

Barbara J Knowlton

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

11,639
citations

94269

37
h-index

69108

77
g-index

78
all docs

78
docs citations

78
times ranked

9572
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of the basal ganglia in habit formation. <i>Nature Reviews Neuroscience</i> , 2006, 7, 464-476.	4.9	1,974
2	Learning and Memory Functions of the Basal Ganglia. <i>Annual Review of Neuroscience</i> , 2002, 25, 563-593.	5.0	1,609
3	Lesions of dorsolateral striatum preserve outcome expectancy but disrupt habit formation in instrumental learning. <i>European Journal of Neuroscience</i> , 2004, 19, 181-189.	1.2	1,019
4	The role of the dorsomedial striatum in instrumental conditioning. <i>European Journal of Neuroscience</i> , 2005, 22, 513-523.	1.2	896
5	Remembering episodes: a selective role for the hippocampus during retrieval. <i>Nature Neuroscience</i> , 2000, 3, 1149-1152.	7.1	824
6	The learning of categories: parallel brain systems for item memory and category knowledge. <i>Science</i> , 1993, 262, 1747-1749.	6.0	490
7	Modulation of competing memory systems by distraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11778-11783.	3.3	465
8	Inactivation of dorsolateral striatum enhances sensitivity to changes in the action–outcome contingency in instrumental conditioning. <i>Behavioural Brain Research</i> , 2006, 166, 189-196.	1.2	441
9	Intact Artificial Grammar Learning in Amnesia: Dissociation of Classification Learning and Explicit Memory for Specific Instances. <i>Psychological Science</i> , 1992, 3, 172-179.	1.8	294
10	A Dissociation of Encoding and Retrieval Processes in the Human Hippocampus. <i>Journal of Neuroscience</i> , 2005, 25, 3280-3286.	1.7	290
11	A Neurocomputational Model of Analogical Reasoning and its Breakdown in Frontotemporal Lobar Degeneration. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 260-271.	1.1	240
12	Contributions of Striatal Subregions to Place and Response Learning. <i>Learning and Memory</i> , 2004, 11, 459-463.	0.5	194
13	Remembering and knowing: Two different expressions of declarative memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1995, 21, 699-710.	0.7	177
14	Relational Integration, Inhibition, and Analogical Reasoning in Older Adults.. <i>Psychology and Aging</i> , 2004, 19, 581-591.	1.4	166
15	Retrograde amnesia. <i>Hippocampus</i> , 2001, 11, 50-55.	0.9	161
16	Neural substrates of motor memory consolidation depend on practice structure. <i>Nature Neuroscience</i> , 2010, 13, 923-925.	7.1	156
17	An Implicit Learning Task Activates Medial Temporal Lobe in Patients With Parkinson's Disease.. <i>Behavioral Neuroscience</i> , 2004, 118, 438-442.	0.6	146
18	Intact implicit habit learning in Alzheimer's disease.. <i>Behavioral Neuroscience</i> , 2002, 116, 722-726.	0.6	122

