J David Sweatt

List of Publications by Year
in descending order

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211 papers	34,906 citations	2962 96 h-index	4035 182 g-index
216 all docs	216 docs citations	216 times ranked	29743 citing authors

#	Article	IF	Citations
1	Tet1Isoforms Differentially Regulate Gene Expression, Synaptic Transmission, and Memory in the Mammalian Brain. Journal of Neuroscience, 2021, 41, 578-593.	1.7	23
2	Synthetic female gonadal hormones alter neurodevelopmental programming and behavior in F1 offspring. Hormones and Behavior, 2020, 126, 104848.	1.0	2
3	An Antisense Oligonucleotide Leads to Suppressed Transcription of Hdac2 and Long-Term Memory Enhancement. Molecular Therapy - Nucleic Acids, 2020, 19, 1399-1412.	2.3	18
4	A myelin-related transcriptomic profile is shared by Pittâ€“Hopkins syndrome models and human autism spectrum disorder. Nature Neuroscience, 2020, 23, 375-385.	7.1	89
5	The epigenetic basis of individuality. Current Opinion in Behavioral Sciences, 2019, 25, 51-56.	2.0	13
6	Broad domains of histone 3 lysine 4 trimethylation are associated with transcriptional activation in CA1 neurons of the hippocampus during memory formation. Neurobiology of Learning and Memory, 2019, 161, 149-157.	1.0	24
7	Cognition-Enhancing Vagus Nerve Stimulation Alters the Epigenetic Landscape. Journal of Neuroscience, 2019, 39, 2407-18.	1.7	27
8	Histone H3 lysine K4 methylation and its role in learning and memory. Epigenetics and Chromatin, 2019, 12, 7.	1.8	113
9	Locus-Specific DNA Methylation Assays to Study Glutamate Receptor Regulation. Methods in Molecular Biology, 2019, 1941, 167-188.	0.4	1
10	APOE genotype modifies the association between central arterial stiffening and cognition in older adults. Neurobiology of Aging, 2018, 67, 120-127.	1.5	16
11	Autosomal dominant retinitis pigmentosa rhodopsin mutant Q344X drives specific alterations in chromatin complex gene transcription. Molecular Vision, 2018, 24, 153-164.	1.1	5
12	Experience-dependent epigenomic reorganization in the hippocampus. Learning and Memory, 2017, 24, 278-288.	0.5	50
13	Layered-up regulation in the developing brain. Nature, 2017, 551, 448-449.	13.7	4
14	Epigenetics of Memory Processes. , 2017, , 347-358.		0
15	Extra-coding RNAs regulate neuronal DNA methylation dynamics. Nature Communications, 2016, 7, 12091.	5.8	57
16	Dynamic <scp>DNA</scp> methylation controls glutamate receptor trafficking and synaptic scaling. Journal of Neurochemistry, 2016, 137, 312-330.	2.1	47
17	Neural plasticity and behavior â€“ sixty years of conceptual advances. Journal of Neurochemistry, 2016, 139, 179-199.	2.1	432
18	Tcf4 Regulates Synaptic Plasticity, DNA Methylation, and Memory Function. Cell Reports, 2016, 16, 2666-2685.	2.9	113

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19	Chromatin controls behavior. Science, 2016, 353, 218-219.	6.0	3
20	Dynamic DNA methylation regulates neuronal intrinsic membrane excitability. Science Signaling, 2016, 9, ra83.	1.6	64
21	Obesity Weighs down Memory through a Mechanism Involving the Neuroepigenetic Dysregulation of Sirt1. Journal of Neuroscience, 2016, 36, 1324-1335.	1.7	69
22	Drugging the methylome: DNA methylation and memory. Critical Reviews in Biochemistry and Molecular Biology, 2016, 51, 185-194.	2.3	20
