

# Barbara J Knowlton

## List of Publications by Year in Descending Order

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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.

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	Interleaved practice benefits implicit sequence learning and transfer. <i>Memory and Cognition</i> , <b>2021</b> , 49, 1436-1452	2.2	5
76	Stimulation of the right entorhinal white matter enhances visual memory encoding in humans. <i>Brain Stimulation</i> , <b>2021</b> , 14, 131-140	5.1	4
75	Memory and Reward-Based Learning: A Value-Directed Remembering Perspective. <i>Annual Review of Psychology</i> , <b>2021</b> ,	26.1	8
74	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> , <b>2020</b> , 175, 107316	3.1	0
73	Effects of Age-Related Stereotype Threat on Metacognition. <i>Frontiers in Psychology</i> , <b>2020</b> , 11, 604978	3.4	3
72	Enhanced Avoidance Habits in Relation to History of Early-Life Stress. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 1876	3.4	8
71	Forget me not: Encoding processes in value-directed remembering. <i>Journal of Memory and Language</i> , <b>2019</b> , 106, 29-39	3.8	18
70	White matter integrity in brain structures supporting semantic processing is associated with value-directed remembering in older adults. <i>Neuropsychologia</i> , <b>2019</b> , 129, 246-254	3.2	5
69	Social vs. non-social measures of learning potential for predicting community functioning across phase of illness in schizophrenia. <i>Schizophrenia Research</i> , <b>2019</b> , 204, 104-110	3.6	3
68	Episodic Memory for Dynamic Social Interaction Across Phase of Illness in Schizophrenia. <i>Schizophrenia Bulletin</i> , <b>2018</b> , 44, 620-630	1.3	3
67	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> , <b>2018</b> , 12, 241	3.3	3
66	Paradoxical Decision-Making: A Framework for Understanding Cognition in Parkinson's Disease. <i>Trends in Neurosciences</i> , <b>2018</b> , 41, 512-525	13.3	13
65	The effects of value on context-item associative memory in younger and older adults. <i>Psychology and Aging</i> , <b>2018</b> , 33, 46-56	3.6	11
64	Habit Formation and the Striatum. <i>Current Topics in Behavioral Neurosciences</i> , <b>2018</b> , 37, 275-295	3.4	18
63	Contextual interference enhances motor learning through increased resting brain connectivity during memory consolidation. <i>NeuroImage</i> , <b>2018</b> , 181, 1-15	7.9	9
62	Recognizing What Matters: Value Improves Recognition by Selectively Enhancing Recollection. <i>Journal of Memory and Language</i> , <b>2017</b> , 94, 195-205	3.8	23
61	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> , <b>2017</b> , 372,	5.8	15

