, 22, 190-192.	7.8	75
136	Measuring temporal dynamics of functional networks using phase spectrum of fMRI data. NeuroImage, 2005, 28, 227-237.	4.2	73
137	Spatial working memory activity of the caudate nucleus is sensitive to frame of reference. Cognitive, Affective and Behavioral Neuroscience, 2003, 3, 133-144.	2.0	71
138	Now or Later? An fMRI study of the effects of endogenous opioid blockade on a decision-making network. Pharmacology Biochemistry and Behavior, 2009, 93, 291-299.	2.9	70
139	Distinct Brain and Behavioral Benefits from Cognitive vs. Physical Training: A Randomized Trial in Aging Adults. Frontiers in Human Neuroscience, 2016, 10, 338.	2.0	69
140	Influence of Motivation on Control Hierarchy in the Human Frontal Cortex. Journal of Neuroscience, 2015, 35, 3207-3217.	3.6	67
141	Vascular risk factors, cerebrovascular reactivity, and the default-mode brain network. NeuroImage, 2015, 115, 7-16.	4.2	67
142	Brain-wide functional architecture remodeling by alcohol dependence and abstinence. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2149-2159.	7.1	66
143	Reconfiguration of brain network architecture to support executive control in aging. Neurobiology of Aging, 2016, 44, 42-52.	3.1	65
144	Coherence between fMRI time-series distinguishes two spatial working memory networks. NeuroImage, 2005, 26, 177-183.	4.2	59

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145	Is the Prefrontal Cortex Necessary for Delay Task Performance? Evidence from Lesion and fMRI Data. Journal of the International Neuropsychological Society, 2006, 12, 248-260.	1.8	59
146	A subsequent-memory effect in dorsolateral prefrontal cortex. Cognitive Brain Research, 2003, 16, 162-166.	3.0	57
147	Repetition Suppression and Reactivation in Auditoryâ€“Verbal Short-Term Recognition Memory. Cerebral Cortex, 2009, 19, 1474-1485.	2.9	57
148	Traumatic Brain Injury: From Bench to Bedside to Society. Neuron, 2010, 66, 11-14.	8.1	57
149	A sensorimotor view of verbal working memory. Cortex, 2019, 112, 134-148.	2.4	57
150	Neural Representations of Relevant and Irrelevant Features in Perceptual Decision Making. Journal of Neuroscience, 2010, 30, 15778-15789.	3.6	56
151	Functional connectivity during top-down modulation of visual short-term memory representations. Neuropsychologia, 2011, 49, 1589-1596.	1.6	56
152	Consciousness is supported by near-critical slow cortical electrodynamics. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	56
153	Age-related changes in brainâ€“behaviour relationships: Evidence from event-related functional MRI studies. European Journal of Cognitive Psychology, 2001, 13, 235-256.	1.3	55
154	Prefrontal contributions to domain-general executive control processes during temporal context retrieval. Neuropsychologia, 2008, 46, 1088-1103.	1.6	55
155	Quantifying the Reconfiguration of Intrinsic Networks during Working Memory. PLoS ONE, 2014, 9, e106636.	2.5	55
156	Dopamine and the Cognitive Downside of a Promised Bonus. Psychological Science, 2014, 25, 1003-1009.	3.3	55
157	Neural mechanisms for response selection: comparing selection of responses and items from working memory. NeuroImage, 2007, 34, 446-454.	4.2	53
158	Effects of Medial Orbitofrontal Cortex Lesions on Self-Control in Intertemporal Choice. Current Biology, 2016, 26, 2625-2628.	3.9	53
159	Overlooked Tertiary Sulci Serve as a Meso-Scale Link between Microstructural and Functional Properties of Human Lateral Prefrontal Cortex. Journal of Neuroscience, 2021, 41, 2229-2244.	3.6	53
160	Causal evidence for lateral prefrontal cortex dynamics supporting cognitive control. ELife, 2017, 6, .	6.0	53
161	Sequence learning in pianists and nonpianists: An fMRI study of motor expertise. Cognitive, Affective and Behavioral Neuroscience, 2006, 6, 246-259.	2.0	52
162	Preserved function of the fusiform face area in schizophrenia as revealed by fMRI. Psychiatry Research - Neuroimaging, 2006, 148, 205-216.	1.8	52