23	An epigenomics approach to individual differences and its translation to neuropsychiatric conditions. Dialogues in Clinical Neuroscience, 2016, 18, 289-298.	1.8	15
24	Pittâ€“Hopkins Mouse Model has Altered Particular Gastrointestinal Transits In Vivo. Autism Research, 2015, 8, 629-633.	2.1	35
25	Tet1 oxidase regulates neuronal gene transcription, active DNA hydroxymethylation, object location memory, and threat recognition memory. Neuroepigenetics, 2015, 4, 12-27.	2.8	42
26	Memory-Associated Dynamic Regulation of the â€œStableâ€•Core of the Chromatin Particle. Neuron, 2015, 87, 1-4.	3.8	37
27	DNA methylation regulates neuronal glutamatergic synaptic scaling. Science Signaling, 2015, 8, ra61.	1.6	113
28	DNA methylation regulates neurophysiological spatial representation in memory formation. Neuroepigenetics, 2015, 2, 1-8.	2.8	32
29	Pharmacological Selectivity Within Class I Histone Deacetylases Predicts Effects on Synaptic Function and Memory Rescue. Neuropsychopharmacology, 2015, 40, 2307-2316.	2.8	79
30	DNA Methylation in Memory Formation. Neuroscientist, 2015, 21, 475-489.	2.6	71
31	DNA Methylation and Its Implications and Accessibility for Neuropsychiatric Therapeutics. Annual Review of Pharmacology and Toxicology, 2015, 55, 591-611.	4.2	63
32	Behavioral and Electrophysiological Characterization of Dyt1 Heterozygous Knockout Mice. PLoS ONE, 2015, 10, e0120916.	1.1	21
33	Aging and energeticsâ€™ â€˜Top 40â€™ future research opportunities 2010-2013. F1000Research, 2014, 3, 219.	0.8	17
34	Transcriptional and epigenetic regulation of Hebbian and non-Hebbian plasticity. Neuropharmacology, 2014, 80, 3-17.	2.0	68
35	Histone H2A.Z subunit exchange controls consolidation of recent and remote memory. Nature, 2014, 515, 582-586.	13.7	147
36	DNA methylation regulates associative reward learning. Nature Neuroscience, 2013, 16, 1445-1452.	7.1	197

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37	The Emerging Field of Neuroepigenetics. Neuron, 2013, 80, 624-632.	3.8	270
38	TET1 Controls CNS 5-Methylcytosine Hydroxylation, Active DNA Demethylation, Gene Transcription, and Memory Formation. Neuron, 2013, 79, 1086-1093.	3.8	367
39	Epigenetic regulation of memory formation and maintenance. Learning and Memory, 2013, 20, 61-74.	0.5	294
40	Disruption of neocortical histone H3 homeostasis by soluble Aî²: implications for Alzheimer's disease. Neurobiology of Aging, 2013, 34, 2081-2090.	1.5	56
41	Proteaseâ€activated receptorâ€1 modulates hippocampal memory formation and synaptic plasticity. Journal of Neurochemistry, 2013, 124, 109-122.	2.1	51
42	Epigenetic Mechanisms in Learned Fear: Implications for PTSD. Neuropsychopharmacology, 2013, 38, 77-93.	2.8	174
43	Cellular, molecular, and epigenetic mechanisms in non-associative conditioning: Implications for pain and memory. Neurobiology of Learning and Memory, 2013, 105, 133-150.	1.0	93
44	Pittâ€“Hopkins Syndrome: intellectual disability due to loss of TCF4-regulated gene transcription. Experimental and Molecular Medicine, 2013, 45, e21-e21.	3.2	91
45	Epigenetic Mechanisms in Learning and Memory. , 2013, , 121-170.		0
46	An Overview of the Molecular Basis of Epigenetics. , 2013, , 3-33.		9
47	Interindividual Variability in Stress Susceptibility: A Role for Epigenetic Mechanisms in PTSD. Frontiers in Psychiatry, 2013, 4, 60.	1.3	52
