

Mark D Esposito

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

267 papers	31,785 citations	94 h-index	176 g-index
311 ext. papers	36,213 ext. citations	6.4 avg, IF	7.72 L-index

#	Paper	IF	Citations
267	Associations among locus coeruleus catecholamines, tau pathology, and memory in aging.. <i>Neuropsychopharmacology</i> , 2022 ,	8.7	3
266	Focal neural perturbations reshape low-dimensional trajectories of brain activity supporting cognitive performance.. <i>Nature Communications</i> , 2022 , 13, 4	17.4	1
265	Consciousness is supported by near-critical slow cortical electrodynamics.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	3
264	The role of PFC networks in cognitive control and executive function. <i>Neuropsychopharmacology</i> , 2022 , 47, 90-103	8.7	14
263	Diurnal variations of resting-state fMRI data: A graph-based analysis.. <i>NeuroImage</i> , 2022 , 119246	7.9	0
262	A Novel BrainHealth Index Prototype Improved by Telehealth-Delivered Training During COVID-19. <i>Frontiers in Public Health</i> , 2021 , 9, 641754	6	2
261	An MRI protocol for anatomical and functional evaluation of the California sea lion brain. <i>Journal of Neuroscience Methods</i> , 2021 , 353, 109097	3	1
260	Investigating interactive effects of worry and the catechol-o-methyltransferase gene (COMT) on working memory performance. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021 , 21, 1153-1163	3.5	0
259	Working memory, cortical dopamine tone, and frontoparietal brain recruitment in post-traumatic stress disorder: a randomized controlled trial. <i>Translational Psychiatry</i> , 2021 , 11, 389	8.6	0
258	Improved normalization of lesioned brains via cohort-specific templates. <i>Human Brain Mapping</i> , 2021 , 42, 4187-4204	5.9	1
257	Long-Term Effect of Cognitive Rehabilitation Regardless of Prerehabilitation Cognitive Status for Veterans with TBI. <i>Applied Neuropsychology Adult</i> , 2021 , 28, 436-448	1.9	4
256	Overlooked Tertiary Sulci Serve as a Meso-Scale Link between Microstructural and Functional Properties of Human Lateral Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2021 , 41, 2229-2244	6.6	7
255	Differential contributions of static and time-varying functional connectivity to human behavior. <i>Network Neuroscience</i> , 2021 , 5, 145-165	5.6	6
254	Introduction to the Special Issue. <i>Journal of Cognitive Neuroscience</i> , 2021 , 1	3.1	
253	Using Tertiary Sulci to Map the "Cognitive Globe" of Prefrontal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2021 , 1-18	3.1	2
252	Pupil-Linked Arousal Biases Evidence Accumulation Toward Desirable Percepts During Perceptual Decision-Making. <i>Psychological Science</i> , 2021 , 32, 1494-1509	7.9	2
251	Enhancing dopamine tone modulates global and local cortical perfusion as a function of COMT val158met genotype. <i>NeuroImage</i> , 2021 , 242, 118472	7.9	0

