

Mark A Gluck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11118794/publications.pdf>

Version: 2024-02-01

112
papers

7,095
citations

81839

39
h-index

60583

81
g-index

113
all docs

113
docs citations

113
times ranked

5059
citing authors

#	ARTICLE	IF	CITATIONS
1	From conditioning to category learning: An adaptive network model.. Journal of Experimental Psychology: General, 1988, 117, 227-247.	1.5	697
2	Pictures and names: Making the connection. Cognitive Psychology, 1984, 16, 243-275.	0.9	469
3	Hippocampal mediation of stimulus representation: A computational theory. Hippocampus, 1993, 3, 491-516.	0.9	453
4	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.	3.7	310
5	Evaluating an adaptive network model of human learning. Journal of Memory and Language, 1988, 27, 166-195.	1.1	275
6	Intact delay-eyeblick classical conditioning in amnesia.. Behavioral Neuroscience, 1995, 109, 819-827.	0.6	255
7	Modeling the neural substrates of associative learning and memory: A computational approach.. Psychological Review, 1987, 94, 176-191.	2.7	218
8	How do People Solve the "Weather Prediction" Task?: Individual Variability in Strategies for Probabilistic Category Learning. Learning and Memory, 2002, 9, 408-418.	0.5	213
9	Dopaminergic Drugs Modulate Learning Rates and Perseveration in Parkinson's Patients in a Dynamic Foraging Task. Journal of Neuroscience, 2009, 29, 15104-15114.	1.7	213
10	Comparing modes of rule-based classification learning: A replication and extension of Shepard, Hovland, and Jenkins (1961). Memory and Cognition, 1994, 22, 352-369.	0.9	207
11	Dissociating Hippocampal versus Basal Ganglia Contributions to Learning and Transfer. Journal of Cognitive Neuroscience, 2003, 15, 185-193.	1.1	184
12	Stimulus Generalization and Representation in Adaptive Network Models of Category Learning. Psychological Science, 1991, 2, 50-55.	1.8	170
13	Explaining basic categories: Feature predictability and information.. Psychological Bulletin, 1992, 111, 291-303.	5.5	166
14	l-dopa impairs learning, but spares generalization, in Parkinson's disease. Neuropsychologia, 2006, 44, 774-784.	0.7	135
15	Tests of an Adaptive Network Model for the Identification and Categorization of Continuous-dimension Stimuli. Connection Science, 1994, 6, 59-89.	1.8	134
16	Nonlinear Autoassociation Is Not Equivalent to PCA. Neural Computation, 2000, 12, 531-545.	1.3	132
17	Context, conditioning, and hippocampal rerepresentation in animal learning.. Behavioral Neuroscience, 1994, 108, 835-847.	0.6	122
18	PSYCHOBIOLOGICAL MODELS OF HIPPOCAMPAL FUNCTION IN LEARNING AND MEMORY. Annual Review of Psychology, 1997, 48, 481-514.	9.9	102

#	ARTICLE	IF	CITATIONS
19	The role of dopamine in cognitive sequence learning: evidence from Parkinson's disease. <i>Behavioural Brain Research</i> , 2005, 156, 191-199.	1.2	99
20	Neural Mechanisms Underlying Probabilistic Category Learning in Normal Aging. <i>Journal of Neuroscience</i> , 2005, 25, 11340-11348.	1.7	95
21	Computational Models of the Neural Bases of Learning and Memory. <i>Annual Review of Neuroscience</i> , 1993, 16, 667-706.	5.0	92
22	Effect of the Putative Lithium Mimetic Ebselen on Brain Myo-Inositol, Sleep, and Emotional Processing in Humans. <i>Neuropsychopharmacology</i> , 2016, 41, 1768-1778.	2.8	85
23	Computational models of the hippocampal region: linking incremental learning and episodic memory. <i>Trends in Cognitive Sciences</i> , 2003, 7, 269-276.	4.0	74
24	Neural Correlates of Probabilistic Category Learning in Patients with Schizophrenia. <i>Journal of Neuroscience</i> , 2009, 29, 1244-1254.	1.7	69
25	Dissociating entorhinal and hippocampal involvement in latent inhibition.. <i>Behavioral Neuroscience</i> , 2000, 114, 867-874.	0.6	67
26	Hippocampal Atrophy Disrupts Transfer Generalization in Nondemented Elderly. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2002, 15, 82-90.	1.2	61
27	Distinct Hippocampal and Basal Ganglia Contributions to Probabilistic Learning and Reversal. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1820-1832.	1.1	61
28	Dissociation between medial temporal lobe and basal ganglia memory systems in schizophrenia. <i>Schizophrenia Research</i> , 2005, 77, 321-328.	1.1	60
29	Functional specialization within the striatum along both the dorsal/ventral and anterior/posterior axes during associative learning via reward and punishment. <i>Learning and Memory</i> , 2011, 18, 703-711.	0.5	59
30	Strategies in probabilistic categorization: Results from a new way of analyzing performance. <i>Learning and Memory</i> , 2006, 13, 230-239.	0.5	58
31	Learning from negative feedback in patients with major depressive disorder is attenuated by SSRI antidepressants. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 67.	1.0	58
32	Dissociation of hippocampal and entorhinal function in associative learning: A computational approach. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1995, 23, 116-138.	1.2	54
33	Love to Win or Hate to Lose? Asymmetry of Dopamine D2 Receptor Binding Predicts Sensitivity to Reward versus Punishment. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1039-1048.	1.1	53
34	Extending Models of Hippocampal Function in Animal Conditioning to Human Amnesia. <i>Memory</i> , 1997, 5, 179-212.	0.9	46
35	A Neurocomputational Model of Dopamine and Prefrontal-Striatal Interactions during Multicue Category Learning by Parkinson Patients. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 151-167.	1.1	45
36	Sleep and the extraction of hidden regularities: A systematic review and the importance of temporal rules. <i>Sleep Medicine Reviews</i> , 2019, 47, 39-50.	3.8	45

