

Barbara J Knowlton

List of Publications by Citations

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77
papers

9,797
citations

34
h-index

78
g-index

78
ext. papers

10,853
ext. citations

5.4
avg, IF

6.35
L-index

#	Paper	IF	Citations
77	The role of the basal ganglia in habit formation. <i>Nature Reviews Neuroscience</i> , 2006 , 7, 464-76	13.5	1634
76	Learning and memory functions of the Basal Ganglia. <i>Annual Review of Neuroscience</i> , 2002 , 25, 563-93	17	1384
75	Lesions of dorsolateral striatum preserve outcome expectancy but disrupt habit formation in instrumental learning. <i>European Journal of Neuroscience</i> , 2004 , 19, 181-9	3.5	870
74	Remembering episodes: a selective role for the hippocampus during retrieval. <i>Nature Neuroscience</i> , 2000 , 3, 1149-52	25.5	750
73	The role of the dorsomedial striatum in instrumental conditioning. <i>European Journal of Neuroscience</i> , 2005 , 22, 513-23	3.5	733
72	The learning of categories: parallel brain systems for item memory and category knowledge. <i>Science</i> , 1993 , 262, 1747-9	33.3	430
71	Modulation of competing memory systems by distraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11778-83	11.5	404
70	Inactivation of dorsolateral striatum enhances sensitivity to changes in the action-outcome contingency in instrumental conditioning. <i>Behavioural Brain Research</i> , 2006 , 166, 189-96	3.4	369
69	A dissociation of encoding and retrieval processes in the human hippocampus. <i>Journal of Neuroscience</i> , 2005 , 25, 3280-6	6.6	251
68	Intact Artificial Grammar Learning in Amnesia: Dissociation of Classification Learning and Explicit Memory for Specific Instances. <i>Psychological Science</i> , 1992 , 3, 172-179	7.9	240
67	A neurocomputational model of analogical reasoning and its breakdown in frontotemporal lobar degeneration. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 260-71	3.1	224
66	Contributions of striatal subregions to place and response learning. <i>Learning and Memory</i> , 2004 , 11, 459-68		162
65	Relational integration, inhibition, and analogical reasoning in older adults. <i>Psychology and Aging</i> , 2004 , 19, 581-91	3.6	151
64	Retrograde amnesia. <i>Hippocampus</i> , 2001 , 11, 50-5	3.5	143
63	Remembering and knowing: Two different expressions of declarative memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 1995 , 21, 699-710	2.2	140
62	An implicit learning task activates medial temporal lobe in patients with Parkinson's disease. <i>Behavioral Neuroscience</i> , 2004 , 118, 438-42	2.1	133
61	Neural substrates of motor memory consolidation depend on practice structure. <i>Nature Neuroscience</i> , 2010 , 13, 923-5	25.5	132

60	Intact implicit habit learning in Alzheimer's disease.. <i>Behavioral Neuroscience</i> , 2002 , 116, 722-726	2.1	108
59	Common and dissociable prefrontal loci associated with component mechanisms of analogical reasoning. <i>Cerebral Cortex</i> , 2010 , 20, 524-33	5.1	105
58	Distraction during relational reasoning: the role of prefrontal cortex in interference control. <i>Neuropsychologia</i> , 2008 , 46, 2020-32	3.2	92
57	A neurocomputational system for relational reasoning. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 373-81	14	91
56	The hippocampus, consolidation and on-line memory. <i>Current Opinion in Neurobiology</i> , 1998 , 8, 293-6	7.6	90
55	Effects of US devaluation on win-stay and win-shift radial maze performance in rats.. <i>Behavioral Neuroscience</i> , 2000 , 114, 295-306	2.1	81
54	The effect of testing procedure on remember-know judgments. <i>Psychonomic Bulletin and Review</i> , 2002 , 9, 139-45	4.1	77
53	Human hippocampal CA1 involvement during allocentric encoding of spatial information. <i>Journal of Neuroscience</i> , 2009 , 29, 10512-9	6.6	74
52	The relationship between remembering and knowing: a cognitive neuroscience perspective. <i>Acta Psychologica</i> , 1998 , 98, 253-65	1.7	66
51	Value-based modulation of memory encoding involves strategic engagement of fronto-temporal semantic processing regions. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014 , 14, 578-92	3.5	59
50	Brain-behavior correlates of optimizing learning through interleaved practice. <i>NeuroImage</i> , 2011 , 56, 1758-72	7.9	57
49	The neural correlates of recollection: hippocampal activation declines as episodic memory fades. <i>Hippocampus</i> , 2009 , 19, 265-72	3.5	53
48	Remember and know judgments during recognition in chronic schizophrenia. <i>Schizophrenia Research</i> , 2008 , 100, 181-90	3.6	47
47	Remember-Know judgments and retrieval of contextual details. <i>Acta Psychologica</i> , 2006 , 122, 160-73	1.7	42
46	Secondary-task effects on classification learning. <i>Memory and Cognition</i> , 2007 , 35, 864-74	2.2	40
45	Effects of aging on value-directed modulation of semantic network activity during verbal learning. <i>NeuroImage</i> , 2016 , 125, 1046-1062	7.9	38
44	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, 2652-62	3.1	37
43	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	3.6	34