250	Distinct Oscillatory Dynamics Underlie Different Components of Hierarchical Cognitive Control. <i>Journal of Neuroscience</i> , 2020 , 40, 4945-4953	6.6	11
249	Brain-wide functional architecture remodeling by alcohol dependence and abstinence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2149-2159	11.5	20
248	A simple method for detecting chaos in nature. <i>Communications Biology</i> , 2020 , 3, 11	6.7	36
247	Effects of Dopaminergic Drugs on Cognitive Control Processes Vary by Genotype. <i>Journal of Cognitive Neuroscience</i> , 2020 , 32, 804-821	3.1	9
246	Dissociable Neural Systems Support the Learning and Transfer of Hierarchical Control Structure. <i>Journal of Neuroscience</i> , 2020 , 40, 6624-6637	6.6	2
245	Dissociable neural mechanisms underlie currently-relevant, future-relevant, and discarded working memory representations. <i>Scientific Reports</i> , 2020 , 10, 11195	4.9	7
244	Causal Contribution of Awake Post-encoding Processes to Episodic Memory Consolidation. <i>Current Biology</i> , 2020 , 30, 3533-3543.e7	6.3	6
243	Impact of baseline neurocognitive functioning on outcomes following rehabilitation of executive function training for veterans with history of traumatic brain injury. <i>Applied Neuropsychology Adult</i> , 2020 , 27, 108-120	1.9	4
242	Goal-Oriented Attention Self-Regulation (GOALS) training in older adults. <i>Aging and Mental Health</i> , 2020 , 24, 464-473	3.5	4
241	The Human Intraparietal Sulcus Modulates Task-Evoked Functional Connectivity. <i>Cerebral Cortex</i> , 2020 , 30, 875-887	5.1	3
240	The drift diffusion model as the choice rule in inter-temporal and risky choice: A case study in medial orbitofrontal cortex lesion patients and controls. <i>PLoS Computational Biology</i> , 2020 , 16, e1007615	5	16
239	Causal Evidence for a Role of Theta and Alpha Oscillations in the Control of Working Memory. <i>Current Biology</i> , 2020 , 30, 1748-1754.e4	6.3	61
238	The drift diffusion model as the choice rule in inter-temporal and risky choice: A case study in medial orbitofrontal cortex lesion patients and controls 2020 , 16, e1007615		
237	The drift diffusion model as the choice rule in inter-temporal and risky choice: A case study in medial orbitofrontal cortex lesion patients and controls 2020 , 16, e1007615		
236	The drift diffusion model as the choice rule in inter-temporal and risky choice: A case study in medial orbitofrontal cortex lesion patients and controls 2020 , 16, e1007615		
235	The drift diffusion model as the choice rule in inter-temporal and risky choice: A case study in medial orbitofrontal cortex lesion patients and controls 2020 , 16, e1007615		
234	The drift diffusion model as the choice rule in inter-temporal and risky choice: A case study in medial orbitofrontal cortex lesion patients and controls 2020 , 16, e1007615		
233	The drift diffusion model as the choice rule in inter-temporal and risky choice: A case study in medial orbitofrontal cortex lesion patients and controls 2020 , 16, e1007615		

232	Brain network modularity predicts cognitive training-related gains in young adults. <i>Neuropsychologia</i> , 2019 , 131, 205-215	3.2	12
231	The what, where and how of delay activity. <i>Nature Reviews Neuroscience</i> , 2019 , 20, 466-481	13.5	52
230	Causal Evidence for the Role of Neuronal Oscillations in Top-Down and Bottom-Up Attention. <i>Journal of Cognitive Neuroscience</i> , 2019 , 31, 768-779	3.1	19
229	Dopaminergic Mechanisms Underlying Normal Variation in Trait Anxiety. <i>Journal of Neuroscience</i> , 2019 , 39, 2735-2744	6.6	22
228	Long-term effects of executive function training among veterans with chronic TBI. <i>Brain Injury</i> , 2019 , 33, 1513-1521	2.1	5
227	Are individual differences in human brain organization measured with functional MRI meaningful?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22432-22434	11.5	8
226	Brain Modularity: A Biomarker of Intervention-related Plasticity. <i>Trends in Cognitive Sciences</i> , 2019 , 23, 293-304	14	51
225	A sensorimotor view of verbal working memory. <i>Cortex</i> , 2019 , 112, 134-148	3.8	31
224	Frontoparietal Activity Interacts With Task-Evoked Changes in Functional Connectivity. <i>Cerebral Cortex</i> , 2019 , 29, 802-813	5.1	8
223	Lesions to the Fronto-Parietal Network Impact Alpha-Band Phase Synchrony and Cognitive Control. <i>Cerebral Cortex</i> , 2019 , 29, 4143-4153	5.1	9
222	Reaffirming the Sensory Recruitment Account of Working Memory. <i>Trends in Cognitive Sciences</i> , 2018 , 22, 190-192	14	47
221	Working Memory 2018 , 1-26		2
220	Effects of tolcapone and bromocriptine on cognitive stability and flexibility. <i>Psychopharmacology</i> , 2018 , 235, 1295-1305	4.7	17
219	White matter microstructure, white matter lesions, and hypertension: An examination of early surrogate markers of vascular-related brain change in midlife. <i>NeuroImage: Clinical</i> , 2018 , 18, 753-761	5.3	16
218	Quantitative Anatomical Evidence for a Dorsoventral and Rostrocaudal Segregation within the Nonhuman Primate Frontal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2018 , 30, 353-364	3.1	2
217	Dopamine Synthesis Capacity is Associated with D2/3 Receptor Binding but Not Dopamine Release. <i>Neuropsychopharmacology</i> , 2018 , 43, 1201-1211	8.7	31
216	Is There Evidence for a Rostral-Caudal Gradient in Fronto-Striatal Loops and What Role Does Dopamine Play?. <i>Frontiers in Neuroscience</i> , 2018 , 12, 242	5.1	10
215	Flexible Coding of Visual Working Memory Representations during Distraction. <i>Journal of Neuroscience</i> , 2018 , 38, 5267-5276	6.6	46