#	ARTICLE	IF	CITATIONS
37	A neural model of hippocampalâ€”striatal interactions in associative learning and transfer generalization in various neurological and psychiatric patients. <i>Brain and Cognition</i> , 2010, 74, 132-144.	0.8	43
38	General functioning predicts reward and punishment learning in schizophrenia. <i>Schizophrenia Research</i> , 2011, 127, 131-136.	1.1	42
39	Cerebellar Substrates for Error Correction in Motor Conditioning. <i>Neurobiology of Learning and Memory</i> , 2001, 76, 314-341.	1.0	41
40	A neurocomputational model of classical conditioning phenomena: A putative role for the hippocampal region in associative learning. <i>Brain Research</i> , 2009, 1276, 180-195.	1.1	39
41	Individuals with posttraumatic stress disorder show a selective deficit in generalization of associative learning.. <i>Neuropsychology</i> , 2012, 26, 758-767.	1.0	38
42	Integrating Behavioral and Biological Models of Classical Conditioning. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 1989, , 109-156.	0.5	37
43	Associative Learning, Acquired Equivalence, and Flexible Generalization of Knowledge in Mild Alzheimer Disease. <i>Cognitive and Behavioral Neurology</i> , 2009, 22, 89-94.	0.5	37
44	Computational cognitive models of prefrontal-striatal-hippocampal interactions in Parkinsonâ€™s disease and schizophrenia. <i>Neural Networks</i> , 2011, 24, 575-591.	3.3	37
45	Dissociating medial temporal and basal ganglia memory systems with a latent learning task. <i>Neuropsychologia</i> , 2003, 41, 1919-1928.	0.7	36
46	Relative Risk of Probabilistic Category Learning Deficits in Patients with Schizophrenia and Their Siblings. <i>Biological Psychiatry</i> , 2010, 67, 948-955.	0.7	36
47	APOE Î¼4 status in healthy older African Americans is associated with deficits in pattern separation and hippocampal hyperactivation. <i>Neurobiology of Aging</i> , 2018, 69, 221-229.	1.5	36
48	Learning and generalization deficits in patients with memory impairments due to anterior communicating artery aneurysm rupture or hypoxic brain injury.. <i>Neuropsychology</i> , 2008, 22, 681-686.	1.0	35
49	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. <i>Schizophrenia Research</i> , 2008, 99, 200-207.	1.1	34
50	Associative learning in deficit and nondeficit schizophrenia. <i>NeuroReport</i> , 2008, 19, 55-58.	0.6	34
51	Cognitive sequence learning in Parkinson's disease and amnesic mild cognitive impairment: Dissociation between sequential and non-sequential learning of associations. <i>Neuropsychologia</i> , 2007, 45, 1386-1392.	0.7	33
52	Associative Learning Over Trials Activates the Hippocampus in Healthy Elderly but not Mild Cognitive Impairment. <i>Aging, Neuropsychology, and Cognition</i> , 2008, 15, 129-145.	0.7	33
53	Impaired context reversal learning, but not cue reversal learning, in patients with amnesic mild cognitive impairment. <i>Neuropsychologia</i> , 2011, 49, 3320-3326.	0.7	33
54	Î±-Synuclein gene duplication impairs reward learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15992-15994.	3.3	32

