Mark A Gluck

List of Publications by Year
in descending order

112 papers	7,095 citations	81900 39 h-index	60623 81 g-index
113 all docs	113 docs citations	113 times ranked	5059 citing authors

#	Article	IF	Citations
1	Low body mass and high-quality sleep maximize the ability of aerobic fitness to promote improved cognitive function in older African Americans. Ethnicity and Health, 2022, 27, 909-928.	2.5	4
2	Sleep Facilitates Extraction of Temporal Regularities With Varying Timescales. Frontiers in Behavioral Neuroscience, 2022, 16, 847083.	2.0	2
3	Increased dynamic flexibility in the medial temporal lobe network following an exercise intervention mediates generalization of prior learning. Neurobiology of Learning and Memory, 2021, 177, 107340.	1.9	10
4	Sleep to remember, sleep to forget: Rapid eye movement sleep can have inverse effects on recall and generalization of fear memories. Neurobiology of Learning and Memory, 2021, 180, 107413.	1.9	10
5	Age-Related Decline in Learning Deterministic Judgment-Based Sequences. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2020, 75, 961-969.	3.9	2
6	ABCA7 Genotype Moderates the Effect of Aerobic Exercise Intervention on Generalization of Prior Learning in Healthy Older African Americans. Journal of Alzheimer's Disease, 2020, 74, 309-318.	2.6	5
7	Sleep and the extraction of hidden regularities: A systematic review and the importance of temporal rules. Sleep Medicine Reviews, 2019, 47, 39-50.	8.5	45
8	ABCA7 Risk Genotype Diminishes the Neuroprotective Value of Aerobic Fitness in Healthy Older African Americans. Frontiers in Aging Neuroscience, 2019, 11, 73.	3.4	6
9	Transcranial Current Stimulation During Sleep Facilitates Insight into Temporal Rules, but does not Consolidate Memories of Individual Sequential Experiences. Scientific Reports, 2019, 9, 1516.	3.3	13
10	The Effects of APOE and ABCA7 on Cognitive Function and Alzheimerâ€™s Disease Risk in African Americans: A Focused Mini Review. Frontiers in Human Neuroscience, 2019, 13, 387.	2.0	14
11	ABCA7 risk variant in healthy older African Americans is associated with a functionally isolated entorhinal cortex mediating deficient generalization of prior discrimination training. Hippocampus, 2019, 29, 527-538.	1.9	21
12	Impairment of memory generalization in preclinical autosomal dominant Alzheimer's disease mutation carriers. Neurobiology of Aging, 2018, 65, 149-157.	3.1	7
13	Age affects reinforcement learning through dopamine-based learning imbalance and high decision noiseâ€”not through Parkinsonian mechanisms. Neurobiology of Aging, 2018, 68, 102-113.	3.1	21
14	Aging and a genetic KIBRA polymorphism interactively affect feedback- and observation-based probabilistic classification learning. Neurobiology of Aging, 2018, 61, 36-43.	3.1	7
15	Individual Differences in Slow-Wave-Sleep Predict Acquisition of Full Cognitive Maps. Frontiers in Human Neuroscience, 2018, 12, 404.	2.0	11
16	APOE Îµ4 status in healthy older African Americans is associated with deficits in pattern separation and hippocampal hyperactivation. Neurobiology of Aging, 2018, 69, 221-229.	3.1	36
17	Recruiting Older African Americans to Brain Health and Aging Research Through Community Engagement: Lessons from the African-American Brain Health Initiative at Rutgers University-Newark. Generations, 2018, 42, 78-82.	1.0	12
18	Motorâ€symptom laterality affects acquisition in Parkinson's disease: A cognitive and functional magnetic resonance imaging study. Movement Disorders, 2017, 32, 1047-1055.	3.9	26