60	Free recall test experience potentiates strategy-driven effects of value on memory. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2017</b> , 43, 1581-1601	2.2	20
59	Effects of aging on value-directed modulation of semantic network activity during verbal learning. <i>NeuroImage</i> , <b>2016</b> , 125, 1046-1062	7.9	38
58	Longitudinal stability of social cognition in schizophrenia: A 5-year follow-up of social perception and emotion processing. <i>Schizophrenia Research</i> , <b>2016</b> , 176, 467-472	3.6	34
57	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> , <b>2016</b> , 42, 189-98 <sup>5.6</sup>		3
56	Cerebellar activation during motor sequence learning is associated with subsequent transfer to new sequences. <i>Behavioral Neuroscience</i> , <b>2016</b> , 130, 572-84	2.1	7
55	Introduction to the special section on new ideas about cerebellar function. <i>Behavioral Neuroscience</i> , <b>2016</b> , 130, 545-546	2.1	2
54	Putting the brakes on the brakes: negative emotion disrupts cognitive control network functioning and alters subsequent stopping ability. <i>Experimental Brain Research</i> , <b>2016</b> , 234, 3107-3118	2.3	27
53	Responses of neurons in the medial temporal lobe during encoding and recognition of face-scene pairs. <i>Neuropsychologia</i> , <b>2016</b> , 90, 200-9	3.2	6
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. <i>Clinical Psychological Science</i> , <b>2015</b> , 3, 159-174	6	19
51	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> , <b>2015</b> , 112, 10503-8	11.5	24
50	Age-related differences in memory after attending to distinctiveness or similarity during learning. <i>Aging, Neuropsychology, and Cognition</i> , <b>2015</b> , 22, 155-69	2.1	12
49	Value-based modulation of memory encoding involves strategic engagement of fronto-temporal semantic processing regions. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2014</b> , 14, 578-92	3.5	59
48	When reasoning modifies memory: schematic assimilation triggered by analogical mapping. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2014</b> , 40, 1172-80	2.2	3
47	Interleaved practice enhances skill learning and the functional connectivity of fronto-parietal networks. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 1542-58	5.9	34
46	The effect of early-life stress on memory systems supporting instrumental behavior. <i>Hippocampus</i> , <b>2013</b> , 23, 1025-34	3.5	12
45	A neurocomputational system for relational reasoning. <i>Trends in Cognitive Sciences</i> , <b>2012</b> , 16, 373-81	14	91
44	Age related differences in the neural substrates of motor sequence learning after interleaved and repetitive practice. <i>NeuroImage</i> , <b>2012</b> , 62, 2007-20	7.9	33
43	Enhanced motor learning in older adults is accompanied by increased bilateral frontal and fronto-parietal connectivity. <i>Brain Connectivity</i> , <b>2012</b> , 2, 56-68	2.7	17

42	Brain-behavior correlates of optimizing learning through interleaved practice. <i>NeuroImage</i> , <b>2011</b> , 56, 1758-72	7.9	57
41	Neural substrates of motor memory consolidation depend on practice structure. <i>Nature Neuroscience</i> , <b>2010</b> , 13, 923-5	25.5	132
40	Common and dissociable prefrontal loci associated with component mechanisms of analogical reasoning. <i>Cerebral Cortex</i> , <b>2010</b> , 20, 524-33	5.1	105
39	Neural activity in the hippocampus and perirhinal cortex during encoding is associated with the durability of episodic memory. <i>Journal of Cognitive Neuroscience</i> , <b>2010</b> , 22, 2652-62	3.1	37
38	Concurrent discrimination learning in Parkinson's disease. <i>Behavioral Neuroscience</i> , <b>2010</b> , 124, 1-8	2.1	10
37	Contextual interference effects in sequence learning for young and older adults. <i>Psychology and Aging</i> , <b>2010</b> , 25, 929-39	3.6	21
36	Human hippocampal CA1 involvement during allocentric encoding of spatial information. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 10512-9	6.6	74
35	The neural correlates of recollection: hippocampal activation declines as episodic memory fades. <i>Hippocampus</i> , <b>2009</b> , 19, 265-72	3.5	53
34	The time course of object encoding. <i>Acta Psychologica</i> , <b>2009</b> , 132, 213-20	1.7	3
33	Visual priming of inverted and rotated objects. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2009</b> , 35, 837-48	2.2	3
32	Distraction during relational reasoning: the role of prefrontal cortex in interference control. <i>Neuropsychologia</i> , <b>2008</b> , 46, 2020-32	3.2	92
31	Remember and know judgments during recognition in chronic schizophrenia. <i>Schizophrenia Research</i> , <b>2008</b> , 100, 181-90	3.6	47
30	Implicit learning and memory. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2008</b> , 88, 225-36	3	1
29	Secondary-task effects on classification learning. <i>Memory and Cognition</i> , <b>2007</b> , 35, 864-74	2.2	40
28	Modulation of competing memory systems by distraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 11778-83	11.5	404
27	Inactivation of dorsolateral striatum enhances sensitivity to changes in the action-outcome contingency in instrumental conditioning. <i>Behavioural Brain Research</i> , <b>2006</b> , 166, 189-96	3.4	369
26	The role of the basal ganglia in habit formation. <i>Nature Reviews Neuroscience</i> , <b>2006</b> , 7, 464-76	13.5	1634
25	Remember-Know judgments and retrieval of contextual details. <i>Acta Psychologica</i> , <b>2006</b> , 122, 160-73	1.7	42