#	ARTICLE	IF	CITATIONS
55	Component and pattern information in adaptive networks.. Journal of Experimental Psychology: General, 1990, 119, 105-109.	1.5	29
56	A connectionist model of septohippocampal dynamics during conditioning: Closing the loop.. Behavioral Neuroscience, 2002, 116, 48-62.	0.6	27
57	Why trace and delay conditioning are sometimes (but not always) hippocampal dependent: A computational model. Brain Research, 2013, 1493, 48-67.	1.1	27
58	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.	2.0	27
59	Enhanced avoidance learning in behaviorally inhibited young men and women. Stress, 2013, 16, 289-299.	0.8	27
60	Motorâ€symptom laterality affects acquisition in Parkinson's disease: A cognitive and functional magnetic resonance imaging study. Movement Disorders, 2017, 32, 1047-1055.	2.2	26
61	Representation and Association in Memory: A Neurocomputational View of Hippocampal Function. Current Directions in Psychological Science, 1995, 4, 23-29.	2.8	25
62	Cortico-hippocampal representations in simultaneous odor discrimination: A computational interpretation of Eichenbaum, Mathews, and Cohen (1989).. Behavioral Neuroscience, 1996, 110, 685-706.	0.6	25
63	The role of the orbitofrontal cortex in human discrimination learning. Neuropsychologia, 2008, 46, 1326-1337.	0.7	23
64	Impaired delay eyeblink classical conditioning in individuals with anterograde amnesia resulting from anterior communicating artery aneurysm rupture.. Behavioral Neuroscience, 2001, 115, 560-570.	0.6	22
65	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
66	Cortico-hippocampal interaction and adaptive stimulus representation: A neurocomputational theory of associative learning and memory. Neural Networks, 2005, 18, 1265-1279.	3.3	22
67	Stimulusâ€response learning in long-term cocaine users: Acquired equivalence and probabilistic category learning. Drug and Alcohol Dependence, 2008, 93, 155-162.	1.6	22
68	Baseline Levels of Rapid Eye Movement Sleep May Protect Against Excessive Activity in Fear-Related Neural Circuitry. Journal of Neuroscience, 2017, 37, 11233-11244.	1.7	22
69	Learning and Generalization Tasks Predict Short-Term Cognitive Outcome in Nondemented Elderly. Journal of Geriatric Psychiatry and Neurology, 2008, 21, 93-103.	1.2	21
70	Depression Impairs Learning Whereas Anticholinergics Impair Transfer Generalization in Parkinson Patients Tested on Dopaminergic Medications. Cognitive and Behavioral Neurology, 2010, 23, 98-105.	0.5	21
71	Age affects reinforcement learning through dopamine-based learning imbalance and high decision noiseâ€not through Parkinsonian mechanisms. Neurobiology of Aging, 2018, 68, 102-113.	1.5	21
72	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.	0.9	21

#	ARTICLE	IF	CITATIONS
73	Further implications of a computational model of septohippocampal cholinergic modulation in eyeblink conditioning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1998, 26, 1-20.	1.2	21
74	The influence of sleep on emotional and cognitive processing is primarily trait- (but not state-) dependent. <i>Neurobiology of Learning and Memory</i> , 2016, 134, 275-286.	1.0	20
75	Selective entorhinal and nonselective cortical-hippocampal region lesions, but not selective hippocampal lesions, disrupt learned irrelevance in rabbit eyeblink conditioning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2002, 2, 214-226.	1.0	18
76	Integrating behavioral and physiological models of hippocampal function. , 1996, 6, 643-653.		17
77	Computational Models of the Hippocampal Region: Implications for Prediction of Risk for Alzheimers Disease in Non-demented Elderly. <i>Current Alzheimer Research</i> , 2006, 3, 247-257.	0.7	17
78	A computational model of mechanisms controlling experience-dependent reorganization of representational maps in auditory cortex. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2001, 1, 37-55.	1.0	16
79	Depression Reduces Accuracy While Parkinsonism Slows Response Time for Processing Positive Feedback in Patients with Parkinson's Disease with Comorbid Major Depressive Disorder Tested on a Probabilistic Category-Learning Task. <i>Frontiers in Psychiatry</i> , 2017, 8, 84.	1.3	16
80	Adult age differences in learning and generalization of feedback-based associations.. <i>Psychology and Aging</i> , 2013, 28, 937-947.	1.4	15
81	The Effects of APOE and ABCA7 on Cognitive Function and Alzheimer's Disease Risk in African Americans: A Focused Mini Review. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 387.	1.0	14
82	Impaired Generalization of Associative Learning in Patients with Alcohol Dependence After Intermediate-term Abstinence. <i>Alcohol and Alcoholism</i> , 2012, 47, 533-537.	0.9	13
83	Transcranial Current Stimulation During Sleep Facilitates Insight into Temporal Rules, but does not Consolidate Memories of Individual Sequential Experiences. <i>Scientific Reports</i> , 2019, 9, 1516.	1.6	13
84	The influence of trial order on learning from reward vs. punishment in a probabilistic categorization task: experimental and computational analyses. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 153.	1.0	12
85	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. <i>Frontiers in Integrative Neuroscience</i> , 2016, 10, 20.	1.0	12
86	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. <i>Generations</i> , 2018, 42, 78-82.	1.0	12
87	Dissociating basal forebrain and medial temporal amnesic syndromes: Insights from classical conditioning. <i>Integrative Psychological and Behavioral Science</i> , 2002, 37, 85-102.	0.3	11
88	Selective hippocampal lesions disrupt a novel cue effect but fail to eliminate blocking in rabbit eyeblink conditioning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2002, 2, 318-328.	1.0	11
89	Individual Differences in Slow-Wave-Sleep Predict Acquisition of Full Cognitive Maps. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 404.	1.0	11
90	Increased dynamic flexibility in the medial temporal lobe network following an exercise intervention mediates generalization of prior learning. <i>Neurobiology of Learning and Memory</i> , 2021, 177, 107340.	1.0	10