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19	Baseline Levels of Rapid Eye Movement Sleep May Protect Against Excessive Activity in Fear-Related Neural Circuitry. Journal of Neuroscience, 2017, 37, 11233-11244.	3.6	22
20	Depression Reduces Accuracy While Parkinsonism Slows Response Time for Processing Positive Feedback in Patients with Parkinsonâ€™s Disease with Comorbid Major Depressive Disorder Tested on a Probabilistic Category-Learning Task. Frontiers in Psychiatry, 2017, 8, 84.	2.6	16
21	Generalized Anxiety Disorder and Social Anxiety Disorder, but Not Panic Anxiety Disorder, Are Associated with Higher Sensitivity to Learning from Negative Feedback: Behavioral and Computational Investigation. Frontiers in Integrative Neuroscience, 2016, 10, 20.	2.1	12
22	Deficits in hippocampalâ€dependent transfer generalization learning accompany synaptic dysfunction in a mouse model of amyloidosis. Hippocampus, 2016, 26, 455-471.	1.9	8
23	The influence of sleep on emotional and cognitive processing is primarily trait- (but not state-) dependent. Neurobiology of Learning and Memory, 2016, 134, 275-286.	1.9	20
24	Effect of the Putative Lithium Mimetic Ebselen on Brain Myo-Inositol, Sleep, and Emotional Processing in Humans. Neuropsychopharmacology, 2016, 41, 1768-1778.	5.4	85
25	Amnesic patients show superior generalization in category learning.. Neuropsychology, 2016, 30, 915-919.	1.3	6
26	The influence of trial order on learning from reward vs. punishment in a probabilistic categorization task: experimental and computational analyses. Frontiers in Behavioral Neuroscience, 2015, 9, 153.	2.0	12
27	Love to Win or Hate to Lose? Asymmetry of Dopamine D2 Receptor Binding Predicts Sensitivity to Reward versus Punishment. Journal of Cognitive Neuroscience, 2014, 26, 1039-1048.	2.3	53
28	Hippocampal BOLD response during category learning predicts subsequent performance on transfer generalization. Human Brain Mapping, 2014, 35, 3122-3131.	3.6	6
29	A model of reversal learning and working memory in medicated and unmedicated patients with Parkinsonâ€™s disease. Journal of Mathematical Psychology, 2014, 59, 120-131.	1.8	2
30	A decrement in probabilistic category learning in cocaine users after controlling for marijuana and alcohol use.. Experimental and Clinical Psychopharmacology, 2014, 22, 65-74.	1.8	9
31	Why trace and delay conditioning are sometimes (but not always) hippocampal dependent: A computational model. Brain Research, 2013, 1493, 48-67.	2.2	27
32	Depression impairs learning, whereas the selective serotonin reuptake inhibitor, paroxetine, impairs generalization in patients with major depressive disorder. Journal of Affective Disorders, 2013, 151, 484-492.	4.1	27
33	Adult age differences in learning and generalization of feedback-based associations.. Psychology and Aging, 2013, 28, 937-947.	1.6	15
34	Enhanced avoidance learning in behaviorally inhibited young men and women. Stress, 2013, 16, 289-299.	1.8	27
35	Learning from negative feedback in patients with major depressive disorder is attenuated by SSRI antidepressants. Frontiers in Integrative Neuroscience, 2013, 7, 67.	2.1	58
36	Impaired Generalization of Associative Learning in Patients with Alcohol Dependence After Intermediate-term Abstinence. Alcohol and Alcoholism, 2012, 47, 533-537.	1.6	13

