

Ted Abel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8341197/publications.pdf>

Version: 2024-02-01

237
papers

22,739
citations

7568

77
h-index

9589

142
g-index

307
all docs

307
docs citations

307
times ranked

20947
citing authors

#	ARTICLE	IF	CITATIONS
1	Recombinant BDNF Rescues Deficits in Basal Synaptic Transmission and Hippocampal LTP in BDNF Knockout Mice. <i>Neuron</i> , 1996, 16, 1137-1145.	8.1	1,144
2	Genetic Demonstration of a Role for PKA in the Late Phase of LTP and in Hippocampus-Based Long-Term Memory. <i>Cell</i> , 1997, 88, 615-626.	28.9	1,125
3	Requirement of a critical period of transcription for induction of a late phase of LTP. <i>Science</i> , 1994, 265, 1104-1107.	12.6	792
4	Astrocytic Modulation of Sleep Homeostasis and Cognitive Consequences of Sleep Loss. <i>Neuron</i> , 2009, 61, 213-219.	8.1	746
5	Histone Deacetylase Inhibitors Enhance Memory and Synaptic Plasticity via CREB: CBP-Dependent Transcriptional Activation. <i>Journal of Neuroscience</i> , 2007, 27, 6128-6140.	3.6	741
6	Molecular mechanisms of memory acquisition, consolidation and retrieval. <i>Current Opinion in Neurobiology</i> , 2001, 11, 180-187.	4.2	631
7	Epigenetic targets of HDAC inhibition in neurodegenerative and psychiatric disorders. <i>Current Opinion in Pharmacology</i> , 2008, 8, 57-64.	3.5	444
8	Amyloid- β plaques enhance Alzheimer's brain tau-seeded pathologies by facilitating neuritic plaque tau aggregation. <i>Nature Medicine</i> , 2018, 24, 29-38.	30.7	433
9	Different Training Procedures Recruit Either One or Two Critical Periods for Contextual Memory Consolidation, Each of Which Requires Protein Synthesis and PKA. <i>Learning and Memory</i> , 1998, 5, 365-374.	1.3	429
10	Sleep Deprivation Selectively Impairs Memory Consolidation for Contextual Fear Conditioning. <i>Learning and Memory</i> , 2003, 10, 168-176.	1.3	399
11	Sleep, Plasticity and Memory from Molecules to Whole-Brain Networks. <i>Current Biology</i> , 2013, 23, R774-R788.	3.9	378
12	Different training procedures recruit either one or two critical periods for contextual memory consolidation, each of which requires protein synthesis and PKA. <i>Learning and Memory</i> , 1998, 5, 365-74.	1.3	368
13	Sleep deprivation impairs cAMP signalling in the hippocampus. <i>Nature</i> , 2009, 461, 1122-1125.	27.8	339
14	Acetyl-CoA synthetase regulates histone acetylation and hippocampal memory. <i>Nature</i> , 2017, 546, 381-386.	27.8	329
15	Memory Suppressor Genes: Inhibitory Constraints on the Storage of Long-Term Memory. <i>Science</i> , 1998, 279, 338-341.	12.6	288
16	Transgenic mice expressing a truncated form of CREB-binding protein (CBP) exhibit deficits in hippocampal synaptic plasticity and memory storage. <i>Learning and Memory</i> , 2005, 12, 111-119.	1.3	286
17	Environmental Enrichment Modifies the PKA-Dependence of Hippocampal LTP and Improves Hippocampus-Dependent Memory. <i>Learning and Memory</i> , 2001, 8, 26-34.	1.3	278
18	The Role of Histone Acetylation in Memory Formation and Cognitive Impairments. <i>Neuropsychopharmacology</i> , 2013, 38, 62-76.	5.4	260

#	ARTICLE	IF	CITATIONS
19	Long-term effects of culture of preimplantation mouse embryos on behavior. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1595-1600.	7.1	256
20	Direct Current Stimulation Modulates LTP and LTD: Activity Dependence and Dendritic Effects. Brain Stimulation, 2017, 10, 51-58.	1.6	255
21	Positive and negative regulatory mechanisms that mediate long-term memory storage1Published on the World Wide Web on 13 January 1998.1. Brain Research Reviews, 1998, 26, 360-378.	9.0	252
22	Targeting Amyloid- β Peptide ($A\beta$) Oligomers by Passive Immunization with a Conformation-selective Monoclonal Antibody Improves Learning and Memory in $A\beta$ Precursor Protein (APP) Transgenic Mice. Journal of Biological Chemistry, 2006, 281, 4292-4299.	3.4	246
23	Sleep deprivation and hippocampal vulnerability: changes in neuronal plasticity, neurogenesis and cognitive function. Neuroscience, 2015, 309, 173-190.	2.3	233
24	Sex Differences in Autism Spectrum Disorder: a Review. Current Psychiatry Reports, 2018, 20, 9.	4.5	216
25	Strain-dependent Differences in LTP and Hippocampus-dependent Memory in Inbred Mice. Learning and Memory, 2000, 7, 170-179.	1.3	215
26	The role of protein synthesis in memory consolidation: Progress amid decades of debate. Neurobiology of Learning and Memory, 2008, 89, 293-311.	1.9	209
27	Long-lasting forms of synaptic potentiation in the mammalian hippocampus.. Learning and Memory, 1996, 3, 74-85.	1.3	207
28	Behavioral impairments caused by injections of the protein synthesis inhibitor anisomycin after contextual retrieval reverse with time. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4667-4672.	7.1	204
29	Sleep and memory: a molecular perspective. Trends in Neurosciences, 2001, 24, 237-243.	8.6	192
30	Sleep deprivation causes memory deficits by negatively impacting neuronal connectivity in hippocampal area CA1. ELife, 2016, 5, .	6.0	191
31	Post-training reversible inactivation of the hippocampus enhances novel object recognition memory. Learning and Memory, 2010, 17, 155-160.	1.3	188
32	Protein Synthesis Is Required for the Enhancement of Long-Term Potentiation and Long-Term Memory by Spaced Training. Journal of Neurophysiology, 2002, 87, 2770-2777.	1.8	179
33	A transcription factor-binding domain of the coactivator CBP is essential for long-term memory and the expression of specific target genes. Learning and Memory, 2006, 13, 609-617.	1.3	175
34	Astrocyte-Derived Adenosine and A_2A Receptor Activity Contribute to Sleep Loss-Induced Deficits in Hippocampal Synaptic Plasticity and Memory in Mice. Journal of Neuroscience, 2011, 31, 6956-6962.	3.6	169
35	Chapter 6 Regulation of hippocampus-dependent memory by cyclic AMP-dependent protein kinase. Progress in Brain Research, 2008, 169, 97-115.	1.4	162
36	Transgenic mice expressing an inhibitory truncated form of p300 exhibit long-term memory deficits. Learning and Memory, 2007, 14, 564-572.	1.3	156