214	Hippocampal-targeted Theta-burst Stimulation Enhances Associative Memory Formation. <i>Journal of Cognitive Neuroscience</i> , 2018 , 30, 1452-1472	3.1	56
213	The Representational Basis of Working Memory. <i>Current Topics in Behavioral Neurosciences</i> , 2018 , 37, 213-230	3.4	28
212	A mechanistic model of connector hubs, modularity and cognition. <i>Nature Human Behaviour</i> , 2018 , 2, 765-777	12.8	92
211	The Human Thalamus Is an Integrative Hub for Functional Brain Networks. <i>Journal of Neuroscience</i> , 2017 , 37, 5594-5607	6.6	235
210	Cholinergic, But Not Dopaminergic or Noradrenergic, Enhancement Sharpens Visual Spatial Perception in Humans. <i>Journal of Neuroscience</i> , 2017 , 37, 4405-4415	6.6	34
209	Brain Network Modularity Predicts Exercise-Related Executive Function Gains in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 426	5.3	60
208	Brain Changes Following Executive Control Training in Older Adults. <i>Neurorehabilitation and Neural Repair</i> , 2017 , 31, 910-922	4.7	12
207	Short-Term and Working Memory 2017 , 263-274		
206	Serial dependence is absent at the time of perception but increases in visual working memory. <i>Scientific Reports</i> , 2017 , 7, 14739	4.9	81
205	Synaptic augmentation in a cortical circuit model reproduces serial dependence in visual working memory. <i>PLoS ONE</i> , 2017 , 12, e0188927	3.7	15
204	Causal evidence for lateral prefrontal cortex dynamics supporting cognitive control. <i>ELife</i> , 2017 , 6,	8.9	28
203	The effects of content-dependent competition on working memory capacity limits. <i>Journal of Vision</i> , 2017 , 17, 109	0.4	
202	Context transitions modulate perceptual serial dependence. <i>Journal of Vision</i> , 2017 , 17, 92	0.4	0
201	Neural mechanisms of precision in visual working memory for faces. <i>Journal of Vision</i> , 2017 , 17, 345	0.4	
200	Modular Brain Network Organization Predicts Response to Cognitive Training in Older Adults. <i>PLoS ONE</i> , 2016 , 11, e0169015	3.7	60
199	The hierarchical organization of the lateral prefrontal cortex. <i>ELife</i> , 2016 , 5,	8.9	91
198	Author response: The hierarchical organization of the lateral prefrontal cortex 2016 ,		3
197	Distinct Brain and Behavioral Benefits from Cognitive vs. Physical Training: A Randomized Trial in Aging Adults. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 338	3.3	54