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37	Individuals with posttraumatic stress disorder show a selective deficit in generalization of associative learning.. Neuropsychology, 2012, 26, 758-767.	1.3	38
38	General functioning predicts reward and punishment learning in schizophrenia. Schizophrenia Research, 2011, 127, 131-136.	2.0	42
39	A Neurocomputational Model of Dopamine and Prefrontalâ€“Striatal Interactions during Multicue Category Learning by Parkinson Patients. Journal of Cognitive Neuroscience, 2011, 23, 151-167.	2.3	45
40	Impaired context reversal learning, but not cue reversal learning, in patients with amnestic mild cognitive impairment. Neuropsychologia, 2011, 49, 3320-3326.	1.6	33
41	Computational cognitive models of prefrontal-striatal-hippocampal interactions in Parkinsonâ€™s disease and schizophrenia. Neural Networks, 2011, 24, 575-591.	5.9	37
42	Functional specialization within the striatum along both the dorsal/ventral and anterior/posterior axes during associative learning via reward and punishment. Learning and Memory, 2011, 18, 703-711.	1.3	59
43	Depression Impairs Learning Whereas Anticholinergics Impair Transfer Generalization in Parkinson Patients Tested on Dopaminergic Medications. Cognitive and Behavioral Neurology, 2010, 23, 98-105.	0.9	21
44	Î±-Synuclein gene duplication impairs reward learning. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15992-15994.	7.1	32
45	Relative Risk of Probabilistic Category Learning Deficits in Patients with Schizophrenia and Their Siblings. Biological Psychiatry, 2010, 67, 948-955.	1.3	36
46	A neural model of hippocampalâ€“striatal interactions in associative learning and transfer generalization in various neurological and psychiatric patients. Brain and Cognition, 2010, 74, 132-144.	1.8	43
47	Reward-learning and the novelty-seeking personality: a between- and within-subjects study of the effects of dopamine agonists on young Parkinson's patients. Brain, 2009, 132, 2385-2395.	7.6	310
48	Neural Correlates of Probabilistic Category Learning in Patients with Schizophrenia. Journal of Neuroscience, 2009, 29, 1244-1254.	3.6	69
49	Dopaminergic Drugs Modulate Learning Rates and Perseveration in Parkinson's Patients in a Dynamic Foraging Task. Journal of Neuroscience, 2009, 29, 15104-15114.	3.6	213
50	Distinct Hippocampal and Basal Ganglia Contributions to Probabilistic Learning and Reversal. Journal of Cognitive Neuroscience, 2009, 21, 1820-1832.	2.3	61
51	A neurocomputational model of classical conditioning phenomena: A putative role for the hippocampal region in associative learning. Brain Research, 2009, 1276, 180-195.	2.2	39
52	Associative Learning, Acquired Equivalence, and Flexible Generalization of Knowledge in Mild Alzheimer Disease. Cognitive and Behavioral Neurology, 2009, 22, 89-94.	0.9	37
53	The role of the orbitofrontal cortex in human discrimination learning. Neuropsychologia, 2008, 46, 1326-1337.	1.6	23
54	How to find the way out from four rooms? The learning of â€œchainingâ€•associations may shed light on the neuropsychology of the deficit syndrome of schizophrenia. Schizophrenia Research, 2008, 99, 200-207.	2.0	34