#	ARTICLE	IF	CITATIONS
37	The impact of sleep deprivation on neuronal and glial signaling pathways important for memory and synaptic plasticity. <i>Cellular Signalling</i> , 2012, 24, 1251-1260.	3.6	156
38	Different Requirements for Protein Synthesis in Acquisition and Extinction of Spatial Preferences and Context-Evoked Fear. <i>Journal of Neuroscience</i> , 2001, 21, 5773-5780.	3.6	155
39	The mouse: genetics meets behaviour. <i>Nature Reviews Genetics</i> , 2002, 3, 114-123.	16.3	154
40	Rolipram: A specific phosphodiesterase 4 inhibitor with potential antipsychotic activity. <i>Neuroscience</i> , 2007, 144, 239-246.	2.3	151
41	The cAMP-Protein Kinase A Signal Transduction Pathway Modulates Ethanol Consumption and Sedative Effects of Ethanol. <i>Journal of Neuroscience</i> , 2001, 21, 5297-5303.	3.6	139
42	NR4A nuclear receptors support memory enhancement by histone deacetylase inhibitors. <i>Journal of Clinical Investigation</i> , 2012, 122, 3593-3602.	8.2	128
43	Action of leucine zippers. <i>Nature</i> , 1989, 341, 24-25.	27.8	126
44	A <i>Drosophila</i> CREB/ATF transcriptional activator binds to both fat body- and liver-specific regulatory elements.. <i>Genes and Development</i> , 1992, 6, 466-480.	5.9	125
45	Days to criterion as an indicator of toxicity associated with human Alzheimer amyloid β oligomers. <i>Annals of Neurology</i> , 2010, 68, 220-230.	5.3	123
46	Genomic analysis of sleep deprivation reveals translational regulation in the hippocampus. <i>Physiological Genomics</i> , 2012, 44, 981-991.	2.3	123
47	Oxalic acid and diacylglycerol 36:3 are cross-species markers of sleep debt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2569-2574.	7.1	121
48	Neuropeptides, adenylyl cyclase, and memory storage. <i>Science</i> , 1995, 268, 825-826.	12.6	119
49	A <i>Drosophila</i> GATA family member that binds to <i>Adh</i> regulatory sequences is expressed in the developing fat body. <i>Development (Cambridge)</i> , 1993, 119, 623-633.	2.5	117
50	Parallel Instabilities of Long-Term Potentiation, Place Cells, and Learning Caused by Decreased Protein Kinase A Activity. <i>Journal of Neuroscience</i> , 2000, 20, 8096-8102.	3.6	116
51	Aging impairs hippocampus-dependent long-term memory for object location in mice. <i>Neurobiology of Aging</i> , 2012, 33, 2220-2224.	3.1	115
52	A loss of function allele for murine Staufen1 leads to impairment of dendritic Staufen1-RNP delivery and dendritic spine morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16374-16379.	7.1	113
53	Neuregulin 1 transgenic mice display reduced mismatch negativity, contextual fear conditioning and social interactions. <i>Brain Research</i> , 2009, 1294, 116-127.	2.2	111
54	The role of NR4A transcription factors in memory formation. <i>Brain Research Bulletin</i> , 2011, 85, 21-29.	3.0	111