196	The Segregation and Integration of Distinct Brain Networks and Their Relationship to Cognition. <i>Journal of Neuroscience</i> , 2016 , 36, 12083-12094	6.6	326
195	Modulation of impulsivity and reward sensitivity in intertemporal choice by striatal and midbrain dopamine synthesis in healthy adults. <i>Journal of Neurophysiology</i> , 2016 , 115, 1146-56	3.2	29
194	Reconfiguration of brain network architecture to support executive control in aging. <i>Neurobiology of Aging</i> , 2016 , 44, 42-52	5.6	43
193	Causal evidence for frontal cortex organization for perceptual decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 6059-64	11.5	86
192	Effects of Medial Orbitofrontal Cortex Lesions on Self-Control in Intertemporal Choice. <i>Current Biology</i> , 2016 , 26, 2625-2628	6.3	36
191	Influence of motivation on control hierarchy in the human frontal cortex. <i>Journal of Neuroscience</i> , 2015 , 35, 3207-17	6.6	54
190	Genotype status of the dopamine-related catechol-O-methyltransferase (COMT) gene corresponds with desirability of "unhealthy" foods. <i>Appetite</i> , 2015 , 92, 74-80	4.5	9
189	Oscillatory dynamics coordinating human frontal networks in support of goal maintenance. <i>Nature Neuroscience</i> , 2015 , 18, 1318-24	25.5	120
188	Ongoing dynamics in large-scale functional connectivity predict perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8463-8	11.5	152
187	Vascular risk factors, cerebrovascular reactivity, and the default-mode brain network. <i>NeuroImage</i> , 2015 , 115, 7-16	7.9	43
186	Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. <i>Psychopharmacology</i> , 2015 , 232, 1061-70	4.7	28
185	Functional brain network modularity predicts response to cognitive training after brain injury. <i>Neurology</i> , 2015 , 84, 1568-74	6.5	89
184	Confidence Leak in Perceptual Decision Making. <i>Psychological Science</i> , 2015 , 26, 1664-80	7.9	76
183	The modular and integrative functional architecture of the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6798-807	11.5	286
182	Functional Characterization of the Cingulo-Opercular Network in the Maintenance of Tonic Alertness. <i>Cerebral Cortex</i> , 2015 , 25, 2763-73	5.1	189
181	The effect of rehearsal rate and memory load on verbal working memory. <i>NeuroImage</i> , 2015 , 105, 120-31	7.9	31
180	The Rostro-Caudal Axis of Frontal Cortex Is Sensitive to the Domain of Stimulus Information. <i>Cerebral Cortex</i> , 2015 , 25, 1815-26	5.1	37
179	The cognitive neuroscience of working memory. <i>Annual Review of Psychology</i> , 2015 , 66, 115-42	26.1	658

178	Levodopa administration modulates striatal processing of punishment-associated items in healthy participants. <i>Psychopharmacology</i> , 2015 , 232, 135-44	4.7	14
177	Dissociable Roles of Dorsolateral Prefrontal Cortex and Frontal Eye Fields During Saccadic Eye Movements. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 613	3.3	15
176	The Effect of Disruption of Prefrontal Cortical Function with Transcranial Magnetic Stimulation on Visual Working Memory. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 169	3.5	15
175	Revisiting the role of persistent neural activity during working memory. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 82-9	14	276
174	Dopamine and the cognitive downside of a promised bonus. <i>Psychological Science</i> , 2014 , 25, 1003-9	7.9	44
173	The effects of lateral prefrontal transcranial magnetic stimulation on item memory encoding. <i>Neuropsychologia</i> , 2014 , 53, 197-202	3.2	38
172	An approach for identifying brainstem dopaminergic pathways using resting state functional MRI. <i>PLoS ONE</i> , 2014 , 9, e87109	3.7	10
171	Dorsal striatal dopamine, food preference and health perception in humans. <i>PLoS ONE</i> , 2014 , 9, e96319	3.7	13
170	Perfusion MRI indexes variability in the functional brain effects of theta-burst transcranial magnetic stimulation. <i>PLoS ONE</i> , 2014 , 9, e101430	3.7	15
169	Quantifying the reconfiguration of intrinsic networks during working memory. <i>PLoS ONE</i> , 2014 , 9, e106636	3.7	43
168	Assessment of subcomponents of executive functioning in ecologically valid settings: the goal processing scale. <i>Journal of Head Trauma Rehabilitation</i> , 2014 , 29, 136-46	3	11
167	Correspondence between stimulus encoding- and maintenance-related neural processes underlies successful working memory. <i>Cerebral Cortex</i> , 2014 , 24, 593-9	5.1	24
166	Evidence for working memory storage operations in perceptual cortex. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014 , 14, 117-28	3.5	9
165	Distributed and dynamic storage of working memory stimulus information in extrastriate cortex. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 1141-53	3.1	66
164	Modulation of working memory function by motivation through loss-aversion. <i>Human Brain Mapping</i> , 2013 , 34, 762-74	5.9	31
163	Impaired prefrontal-basal ganglia functional connectivity and substantia nigra hyperactivity in schizophrenia. <i>Biological Psychiatry</i> , 2013 , 74, 122-9	7.9	100
162	Lateral prefrontal cortex is organized into parallel dorsal and ventral streams along the rostro-caudal axis. <i>Cerebral Cortex</i> , 2013 , 23, 2457-66	5.1	35
161	The salience network causally influences default mode network activity during moral reasoning. <i>Brain</i> , 2013 , 136, 1929-41	11.2	143

