

John F Disterhoft

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.

207
papers

14,233
citations

64
h-index

115
g-index

219
ext. papers

15,581
ext. citations

4.9
avg, IF

6.26
L-index

#	Paper	IF	Citations
207	Diet-induced Alzheimer's-like syndrome in the rabbit.. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022 , 8, e12241	6	0
206	Aging-Related Alterations to Persistent Firing in the Lateral Entorhinal Cortex Contribute to Deficits in Temporal Associative Memory.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 838513	5.3	0
205	Detection of memory- and learning-related brain connectivity changes following trace eyeblink-conditioning using resting-state functional magnetic resonance imaging in the awake rabbit. <i>Journal of Comparative Neurology</i> , 2021 , 529, 1597-1606	3.4	1
204	Cognitive aging is associated with redistribution of synaptic weights in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
203	Variability in sub-threshold signaling linked to Alzheimer's disease emerges with age and amyloid plaque deposition in mouse ventral CA1 pyramidal neurons. <i>Neurobiology of Aging</i> , 2021 , 106, 207-222	5.6	0
202	Intrinsic Excitability Increase in Cerebellar Purkinje Cells after Delay Eye-Blink Conditioning in Mice. <i>Journal of Neuroscience</i> , 2020 , 40, 2038-2046	6.6	16
201	Persistent firing in LEC III neurons is differentially modulated by learning and aging. <i>ELife</i> , 2020 , 9,	8.9	4
200	Learning and aging affect neuronal excitability and learning. <i>Neurobiology of Learning and Memory</i> , 2020 , 167, 107133	3.1	9
199	Conditioned Contextual Freezing is A Neurobehavioral Biomarker of Axonal Injury Indicated by Reduced Fractional Anisotropy in A Mouse Model of Blast-Induced Mild Traumatic Brain Injury. <i>Shock</i> , 2020 , 53, 744-753	3.4	7
198	Aβ oligomer induced cognitive impairment and evaluation of ACU193-MNS-based MRI in rabbit. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020 , 6, e12087	6	2
197	Contingency awareness, aging, and the parietal lobe. <i>Neurobiology of Aging</i> , 2020 , 91, 125-135	5.6	1
196	Cover Image, Volume 29, Issue 6. <i>Hippocampus</i> , 2019 , 29, C1-C1	3.5	
195	Genetic Ablation of Neural Progenitor Cells Impairs Acquisition of Trace Eyeblink Conditioning. <i>ENeuro</i> , 2019 , 6,	3.9	1
194	How do we validate approaches that aim to harness reserve to improve the aging brain?. <i>Neurobiology of Aging</i> , 2019 , 83, 145-149	5.6	1
193	Differential responsivity of neurons in perirhinal cortex, lateral entorhinal cortex, and dentate gyrus during time-bridging learning. <i>Hippocampus</i> , 2019 , 29, 511-526	3.5	10
192	The rabbit as a behavioral model system for magnetic resonance imaging. <i>Journal of Neuroscience Methods</i> , 2018 , 300, 196-205	3	5
191	Store depletion-induced h-channel plasticity rescues a channelopathy linked to Alzheimer's disease. <i>Neurobiology of Learning and Memory</i> , 2018 , 154, 141-157	3.1	10