#	ARTICLE	IF	CITATIONS
55	Genetic Evidence for a Role of CREB in Sustained Cortical Arousal. <i>Journal of Neurophysiology</i> , 2003, 90, 1152-1159.	1.8	109
56	Behavioral epigenetics. <i>Annals of the New York Academy of Sciences</i> , 2011, 1226, 14-33.	3.8	109
57	Sleep deprivation impairs memory by attenuating mTORC1-dependent protein synthesis. <i>Science Signaling</i> , 2016, 9, ra41.	3.6	108
58	Sleep deprivation during a specific 3-hour time window post-training impairs hippocampal synaptic plasticity and memory. <i>Neurobiology of Learning and Memory</i> , 2014, 109, 122-130.	1.9	106
59	The critical importance of basic animal research for neuropsychiatric disorders. <i>Neuropsychopharmacology</i> , 2019, 44, 1349-1353.	5.4	106
60	Spatiotemporal profile of postsynaptic interactomes integrates components of complex brain disorders. <i>Nature Neuroscience</i> , 2017, 20, 1150-1161.	14.8	104
61	Transgenic approaches to cognition. <i>Current Opinion in Neurobiology</i> , 1995, 5, 141-148.	4.2	101
62	Adrenergic Signaling Plays a Critical Role in the Maintenance of Waking and in the Regulation of REM Sleep. <i>Journal of Neurophysiology</i> , 2004, 92, 2071-2082.	1.8	100
63	Phosphodiesterase inhibitors: A novel mechanism for receptor-independent antipsychotic medications. <i>Neuroscience</i> , 2004, 129, 101-107.	2.3	98
64	Behavioral analysis of CREB ?? mutation on a B6/129 F1 hybrid background. <i>Hippocampus</i> , 2002, 12, 18-26.	1.9	97
65	Combinatorial chromatin modifications and memory storage: A code for memory?. <i>Learning and Memory</i> , 2006, 13, 241-244.	1.3	97
66	Suppression of InsP ₃ Receptor-Mediated Ca ²⁺ Signaling Alleviates Mutant Presenilin-Linked Familial Alzheimer's Disease Pathogenesis. <i>Journal of Neuroscience</i> , 2014, 34, 6910-6923.	3.6	95
67	An open-source toolbox for automated phenotyping of mice in behavioral tasks. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 349.	2.0	92
68	Subregion-specific p300 conditional knock-out mice exhibit long-term memory impairments. <i>Learning and Memory</i> , 2011, 18, 161-169.	1.3	91
69	The impact of sleep loss on hippocampal function. <i>Learning and Memory</i> , 2013, 20, 558-569.	1.3	91
70	Mice Deficient for Testis-Brain RNA-Binding Protein Exhibit a Coordinate Loss of TRAX, Reduced Fertility, Altered Gene Expression in the Brain, and Behavioral Changes. <i>Molecular and Cellular Biology</i> , 2003, 23, 6419-6434.	2.3	90
71	How data analysis affects power, reproducibility and biological insight of RNA-seq studies in complex datasets. <i>Nucleic Acids Research</i> , 2015, 43, 7664-7674.	14.5	90
72	Quantification of Brain Maturation and Growth Patterns in C57BL/6J Mice via Computational Neuroanatomy of Diffusion Tensor Images. <i>Cerebral Cortex</i> , 2009, 19, 675-687.	2.9	89

#	ARTICLE	IF	CITATIONS
73	MicroRNAs as biomarkers of resilience or vulnerability to stress. <i>Neuroscience</i> , 2015, 305, 36-48.	2.3	89
74	The Effects of Ketamine Vary Among Inbred Mouse Strains and Mimic Schizophrenia for the P80, but not P20 or N40 Auditory ERP Components. <i>Neurochemical Research</i> , 2004, 29, 1179-1188.	3.3	85
75	A GATA family transcription factor is expressed along the embryonic dorsoventral axis in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 1993, 119, 1055-1065.	2.5	85
76	Post-training intrahippocampal inhibition of class I histone deacetylases enhances long-term object-location memory. <i>Learning and Memory</i> , 2011, 18, 367-370.	1.3	83
77	Reversal of Impaired Hippocampal Long-Term Potentiation and Contextual Fear Memory Deficits in Angelman Syndrome Model Mice by ErbB Inhibitors. <i>Biological Psychiatry</i> , 2012, 72, 182-190.	1.3	83
78	The tired hippocampus: the molecular impact of sleep deprivation on hippocampal function. <i>Current Opinion in Neurobiology</i> , 2017, 44, 13-19.	4.2	80
79	Aging in Mice Reduces the Ability to Sustain Sleep/Wake States. <i>PLoS ONE</i> , 2013, 8, e81880.	2.5	79
80	Temporal spacing of synaptic stimulation critically modulates the dependence of LTP on cyclic AMP-dependent protein kinase. <i>Hippocampus</i> , 2003, 13, 293-300.	1.9	74
81	Impaired Rapid Eye Movement Sleep in the Tg2576 APP Murine Model of Alzheimer's Disease with Injury to Pedunculopontine Cholinergic Neurons. <i>American Journal of Pathology</i> , 2005, 167, 1361-1369.	3.8	74
82	<i>Gadd45b</i> knockout mice exhibit selective deficits in hippocampus-dependent long-term memory. <i>Learning and Memory</i> , 2012, 19, 319-324.	1.3	74
83	Sleep Deprivation and the Epigenome. <i>Frontiers in Neural Circuits</i> , 2018, 12, 14.	2.8	70
84	Male-specific deficits in natural reward learning in a mouse model of neurodevelopmental disorders. <i>Molecular Psychiatry</i> , 2018, 23, 544-555.	7.9	68
85	Low sociability is associated with reduced size of the corpus callosum in the BALB/cj inbred mouse strain. <i>Brain Research</i> , 2008, 1230, 211-217.	2.2	67
86	Metaplasticity of the late-phase of long-term potentiation: a critical role for protein kinase A in synaptic tagging. <i>European Journal of Neuroscience</i> , 2006, 23, 1784-1794.	2.6	66
87	Behavioral and Neurochemical Alterations in Mice Lacking the RNA-Binding Protein Translin. <i>Journal of Neuroscience</i> , 2006, 26, 2184-2196.	3.6	65
88	Transgenic Inhibition of Neuronal Protein Kinase A Activity Facilitates Fear Extinction. <i>Journal of Neuroscience</i> , 2006, 26, 12700-12707.	3.6	65
89	Rigor and reproducibility in rodent behavioral research. <i>Neurobiology of Learning and Memory</i> , 2019, 165, 106780.	1.9	65
90	Effects of Chronic Olanzapine and Haloperidol Differ on the Mouse N1 Auditory Evoked Potential. <i>Neuropsychopharmacology</i> , 2004, 29, 739-746.	5.4	63