160	Dissociable fronto-striatal effects of dopamine D2 receptor stimulation on cognitive versus motor flexibility. <i>Cortex</i> , 2013 , 49, 2799-811	3.8	42
159	Attention selectively modifies the representation of individual faces in the human brain. <i>Journal of Neuroscience</i> , 2013 , 33, 6979-89	6.6	24
158	Abstract rule learning: the differential effects of lesions in frontal cortex. <i>Cerebral Cortex</i> , 2013 , 23, 230-40	4.0	16
157	The positional-specificity effect reveals a passive-trace contribution to visual short-term memory. <i>PLoS ONE</i> , 2013 , 8, e83483	3.7	7
156	Learning language with the wrong neural scaffolding: the cost of neural commitment to sounds. <i>Frontiers in Systems Neuroscience</i> , 2013 , 7, 85	3.5	15
155	The effect of theta-burst TMS on cognitive control networks measured with resting state fMRI. <i>Frontiers in Systems Neuroscience</i> , 2013 , 7, 124	3.5	80
154	Focal brain lesions to critical locations cause widespread disruption of the modular organization of the brain. <i>Journal of Cognitive Neuroscience</i> , 2012 , 24, 1275-85	3.1	245
153	Modulation of inhibition of return by the dopamine D2 receptor agonist bromocriptine depends on individual DAT1 genotype. <i>Cerebral Cortex</i> , 2012 , 22, 1133-8	5.1	9
152	The continuing challenge of understanding and modeling hemodynamic variation in fMRI. <i>NeuroImage</i> , 2012 , 62, 1017-23	7.9	108
151	The impact of social disparity on prefrontal function in childhood. <i>PLoS ONE</i> , 2012 , 7, e35744	3.7	138
150	Spatial and temporal dynamics of cortical networks engaged in memory encoding and retrieval. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 109	3.3	16
149	Goal-directed attention alters the tuning of object-based representations in extrastriate cortex. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 187	3.3	21
148	The dynamic nature of top-down signals originating from prefrontal cortex: a combined fMRI-TMS study. <i>Journal of Neuroscience</i> , 2012 , 32, 15458-66	6.6	119
147	Band phase synchrony is related to activity in the fronto-parietal adaptive control network. <i>Journal of Neuroscience</i> , 2012 , 32, 14305-10	6.6	166
146	Inverted-U-shaped dopamine actions on human working memory and cognitive control. <i>Biological Psychiatry</i> , 2011 , 69, e113-25	7.9	1025
145	The dopamine agonist bromocriptine differentially affects fronto-striatal functional connectivity during working memory. <i>Frontiers in Human Neuroscience</i> , 2011 , 5, 32	3.3	33
144	Recency Effects in the Inferior Parietal Lobe during Verbal Recognition Memory. <i>Frontiers in Human Neuroscience</i> , 2011 , 5, 59	3.3	18
143	Rehabilitation of executive functioning with training in attention regulation applied to individually defined goals: a pilot study bridging theory, assessment, and treatment. <i>Journal of Head Trauma Rehabilitation</i> , 2011 , 26, 325-38	3	89