190	Eyeblink Conditioning [A Behavioral Model of Procedural and Declarative Learning 2017 , 327-355		
189	Building Bridges through Science. <i>Neuron</i> , 2017 , 96, 730-735	13.9	2
188	CREB, cellular excitability, and cognition: Implications for aging. <i>Behavioural Brain Research</i> , 2017 , 322, 206-211	3.4	32
187	CREB overexpression in dorsal CA1 ameliorates long-term memory deficits in aged rats. <i>ELife</i> , 2017 , 6,	8.9	31
186	The Development of Rapastinel (Formerly GLYX-13); A Rapid Acting and Long Lasting Antidepressant. <i>Current Neuropharmacology</i> , 2017 , 15, 47-56	7.6	52
185	Whisker-signaled Eyeblink Classical Conditioning in Head-fixed Mice. <i>Journal of Visualized Experiments</i> , 2016 , e53310	1.6	4
184	Intrinsic connectivity of neural networks in the awake rabbit. <i>NeuroImage</i> , 2016 , 129, 260-267	7.9	23
183	Pretrial functional connectivity differentiates behavioral outcomes during trace eyeblink conditioning in the rabbit. <i>Learning and Memory</i> , 2016 , 23, 161-8	2.8	4
182	Activity-induced manganese-dependent MRI (AIM-MRI) and functional MRI in awake rabbits during somatosensory stimulation. <i>NeuroImage</i> , 2016 , 126, 72-80	7.9	10
181	Intrinsic Hippocampal Excitability Changes of Opposite Signs and Different Origins in CA1 and CA3 Pyramidal Neurons Underlie Aging-Related Cognitive Deficits. <i>Frontiers in Systems Neuroscience</i> , 2016 , 10, 52	3.5	37
180	Aging-Related Hyperexcitability in CA3 Pyramidal Neurons Is Mediated by Enhanced A-Type K+ Channel Function and Expression. <i>Journal of Neuroscience</i> , 2015 , 35, 13206-18	6.6	57
179	Rapastinel (GLYX-13) has therapeutic potential for the treatment of post-traumatic stress disorder: Characterization of a NMDA receptor-mediated metaplasticity process in the medial prefrontal cortex of rats. <i>Behavioural Brain Research</i> , 2015 , 294, 177-85	3.4	44
178	The long-lasting antidepressant effects of rapastinel (GLYX-13) are associated with a metaplasticity process in the medial prefrontal cortex and hippocampus. <i>Neuroscience</i> , 2015 , 308, 202-11	3.9	55
177	Increased Excitability of Both Principal Neurons and Interneurons during Associative Learning. <i>Neuroscientist</i> , 2015 , 21, 372-84	7.6	24
176	Robust hippocampal responsivity during retrieval of consolidated associative memory. <i>Hippocampus</i> , 2015 , 25, 655-69	3.5	29
175	The impact of hippocampal lesions on trace-eyeblink conditioning and forebrain-cerebellar interactions. <i>Behavioral Neuroscience</i> , 2015 , 129, 512-22	2.1	18
174	Hippocampectomy disrupts trace eye-blink conditioning in rabbits. <i>Behavioral Neuroscience</i> , 2015 , 129, 523-32	2.1	8
173	Eyeblink Conditioning and Novel Object Recognition in the Rabbit: Behavioral Paradigms for Assaying Psychiatric Diseases. <i>Frontiers in Psychiatry</i> , 2015 , 6, 142	5	9

172	Surface L-type Ca ²⁺ channel expression levels are increased in aged hippocampus. <i>Aging Cell</i> , 2014 , 13, 111-20	9.9	34
171	Dendritic spinopathy in transgenic mice expressing ALS/dementia-linked mutant UBQLN2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14524-9	11.5	54
170	Age-related impairments on one hippocampal-dependent task predict impairments on a subsequent hippocampal-dependent task. <i>Behavioral Neuroscience</i> , 2014 , 128, 676-88	2.1	9
169	Functional MRI of cerebellar activity during eyeblink classical conditioning in children and adults. <i>Human Brain Mapping</i> , 2014 , 35, 1390-403	5.9	30
168	GLYX-13, an NMDA receptor glycine site functional partial agonist enhances cognition and produces antidepressant effects without the psychotomimetic side effects of NMDA receptor antagonists. <i>Expert Opinion on Investigational Drugs</i> , 2014 , 23, 243-54	5.9	90
167	Functional reorganization of a prefrontal cortical network mediating consolidation of trace eyeblink conditioning. <i>Journal of Neuroscience</i> , 2014 , 34, 1432-45	6.6	51
166	Caudate nucleus in retrieval of trace eyeblink conditioning after consolidation. <i>Journal of Neuroscience</i> , 2013 , 33, 2828-36	6.6	9
165	Learning increases intrinsic excitability of hippocampal interneurons. <i>Journal of Neuroscience</i> , 2013 , 33, 5499-506	6.6	47
164	Altered calcium metabolism in aging CA1 hippocampal pyramidal neurons. <i>Journal of Neuroscience</i> , 2013 , 33, 7905-11	6.6	55
163	Perirhinal and postrhinal, but not lateral entorhinal, cortices are essential for acquisition of trace eyeblink conditioning. <i>Learning and Memory</i> , 2013 , 20, 80-4	2.8	20
162	A MRI-compatible system for whisker stimulation. <i>Journal of Neuroscience Methods</i> , 2012 , 205, 305-11	3	11
161	Increasing SK2 channel activity impairs associative learning. <i>Journal of Neurophysiology</i> , 2012 , 108, 863-70	2	38
160	Infragranular barrel cortex activity is enhanced with learning. <i>Journal of Neurophysiology</i> , 2012 , 108, 1278-87	3.2	11
159	The N-methyl-D-aspartate receptor modulator GLYX-13 enhances learning and memory, in young adult and learning impaired aging rats. <i>Neurobiology of Aging</i> , 2011 , 32, 698-706	5.6	69
158	Mechanisms underlying basal and learning-related intrinsic excitability in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2011 , 32, 1452-65	5.6	63
157	Age-related deficits in a forebrain-dependent task, trace-eyeblink conditioning. <i>Neurobiology of Aging</i> , 2011 , 32, 1915-22	5.6	17
156	Positive emotional learning is regulated in the medial prefrontal cortex by GluN2B-containing NMDA receptors. <i>Neuroscience</i> , 2011 , 192, 515-23	3.9	48
155	Physiological and anatomical studies of associative learning: Convergence with learning studies of W.T. Greenough. <i>Developmental Psychobiology</i> , 2011 , 53, 489-504	3	2