#	ARTICLE	IF	CITATIONS
91	A Modified Controlled Cortical Impact Technique to Model Mild Traumatic Brain Injury Mechanics in Mice. <i>Frontiers in Neurology</i> , 2014, 5, 100.	2.4	63
92	Hyperactivity and male-specific sleep deficits in the 16p11.2 deletion mouse model of autism. <i>Autism Research</i> , 2017, 10, 572-584.	3.8	63
93	Constitutive Activation of Gl _{1s} within Forebrain Neurons Causes Deficits in Sensorimotor Gating Because of PKA-Dependent Decreases in cAMP. <i>Neuropsychopharmacology</i> , 2007, 32, 577-588.	5.4	62
94	Induction of Neuronal Vascular Endothelial Growth Factor Expression by cAMP in the Dentate Gyrus of the Hippocampus Is Required for Antidepressant-Like Behaviors. <i>Journal of Neuroscience</i> , 2009, 29, 8493-8505.	3.6	62
95	Transiently Increasing cAMP Levels Selectively in Hippocampal Excitatory Neurons during Sleep Deprivation Prevents Memory Deficits Caused by Sleep Loss. <i>Journal of Neuroscience</i> , 2014, 34, 15715-15721.	3.6	62
96	Social defeat induces changes in histone acetylation and expression of histone modifying enzymes in the ventral hippocampus, prefrontal cortex, and dorsal raphe nucleus. <i>Neuroscience</i> , 2014, 264, 88-98.	2.3	61
97	The NR4A orphan nuclear receptors mediate transcription-dependent hippocampal synaptic plasticity. <i>Neurobiology of Learning and Memory</i> , 2013, 105, 151-158.	1.9	60
98	A brief period of sleep deprivation causes spine loss in the dentate gyrus of mice. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 83-90.	1.9	60
99	Developmental etiology for neuroanatomical and cognitive deficits in mice overexpressing Gl _{1s} , a G-protein subunit genetically linked to schizophrenia. <i>Molecular Psychiatry</i> , 2009, 14, 398-415.	7.9	59
100	β ₂ -Adrenergic receptor activation during distinct patterns of stimulation critically modulates the PKA-dependence of LTP in the mouse hippocampus. <i>Learning and Memory</i> , 2008, 15, 281-289.	1.3	58
101	Ubiquitin C-terminal hydrolase L3 (Uchl3) is involved in working memory. <i>Hippocampus</i> , 2005, 15, 610-621.	1.9	56
102	Temporal Sensitivity of Protein Kinase A Activation in Late-Phase Long Term Potentiation. <i>PLoS Computational Biology</i> , 2010, 6, e1000691.	3.2	56
103	Sociability and brain development in BALB/cj and C57BL/6j mice. <i>Behavioural Brain Research</i> , 2012, 228, 299-310.	2.2	56
104	Animal Studies on the Role of Sleep in Memory: From Behavioral Performance to Molecular Mechanisms. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 25, 183-206.	1.7	56
105	Reconsidering animal models used to study autism spectrum disorder: Current state and optimizing future. <i>Genes, Brain and Behavior</i> , 2022, 21, e12803.	2.2	55
106	Inhibition of auditory evoked potentials and prepulse inhibition of startle in DBA/2j and DBA/2Hsd inbred mouse substrains. <i>Brain Research</i> , 2003, 992, 85-95.	2.2	54
107	Fear conditioning increases NREM sleep.. <i>Behavioral Neuroscience</i> , 2007, 121, 310-323.	1.2	54
108	The cholinergic system and neostriatal memory functions. <i>Behavioural Brain Research</i> , 2011, 221, 412-423.	2.2	54