48	The Role of the Gadd45 Family in the Nervous System: A Focus on Neurodevelopment, Neuronal Injury, and Cognitive Neuroepigenetics. Advances in Experimental Medicine and Biology, 2013, 793, 81-119.	0.8	52
49	Pre-Synaptic Release Deficits in a DYT1 Dystonia Mouse Model. PLoS ONE, 2013, 8, e72491.	1.1	20
50	Genetic Deletion ofgadd45b, a Regulator of Active DNA Demethylation, Enhances Long-Term Memory and Synaptic Plasticity. Journal of Neuroscience, 2012, 32, 17059-17066.	1.7	111
51	DNA Methylation in Memory Formation. Research and Perspectives in Neurosciences, 2012, , 81-96.	0.4	1
52	Adult mice maintained on a high-fat diet exhibit object location memory deficits and reduced hippocampal SIRT1 gene expression. Neurobiology of Learning and Memory, 2012, 98, 25-32.	1.0	142
53	Enhanced Hippocampal Long-Term Potentiation and Fear Memory in Btbd9 Mutant Mice. PLoS ONE, 2012, 7, e35518.	1.1	39
54	Mechanisms of Age-Related Cognitive Change and Targets for Intervention: Epigenetics. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 741-746.	1.7	56

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55	Epigenetic Treatments for Cognitive Impairments. Neuropsychopharmacology, 2012, 37, 247-260.	2.8	101
56	Epigenetic Modifications in Neurons are Essential for Formation and Storage of Behavioral Memory. Neuropsychopharmacology, 2011, 36, 357-358.	2.8	31
57	Hippocampal phenotypes in kalirin-deficient mice. Molecular and Cellular Neurosciences, 2011, 46, 45-54.	1.0	30
58	Epigenetic marking of the BDNF gene by early-life adverse experiences. Hormones and Behavior, 2011, 59, 315-320.	1.0	165
59	Epigenetic Mechanisms in Cognition. Neuron, 2011, 70, 813-829.	3.8	434
60	Cognitive neuroepigenetics: A role for epigenetic mechanisms in learning and memory. Neurobiology of Learning and Memory, 2011, 96, 2-12.	1.0	117
61	Epigenetics of Memory Processes. , 2011, , 381-390.		0
62	Annual Research Review: Epigenetic mechanisms and environmental shaping of the brain during sensitive periods of development. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2011, 52, 398-408.	3.1	209
63	Behavioral epigenetics. Annals of the New York Academy of Sciences, 2011, 1226, 14-33.	1.8	109
64	Epigenetic modification of hippocampal Bdnf DNA in adult rats in an animal model of post-traumatic stress disorder. Journal of Psychiatric Research, 2011, 45, 919-926.	1.5	281
65	Serine proteases, serine protease inhibitors, and protease-activated receptors: Roles in synaptic function and behavior. Brain Research, 2011, 1407, 107-122.	1.1	66
66	Creating Stable Memories. Science, 2011, 331, 869-870.	6.0	8
67	Lithium ameliorates altered glycogen synthase kinase-3 and behavior in a mouse model of Fragile X syndrome. Biochemical Pharmacology, 2010, 79, 632-646.	2.0	163
68	Dnmt1 and Dnmt3a maintain DNA methylation and regulate synaptic function in adult forebrain neurons. Nature Neuroscience, 2010, 13, 423-430.	7.1	892
69	Cortical DNA methylation maintains remote memory. Nature Neuroscience, 2010, 13, 664-666.	7.1	481
70	DNA methylation and memory formation. Nature Neuroscience, 2010, 13, 1319-1323.	7.1	432
71	An epigenetic hypothesis of aging-related cognitive dysfunction. Frontiers in Aging Neuroscience, 2010, 2, 9.	1.7	120