154	Exploring prefrontal cortical memory mechanisms with eyeblink conditioning. <i>Behavioral Neuroscience</i> , 2011 , 125, 318-26	2.1	74
153	Reevaluating hippocampus-dependent learning in FVB/N mice. <i>Behavioral Neuroscience</i> , 2011 , 125, 871-8.1		21
152	Learning and aging related changes in intrinsic neuronal excitability. <i>Frontiers in Aging Neuroscience</i> , 2010 , 2, 2	5.3	84
151	Cellular mechanisms for altered learning in aging. <i>Future Neurology</i> , 2010 , 5, 147-155	1.5	6
150	Synaptic strength and postsynaptically silent synapses through advanced aging in rat hippocampal CA1 pyramidal neurons. <i>Neurobiology of Aging</i> , 2010 , 31, 813-25	5.6	29
149	The effects of aging in delay and trace human eyeblink conditioning. <i>Psychology and Aging</i> , 2010 , 25, 684-90	3.6	17
148	BMP signaling mediates effects of exercise on hippocampal neurogenesis and cognition in mice. <i>PLoS ONE</i> , 2009 , 4, e7506	3.7	81
147	Memory deficits are associated with impaired ability to modulate neuronal excitability in middle-aged mice. <i>Learning and Memory</i> , 2009 , 16, 362-6	2.8	82
146	Learning-related postburst afterhyperpolarization reduction in CA1 pyramidal neurons is mediated by protein kinase A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1620-5	11.5	56
145	Blocking the BK channel impedes acquisition of trace eyeblink conditioning. <i>Learning and Memory</i> , 2009 , 16, 106-9	2.8	33
144	Caudate nucleus is critically involved in trace eyeblink conditioning. <i>Journal of Neuroscience</i> , 2009 , 29, 14511-20	6.6	25
143	The fast and slow afterhyperpolarizations are differentially modulated in hippocampal neurons by aging and learning. <i>Journal of Neuroscience</i> , 2009 , 29, 4750-5	6.6	77
142	Balanced gene regulation by an embryonic brain ncRNA is critical for adult hippocampal GABA circuitry. <i>Nature Neuroscience</i> , 2009 , 12, 1020-7	25.5	308
141	A novel method for precisely timed stimulation of mouse whiskers in a freely moving preparation: application for delivery of the conditioned stimulus in trace eyeblink conditioning. <i>Journal of Neuroscience Methods</i> , 2009 , 177, 434-9	3	16
140	Autophosphorylation of alphaCaMKII downregulates excitability of CA1 pyramidal neurons following synaptic stimulation. <i>Neurobiology of Learning and Memory</i> , 2009 , 92, 120-3	3.1	13
139	Kalirin regulates cortical spine morphogenesis and disease-related behavioral phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13058-63	11.5	123
138	Intrinsic neuronal excitability is reversibly altered by a single experience in fear conditioning. <i>Journal of Neurophysiology</i> , 2009 , 102, 2763-70	3.2	62
137	Enhanced neuronal excitability in rat CA1 pyramidal neurons following trace eyeblink conditioning acquisition is not due to alterations in I M. <i>Neurobiology of Learning and Memory</i> , 2008 , 89, 125-33	3.1	13