#	ARTICLE	IF	CITATIONS
109	Gravin Orchestrates Protein Kinase A and β 2-Adrenergic Receptor Signaling Critical for Synaptic Plasticity and Memory. <i>Journal of Neuroscience</i> , 2012, 32, 18137-18149.	3.6	54
110	Deficits in spatial memory correlate with modified β -aminobutyric acid type A receptor tyrosine phosphorylation in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20039-20044.	7.1	53
111	Compartmentalized PDE4A5 Signaling Impairs Hippocampal Synaptic Plasticity and Long-Term Memory. <i>Journal of Neuroscience</i> , 2016, 36, 8936-8946.	3.6	52
112	Sociability Deficits and Altered Amygdala Circuits in Mice Lacking <i>Pcdh10</i> , an Autism Associated Gene. <i>Biological Psychiatry</i> , 2017, 81, 193-202.	1.3	51
113	Memory acquisition and retrieval impact different epigenetic processes that regulate gene expression. <i>BMC Genomics</i> , 2015, 16, S5.	2.8	50
114	Differential transcriptional response to nonassociative and associative components of classical fear conditioning in the amygdala and hippocampus. <i>Learning and Memory</i> , 2006, 13, 135-142.	1.3	49
115	Differential role for CBP and p300 CREB-binding domain in motor skill learning.. <i>Behavioral Neuroscience</i> , 2006, 120, 724-729.	1.2	48
116	Exchange protein activated by cAMP enhances long-term memory formation independent of protein kinase A. <i>Learning and Memory</i> , 2009, 16, 367-370.	1.3	48
117	Genetic and pharmacological demonstration of a role for cyclic AMP-dependent protein kinase-mediated suppression of protein phosphatases in gating the expression of late LTP. <i>European Journal of Neuroscience</i> , 2002, 16, 1871-1876.	2.6	46
118	Genetic and Pharmacological Demonstration of Differential Recruitment of cAMP-Dependent Protein Kinases by Synaptic Activity. <i>Journal of Neurophysiology</i> , 2000, 84, 2739-2745.	1.8	45
119	Compartmentalized PKA signaling events are required for synaptic tagging and capture during hippocampal late-phase long-term potentiation. <i>European Journal of Cell Biology</i> , 2006, 85, 635-642.	3.6	45
120	Genetic Disruption of Protein Kinase A Anchoring Reveals a Role for Compartmentalized Kinase Signaling in Theta-Burst Long-Term Potentiation and Spatial Memory. <i>Journal of Neuroscience</i> , 2007, 27, 10278-10288.	3.6	45
121	Pharmacological Activators of the NR4A Nuclear Receptors Enhance LTP in a CREB/CBP-Dependent Manner. <i>Neuropsychopharmacology</i> , 2017, 42, 1243-1253.	5.4	45
122	Colocalization of Protein Kinase A with Adenylyl Cyclase Enhances Protein Kinase A Activity during Induction of Long-Lasting Long-Term-Potentiation. <i>PLoS Computational Biology</i> , 2011, 7, e1002084.	3.2	44
123	Chronic ketamine impairs fear conditioning and produces long-lasting reductions in auditory evoked potentials. <i>Neurobiology of Disease</i> , 2009, 35, 311-317.	4.4	43
124	Linking spatial gene expression patterns to sex-specific brain structural changes on a mouse model of 16p11.2 hemideletion. <i>Translational Psychiatry</i> , 2018, 8, 109.	4.8	43
125	Enhancement of Presynaptic Glutamate Release and Persistent Inflammatory Pain by Increasing Neuronal cAMP in the Anterior Cingulate Cortex. <i>Molecular Pain</i> , 2008, 4, 1744-8069-4-40.	2.1	41
126	Involvement of Hippocampal Jun-N Terminal Kinase Pathway in the Enhancement of Learning and Memory by Nicotine. <i>Neuropsychopharmacology</i> , 2010, 35, 483-492.	5.4	40

#	ARTICLE	IF	CITATIONS
127	Extinction, renewal, and spontaneous recovery of a spatial preference in the water maze.. Behavioral Neuroscience, 2003, 117, 1017-1028.	1.2	39
128	Adenosine Differentially Modulates Synaptic Transmission of Excitatory and Inhibitory Microcircuits in Layer 4 of Rat Barrel Cortex. Cerebral Cortex, 2017, 27, 4411-4422.	2.9	39
129	Development of home cage social behaviors in BALB/cj vs. C57BL/6j mice. Behavioural Brain Research, 2013, 237, 338-347.	2.2	38
130	High Resolution Magnetic Resonance Imaging for Characterization of the Neuroligin-3 Knock-in Mouse Model Associated with Autism Spectrum Disorder. PLoS ONE, 2014, 9, e109872.	2.5	36
131	A RNAscope whole mount approach that can be combined with immunofluorescence to quantify differential distribution of mRNA. Cell and Tissue Research, 2018, 374, 251-262.	2.9	36
132	A Drosophila GATA family member that binds to Adh regulatory sequences is expressed in the developing fat body. Development (Cambridge), 1993, 119, 623-33.	2.5	36
133	Chronically increased Gs β signaling disrupts associative and spatial learning. Learning and Memory, 2006, 13, 745-752.	1.3	35
134	Constitutive activation of the G-protein subunit G β s within forebrain neurons causes PKA-dependent alterations in fear conditioning and cortical Arc mRNA expression. Learning and Memory, 2008, 15, 75-83.	1.3	35
135	Chapter 1 Genetic Dissection of Neural Circuits and Behavior in Mus musculus. Advances in Genetics, 2009, 65, 1-38.	1.8	34
136	Sensorimotor Gating Deficits in Transgenic Mice Expressing a Constitutively Active Form of Gs β . Neuropsychopharmacology, 2004, 29, 494-501.	5.4	33
137	Biochemical, molecular and behavioral phenotypes of Rab3A mutations in the mouse. Genes, Brain and Behavior, 2007, 6, 77-96.	2.2	33
138	Fear conditioning in inbred mouse strains: An analysis of the time course of memory.. Behavioral Neuroscience, 2001, 115, 951-956.	1.2	32
139	Longitudinal in-vivo diffusion tensor imaging for assessing brain developmental changes in BALB/cj mice, a model of reduced sociability relevant to autism. Brain Research, 2012, 1455, 56-67.	2.2	32
140	A presynaptic role for PKA in synaptic tagging and memory. Neurobiology of Learning and Memory, 2014, 114, 101-112.	1.9	32
141	Dorsal BNST β -Adrenergic Receptors Produce HCN-Dependent Excitatory Actions That Initiate Anxiogenic Behaviors. Journal of Neuroscience, 2018, 38, 8922-8942.	3.6	31
142	Chronic G β s Signaling in the Striatum Increases Anxiety-Related Behaviors Independent of Developmental Effects. Journal of Neuroscience, 2008, 28, 13952-13956.	3.6	30
143	Daily Acclimation Handling Does Not Affect Hippocampal Long-Term Potentiation or Cause Chronic Sleep Deprivation in Mice. Sleep, 2013, 36, 601-607.	1.1	30
144	Learning induces the translin/trax RNase complex to express activin receptors for persistent memory. ELife, 2017, 6, .	6.0	30