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19	Common and Dissociable Prefrontal Loci Associated with Component Mechanisms of Analogical Reasoning. <i>Cerebral Cortex</i> , 2010, 20, 524-533.	1.6	115
20	A neurocomputational system for relational reasoning. <i>Trends in Cognitive Sciences</i> , 2012, 16, 373-381.	4.0	113
21	Distraction during relational reasoning: The role of prefrontal cortex in interference control. <i>Neuropsychologia</i> , 2008, 46, 2020-2032.	0.7	103
22	The hippocampus, consolidation and on-line memory. <i>Current Opinion in Neurobiology</i> , 1998, 8, 293-296.	2.0	99
23	Human Hippocampal CA1 Involvement during Allocentric Encoding of Spatial Information. <i>Journal of Neuroscience</i> , 2009, 29, 10512-10519.	1.7	91
24	Effects of US devaluation on win-“stay and win-“shift radial maze performance in rats.. <i>Behavioral Neuroscience</i> , 2000, 114, 295-306.	0.6	87
25	The effect of testing procedure on remember-know judgments. <i>Psychonomic Bulletin and Review</i> , 2002, 9, 139-145.	1.4	84
26	Value-based modulation of memory encoding involves strategic engagement of fronto-temporal semantic processing regions. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014, 14, 578-592.	1.0	79
27	Brain-“behavior correlates of optimizing learning through interleaved practice. <i>NeuroImage</i> , 2011, 56, 1758-1772.	2.1	71
28	The relationship between remembering and knowing: A cognitive neuroscience perspective. <i>Acta Psychologica</i> , 1998, 98, 253-265.	0.7	69
29	The neural correlates of recollection: Hippocampal activation declines as episodic memory fades. <i>Hippocampus</i> , 2009, 19, 265-272.	0.9	58
30	Effects of aging on value-directed modulation of semantic network activity during verbal learning. <i>NeuroImage</i> , 2016, 125, 1046-1062.	2.1	56
31	Remember and know judgments during recognition in chronic schizophrenia. <i>Schizophrenia Research</i> , 2008, 100, 181-190.	1.1	49
32	Longitudinal stability of social cognition in schizophrenia: A 5-year follow-up of social perception and emotion processing. <i>Schizophrenia Research</i> , 2016, 176, 467-472.	1.1	48
33	Secondary-task effects on classification learning. <i>Memory and Cognition</i> , 2007, 35, 864-874.	0.9	47
34	Neural Activity in the Hippocampus and Perirhinal Cortex during Encoding Is Associated with the Durability of Episodic Memory. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2652-2662.	1.1	47
35	Remember-“Know judgments and retrieval of contextual details. <i>Acta Psychologica</i> , 2006, 122, 160-173.	0.7	45
36	Interleaved practice enhances skill learning and the functional connectivity of fronto-“parietal networks. <i>Human Brain Mapping</i> , 2013, 34, 1542-1558.	1.9	44

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37	Specific responses of human hippocampal neurons are associated with better memory. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10503-10508.	3.3	44
38	Putting the brakes on the brakes: negative emotion disrupts cognitive control network functioning and alters subsequent stopping ability. Experimental Brain Research, 2016, 234, 3107-3118.	0.7	42
39	Age related differences in the neural substrates of motor sequence learning after interleaved and repetitive practice. NeuroImage, 2012, 62, 2007-2020.	2.1	37
40	Recognizing what matters: Value improves recognition by selectively enhancing recollection. Journal of Memory and Language, 2017, 94, 195-205.	1.1	36
41	Memory and Reward-Based Learning: A Value-Directed Remembering Perspective. Annual Review of Psychology, 2022, 73, 25-52.	9.9	36
42	Forget me not: Encoding processes in value-directed remembering. Journal of Memory and Language, 2019, 106, 29-39.	1.1	34
43	Habit Formation and the Striatum. Current Topics in Behavioral Neurosciences, 2016, 37, 275-295.	0.8	30
44	Free recall test experience potentiates strategy-driven effects of value on memory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2017, 43, 1581-1601.	0.7	29
45	Hemispheric Differences in Object Identification. Brain and Cognition, 2001, 45, 119-128.	0.8	26
46	Stimulation of the right entorhinal white matter enhances visual memory encoding in humans. Brain Stimulation, 2021, 14, 131-140.	0.7	24
47	The effects of value on context-item associative memory in younger and older adults.. Psychology and Aging, 2018, 33, 46-56.	1.4	24
48	Contextual interference effects in sequence learning for young and older adults.. Psychology and Aging, 2010, 25, 929-939.	1.4	23
49	The impact of cerebellar transcranial direct current stimulation (tDCS) on learning fine-motor sequences. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160050.	1.8	23
50	Paradoxical Decision-Making: A Framework for Understanding Cognition in Parkinson's Disease. Trends in Neurosciences, 2018, 41, 512-525.	4.2	22
51	Enhanced Motor Learning in Older Adults Is Accompanied by Increased Bilateral Frontal and Fronto-Parietal Connectivity. Brain Connectivity, 2012, 2, 56-68.	0.8	21
52	Contributions of Feature Binding During Encoding and Functional Connectivity of the Medial Temporal Lobe Structures to Episodic Memory Deficits Across the Prodromal and First-Episode Phases of Schizophrenia. Clinical Psychological Science, 2015, 3, 159-174.	2.4	21
53	Age-related differences in memory after attending to distinctiveness or similarity during learning. Aging, Neuropsychology, and Cognition, 2015, 22, 155-169.	0.7	17
54	Enhanced Avoidance Habits in Relation to History of Early-Life Stress. Frontiers in Psychology, 2019, 10, 1876.	1.1	17