136	Where is the trace in trace conditioning?. <i>Trends in Neurosciences</i> , 2008 , 31, 105-12	13.3	184
135	Neural substrates underlying human delay and trace eyeblink conditioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8108-13	11.5	169
134	Functional magnetic resonance imaging of delay and trace eyeblink conditioning in the primary visual cortex of the rabbit. <i>Journal of Neuroscience</i> , 2008 , 28, 4974-81	6.6	17
133	The BK-mediated fAHP is modulated by learning a hippocampus-dependent task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15154-9	11.5	73
132	Coupling of L-type Ca ²⁺ channels to KV7/KCNQ channels creates a novel, activity-dependent, homeostatic intrinsic plasticity. <i>Journal of Neurophysiology</i> , 2008 , 100, 1897-908	3.2	41
131	Procedural memory system supports single cue trace eyeblink conditioning in medial temporal lobe amnesia. <i>Neuropsychology</i> , 2008 , 22, 278-282	3.8	3
130	Delay discrimination and reversal eyeblink classical conditioning in abstinent chronic alcoholics. <i>Neuropsychology</i> , 2008 , 22, 196-208	3.8	43
129	Evoking blinks with natural stimulation and detecting them with a noninvasive optical device: a simple, inexpensive method for use with freely moving animals. <i>Journal of Neuroscience Methods</i> , 2008 , 173, 108-13	3	9
128	Stability and plasticity of intrinsic membrane properties in hippocampal CA1 pyramidal neurons: effects of internal anions. <i>Journal of Physiology</i> , 2007 , 578, 799-818	3.9	58
127	Alterations in intrinsic neuronal excitability during normal aging. <i>Aging Cell</i> , 2007 , 6, 327-36	9.9	103
126	BACE1 gene deletion prevents neuron loss and memory deficits in 5XFAD APP/PS1 transgenic mice. <i>Neurobiology of Disease</i> , 2007 , 26, 134-45	7.5	236
125	Cortical barrel lesions impair whisker-CS trace eyeblink conditioning. <i>Learning and Memory</i> , 2007 , 14, 94-100	2.8	55
124	Connections of the caudal anterior cingulate cortex in rabbit: neural circuitry participating in the acquisition of trace eyeblink conditioning. <i>Neuroscience</i> , 2007 , 145, 288-302	3.9	42
123	Pharmacological and molecular enhancement of learning in aging and Alzheimer's disease. <i>Journal of Physiology (Paris)</i> , 2006 , 99, 180-92		52
122	Simultaneous training on two hippocampus-dependent tasks facilitates acquisition of trace eyeblink conditioning. <i>Learning and Memory</i> , 2006 , 13, 201-7	2.8	18
121	Vibrissa-signaled eyeblink conditioning induces somatosensory cortical plasticity. <i>Journal of Neuroscience</i> , 2006 , 26, 6062-8	6.6	56
120	Intraneuronal beta-amyloid aggregates, neurodegeneration, and neuron loss in transgenic mice with five familial Alzheimer's disease mutations: potential factors in amyloid plaque formation. <i>Journal of Neuroscience</i> , 2006 , 26, 10129-40	6.6	1834
119	Galantamine increases excitability of CA1 hippocampal pyramidal neurons. <i>Neuroscience</i> , 2006 , 137, 113-23	3.3	23

