Malcolm W Brown

List of Publications by Year
in descending order

58 papers	7,569 citations	126907 33 h-index	161849 54 g-index
58 all docs	58 docs citations	58 times ranked	6212 citing authors

#	Article	IF	Citations
1	Episodic memory, amnesia, and the hippocampalâ€“anterior thalamic axis. Behavioral and Brain Sciences, 1999, 22, 425-444.	0.7	1,862
2	Recognition memory: What are the roles of the perirhinal cortex and hippocampus?. Nature Reviews Neuroscience, 2001, 2, 51-61.	10.2	1,360
3	Differential Roles of NR2A and NR2B-Containing NMDA Receptors in Cortical Long-Term Potentiation and Long-Term Depression. Journal of Neuroscience, 2004, 24, 7821-7828.	3.6	606
4	Interleaving brain systems for episodic and recognition memory. Trends in Cognitive Sciences, 2006, 10, 455-463.	7.8	418
5	Different Contributions of the Hippocampus and Perirhinal Cortex to Recognition Memory. Journal of Neuroscience, 1999, 19, 1142-1148.	3.6	413
6	Fos Imaging Reveals Differential Patterns of Hippocampal and Parahippocampal Subfield Activation in Rats in Response to Different Spatial Memory Tests. Journal of Neuroscience, 2000, 20, 2711-2718.	3.6	243
7	Cholinergic Neurotransmission Is Essential for Perirhinal Cortical Plasticity and Recognition Memory. Neuron, 2003, 38, 987-996.	8.1	206
8	Expression of Long-Term Depression Underlies Visual Recognition Memory. Neuron, 2008, 58, 186-194.	8.1	142
9	Contrasting Hippocampal and Perirhinalcortex Function using Immediate Early Gene Imaging. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 2005, 58, 218-233.	2.8	138
10	Findings from animals concerning when interactions between perirhinal cortex, hippocampus and medial prefrontal cortex are necessary for recognition memory. Neuropsychologia, 2010, 48, 2262-2272.	1.6	138
11	Mapping visual recognition memory through expression of the immediate early gene c-fos. NeuroReport, 1996, 7, 1871-1875.	1.2	129
12	Recognition memory: Material, processes, and substrates. Hippocampus, 2010, 20, 1228-1244.	1.9	122
13	MicroRNAâ€132 regulates recognition memory and synaptic plasticity in the perirhinal cortex. European Journal of Neuroscience, 2012, 36, 2941-2948.	2.6	110
14	Comparison of computational models of familiarity discrimination in the perirhinal cortex. Hippocampus, 2003, 13, 494-524.	1.9	106
15	The Different Effects on Recognition Memory of Perirhinal Kainate and NMDA Glutamate Receptor Antagonism: Implications for Underlying Plasticity Mechanisms. Journal of Neuroscience, 2006, 26, 3561-3566.	3.6	101
16	Memory loss during pregnancy. BJOG: an International Journal of Obstetrics and Gynaecology, 1993, 100, 209-215.	2.3	100
17	Objective and subjective memory impairment in pregnancy. Psychological Medicine, 1991, 21, 647-653.	4.5	87
18	The medial dorsal thalamic nucleus and the medial prefrontal cortex of the rat function together to support associative recognition and recency but not item recognition. Learning and Memory, 2013, 20, 41-50.	1.3	86

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19	cAMP Responsive Element-Binding Protein Phosphorylation Is Necessary for Perirhinal Long-Term Potentiation and Recognition Memory. Journal of Neuroscience, 2005, 25, 6296-6303.	3.6	83
20	Model of familiarity discrimination in the perirhinal cortex. Journal of Computational Neuroscience, 2001, 10, 5-23.	1.0	81
21	Dynamics of a Memory Trace: Effects of Sleep on Consolidation. Current Biology, 2008, 18, 393-400.	3.9	81
22	Neuronal Responses Related to Long-Term Recognition Memory Processes in Prefrontal Cortex. Neuron, 2004, 42, 817-829.	8.1	75
23	Fos Imaging Reveals that Lesions of the Anterior Thalamic Nuclei Produce Widespread Limbic Hypoactivity in Rats. Journal of Neuroscience, 2002, 22, 5230-5238.	3.6	71
24	Absence of Priming Coupled with Substantially Preserved Recognition in Lorazepam-Induced Amnesia. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1989, 41, 599-617.	2.3	66
25	Using Fos Imaging in the Rat to Reveal the Anatomical Extent of the Disruptive Effects of Fornix Lesions. Journal of Neuroscience, 2000, 20, 8144-8152.	3.6	61
26	Contrasting brain activity patterns for item recognition memory and associative recognition memory: Insights from immediate-early gene functional imaging. Neuropsychologia, 2012, 50, 3141-3155.	1.6	61
27	L-Type Voltage-Dependent Calcium Channel Antagonists Impair Perirhinal Long-Term Recognition Memory and Plasticity Processes. Journal of Neuroscience, 2009, 29, 9534-9544.	3.6	55
28	The Effects of Repeating a Recognition Test in Lorazepam-Induced Amnesia: Evidence for Impaired Contextual Memory as a Cause of Amnesia. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1990, 42, 279-290.	2.3	51
29	Differing time dependencies of object recognition memory impairments produced by nicotinic and muscarinic cholinergic antagonism in perirhinal cortex. Learning and Memory, 2011, 18, 484-492.	1.3	50
30	Effects of lorazepam on rate of forgetting, on retrieval from semantic memory and on manual dexterity. Neuropsychologia, 1983, 21, 501-512.	1.6	48
31	Perirhinal cortex lesions uncover subsidiary systems in the rat for the detection of novel and familiar objects. European Journal of Neuroscience, 2011, 34, 331-342.	2.6	39
32	Interfering with Fos expression in rat perirhinal cortex impairs recognition memory. Hippocampus, 2012, 22, 2101-2113.	1.9	38
33	Separate but interacting recognition memory systems for different senses: The role of the rat perirhinal cortex. Learning and Memory, 2011, 18, 435-443.	1.3	36
34	GABABreceptors mediate frequency-dependent depression of excitatory potentials in rat perirhinal cortex in vitro. European Journal of Neuroscience, 2000, 12, 803-809.	2.6	32
35	Novel temporal configurations of stimuli produce discrete changes in immediate-early gene expression in the rat hippocampus. European Journal of Neuroscience, 2006, 24, 2611-2621.	2.6	32
36	Learning-Specific Changes in Long-Term Depression in Adult Perirhinal Cortex. Journal of Neuroscience, 2008, 28, 7548-7554.	3.6	30