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163	The Rostro-Caudal Axis of Frontal Cortex Is Sensitive to the Domain of Stimulus Information. Cerebral Cortex, 2015, 25, 1815-1826.	2.9	52
164	Functional Neuroimaging of Cognition. Seminars in Neurology, 2000, 20, 487-498.	1.4	50
165	Cholinergic, But Not Dopaminergic or Noradrenergic, Enhancement Sharpens Visual Spatial Perception in Humans. Journal of Neuroscience, 2017, 37, 4405-4415.	3.6	50
166	The Physiological Basis of Executive Function and Working Memory. Neuroscientist, 1996, 2, 345-352.	3.5	48
167	Dissociable fronto-striatal effects of dopamine D2 receptor stimulation on cognitive versusÂmotor flexibility. Cortex, 2013, 49, 2799-2811.	2.4	47
168	The drift diffusion model as the choice rule in inter-temporal and risky choice: AÂcase study in medial orbitofrontal cortex lesion patients and controls. PLoS Computational Biology, 2020, 16, e1007615.	3.2	44
169	Functional Reintegration of Prefrontal Neural Networks for Enhancing Recovery After Brain Injury. Journal of Head Trauma Rehabilitation, 2006, 21, 107-118.	1.7	43
170	Spatio-temporal information analysis of event-related BOLD responses. NeuroImage, 2007, 34, 1545-1561.	4.2	43
171	The Dopamine Agonist Bromocriptine Differentially Affects Fronto-Striatal Functional Connectivity During Working Memory. Frontiers in Human Neuroscience, 2011, 5, 32.	2.0	43
172	The effects of lateral prefrontal transcranial magnetic stimulation on item memory encoding. Neuropsychologia, 2014, 53, 197-202.	1.6	43
173	The effect of rehearsal rate and memory load on verbal working memory. NeuroImage, 2015, 105, 120-131.	4.2	43
174	Dopamine Synthesis Capacity is Associated with D2/3 Receptor Binding but Not Dopamine Release. Neuropsychopharmacology, 2018, 43, 1201-1211.	5.4	43
175	Modulation of working memory function by motivation through lossâ€aversion. Human Brain Mapping, 2013, 34, 762-774.	3.6	42
176	The Representational Basis of Working Memory. Current Topics in Behavioral Neurosciences, 2016, 37, 213-230.	1.7	42
177	A comparison of Granger causality and coherency in fMRIâ€based analysis of the motor system. Human Brain Mapping, 2009, 30, 3475-3494.	3.6	40
178	Lateral Prefrontal Cortex is Organized into Parallel Dorsal and Ventral Streams Along the Rostro-Caudal Axis. Cerebral Cortex, 2013, 23, 2457-2466.	2.9	40
179	Modulation of impulsivity and reward sensitivity in intertemporal choice by striatal and midbrain dopamine synthesis in healthy adults. Journal of Neurophysiology, 2016, 115, 1146-1156.	1.8	40
180	Causal Evidence for the Role of Neuronal Oscillations in Topâ€“Down and Bottomâ€“Up Attention. Journal of Cognitive Neuroscience, 2019, 31, 768-779.	2.3	36

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181	Dopaminergic Mechanisms Underlying Normal Variation in Trait Anxiety. Journal of Neuroscience, 2019, 39, 2735-2744.	3.6	36
182	Functional interactions between oculomotor regions during prosaccades and antisaccades. Human Brain Mapping, 2005, 26, 119-127.	3.6	35
183	Stimulant Medication and Prefrontal Functional Connectivity During Working Memory in ADHD. Journal of Attention Disorders, 2010, 14, 69-78.	2.6	34
184	Distinct mechanisms in visual category learning. Cognitive, Affective and Behavioral Neuroscience, 2007, 7, 251-259.	2.0	33
185	Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. Psychopharmacology, 2015, 232, 1061-1070.	3.1	33
186	Regional specificity and practice: Dynamic changes in object and spatial working memory. Brain Research, 2007, 1180, 78-89.	2.2	29
187	White matter microstructure, white matter lesions, and hypertension: An examination of early surrogate markers of vascular-related brain change in midlife. NeuroImage: Clinical, 2018, 18, 753-761.	2.7	29
188	Brain network modularity predicts cognitive training-related gains in young adults. Neuropsychologia, 2019, 131, 205-215.	1.6	29
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