#	ARTICLE	IF	CITATIONS
91	Sleep to remember, sleep to forget: Rapid eye movement sleep can have inverse effects on recall and generalization of fear memories. <i>Neurobiology of Learning and Memory</i> , 2021, 180, 107413.	1.0	10
92	A computational perspective on dissociating hippocampal and entorhinal function. <i>Behavioral and Brain Sciences</i> , 1994, 17, 476-477.	0.4	9
93	Stimulus exposure effects in human associative learning. <i>Quarterly Journal of Experimental Psychology Section B: Comparative and Physiological Psychology</i> , 2000, 53, 173-187.	2.8	9
94	A decrement in probabilistic category learning in cocaine users after controlling for marijuana and alcohol use.. <i>Experimental and Clinical Psychopharmacology</i> , 2014, 22, 65-74.	1.3	9
95	Deficits in hippocampal-dependent transfer generalization learning accompany synaptic dysfunction in a mouse model of amyloidosis. <i>Hippocampus</i> , 2016, 26, 455-471.	0.9	8
96	Parallel neural systems for classical conditioning: Support from computational modeling. <i>Integrative Psychological and Behavioral Science</i> , 2001, 36, 36-61.	0.3	7
97	Impairment of memory generalization in preclinical autosomal dominant Alzheimer's disease mutation carriers. <i>Neurobiology of Aging</i> , 2018, 65, 149-157.	1.5	7
98	Ageing and a genetic KIBRA polymorphism interactively affect feedback- and observation-based probabilistic classification learning. <i>Neurobiology of Aging</i> , 2018, 61, 36-43.	1.5	7
99	A connectionist approach to processing dimensional interaction. <i>Connection Science</i> , 2002, 14, 1-48.	1.8	6
100	Hippocampal BOLD response during category learning predicts subsequent performance on transfer generalization. <i>Human Brain Mapping</i> , 2014, 35, 3122-3131.	1.9	6
101	ABCA7 Risk Genotype Diminishes the Neuroprotective Value of Aerobic Fitness in Healthy Older African Americans. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 73.	1.7	6
102	Amnesic patients show superior generalization in category learning.. <i>Neuropsychology</i> , 2016, 30, 915-919.	1.0	6
103	ABCA7 Genotype Moderates the Effect of Aerobic Exercise Intervention on Generalization of Prior Learning in Healthy Older African Americans. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 309-318.	1.2	5
104	Blocking in rabbit eyeblink conditioning is not due to learned inattention: Indirect support for an error correction mechanism of blocking. <i>Integrative Psychological and Behavioral Science</i> , 2002, 37, 254-264.	0.3	4
105	Low body mass and high-quality sleep maximize the ability of aerobic fitness to promote improved cognitive function in older African Americans. <i>Ethnicity and Health</i> , 2022, 27, 909-928.	1.5	4
106	Psychobiological Models of Hippocampal Function in Learning and Memory. , 1998, , 417-448.		3
107	A dynamic model of learning in the septo-hippocampal system. <i>Neurocomputing</i> , 2000, 32-33, 501-507.	3.5	2
108	A model of reversal learning and working memory in medicated and unmedicated patients with Parkinson's disease. <i>Journal of Mathematical Psychology</i> , 2014, 59, 120-131.	1.0	2

#	ARTICLE	IF	CITATIONS
109	Age-Related Decline in Learning Deterministic Judgment-Based Sequences. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 75, 961-969.	2.4	2
110	Sleep Facilitates Extraction of Temporal Regularities With Varying Timescales. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 847083.	1.0	2
111	Can procedural learning be equated with unconscious learning or rule-based learning?. <i>Behavioral and Brain Sciences</i> , 1994, 17, 408-409.	0.4	0
112	A Neural-Network Approach to Adaptive Similarity and Stimulus Representations in Cortico-Hippocampal Function. <i>Advances in Psychology</i> , 1997, 121, 220-241.	0.1	0