118	Comparisons of dorsal and ventral hippocampus cornu ammonis region 1 pyramidal neuron activity during trace eye-blink conditioning in the rabbit. <i>Neuroscience</i> , 2006 , 141, 1123-37	3.9	47
117	Learning, aging and intrinsic neuronal plasticity. <i>Trends in Neurosciences</i> , 2006 , 29, 587-99	13.3	167
116	Temporal memory deficits in Alzheimer's mouse models: rescue by genetic deletion of BACE1. <i>European Journal of Neuroscience</i> , 2006 , 23, 251-60	3.5	221
115	Differential effects of alphaCaMKII mutation on hippocampal learning and changes in intrinsic neuronal excitability. <i>European Journal of Neuroscience</i> , 2006 , 23, 2235-40	3.5	32
114	Forebrain-Cerebellar Interactions During Learning. <i>Cellscience</i> , 2006 , 3, 200-230		7
113	GLYX-13: a monoclonal antibody-derived peptide that acts as an N-methyl-D-aspartate receptor modulator. <i>Neuropharmacology</i> , 2005 , 49, 1077-87	5.5	74
112	Trace eyeblink conditioning in abstinent alcoholic individuals: effects of complex task demands and prior conditioning. <i>Neuropsychology</i> , 2005 , 19, 159-70	3.8	13
111	Behavioral deficits associated with fetal alcohol exposure are reversed by prenatal thyroid hormone treatment: a role for maternal thyroid hormone deficiency in FAE. <i>Molecular Psychiatry</i> , 2005 , 10, 961-71	15.1	69
110	A fiber optic-based system for behavioral eyeblink measurement in a MRI environment. <i>Journal of Neuroscience Methods</i> , 2005 , 141, 83-7	3	14
109	Acute stress facilitates trace eyeblink conditioning in C57BL/6 male mice and increases the excitability of their CA1 pyramidal neurons. <i>Learning and Memory</i> , 2005 , 12, 138-43	2.8	30
108	Trace eyeblink conditioning requires the hippocampus but not autophosphorylation of alphaCaMKII in mice. <i>Learning and Memory</i> , 2005 , 12, 211-5	2.8	21
107	Cognitive Neuroscience 2005 , 341-349		
106	Slow afterhyperpolarization governs the development of NMDA receptor-dependent afterdepolarization in CA1 pyramidal neurons during synaptic stimulation. <i>Journal of Neurophysiology</i> , 2004 , 92, 2346-56	3.2	53
105	Galantamine facilitates acquisition of hippocampus-dependent trace eyeblink conditioning in aged rabbits. <i>Learning and Memory</i> , 2004 , 11, 108-15	2.8	31
104	Trace eyeblink conditioning is hippocampally dependent in mice. <i>Hippocampus</i> , 2004 , 14, 58-65	3.5	110
103	Aging-related alterations in the distribution of Ca(2+)-dependent PKC isoforms in rabbit hippocampus. <i>Hippocampus</i> , 2004 , 14, 849-60	3.5	28
102	Aging, spatial learning, and total synapse number in the rat CA1 stratum radiatum. <i>Neurobiology of Aging</i> , 2004 , 25, 407-16	5.6	129
101	Biophysical alterations of hippocampal pyramidal neurons in learning, ageing and Alzheimer's disease. <i>Ageing Research Reviews</i> , 2004 , 3, 383-406	12	72

100	BACE1 deficiency rescues memory deficits and cholinergic dysfunction in a mouse model of Alzheimer's disease. <i>Neuron</i> , 2004 , 41, 27-33	13.9	457
99	Conditional discrimination learning in patients with bilateral medial temporal lobe amnesia. <i>Behavioral Neuroscience</i> , 2003 , 117, 1181-95	2.1	20
98	Watermaze learning enhances excitability of CA1 pyramidal neurons. <i>Journal of Neurophysiology</i> , 2003 , 90, 2171-9	3.2	132
97	Single neurons in CA1 hippocampus encode trace interval duration during trace heart rate (fear) conditioning in rabbit. <i>Journal of Neuroscience</i> , 2003 , 23, 1535-47	6.6	149
96	Activity profiles of single neurons in caudal anterior cingulate cortex during trace eyeblink conditioning in the rabbit. <i>Journal of Neurophysiology</i> , 2003 , 90, 599-612	3.2	76
95	fMRI of the conscious rabbit during unilateral classical eyeblink conditioning reveals bilateral cerebellar activation. <i>Journal of Neuroscience</i> , 2003 , 23, 11753-8	6.6	60
94	Lubeluzole and conditioned learning after cerebral ischemia. <i>Experimental Brain Research</i> , 2003 , 152, 329-34	2.3	7
93	Functional magnetic resonance imaging in the awake rabbit: a system for stimulus presentation and response detection during eyeblink conditioning. <i>Journal of Neuroscience Methods</i> , 2003 , 130, 45-52	3	8
92	Modulation of cholinergic transmission enhances excitability of hippocampal pyramidal neurons and ameliorates learning impairments in aging animals. <i>Neurobiology of Learning and Memory</i> , 2003 , 80, 223-33	3.1	28
91	Temporal Discrimination Learning in Abstinent Chronic Alcoholics. <i>Alcoholism: Clinical and Experimental Research</i> , 2002 , 26, 804-811	3.7	15
90	Chapter 5 Calcium homeostasis and learning deficits in aging. <i>Advances in Cell Aging and Gerontology</i> , 2002 , 67-89		
89	Impaired eyeblink conditioning and decreased hippocampal volume in PDAPP V717F mice. <i>Neurobiology of Disease</i> , 2002 , 11, 425-33	7.5	62
88	Age-related biophysical alterations of hippocampal pyramidal neurons: implications for learning and memory. <i>Ageing Research Reviews</i> , 2002 , 1, 181-207	12	80
87	Age-related enhancement of the slow outward calcium-activated potassium current in hippocampal CA1 pyramidal neurons in vitro. <i>Journal of Neuroscience</i> , 2002 , 22, 7234-43	6.6	132
86	Temporal Discrimination Learning in Abstinent Chronic Alcoholics. <i>Alcoholism: Clinical and Experimental Research</i> , 2002 , 26, 804-811	3.7	
85	Cellular Alterations in Hippocampus During Acquisition and Consolidation of Hippocampus-Dependent Trace Eyeblink Conditioning 2002 , 313-334		
84	Temporal discrimination learning in abstinent chronic alcoholics. <i>Alcoholism: Clinical and Experimental Research</i> , 2002 , 26, 804-11	3.7	11
83	Age-related effects on eyeblink conditioning in the F344 x BN F1 hybrid rat. <i>Neurobiology of Aging</i> , 2001 , 22, 1-8	5.6	67