72	RGS14 is a natural suppressor of both synaptic plasticity in CA2 neurons and hippocampal-based learning and memory. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16994-16998.	3.3	172

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73	Biochemical Mechanisms for Information Storage at the Cellular Level. , 2010, , 208-235.		0
74	Molecular Genetic Mechanisms for Long-Term Information Storage at the Cellular Level. , 2010, , 236-267.		0
75	Inherited Disorders of Human Memoryâ€"Mental Retardation Syndromes. , 2010, , 268-291.		0
76	Aging-Related Memory Disordersâ€"Alzheimerâ€™s Disease. , 2010, , 292-319.		2
77	Rodent Behavioral Learning and Memory Models. , 2010, , 76-103.		4
78	Epigenetics and Cognitive Aging. Science, 2010, 328, 701-702.	6.0	46
79	Loss of Î±7 Nicotinic Receptors Enhances Î²-Amyloid Oligomer Accumulation, Exacerbating Early-Stage Cognitive Decline and Septohippocampal Pathology in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2010, 30, 2442-2453.	1.7	171
80	Deficiency in the Inhibitory Serine-Phosphorylation of Glycogen Synthase Kinase-3 Increases Sensitivity to Mood Disturbances. Neuropsychopharmacology, 2010, 35, 1761-1774.	2.8	211
81	Inhibitors of Class 1 Histone Deacetylases Reverse Contextual Memory Deficits in a Mouse Model of Alzheimer's Disease. Neuropsychopharmacology, 2010, 35, 870-880.	2.8	627
82	Epigenetic regulation of genes in learning and memory. Essays in Biochemistry, 2010, 48, 263-274.	2.1	33
83	Histone Methylation Regulates Memory Formation. Journal of Neuroscience, 2010, 30, 3589-3599.	1.7	495
84	The role of calsenilin/DREAM/KChIP3 in contextual fear conditioning. Learning and Memory, 2009, 16, 167-177.	0.5	63
85	Reduced Expression of the NMDA Receptor-Interacting Protein SynGAP Causes Behavioral Abnormalities that Model Symptoms of Schizophrenia. Neuropsychopharmacology, 2009, 34, 1659-1672.	2.8	106
86	Regulation of chromatin structure in memory formation. Current Opinion in Neurobiology, 2009, 19, 336-342.	2.0	131
87	Increased c-fos expression in the central nucleus of the amygdala and enhancement of cued fear memory in Dyt1 Î"GAG knock-in mice. Neuroscience Research, 2009, 65, 228-235.	1.0	32
88	Experience-Dependent Epigenetic Modifications in the Central Nervous System. Biological Psychiatry, 2009, 65, 191-197.	0.7	278
89	Lasting Epigenetic Influence of Early-Life Adversity on the BDNF Gene. Biological Psychiatry, 2009, 65, 760-769.	0.7	1,115
90	NADPH oxidase mediates Î²-amyloid peptide-induced activation of ERK in hippocampal organotypic cultures. Molecular Brain, 2009, 2, 31.	1.3	22

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91	Kalirin regulates cortical spine morphogenesis and disease-related behavioral phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13058-13063.	3.3	150
92	Kv4.2 is a locus for PKC and ERK/MAPK cross-talk. Biochemical Journal, 2009, 417, 705-715.	1.7	37
93	Astroglial nuclear factorâ€ÎºB regulates learning and memory and synaptic plasticity in female mice. Journal of Neurochemistry, 2008, 104, 611-623.	2.1	50
94	The A-Type Potassium Channel Kv4.2 Is a Substrate for the Mitogen-Activated Protein Kinase ERK. Journal of Neurochemistry, 2008, 75, 2277-2287.	2.1	219
95	The neuronal MAP kinase cascade: a biochemical signal integration system subserving synaptic plasticity and memory. Journal of Neurochemistry, 2008, 76, 1-10.	2.1	1,005