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55	The effect of early-life stress on memory systems supporting instrumental behavior. <i>Hippocampus</i> , 2013, 23, 1025-1034.	0.9	16
56	Contextual interference enhances motor learning through increased resting brain connectivity during memory consolidation. <i>NeuroImage</i> , 2018, 181, 1-15.	2.1	15
57	Dissociating the effects of featural and conceptual interference on multiple target processing in rapid serial visual presentation. <i>Perception & Psychophysics</i> , 2000, 62, 187-195.	2.3	11
58	Long-term retinotopic priming in object identification. <i>Perception & Psychophysics</i> , 2000, 62, 953-959.	2.3	11
59	Concurrent discrimination learning in Parkinson's disease. <i>Behavioral Neuroscience</i> , 2010, 124, 1-8.	0.6	11
60	Framing effects in value-directed remembering. <i>Memory and Cognition</i> , 2022, 50, 1350-1361.	0.9	10
61	Interleaved practice benefits implicit sequence learning and transfer. <i>Memory and Cognition</i> , 2021, 49, 1436-1452.	0.9	9
62	White matter integrity in brain structures supporting semantic processing is associated with value-directed remembering in older adults. <i>Neuropsychologia</i> , 2019, 129, 246-254.	0.7	8
63	Early-life stress is associated with a preponderance of habitual responding in a novel instrumental avoidance learning paradigm. <i>Neurobiology of Learning and Memory</i> , 2020, 175, 107316.	1.0	8
64	Effects of Age-Related Stereotype Threat on Metacognition. <i>Frontiers in Psychology</i> , 2020, 11, 604978.	1.1	8
65	Cerebellar activation during motor sequence learning is associated with subsequent transfer to new sequences. <i>Behavioral Neuroscience</i> , 2016, 130, 572-584.	0.6	8
66	Responses of neurons in the medial temporal lobe during encoding and recognition of face-scene pairs. <i>Neuropsychologia</i> , 2016, 90, 200-209.	0.7	7
67	Episodic Memory for Dynamic Social Interaction Across Phase of Illness in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2018, 44, 620-630.	2.3	6
68	Social vs. non-social measures of learning potential for predicting community functioning across phase of illness in schizophrenia. <i>Schizophrenia Research</i> , 2019, 204, 104-110.	1.1	6
69	Visual priming of inverted and rotated objects. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009, 35, 837-848.	0.7	5
70	Benefit of interleaved practice of motor skills is associated with changes in functional brain network topology that differ between younger and older adults. <i>Neurobiology of Aging</i> , 2016, 42, 189-198.	1.5	5
71	Memory Recall for High Reward Value Items Correlates With Individual Differences in White Matter Pathways Associated With Reward Processing and Fronto-Temporal Communication. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 241.	1.0	5
72	When reasoning modifies memory: Schematic assimilation triggered by analogical mapping. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2014, 40, 1172-1180.	0.7	4

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73	Recall, recognition, and the medial temporal lobes. Behavioral and Brain Sciences, 1999, 22, 455-456.	0.4	3
74	The time course of object encoding. Acta Psychologica, 2009, 132, 213-220.	0.7	3
75	Relational complexity, the central executive, and prefrontal cortex. Behavioral and Brain Sciences, 1998, 21, 846-847.	0.4	2
76	Introduction to the special section on new ideas about cerebellar function.. Behavioral Neuroscience, 2016, 130, 545-546.	0.6	2
77	Chapter 10 Implicit learning and memory. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2008, 88, 225-236.	1.0	1
78	Retention systems of the brain: Evidence from neuropsychological patients. Behavioral and Brain Sciences, 2003, 26, 743-744.	0.4	0