82	Associative learning elicits the formation of multiple-synapse boutons. <i>Journal of Neuroscience</i> , 2001 , 21, 5568-73	6.6	204
81	Metrifonate decreases sl(AHP) in CA1 pyramidal neurons in vitro. <i>Journal of Neurophysiology</i> , 2001 , 85, 319-22	3.2	35
80	Aging and learning-specific changes in single-neuron activity in CA1 hippocampus during rabbit trace eyeblink conditioning. <i>Journal of Neurophysiology</i> , 2001 , 86, 1839-57	3.2	68
79	Awareness in classical differential eyeblink conditioning in young and aging humans.. <i>Behavioral Neuroscience</i> , 2001 , 115, 747-757	2.1	72
78	Eyeblink conditioning in the rabbit (<i>Oryctolagus cuniculus</i>) with stimulation of the mystacial vibrissae as a conditioned stimulus. <i>Behavioral Neuroscience</i> , 2001 , 115, 731-6	2.1	18
77	Spared discrimination and impaired reversal eyeblink conditioning in patients with temporal lobe amnesia. <i>Behavioral Neuroscience</i> , 2001 , 115, 1171-9	2.1	7
76	Cerebellar cortical degeneration disrupts discrimination learning but not delay or trace classical eyeblink conditioning.. <i>Neuropsychology</i> , 2000 , 14, 537-550	3.8	20
75	Remodeling of hippocampal synapses after hippocampus-dependent associative learning 2000 , 417, 49-59		67
74	fMRI of visual system activation in the conscious rabbit. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 474-84.4		47
73	Neurotoxic lesions of the dorsal hippocampus disrupt auditory-cued trace heart rate (fear) conditioning in rabbits. <i>Hippocampus</i> , 2000 , 10, 739-51	3.5	75
72	Apamin increases excitability of CA1 hippocampal pyramidal neurons. <i>Neuroscience Research Communications</i> , 2000 , 27, 135-142		20
71	Increased excitability of aged rabbit CA1 neurons after trace eyeblink conditioning. <i>Journal of Neuroscience</i> , 2000 , 20, 5476-82	6.6	129
70	The M1 muscarinic agonist CI-1017 facilitates trace eyeblink conditioning in aging rabbits and increases the excitability of CA1 pyramidal neurons. <i>Journal of Neuroscience</i> , 2000 , 20, 783-90	6.6	77
69	Protein Kinase C Signaling in Learning and Memory 2000 , 105-125		
68	Cortical involvement in acquisition and extinction of trace eyeblink conditioning. <i>Behavioral Neuroscience</i> , 2000 , 114, 1058-67	2.1	104
67	Remodeling of hippocampal synapses after hippocampus-dependent associative learning 2000 , 417, 49		3
66	Cerebellar cortical degeneration disrupts discrimination learning but not delay or trace classical eyeblink conditioning. <i>Neuropsychology</i> , 2000 , 14, 537-50	3.8	9
65	Metrifonate increases neuronal excitability in CA1 pyramidal neurons from both young and aging rabbit hippocampus. <i>Journal of Neuroscience</i> , 1999 , 19, 1814-23	6.6	53