96	Rhythms of memory. Nature Neuroscience, 2008, 11, 993-994.	7.1	22
97	Striatal histone modifications in models of levodopaâ€induced dyskinesia. Journal of Neurochemistry, 2008, 106, 486-494.	2.1	92
98	Covalent Modification of DNA Regulates Memory Formation. Neuron, 2008, 59, 1051.	3.8	3
99	DNA methylation and histone acetylation work in concert to regulate memory formation and synaptic plasticity. Neurobiology of Learning and Memory, 2008, 89, 599-603.	1.0	380
100	Altered protein synthesis is a trigger for long-term memory formation. Neurobiology of Learning and Memory, 2008, 89, 247-259.	1.0	86
101	Epigenetic Regulation ofbdnfGene Transcription in the Consolidation of Fear Memory. Journal of Neuroscience, 2008, 28, 10576-10586.	1.7	717
102	c-Rel, an NF-ÎºB family transcription factor, is required for hippocampal long-term synaptic plasticity and memory formation. Learning and Memory, 2008, 15, 539-549.	0.5	130
103	Deletion of ERK2 Mitogen-Activated Protein Kinase Identifies Its Key Roles in Cortical Neurogenesis and Cognitive Function. Journal of Neuroscience, 2008, 28, 6983-6995.	1.7	240
104	Î±3-Integrins are required for hippocampal long-term potentiation and working memory. Learning and Memory, 2007, 14, 606-615.	0.5	48
105	The Nuclear Kinase Mitogen- and Stress-Activated Protein Kinase 1 Regulates Hippocampal Chromatin Remodeling in Memory Formation. Journal of Neuroscience, 2007, 27, 12732-12742.	1.7	211
106	Developmental Regulation of Eed Complex Composition Governs a Switch in Global Histone Modification in Brain. Journal of Biological Chemistry, 2007, 282, 9962-9972.	1.6	63
107	Covalent Modification of DNA Regulates Memory Formation. Neuron, 2007, 53, 857-869.	3.8	1,074
108	The IÎºB Kinase Regulates Chromatin Structure during Reconsolidation of Conditioned Fear Memories. Neuron, 2007, 55, 942-957.	3.8	226

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109	Learning and memory deficits in mice lacking protease activated receptor-1. Neurobiology of Learning and Memory, 2007, 88, 295-304.	1.0	47
110	An Atomic Switch for Memory. Cell, 2007, 129, 23-24.	13.5	2
111	Down memory lane. Nature, 2007, 447, 151-152.	13.7	15
112	NF-Î¹B in Neurons. , 2006, , 147-161.		1
113	Regulation of Nuclear Factor ÂB in the Hippocampus by Group I Metabotropic Glutamate Receptors. Journal of Neuroscience, 2006, 26, 4870-4879.	1.7	98
114	Signal transduction mechanisms in memory disorders. Progress in Brain Research, 2006, 157, 25-384.	0.9	13
115	ERK/MAPK regulates hippocampal histone phosphorylation following contextual fear conditioning. Learning and Memory, 2006, 13, 322-328.	0.5	301
116	Learning and Memory and Synaptic Plasticity Are Impaired in a Mouse Model of Rett Syndrome. Journal of Neuroscience, 2006, 26, 319-327.	1.7	493
117	Secretin receptor-deficient mice exhibit impaired synaptic plasticity and social behavior. Human Molecular Genetics, 2006, 15, 3241-3250.	1.4	53
118	Evidence That DNA (Cytosine-5) Methyltransferase Regulates Synaptic Plasticity in the Hippocampus. Journal of Biological Chemistry, 2006, 281, 15763-15773.	1.6	549
119	Kinase Suppressor of Ras1 Compartmentalizes Hippocampal Signal Transduction and Subserves Synaptic Plasticity and Memory Formation. Neuron, 2006, 50, 765-779.	3.8	83