142	Interaction between family history of alcoholism and Locus of Control in the opioid regulation of impulsive responding under the influence of alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2011 , 35, 1905-14	3.7	22
141	Functional connectivity during top-down modulation of visual short-term memory representations. <i>Neuropsychologia</i> , 2011 , 49, 1589-96	3.2	42
140	Conduction aphasia, sensory-motor integration, and phonological short-term memory - an aggregate analysis of lesion and fMRI data. <i>Brain and Language</i> , 2011 , 119, 119-28	2.9	218
139	Can age-associated memory decline be treated?. <i>New England Journal of Medicine</i> , 2011 , 365, 1346-7	59.2	3
138	Training of goal-directed attention regulation enhances control over neural processing for individuals with brain injury. <i>Brain</i> , 2011 , 134, 1541-54	11.2	83
137	Estrogen shapes dopamine-dependent cognitive processes: implications for women's health. <i>Journal of Neuroscience</i> , 2011 , 31, 5286-93	6.6	249
136	A functional role for the motor system in language understanding: evidence from theta-burst transcranial magnetic stimulation. <i>Psychological Science</i> , 2011 , 22, 849-54	7.9	104
135	The prefrontal cortex modulates category selectivity in human extrastriate cortex. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 1-10	3.1	90
134	The functional anatomy of a perceptual decision in the human brain. <i>Journal of Neurophysiology</i> , 2010 , 103, 1179-94	3.2	92
133	Neural representations of relevant and irrelevant features in perceptual decision making. <i>Journal of Neuroscience</i> , 2010 , 30, 15778-89	6.6	42
132	Longitudinal evidence for functional specialization of the neural circuit supporting working memory in the human brain. <i>Journal of Neuroscience</i> , 2010 , 30, 11062-7	6.6	99
131	Double dissociation of two cognitive control networks in patients with focal brain lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12017-22	11.5	145
130	Stimulant medication and prefrontal functional connectivity during working memory in ADHD: a preliminary report. <i>Journal of Attention Disorders</i> , 2010 , 14, 69-78	3.7	27
129	Frontal cortex and the discovery of abstract action rules. <i>Neuron</i> , 2010 , 66, 315-26	13.9	221
128	Traumatic brain injury: from bench to bedside [corrected] to society. <i>Neuron</i> , 2010 , 66, 11-4	13.9	51
127	Neural activity during social signal perception correlates with self-reported empathy. <i>Brain Research</i> , 2010 , 1308, 100-13	3.7	138
126	Top-down flow of visual spatial attention signals from parietal to occipital cortex. <i>Journal of Vision</i> , 2009 , 9, 18.1-14	0.4	96
125	Network changes in the transition from initial learning to well-practiced visual categorization. <i>Frontiers in Human Neuroscience</i> , 2009 , 3, 44	3.3	11