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37	Perirhinal cortex lesions in rats: Novelty detection and sensitivity to interference.. Behavioral Neuroscience, 2015, 129, 227-243.	1.2	28
38	An Infomax Algorithm Can Perform Both Familiarity Discrimination and Feature Extraction in a Single Network. Neural Computation, 2011, 23, 909-926.	2.2	27
39	Interfering with perirhinal brainâ€derived neurotrophic factor expression impairs recognition memory in rats. Hippocampus, 2011, 21, 121-126.	1.9	25
40	Electrogenic uptake contributes a major component of the depolarizing action of <scp>l</scp>â€glutamate in rat hippocampal slices. British Journal of Pharmacology, 1991, 102, 355-362.	5.4	22
41	Computational models can replicate the capacity of human recognition memory. Network: Computation in Neural Systems, 2008, 19, 161-182.	3.6	17
42	The restricted influence of sparseness of coding on the capacity of familiarity discrimination networks. Network: Computation in Neural Systems, 2002, 13, 457-485.	3.6	14
43	Finding and Not Finding Rat Perirhinal Neuronal Responses to Novelty. Hippocampus, 2016, 26, 1021-1032.	1.9	13
44	A role for the CAMKK pathway in visual object recognition memory. Hippocampus, 2012, 22, 466-476.	1.9	12
45	Hippocampal and perirhinal functions in recognition memory. Nature Reviews Neuroscience, 2008, 9, 405-405.	10.2	9
46	An anti-Hebbian model of familiarity discrimination in the perirhinal cortex. Neurocomputing, 2003, 52-54, 1-6.	5.9	8
47	Recognition Memory: What's New in Novelty Signals?. Current Biology, 2009, 19, R645-R647.	3.9	8
48	The restricted influence of sparseness of coding on the capacity of familiarity discrimination networks. Network: Computation in Neural Systems, 2002, 13, 457-485.	3.6	7
49	Model of co-operation between recency, familiarity and novelty neurons in the perirhinal cortex. Neurocomputing, 2001, 38-40, 1121-1126.	5.9	6
50	Thanks for the memories: Extending the hippocampal-diencephalic mnemonic system. Behavioral and Brain Sciences, 1999, 22, 471-479.	0.7	5
51	The topography of activity transmission between lateral entorhinal cortex and subfield CA1 of the hippocampus. European Journal of Neuroscience, 2008, 27, 3257-3272.	2.6	4
52	Brain, memory and development: The imprint of Gabriel Horn. Neuroscience and Biobehavioral Reviews, 2015, 50, 1-3.	6.1	4
53	Sir Gabriel Horn. 9 December 1927 â€" 2 August 2012. Biographical Memoirs of Fellows of the Royal Society, 2013, 59, 157-170.	0.1	2
54	Capacity of perirhinal cortex network for recognising frequently repeating stimuli. Neurocomputing, 2002, 44-46, 337-342.	5.9	1

#	Article	IF	Citations
55	A feast of memories. Trends in Cognitive Sciences, 2002, 6, 488.	7.8	0
56	The topography of activity transmission between lateral entorhinal cortex and subfield CA1 of the hippocampus. European Journal of Neuroscience, 2008, 28, 417-417.	2.6	0
57	Perirhinal Cortex: Neural Representations â˜†. , 2017, , .		0
58	Perirhinal Cortex: Neural Representations â˜†. , 2017, , 189-207.		0