120	ERK/MAPK regulates the Kv4.2 potassium channel by direct phosphorylation of the pore-forming subunit. American Journal of Physiology - Cell Physiology, 2006, 290, C852-C861.	2.1	162
121	Functional Dissection of Reelin Signaling by Site-Directed Disruption of Disabled-1 Adaptor Binding to Apolipoprotein E Receptor 2: Distinct Roles in Development and Synaptic Plasticity. Journal of Neuroscience, 2006, 26, 2041-2052.	1.7	105
122	Â1-Integrins Are Required for Hippocampal AMPA Receptor-Dependent Synaptic Transmission, Synaptic Plasticity, and Working Memory. Journal of Neuroscience, 2006, 26, 223-232.	1.7	150
123	Deletion of Kv4.2 Gene Eliminates Dendritic A-Type K+ Current and Enhances Induction of Long-Term Potentiation in Hippocampal CA1 Pyramidal Neurons. Journal of Neuroscience, 2006, 26, 12143-12151.	1.7	291
124	Amnesia or retrieval deficit? Implications of a molecular approach to the question of reconsolidation. Learning and Memory, 2006, 13, 498-505.	0.5	49
125	Epigenetic mechanisms in memory formation. Nature Reviews Neuroscience, 2005, 6, 108-118.	4.9	680
126	Craving cocaine pERKs up the amygdala. Nature Neuroscience, 2005, 8, 129-130.	7.1	5

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127	Modulation of Synaptic Plasticity and Memory by Reelin Involves Differential Splicing of the Lipoprotein Receptor Apoer2. Neuron, 2005, 47, 567-579.	3.8	429
128	Normal Development and Fertility of Knockout Mice Lacking the Tumor Suppressor Gene LRP1b Suggest Functional Compensation by LRP1. Molecular and Cellular Biology, 2004, 24, 3782-3793.	1.1	67
129	Generation and Characterization of LANP/pp32 Null Mice. Molecular and Cellular Biology, 2004, 24, 3140-3149.	1.1	38
130	Mouse Genetic Approaches to Investigating Calcium/Calmodulin-Dependent Protein Kinase II Function in Plasticity and Cognition. Journal of Neuroscience, 2004, 24, 8410-8415.	1.7	133
131	Reelin and Cyclin-Dependent Kinase 5-Dependent Signals Cooperate in Regulating Neuronal Migration and Synaptic Transmission. Journal of Neuroscience, 2004, 24, 1897-1906.	1.7	107
132	Calcium-Calmodulin-Dependent Kinase II Modulates Kv4.2 Channel Expression and Upregulates Neuronal A-Type Potassium Currents. Journal of Neuroscience, 2004, 24, 3643-3654.	1.7	148
133	A Bioinformatics Analysis of Memory Consolidation Reveals Involvement of the Transcription Factor c-Rel. Journal of Neuroscience, 2004, 24, 3933-3943.	1.7	157
134	Structure and Function of Kv4-Family Transient Potassium Channels. Physiological Reviews, 2004, 84, 803-833.	13.1	307
135	Mild overexpression of MeCP2 causes a progressive neurological disorder in mice. Human Molecular Genetics, 2004, 13, 2679-2689.	1.4	540
136	Receptor Clustering Is Involved in Reelin Signaling. Molecular and Cellular Biology, 2004, 24, 1378-1386.	1.1	179
137	Neuronal LRP1 Functionally Associates with Postsynaptic Proteins and Is Required for Normal Motor Function in Mice. Molecular and Cellular Biology, 2004, 24, 8872-8883.	1.1	197
138	MAPK recruitment by beta-amyloid in organotypic hippocampal slice cultures depends on physical state and exposure time. Journal of Neurochemistry, 2004, 91, 349-361.	2.1	105
139	Mitogen-activated protein kinases in synaptic plasticity and memory. Current Opinion in Neurobiology, 2004, 14, 311-317.	2.0	889
140	Hippocampal function in cognition. Psychopharmacology, 2004, 174, 99-110.	1.5	156