124	Striatal dopamine predicts outcome-specific reversal learning and its sensitivity to dopaminergic drug administration. <i>Journal of Neuroscience</i> , 2009 , 29, 1538-43	6.6	273
123	Repetition suppression and reactivation in auditory-verbal short-term recognition memory. <i>Cerebral Cortex</i> , 2009 , 19, 1474-85	5.1	47
122	The effect of non-visual working memory load on top-down modulation of visual processing. <i>Neuropsychologia</i> , 2009 , 47, 1637-46	3.2	78
121	Now or Later? An fMRI study of the effects of endogenous opioid blockade on a decision-making network. <i>Pharmacology Biochemistry and Behavior</i> , 2009 , 93, 291-9	3.9	64
120	A comparison of Granger causality and coherency in fMRI-based analysis of the motor system. <i>Human Brain Mapping</i> , 2009 , 30, 3475-94	5.9	36
119	Hierarchical cognitive control deficits following damage to the human frontal lobe. <i>Nature Neuroscience</i> , 2009 , 12, 515-22	25.5	185
118	Is the rostro-caudal axis of the frontal lobe hierarchical?. <i>Nature Reviews Neuroscience</i> , 2009 , 10, 659-69	13.5	630
117	Advances in neuroimaging of traumatic brain injury and posttraumatic stress disorder. <i>Journal of Rehabilitation Research and Development</i> , 2009 , 46, 717-57		69
116	Spatio-temporal dynamics of neural mechanisms underlying component operations in working memory. <i>Brain Research</i> , 2008 , 1206, 61-75	3.7	17
115	Prefrontal contributions to domain-general executive control processes during temporal context retrieval. <i>Neuropsychologia</i> , 2008 , 46, 1088-103	3.2	47
114	The influence of personality on neural mechanisms of observational fear and reward learning. <i>Neuropsychologia</i> , 2008 , 46, 2709-24	3.2	88
113	Functional connectivity of the hippocampus in elderly with mild memory dysfunction carrying the APOE epsilon4 allele. <i>Neurobiology of Aging</i> , 2008 , 29, 1644-53	5.6	19
112	Cholinergic enhancement reduces spatial spread of visual responses in human early visual cortex. <i>Neuron</i> , 2008 , 60, 904-14	13.9	75
111	The search for the phonological store: from loop to convolution. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 762-78	3.1	291
110	Prefrontal and parietal contributions to refreshing: an rTMS study. <i>NeuroImage</i> , 2008 , 39, 436-40	7.9	14
109	Functional MRI investigation of verbal selection mechanisms in lateral prefrontal cortex. <i>NeuroImage</i> , 2008 , 43, 801-7	7.9	68
108	Mentalizing about emotion and its relationship to empathy. <i>Social Cognitive and Affective Neuroscience</i> , 2008 , 3, 204-17	4	161
107	Group comparisons: imaging the aging brain. <i>Social Cognitive and Affective Neuroscience</i> , 2008 , 3, 290-7	4	78

106	Age-related top-down suppression deficit in the early stages of cortical visual memory processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 13122-6	11.5	329
105	Dynamic adjustments in prefrontal, hippocampal, and inferior temporal interactions with increasing visual working memory load. <i>Cerebral Cortex</i> , 2008 , 18, 1618-29	5.1	108
104	Working memory capacity predicts dopamine synthesis capacity in the human striatum. <i>Journal of Neuroscience</i> , 2008 , 28, 1208-12	6.6	217
103	Working memory. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2008 , 88, 237-47	3	16
102	Efficiency of the prefrontal cortex during working memory in attention-deficit/hyperactivity disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2007 , 46, 1357-1366	7.2	68
101	From cognitive to neural models of working memory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 761-72	5.8	518
100	Reducing vascular variability of fMRI data across aging populations using a breathholding task. <i>Human Brain Mapping</i> , 2007 , 28, 846-59	5.9	103
99	Reward modulation of prefrontal and visual association cortex during an incentive working memory task. <i>Brain Research</i> , 2007 , 1141, 168-77	3.7	128
98	Regional specificity and practice: dynamic changes in object and spatial working memory. <i>Brain Research</i> , 2007 , 1180, 78-89	3.7	24
97	Segregation of function in the lateral prefrontal cortex during visual object working memory. <i>Brain Research</i> , 2007 , 1184, 217-25	3.7	14
96	Distinct mechanisms in visual category learning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2007 , 7, 251-9	3.5	30
95	Top-down modulation and normal aging. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1097, 67-83	6.5	149
94	Neurocognitive inefficacy of the strategy process. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1118, 163-85	6.5	6
93	Functional connectivity of cortical networks involved in bimanual motor sequence learning. <i>Cerebral Cortex</i> , 2007 , 17, 1227-34	5.1	121
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