42	Interleaved practice enhances skill learning and the functional connectivity of fronto-parietal networks. <i>Human Brain Mapping</i> , 2013 , 34, 1542-58	5.9	34
41	Age related differences in the neural substrates of motor sequence learning after interleaved and repetitive practice. <i>NeuroImage</i> , 2012 , 62, 2007-20	7.9	33
40	Putting the brakes on the brakes: negative emotion disrupts cognitive control network functioning and alters subsequent stopping ability. <i>Experimental Brain Research</i> , 2016 , 234, 3107-3118	2.3	27
39	Specific responses of human hippocampal neurons are associated with better memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10503-8	11.5	24
38	Hemispheric differences in object identification. <i>Brain and Cognition</i> , 2001 , 45, 119-28	2.7	24
37	Recognizing What Matters: Value Improves Recognition by Selectively Enhancing Recollection. <i>Journal of Memory and Language</i> , 2017 , 94, 195-205	3.8	23
36	Contextual interference effects in sequence learning for young and older adults. <i>Psychology and Aging</i> , 2010 , 25, 929-39	3.6	21
35	Free recall test experience potentiates strategy-driven effects of value on memory. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2017 , 43, 1581-1601	2.2	20
34	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. <i>Clinical Psychological Science</i> , 2015 , 3, 159-174	6	19
33	Forget me not: Encoding processes in value-directed remembering. <i>Journal of Memory and Language</i> , 2019 , 106, 29-39	3.8	18
32	Habit Formation and the Striatum. <i>Current Topics in Behavioral Neurosciences</i> , 2018 , 37, 275-295	3.4	18
31	Enhanced motor learning in older adults is accompanied by increased bilateral frontal and fronto-parietal connectivity. <i>Brain Connectivity</i> , 2012 , 2, 56-68	2.7	17
30	The impact of cerebellar transcranial direct current stimulation (tDCS) on learning fine-motor sequences. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	15
29	Paradoxical Decision-Making: A Framework for Understanding Cognition in Parkinson's Disease. <i>Trends in Neurosciences</i> , 2018 , 41, 512-525	13.3	13
28	The effect of early-life stress on memory systems supporting instrumental behavior. <i>Hippocampus</i> , 2013 , 23, 1025-34	3.5	12
27	Age-related differences in memory after attending to distinctiveness or similarity during learning. <i>Aging, Neuropsychology, and Cognition</i> , 2015 , 22, 155-69	2.1	12
26	The effects of value on context-item associative memory in younger and older adults. <i>Psychology and Aging</i> , 2018 , 33, 46-56	3.6	11
25	Concurrent discrimination learning in Parkinson's disease. <i>Behavioral Neuroscience</i> , 2010 , 124, 1-8	2.1	10

24	Dissociating the effects of featural and conceptual interference on multiple target processing in rapid serial visual presentation. <i>Perception & Psychophysics</i> , 2000 , 62, 187-95		10
23	Long-term retinotopic priming in object identification. <i>Perception & Psychophysics</i> , 2000 , 62, 953-9		10
22	Contextual interference enhances motor learning through increased resting brain connectivity during memory consolidation. <i>NeuroImage</i> , 2018 , 181, 1-15	7.9	9
21	Enhanced Avoidance Habits in Relation to History of Early-Life Stress. <i>Frontiers in Psychology</i> , 2019 , 10, 1876	3.4	8
20	Memory and Reward-Based Learning: A Value-Directed Remembering Perspective. <i>Annual Review of Psychology</i> , 2021 ,	26.1	8
19	Cerebellar activation during motor sequence learning is associated with subsequent transfer to new sequences. <i>Behavioral Neuroscience</i> , 2016 , 130, 572-84	2.1	7
18	Responses of neurons in the medial temporal lobe during encoding and recognition of face-scene pairs. <i>Neuropsychologia</i> , 2016 , 90, 200-9	3.2	6
17	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	3.2	5
16	Interleaved practice benefits implicit sequence learning and transfer. <i>Memory and Cognition</i> , 2021 , 49, 1436-1452	2.2	5
15	Stimulation of the right entorhinal white matter enhances visual memory encoding in humans. <i>Brain Stimulation</i> , 2021 , 14, 131-140	5.1	4
14	Episodic Memory for Dynamic Social Interaction Across Phase of Illness in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2018 , 44, 620-630	1.3	3
13	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, 189-98 ^{5.6}		3
12	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	3.3	3
11	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	3.6	3
10	When reasoning modifies memory: schematic assimilation triggered by analogical mapping. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2014 , 40, 1172-80	2.2	3
9	The time course of object encoding. <i>Acta Psychologica</i> , 2009 , 132, 213-20	1.7	3
8	Visual priming of inverted and rotated objects. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009 , 35, 837-48	2.2	3
7	Recall, recognition, and the medial temporal lobes. <i>Behavioral and Brain Sciences</i> , 1999 , 22, 455-456	0.9	3

6	Effects of Age-Related Stereotype Threat on Metacognition. <i>Frontiers in Psychology</i> , 2020 , 11, 604978	3.4	3
5	Relational complexity, the central executive, and prefrontal cortex. <i>Behavioral and Brain Sciences</i> , 1998 , 21, 846-847	0.9	2
4	Introduction to the special section on new ideas about cerebellar function. <i>Behavioral Neuroscience</i> , 2016 , 130, 545-546	2.1	2
3	Implicit learning and memory. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2008 , 88, 225-36	3	1
2	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	3.1	0
1	Retention systems of the brain: Evidence from neuropsychological patients. <i>Behavioral and Brain Sciences</i> , 2003 , 26, 743-744	0.9	