141	Neuronal MEK is important for normal fear conditioning in mice. Journal of Neuroscience Research, 2004, 75, 760-770.	1.3	48
142	Regulation of Histone Acetylation during Memory Formation in the Hippocampus. Journal of Biological Chemistry, 2004, 279, 40545-40559.	1.6	982
143	Postsynaptic contributions to hippocampal network hyperexcitability induced by chronic activity blockade in vivo. European Journal of Neuroscience, 2003, 18, 1861-1872.	1.2	36
144	Genetics of Childhood Disorders: LI. Learning and Memory, Part 4: Human Cognitive Disorders and the ras/ERK/CREB Pathway. Journal of the American Academy of Child and Adolescent Psychiatry, 2003, 42, 741-744.	0.3	10

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145	Genetics of Childhood Disorders: LII. Learning and Memory, Part 5: Human Cognitive Disorders and the ras/ERK/CREB Pathway. Journal of the American Academy of Child and Adolescent Psychiatry, 2003, 42, 873-876.	0.3	18
146	Mice lacking tropomodulin-2 show enhanced long-term potentiation, hyperactivity, and deficits in learning and memory. Molecular and Cellular Neurosciences, 2003, 23, 1-12.	1.0	71
147	Pet-1 ETS Gene Plays a Critical Role in 5-HT Neuron Development and Is Required for Normal Anxiety-like and Aggressive Behavior. Neuron, 2003, 37, 233-247.	3.8	428
148	SCA7 Knockin Mice Model Human SCA7 and Reveal Gradual Accumulation of Mutant Ataxin-7 in Neurons and Abnormalities in Short-Term Plasticity. Neuron, 2003, 37, 383-401.	3.8	201
149	Rap1 Couples cAMP Signaling to a Distinct Pool of p42/44MAPK Regulating Excitability, Synaptic Plasticity, Learning, and Memory. Neuron, 2003, 39, 309-325.	3.8	217
150	A Fundamental Role for KChIPs in Determining the Molecular Properties and Trafficking of Kv4.2 Potassium Channels. Journal of Biological Chemistry, 2003, 278, 36445-36454.	1.6	229
151	Mitochondrial Regulation of Synaptic Plasticity in the Hippocampus. Journal of Biological Chemistry, 2003, 278, 17727-17734.	1.6	163
152	A Role for ERK MAP Kinase in Physiologic Temporal Integration in Hippocampal Area CA1. Learning and Memory, 2003, 10, 26-39.	0.5	139
153	Inherited Disorders of Human Memory. , 2003, , 307-336.		0
154	Integrin Requirement for Hippocampal Synaptic Plasticity and Spatial Memory. Journal of Neuroscience, 2003, 23, 7107-7116.	1.7	175
155	Rodent Behavioral Learning and Memory Models. , 2003, , 29-60.		0
156	Derangements of Hippocampal Calcium/Calmodulin-Dependent Protein Kinase II in a Mouse Model for Angelman Mental Retardation Syndrome. Journal of Neuroscience, 2003, 23, 2634-2644.	1.7	240
157	LTP Does Not Equal Memory. , 2003, , 263-306.		1
158	Aging-Related Memory Disorders. , 2003, , 337-366.		2
159	The Biochemistry of LTP Induction. , 2003, , 147-188.		1
160	The Chemistry of Perpetual Memory. , 2003, , 367-390.		1
161	Biochemical Mechanisms for Short-Term Information Storage at the Cellular Level. , 2003, , 189-232.		0
162	Biochemical Mechanisms for Long-Term Information Storage at the Cellular Level. , 2003, , 233-262.		0

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163	Complexities of Long-Term Potentiation. , 2003, , 117-146.		0
164	Î²-Amyloid Peptide Activates Î±7 Nicotinic Acetylcholine Receptors Expressed in Xenopus Oocytes. Journal of Biological Chemistry, 2002, 277, 25056-25061.	1.6	201