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55	Stimulusâ€“response learning in long-term cocaine users: Acquired equivalence and probabilistic category learning. Drug and Alcohol Dependence, 2008, 93, 155-162.	3.2	22
56	Associative Learning Over Trials Activates the Hippocampus in Healthy Elderly but not Mild Cognitive Impairment. Aging, Neuropsychology, and Cognition, 2008, 15, 129-145.	1.3	33
57	Learning and Generalization Tasks Predict Short-Term Cognitive Outcome in Nondemented Elderly. Journal of Geriatric Psychiatry and Neurology, 2008, 21, 93-103.	2.3	21
58	Learning and generalization deficits in patients with memory impairments due to anterior communicating artery aneurysm rupture or hypoxic brain injury.. Neuropsychology, 2008, 22, 681-686.	1.3	35
59	Associative learning in deficit and nondeficit schizophrenia. NeuroReport, 2008, 19, 55-58.	1.2	34
60	Cognitive sequence learning in Parkinson's disease and amnestic mild cognitive impairment: Dissociation between sequential and non-sequential learning of associations. Neuropsychologia, 2007, 45, 1386-1392.	1.6	33
61	l-dopa impairs learning, but spares generalization, in Parkinson's disease. Neuropsychologia, 2006, 44, 774-784.	1.6	135
62	Computational Models of the Hippocampal Region: Implications for Prediction of Risk for Alzheimers Disease in Non-demented Elderly. Current Alzheimer Research, 2006, 3, 247-257.	1.4	17
63	Strategies in probabilistic categorization: Results from a new way of analyzing performance. Learning and Memory, 2006, 13, 230-239.	1.3	58
64	Cortico-hippocampal interaction and adaptive stimulus representation: A neurocomputational theory of associative learning and memory. Neural Networks, 2005, 18, 1265-1279.	5.9	22
65	Neural Mechanisms Underlying Probabilistic Category Learning in Normal Aging. Journal of Neuroscience, 2005, 25, 11340-11348.	3.6	95
66	The role of dopamine in cognitive sequence learning: evidence from Parkinsonâ€™s disease. Behavioural Brain Research, 2005, 156, 191-199.	2.2	99
67	Dissociation between medial temporal lobe and basal ganglia memory systems in schizophrenia. Schizophrenia Research, 2005, 77, 321-328.	2.0	60
68	Dissociating medial temporal and basal ganglia memory systems with a latent learning task. Neuropsychologia, 2003, 41, 1919-1928.	1.6	36
69	Dissociating Hippocampal versus Basal Ganglia Contributions to Learning and Transfer. Journal of Cognitive Neuroscience, 2003, 15, 185-193.	2.3	184
70	Computational models of the hippocampal region: linking incremental learning and episodic memory. Trends in Cognitive Sciences, 2003, 7, 269-276.	7.8	74
71	How do People Solve the â€œWeather Predictionâ€•Task?: Individual Variability in Strategies for Probabilistic Category Learning. Learning and Memory, 2002, 9, 408-418.	1.3	213
72	A connectionist model of septohippocampal dynamics during conditioning: Closing the loop.. Behavioral Neuroscience, 2002, 116, 48-62.	1.2	27

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73	Hippocampal Atrophy Disrupts Transfer Generalization in Nondemented Elderly. Journal of Geriatric Psychiatry and Neurology, 2002, 15, 82-90.	2.3	61
74	A connectionist approach to processing dimensional interaction. Connection Science, 2002, 14, 1-48.	3.0	6
75	A comparison of latent inhibition and learned irrelevance pre-exposure effects in rabbit and human eyeblink conditioning. Integrative Psychological and Behavioral Science, 2002, 37, 188-214.	0.3	22
76	Blocking in rabbit eyeblink conditioning is not due to learned inattention: Indirect support for an error correction mechanism of blocking. Integrative Psychological and Behavioral Science, 2002, 37, 254-264.	0.3	4
77	Dissociating basal forebrain and medial temporal amnesic syndromes: Insights from classical conditioning. Integrative Psychological and Behavioral Science, 2002, 37, 85-102.	0.3	11
78	Selective entorhinal and nonselective cortical-hippocampal region lesions, but not selective hippocampal lesions, disrupt learned irrelevance in rabbit eyeblink conditioning. Cognitive, Affective and Behavioral Neuroscience, 2002, 2, 214-226.	2.0	18
79	Selective hippocampal lesions disrupt a novel cue effect but fail to eliminate blocking in rabbit eyeblink conditioning. Cognitive, Affective and Behavioral Neuroscience, 2002, 2, 318-328.	2.0	11
80	Cerebellar Substrates for Error Correction in Motor Conditioning. Neurobiology of Learning and Memory, 2001, 76, 314-341.	1.9	41
81	Impaired delay eyeblink classical conditioning in individuals with anterograde amnesia resulting from anterior communicating artery aneurysm rupture.. Behavioral Neuroscience, 2001, 115, 560-570.	1.2	22
82	Parallel neural systems for classical conditioning: Support from computational modeling. Integrative Psychological and Behavioral Science, 2001, 36, 36-61.	0.3	7
83	A computational model of mechanisms controlling experience-dependent reorganization of representational maps in auditory cortex. Cognitive, Affective and Behavioral Neuroscience, 2001, 1, 37-55.	2.0	16
84	Dissociating entorhinal and hippocampal involvement in latent inhibition.. Behavioral Neuroscience, 2000, 114, 867-874.	1.2	67
85	A dynamic model of learning in the septo-hippocampal system. Neurocomputing, 2000, 32-33, 501-507.	5.9	2
86	Nonlinear Autoassociation Is Not Equivalent to PCA. Neural Computation, 2000, 12, 531-545.	2.2	132
87	Stimulus exposure effects in human associative learning. Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology, 2000, 53, 173-187.	2.8	9
88	Psychobiological Models of Hippocampal Function in Learning and Memory. , 1998, , 417-448.		3
89	Further implications of a computational model of septohippocampal cholinergic modulation in eyeblink conditioning. Cognitive, Affective and Behavioral Neuroscience, 1998, 26, 1-20.	1.3	21
90	Extending Models of Hippocampal Function in Animal Conditioning to Human Amnesia. Memory, 1997, 5, 179-212.	1.7	46