64	Hippocampal encoding of non-spatial trace conditioning. <i>Hippocampus</i> , 1999 , 9, 385-96	3.5	94
63	Hippocampal lesions prevent trace eyeblink conditioning in the freely moving rat. <i>Behavioural Brain Research</i> , 1999 , 99, 123-32	3.4	243
62	Cholinergic facilitation of trace eyeblink conditioning in aging rabbits. <i>Life Sciences</i> , 1999 , 64, 541-8	6.8	35
61	Effects of hypothermia and lamotrigine on trace-conditioned learning after global cerebral ischemia in rabbits. <i>Experimental Neurology</i> , 1999 , 159, 105-13	5.7	10
60	Temporal discrimination learning in severe amnesic patients reveals an alteration in the timing of eyeblink conditioned responses.. <i>Behavioral Neuroscience</i> , 1999 , 113, 10-18	2.1	23
59	Trace eyeblink conditioning in the freely moving rat: optimizing the conditioning parameters. <i>Behavioral Neuroscience</i> , 1999 , 113, 1100-5	2.1	26
58	Temporal discrimination learning in severe amnesic patients reveals an alteration in the timing of eyeblink conditioned responses. <i>Behavioral Neuroscience</i> , 1999 , 113, 10-8	2.1	7
57	Spatial learning and memory in aging C57BL/6 mice 1998 , 23, 77-92		17
56	Conditioning, awareness, and the hippocampus. <i>Hippocampus</i> , 1998 , 8, 620-6	3.5	59
55	Lesions of the caudal area of rabbit medial prefrontal cortex impair trace eyeblink conditioning. <i>Neurobiology of Learning and Memory</i> , 1998 , 69, 147-62	3.1	169
54	Hippocampectomy disrupts auditory trace fear conditioning and contextual fear conditioning in the rat. <i>Hippocampus</i> , 1998 , 8, 638-46	3.5	299
53	Metrifonate improves associative learning and retention in aging rabbits.. <i>Behavioral Neuroscience</i> , 1997 , 111, 1031-1040	2.1	46
52	Impaired trace eyeblink conditioning in bilateral, medial-temporal lobe amnesia.. <i>Behavioral Neuroscience</i> , 1997 , 111, 873-882	2.1	195
51	Age- and dose-dependent facilitation of associative eyeblink conditioning by {d}-cycloserine in rabbits.. <i>Behavioral Neuroscience</i> , 1997 , 111, 1303-1312	2.1	51
50	Learning-induced alterations in hippocampal PKC-immunoreactivity: a review and hypothesis of its functional significance. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1997 , 21, 531-72 ^{5.5}		56
49	Age-dependent changes in the immunoreactivity for neurofilaments in rabbit hippocampus. <i>Neuroscience</i> , 1997 , 79, 103-16	3.9	20
48	Sequence of single neuron changes in CA1 hippocampus of rabbits during acquisition of trace eyeblink conditioned responses. <i>Journal of Neurophysiology</i> , 1997 , 78, 1030-44	3.2	192
47	Enhanced synaptic transmission in CA1 hippocampus after eyeblink conditioning. <i>Journal of Neurophysiology</i> , 1997 , 78, 1184-7	3.2	92

46	Metrifonate treatment enhances acquisition of eyeblink conditioning in aging rabbits. <i>Pharmacology Biochemistry and Behavior</i> , 1997 , 56, 103-10	3.9	46
45	gamma Isoform-selective changes in PKC immunoreactivity after trace eyeblink conditioning in the rabbit hippocampus. <i>Hippocampus</i> , 1997 , 7, 271-85	3.5	45
44	Activity of hippocampal pyramidal neurons during trace eyeblink conditioning. <i>Hippocampus</i> , 1996 , 6, 192-209	3.5	71
43	Trace eyeblink conditioning in rabbits demonstrates heterogeneity of learning ability both between and within age groups. <i>Neurobiology of Aging</i> , 1996 , 17, 619-29	5.6	102
42	Age-related loss of calcium binding proteins in rabbit hippocampus. <i>Neurobiology of Aging</i> , 1996 , 17, 459-65	5.6	61
41	Calcium-dependent afterhyperpolarization and learning in young and aging hippocampus. <i>Life Sciences</i> , 1996 , 59, 413-20	6.8	145
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