24	The role of the dorsomedial striatum in instrumental conditioning. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 513-23	3.5	733
23	A dissociation of encoding and retrieval processes in the human hippocampus. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 3280-6	6.6	251
22	Contributions of striatal subregions to place and response learning. <i>Learning and Memory</i> , <b>2004</b> , 11, 459-68	6.8	162
21	Lesions of dorsolateral striatum preserve outcome expectancy but disrupt habit formation in instrumental learning. <i>European Journal of Neuroscience</i> , <b>2004</b> , 19, 181-9	3.5	870
20	A neurocomputational model of analogical reasoning and its breakdown in frontotemporal lobar degeneration. <i>Journal of Cognitive Neuroscience</i> , <b>2004</b> , 16, 260-71	3.1	224
19	Relational integration, inhibition, and analogical reasoning in older adults. <i>Psychology and Aging</i> , <b>2004</b> , 19, 581-91	3.6	151
18	An implicit learning task activates medial temporal lobe in patients with Parkinson's disease. <i>Behavioral Neuroscience</i> , <b>2004</b> , 118, 438-42	2.1	133
17	Retention systems of the brain: Evidence from neuropsychological patients. <i>Behavioral and Brain Sciences</i> , <b>2003</b> , 26, 743-744	0.9	
16	The effect of testing procedure on remember-know judgments. <i>Psychonomic Bulletin and Review</i> , <b>2002</b> , 9, 139-45	4.1	77
15	Intact implicit habit learning in Alzheimer's disease. <i>Behavioral Neuroscience</i> , <b>2002</b> , 116, 722-726	2.1	108
14	Learning and memory functions of the Basal Ganglia. <i>Annual Review of Neuroscience</i> , <b>2002</b> , 25, 563-93	17	1384
13	Retrograde amnesia. <i>Hippocampus</i> , <b>2001</b> , 11, 50-5	3.5	143
12	Hemispheric differences in object identification. <i>Brain and Cognition</i> , <b>2001</b> , 45, 119-28	2.7	24
11	Effects of US devaluation on win-stay and win-shift radial maze performance in rats. <i>Behavioral Neuroscience</i> , <b>2000</b> , 114, 295-306	2.1	81
10	Remembering episodes: a selective role for the hippocampus during retrieval. <i>Nature Neuroscience</i> , <b>2000</b> , 3, 1149-52	25.5	750
9	Dissociating the effects of featural and conceptual interference on multiple target processing in rapid serial visual presentation. <i>Perception &amp; Psychophysics</i> , <b>2000</b> , 62, 187-95		10
8	Long-term retinotopic priming in object identification. <i>Perception &amp; Psychophysics</i> , <b>2000</b> , 62, 953-9		10
7	Recall, recognition, and the medial temporal lobes. <i>Behavioral and Brain Sciences</i> , <b>1999</b> , 22, 455-456	0.9	3

6	The relationship between remembering and knowing: a cognitive neuroscience perspective. <i>Acta Psychologica</i> , <b>1998</b> , 98, 253-65	1.7	66
5	The hippocampus, consolidation and on-line memory. <i>Current Opinion in Neurobiology</i> , <b>1998</b> , 8, 293-6	7.6	90
4	Relational complexity, the central executive, and prefrontal cortex. <i>Behavioral and Brain Sciences</i> , <b>1998</b> , 21, 846-847	0.9	2
3	Remembering and knowing: Two different expressions of declarative memory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>1995</b> , 21, 699-710	2.2	140
2	The learning of categories: parallel brain systems for item memory and category knowledge. <i>Science</i> , <b>1993</b> , 262, 1747-9	33.3	430
1	Intact Artificial Grammar Learning in Amnesia: Dissociation of Classification Learning and Explicit Memory for Specific Instances. <i>Psychological Science</i> , <b>1992</b> , 3, 172-179	7.9	240