#	ARTICLE	IF	CITATIONS
145	Corticosterone Modulates Auditory Gating in Mouse. <i>Neuropsychopharmacology</i> , 2006, 31, 897-903.	5.4	29
146	A Novel Conditional Genetic System Reveals That Increasing Neuronal cAMP Enhances Memory and Retrieval. <i>Journal of Neuroscience</i> , 2008, 28, 6220-6230.	3.6	29
147	A Molecular Basis for Interactions Between Sleep and Memory. <i>Sleep Medicine Clinics</i> , 2011, 6, 71-84.	2.6	29
148	Primary blast injury causes cognitive impairments and hippocampal circuit alterations. <i>Experimental Neurology</i> , 2016, 283, 16-28.	4.1	29
149	Home-cage hypoactivity in mouse genetic models of autism spectrum disorder. <i>Neurobiology of Learning and Memory</i> , 2019, 165, 107000.	1.9	29
150	Effects of post-session injections of anisomycin on the extinction of a spatial preference and on the acquisition of a spatial reversal preference. <i>Behavioural Brain Research</i> , 2004, 153, 327-339.	2.2	28
151	Effect of myristoylated alanine-rich C kinase substrate (MARCKS) overexpression on hippocampus-dependent learning and hippocampal synaptic plasticity in MARCKS transgenic mice. <i>Hippocampus</i> , 2005, 15, 675-683.	1.9	28
152	Transcriptional co-repressors and memory storage. <i>Neuropharmacology</i> , 2014, 80, 53-60.	4.1	28
153	Contextual fear conditioning induces differential alternative splicing. <i>Neurobiology of Learning and Memory</i> , 2016, 134, 221-235.	1.9	28
154	The Role of Synaptic Cell Adhesion Molecules and Associated Scaffolding Proteins in Social Affiliative Behaviors. <i>Biological Psychiatry</i> , 2020, 88, 442-451.	1.3	27
155	$\hat{\beta}$ -adrenergic signaling broadly contributes to LTP induction. <i>PLoS Computational Biology</i> , 2017, 13, e1005657.	3.2	27
156	Myristoylated alanine rich C kinase substrate (MARCKS) heterozygous mutant mice exhibit deficits in hippocampal mossy fiber-CA3 long-term potentiation. <i>Hippocampus</i> , 2006, 16, 495-503.	1.9	25
157	Genetic Evidence for a Role for Protein Kinase A in the Maintenance of Sleep and Thalamocortical Oscillations. <i>Sleep</i> , 2010, 33, 19-28.	1.1	25
158	Learning-dependent chromatin remodeling highlights noncoding regulatory regions linked to autism. <i>Science Signaling</i> , 2018, 11, .	3.6	25
159	An immediate-shock freezing deficit with discrete cues: A possible role for unconditioned stimulus processing mechanisms.. <i>Journal of Experimental Psychology</i> , 2001, 27, 394-406.	1.7	24
160	Pharmacological activation of Nr4a rescues age-associated memory decline. <i>Neurobiology of Aging</i> , 2020, 85, 140-144.	3.1	24
161	Activation of basolateral amygdala in juvenile C57BL/6J mice during social approach behavior. <i>Neuroscience</i> , 2016, 335, 184-194.	2.3	23
162	Translational changes induced by acute sleep deprivation uncovered by TRAP-Seq. <i>Molecular Brain</i> , 2020, 13, 165.	2.6	23

#	ARTICLE	IF	CITATIONS
163	Depressive symptoms in higher education students during the first wave of the COVID-19 pandemic. An examination of the association with various social risk factors across multiple high- and middle-income countries. <i>SSM - Population Health</i> , 2021, 16, 100936.	2.7	23
164	Rolipram treatment during consolidation ameliorates long-term object location memory in aged male mice. <i>Neurobiology of Learning and Memory</i> , 2020, 169, 107168.	1.9	22
165	From Circuits to Chromatin: The Emerging Role of Epigenetics in Mental Health. <i>Journal of Neuroscience</i> , 2021, 41, 873-882.	3.6	22
166	Mutation of neuron-specific chromatin remodeling subunit BAF53b: rescue of plasticity and memory by manipulating actin remodeling. <i>Learning and Memory</i> , 2017, 24, 199-209.	1.3	21
167	Predictive Pattern Classification Can Distinguish Gender Identity Subtypes from Behavior and Brain Imaging. <i>Cerebral Cortex</i> , 2020, 30, 2755-2765.	2.9	21
168	The β -Protocadherins Interact Physically and Functionally with Neuroligin-2 to Negatively Regulate Inhibitory Synapse Density and Are Required for Normal Social Interaction. <i>Molecular Neurobiology</i> , 2021, 58, 2574-2589.	4.0	21
169	The functional neural architecture of dysfunctional reward processing in autism. <i>NeuroImage: Clinical</i> , 2021, 31, 102700.	2.7	21
170	The Role of μ Opioid Receptor in Brain Ischemia. <i>Critical Care Medicine</i> , 2016, 44, e1219-e1225.	0.9	20
171	Nerve Growth Factor Serum Levels Are Associated With Regional Gray Matter Volume Differences in Schizophrenia Patients. <i>Frontiers in Psychiatry</i> , 2019, 10, 275.	2.6	20
172	Fear conditioning in inbred mouse strains: An analysis of the time course of memory.. <i>Behavioral Neuroscience</i> , 2001, 115, 951-956.	1.2	20
173	The CBP KIX domain regulates long-term memory and circadian activity. <i>BMC Biology</i> , 2020, 18, 155.	3.8	19
174	Male-specific alterations in structure of isolation call sequences of mouse pups with 16p11.2 deletion. <i>Genes, Brain and Behavior</i> , 2020, 19, e12681.	2.2	19
175	Altered hippocampal transcriptome dynamics following sleep deprivation. <i>Molecular Brain</i> , 2021, 14, 125.	2.6	19
176	Mice expressing constitutively active G_{s1} exhibit stimulus encoding deficits similar to those observed in schizophrenia patients. <i>Neuroscience</i> , 2006, 141, 1257-1264.	2.3	18
177	Connectome and Maturation Profiles of the Developing Mouse Brain Using Diffusion Tensor Imaging. <i>Cerebral Cortex</i> , 2015, 25, 2696-2706.	2.9	18
178	HCN4 knockdown in dorsal hippocampus promotes anxiety-like behavior in mice. <i>Genes, Brain and Behavior</i> , 2019, 18, e12550.	2.2	18
179	Genetic Approaches to the Study of Synaptic Plasticity and Memory Storage. <i>CNS Spectrums</i> , 2003, 8, 597-610.	1.2	17
180	H3.3 Barcoding of Nucleus Accumbens Transcriptional Activity Identifies Novel Molecular Cascades Associated with Cocaine Self-administration in Mice. <i>Journal of Neuroscience</i> , 2019, 39, 5247-5254.	3.6	17