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91	PSYCHOBIOLOGICAL MODELS OF HIPPOCAMPAL FUNCTION IN LEARNING AND MEMORY. Annual Review of Psychology, 1997, 48, 481-514.	17.7	102
92	A Neural-Network Approach to Adaptive Similarity and Stimulus Representations in Cortico-Hippocampal Function. Advances in Psychology, 1997, 121, 220-241.	0.1	0
93	Cortico-hippocampal representations in simultaneous odor discrimination: A computational interpretation of Eichenbaum, Mathews, and Cohen (1989).. Behavioral Neuroscience, 1996, 110, 685-706.	1.2	25
94	Integrating behavioral and physiological models of hippocampal function. , 1996, 6, 643-653.		17
95	Intact delay-eyeblink classical conditioning in amnesia.. Behavioral Neuroscience, 1995, 109, 819-827.	1.2	255
96	Representation and Association in Memory: A Neurocomputational View of Hippocampal Function. Current Directions in Psychological Science, 1995, 4, 23-29.	5.3	25
97	Dissociation of hippocampal and entorhinal function in associative learning: A computational approach. Cognitive, Affective and Behavioral Neuroscience, 1995, 23, 116-138.	1.3	54
98	Can procedural learning be equated with unconscious learning or rule-based learning?. Behavioral and Brain Sciences, 1994, 17, 408-409.	0.7	0
99	A computational perspective on dissociating hippocampal and entorhinal function. Behavioral and Brain Sciences, 1994, 17, 476-477.	0.7	9
100	Tests of an Adaptive Network Model for the Identification and Categorization of Continuous-dimension Stimuli. Connection Science, 1994, 6, 59-89.	3.0	134
101	Comparing modes of rule-based classification learning: A replication and extension of Shepard, Hovland, and Jenkins (1961). Memory and Cognition, 1994, 22, 352-369.	1.6	207
102	Context, conditioning, and hippocampal rerepresentation in animal learning.. Behavioral Neuroscience, 1994, 108, 835-847.	1.2	122
103	Hippocampal mediation of stimulus representation: A computational theory. Hippocampus, 1993, 3, 491-516.	1.9	453
104	Computational Models of the Neural Bases of Learning and Memory. Annual Review of Neuroscience, 1993, 16, 667-706.	10.7	92
105	Explaining basic categories: Feature predictability and information.. Psychological Bulletin, 1992, 111, 291-303.	6.1	166
106	Stimulus Generalization and Representation in Adaptive Network Models of Category Learning. Psychological Science, 1991, 2, 50-55.	3.3	170
107	Component and pattern information in adaptive networks.. Journal of Experimental Psychology: General, 1990, 119, 105-109.	2.1	29
108	Integrating Behavioral and Biological Models of Classical Conditioning. Psychology of Learning and Motivation - Advances in Research and Theory, 1989, , 109-156.	1.1	37

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109	Evaluating an adaptive network model of human learning. Journal of Memory and Language, 1988, 27, 166-195.	2.1	275
110	From conditioning to category learning: An adaptive network model.. Journal of Experimental Psychology: General, 1988, 117, 227-247.	2.1	697
111	Modeling the neural substrates of associative learning and memory: A computational approach.. Psychological Review, 1987, 94, 176-191.	3.8	218
112	Pictures and names: Making the connection. Cognitive Psychology, 1984, 16, 243-275.	2.2	469