165	Accelerated Plaque Accumulation, Associative Learning Deficits, and Up-regulation of Î±7 Nicotinic Receptor Protein in Transgenic Mice Co-expressing Mutant Human Presenilin 1 and Amyloid Precursor Proteins. Journal of Biological Chemistry, 2002, 277, 22768-22780.	1.6	184
166	The Role of Mitochondrial Porins and the Permeability Transition Pore in Learning and Synaptic Plasticity. Journal of Biological Chemistry, 2002, 277, 18891-18897.	1.6	154
167	MOLECULARPSYCHOLOGY: Roles for the ERK MAP Kinase Cascade in Memory. Annual Review of Pharmacology and Toxicology, 2002, 42, 135-163.	4.2	558
168	Noninvasive, in vivo approaches to evaluating behavior and exercise physiology in mouse models of mitochondrial disease. Methods, 2002, 26, 364-370.	1.9	10
169	Molecular Neurobiology of Human Cognition. Neuron, 2002, 33, 845-848.	3.8	137
170	A Long CAG Repeat in the Mouse Sca1 Locus Replicates SCA1 Features and Reveals the Impact of Protein Solubility on Selective Neurodegeneration. Neuron, 2002, 34, 905-919.	3.8	320
171	Reelin and ApoE Receptors Cooperate to Enhance Hippocampal Synaptic Plasticity and Learning. Journal of Biological Chemistry, 2002, 277, 39944-39952.	1.6	548
172	Impaired Conditioned Fear and Enhanced Long-Term Potentiation inFmr2 Knock-Out Mice. Journal of Neuroscience, 2002, 22, 2753-2763.	1.7	105
173	Protein Kinase Modulation of Dendritic K⁺ Channels in Hippocampus Involves a Mitogen-Activated Protein Kinase Pathway. Journal of Neuroscience, 2002, 22, 4860-4868.	1.7	288
174	Increased Phosphorylation of Myelin Basic Protein During Hippocampal Long-Term Potentiation. Journal of Neurochemistry, 2002, 68, 1960-1967.	2.1	23
175	Long-term potentiation and contextual fear conditioning increase neuronal glutamate uptake. Nature Neuroscience, 2002, 5, 155-161.	7.1	136
176	Review: Protein Kinase Signal Transduction Cascades in Mammalian Associative Conditioning. Neuroscientist, 2002, 8, 122-131.	2.6	77
177	The Other Half of Hebb. Molecular Neurobiology, 2002, 25, 051-066.	1.9	28
178	Molecular Genetics of Human Cognition. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2002, 2, 376-391.	3.4	39
179	Glutamate Uptake in Synaptic Plasticity: From Mollusc to Mammal. Current Molecular Medicine, 2002, 2, 593-603.	0.6	13
180	Increased Histone Acetyltransferase and Lysine Acetyltransferase Activity and Biphasic Activation of the ERK/RSK Cascade in Insular Cortex During Novel Taste Learning. Journal of Neuroscience, 2001, 21, 3383-3391.	1.7	186

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181	Î²-Amyloid Activates the Mitogen-Activated Protein Kinase Cascade via Hippocampal Î±7 Nicotinic Acetylcholine Receptors:In VitroandIn VivoMechanisms Related to Alzheimer's Disease. Journal of Neuroscience, 2001, 21, 4125-4133.	1.7	524
182	Leitmotifs in the biochemistry of LTP induction: amplification, integration and coordination. Journal of Neurochemistry, 2001, 77, 961-971.	2.1	48
183	Regulation of Myelin Basic Protein Phosphorylation by Mitogen-Activated Protein Kinase During Increased Action Potential Firing in the Hippocampus. Journal of Neurochemistry, 2001, 73, 1090-1097.	2.1	39
184	Roles of serine/threonine phosphatases in hippocampel synaptic plasticity. Nature Reviews Neuroscience, 2001, 2, 461-474.	4.9	309
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