#	ARTICLE	IF	CITATIONS
181	Transcriptional corepressor SIN3A regulates hippocampal synaptic plasticity via Homer1/mGluR5 signaling. <i>JCI Insight</i> , 2020, 5, .	5.0	17
182	VMAT1 deletion causes neuronal loss in the hippocampus and neurocognitive deficits in spatial discrimination. <i>Neuroscience</i> , 2013, 232, 32-44.	2.3	16
183	Effects of sleep deprivation and aging on long-term and remote memory in mice. <i>Learning and Memory</i> , 2015, 22, 197-202.	1.3	16
184	Sleep deprivation impairs synaptic tagging in mouse hippocampal slices. <i>Neurobiology of Learning and Memory</i> , 2018, 154, 136-140.	1.9	16
185	An immediate-shock freezing deficit with discrete cues: a possible role for unconditioned stimulus processing mechanisms. <i>Journal of Experimental Psychology</i> , 2001, 27, 394-406.	1.7	16
186	Endoplasmic reticulum chaperone genes encode effectors of long-term memory. <i>Science Advances</i> , 2022, 8, eabm6063.	10.3	16
187	Association between sociability and diffusion tensor imaging in BALB/c mice. <i>NMR in Biomedicine</i> , 2012, 25, 104-112.	2.8	15
188	Object-location training elicits an overlapping but temporally distinct transcriptional profile from contextual fear conditioning. <i>Neurobiology of Learning and Memory</i> , 2014, 116, 90-95.	1.9	15
189	Memory suppressor genes: Enhancing the relationship between synaptic plasticity and memory storage. <i>Journal of Neuroscience Research</i> , 1999, 58, 10-23.	2.9	14
190	Pathology Associated Memory Deficits in Swedish Mutant Genome-Based Amyloid Precursor Protein Transgenic Mice. <i>Current Aging Science</i> , 2009, 2, 205-213.	1.2	14
191	TetR hybrid transcription factors report cell signaling and are inhibited by doxycycline. <i>BioTechniques</i> , 2005, 39, 529-536.	1.8	12
192	Embryo culture does not affect the longevity of offspring in mice. <i>Reproduction</i> , 2005, 130, 599-601.	2.6	12
193	Sensory encoding in Neuregulin 1 mutants. <i>Brain Structure and Function</i> , 2016, 221, 1067-1081.	2.3	12
194	Comprehensive Behavioral Phenotyping of a 16p11.2 Del Mouse Model for Neurodevelopmental Disorders. <i>Autism Research</i> , 2020, 13, 1670-1684.	3.8	12
195	Sleep deprivation reduces the density of individual spine subtypes in a branch-specific fashion in CA1 neurons. <i>Journal of Sleep Research</i> , 2022, 31, e13438.	3.2	12
196	Caspase-3 and GFAP as early markers for apoptosis and astrogliosis in shRNA-induced hippocampal cytotoxicity. <i>Journal of Experimental Biology</i> , 2017, 220, 1400-1404.	1.7	11
197	Sociability development in mice with cell-specific deletion of the NMDA receptor NR1 subunit gene. <i>Genes, Brain and Behavior</i> , 2020, 19, e12624.	2.2	11
198	Cyclic AMP response element-binding protein is required in excitatory neurons in the forebrain to sustain wakefulness. <i>Sleep</i> , 2021, 44, .	1.1	11

#	ARTICLE	IF	CITATIONS
199	Age- and sex-specific fear conditioning deficits in mice lacking Pcdh10, an Autism Associated Gene. <i>Neurobiology of Learning and Memory</i> , 2021, 178, 107364.	1.9	10
200	Synaptic dysfunction connects autism spectrum disorder and sleep disturbances: A perspective from studies in model organisms. <i>Sleep Medicine Reviews</i> , 2022, 62, 101595.	8.5	10
201	Dendritic diameter influences the rate and magnitude of hippocampal cAMP and PKA transients during β_2 -adrenergic receptor activation. <i>Neurobiology of Learning and Memory</i> , 2017, 138, 10-20.	1.9	9
202	Developmental or adulthood overexpression of $G\beta_5$, a G-protein subunit genetically linked to schizophrenia, is sufficient to cause enlarged lateral ventricles and a smaller dorsal and ventral striatum in adult mice. <i>Molecular Psychiatry</i> , 2009, 14, 347-347.	7.9	8
203	Trax: A versatile signaling protein plays key roles in synaptic plasticity and DNA repair. <i>Neurobiology of Learning and Memory</i> , 2019, 159, 46-51.	1.9	8
204	Selective role of the translin/trax RNase complex in hippocampal synaptic plasticity. <i>Molecular Brain</i> , 2020, 13, 145.	2.6	8
205	Nolz1 expression is required in dopaminergic axon guidance and striatal innervation. <i>Nature Communications</i> , 2020, 11, 3111.	12.8	8
206	Behavioral analysis of CREB β mutation on a B6/129 F1 hybrid background. <i>Hippocampus</i> , 2002, 12, 18.	1.9	8
207	Characterization of a Novel Chromatin Sorting Tool Reveals Importance of Histone Variant H3.3 in Contextual Fear Memory and Motor Learning. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 11.	2.9	7
208	Long-lasting transcription in hippocampal area CA1 after contextual fear conditioning. <i>Neurobiology of Learning and Memory</i> , 2020, 172, 107250.	1.9	7
209	Melatonin Profile in Marmots: The Influence of Catecholamines, Hibernation, and Light. <i>Journal of Pineal Research</i> , 1989, 7, 105-113.	7.4	6
210	Epigenetic advances in clinical neuroscience. <i>Dialogues in Clinical Neuroscience</i> , 2014, 16, 273-275.	3.7	6
211	Histone Modifications in the Nervous System and Neuropsychiatric Disorders. , 2013, , 35-67.		4
212	Molecular and cellular cognition: <i>Neurobiology of Learning and Memory Special Issue 2013</i> . <i>Neurobiology of Learning and Memory</i> , 2013, 105, 1-2.	1.9	4
213	Molecular Genetic Strategies in the Study of Corticohippocampal Circuits. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a021725.	5.5	4
214	Altered resonance properties of somatosensory responses in mice deficient for the schizophrenia risk gene Neuregulin 1. <i>Brain Structure and Function</i> , 2016, 221, 4383-4398.	2.3	4
215	Mice lacking the cAMP effector protein POPDC1 show enhanced hippocampal synaptic plasticity. <i>Cerebral Cortex</i> , 2022, 32, 3457-3471.	2.9	4
216	Role of Gene Transcription in Long-Term Memory Storage. , 2010, , 161-179.		3

#	ARTICLE	IF	CITATIONS
217	The Verbal Interaction Social Threat Task: A New Paradigm Investigating the Effects of Social Rejection in Men and Women. <i>Frontiers in Neuroscience</i> , 2019, 13, 830.	2.8	3
218	BDNF Serum Levels are Associated With White Matter Microstructure in Schizophrenia - A Pilot Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 31.	2.6	3
219	Neurobiobehavioral responses to virtual social rejection in females exploring the influence of oxytocin. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 326-333.	3.0	3
220	To Stay Happy, Keep Your SIRT1 Active. <i>Biological Psychiatry</i> , 2016, 80, 808-809.	1.3	2
221	The Impact of Sleep Deprivation on Molecular Mechanisms of Memory Consolidation in Rodents. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 75-85.	0.3	2
222	The cAMP/PKA Pathway and the Modeling of Human Memory Disorders in Mice. <i>Advances in Psychology</i> , 2008, 139, 301-315.	0.1	1
223	The Role of Histone Acetylation in Long-Term Memory Storage. <i>Research and Perspectives in Neurosciences</i> , 2012, , 71-80.	0.4	1
224	Sleep and long-term memory storage. , 0, , 208-218.		1
225	PKA Anchoring and Synaptic Tagging and Capture. , 2015, , 61-78.		1
226	Transcriptional Regulation of Memory Formation. , 2017, , 329-343.		1
227	Promoting recovery of neurological function. , 2002, , 79-104.		0
228	Epigenetic Mechanisms of Memory Consolidation. , 2011, , 267-285.		0
229	Exaggerated [Ca ²⁺] _i Signaling and Alzheimer's Disease-Like Phenotypes of PS1M146V Mice are Attenuated by Decreasing Brain InsP3R-1 Protein Levels. <i>Biophysical Journal</i> , 2013, 104, 121a.	0.5	0
230	Historical and Clinical Overview. , 2016, , 3-13.		0
231	Electric Fields Boost LTP in Vitro. <i>Brain Stimulation</i> , 2017, 10, e14-e15.	1.6	0
232	0022 MICRORNAS ARE CROSS-SPECIES MARKERS OF SLEEP LOSS IN HUMANS AND RATS. <i>Sleep</i> , 2017, 40, A8-A8.	1.1	0
233	Role of Gene Transcription in Long-Term Memory Storage. , 2017, , 405-405.		0
234	0346 Metabolic Aging and Sleep Loss: Metabolite Signatures Link Sleep Deprivation and Aging Across Tissues. <i>Sleep</i> , 2020, 43, A131-A131.	1.1	0

#	ARTICLE	IF	CITATIONS
235	Investigating DNA Methylation Changes Associated With Schizophrenia Using a Family-Based Approach. <i>Biological Psychiatry</i> , 2020, 87, S407.	1.3	0
236	Epigenetics of Memory Storage. , 0, 2009, .		0
237	Calculating genetic risk for dysfunction in pleiotropic biological processes using whole exome sequencing data. <i>Journal of Neurodevelopmental Disorders</i> , 2022, 14, .	3.1	0