RESEARCH & PUBLICATIONS

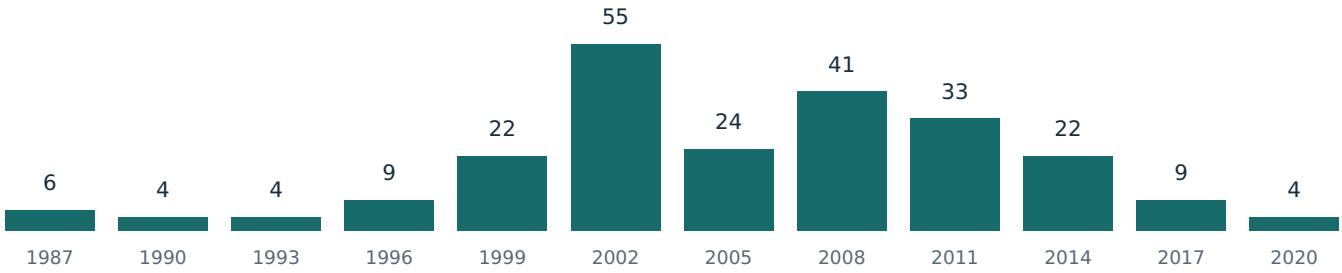
David Sweatt

A publication record at a glance

233	38,701	104
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 3-year periods



MOST CITED IN THIS LIST

Lasting Epigenetic Influence of Early-Life Adversity on the BDNF Gene — 1,174
2009 Biological Psychiatry

Covalent Modification of DNA Regulates Memory Formation — 1,141
2007 Neuron

Regulation of Histone Acetylation During Memory Formation in the Hippocampus — 1,098
2004 Journal of Biological Chemistry

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Ordered by publication year, newest first

2021

01 **Tet1 Isoforms Differentially Regulate Gene Expression, Synaptic Transmission, and Memory in the Mammalian Brain**
40 citations
Journal of Neuroscience · 41, 578-593
https://exaly.com/article/77870501

2020

02 **Synthetic Female Gonadal Hormones Alter Neurodevelopmental Programming and Behavior in F1 Offspring**
3 citations
Hormones and Behavior · 126, 104848
https://exaly.com/article/76557834

03 **An Antisense Oligonucleotide Leads to Suppressed Transcription of Hdac2 and Long-Term Memory Enhancement**
20 citations
Molecular Therapy - Nucleic Acids · 19, 1399-1412
https://exaly.com/article/77021432

04 **A Myelin-Related Transcriptomic Profile Is Shared by Pitt–Hopkins Syndrome Models and Human Autism Spectrum Disorder**
129 citations
Nature Neuroscience · 23, 375-385
https://exaly.com/article/84851123

2019

05 **The Epigenetic Basis of Individuality**
16 citations
Current Opinion in Behavioral Sciences · 25, 51-56
https://exaly.com/article/71859805

06 **Broad Domains of Histone 3 Lysine 4 Trimethylation Are Associated With Transcriptional Activation in CA1 Neurons of the Hippocampus During Memory Formation**
37 citations
Neurobiology of Learning and Memory · 161, 149-157
https://exaly.com/article/73349562

07 **Cognition-Enhancing Vagus Nerve Stimulation Alters the Epigenetic Landscape**
54 citations
Journal of Neuroscience · 39, 3454-3469
https://exaly.com/article/73735439

08 **Histone H3 Lysine K4 Methylation and Its Role in Learning and Memory**
166 citations
Epigenetics and Chromatin · 12, 1-16
https://exaly.com/article/74633802

09 **Locus-Specific DNA Methylation Assays to Study Glutamate Receptor Regulation**
1 citations
Methods in Molecular Biology · 1941, 167-188
https://exaly.com/article/115151457

Ordered by publication year, newest first

2018

10 **APOE Genotype Modifies the Association Between Central Arterial Stiffening and Cognition in Older Adults** — 24 citations
Neurobiology of Aging · 67, 120-127
https://exaly.com/article/68894506

2017

11 **Experience-Dependent Epigenomic Reorganization in the Hippocampus** — 56 citations
Learning and Memory · 24, 278-288
https://exaly.com/article/66364663

12 **Layered-Up Regulation in the Developing Brain** — 8 citations
Nature · 551, 448-449
https://exaly.com/article/68364392

13 **Epigenetics of Memory Processes** — 1 citations
Journal unavailable
https://exaly.com/article/68406125

2016

14 **Extra-Coding RNAs Regulate Neuronal DNA Methylation Dynamics** — 48 citations
Nature Communications · 7, 1-14
https://exaly.com/article/63558748

15 **Dynamic DNA Methylation Controls Glutamate Receptor Trafficking and Synaptic Scaling** — 51 citations
Journal of Neurochemistry · 137, 312-330
https://exaly.com/article/64431941

16 **Neural Plasticity and Behavior – Sixty Years of Conceptual Advances** — 473 citations
Journal of Neurochemistry · 139, 179-199
https://exaly.com/article/64431946

17 **Tcf4 Regulates Synaptic Plasticity, DNA Methylation, and Memory Function** — 130 citations
Cell Reports · 16, 2666-2685
https://exaly.com/article/64466543

18 **Chromatin Controls Behavior** — 3 citations
Science · 353, 218-9
https://exaly.com/article/64651060

19 **The Molecular Neurobiology of the Sleep-Deprived, Fuzzy Brain** — 5 citations
Science Signaling · 9, fs7
https://exaly.com/article/64725070

Ordered by publication year, newest first

2016 / continued

20 **Dynamic DNA Methylation Regulates Neuronal Intrinsic Membrane Excitability** — 52 citations
Science Signaling · 9, ra83
https://exaly.com/article/64737266

21 **Obesity Weighs Down Memory Through a Mechanism Involving the Neuroepigenetic Dysregulation of Sirt1** — 82 citations
Journal of Neuroscience · 36, 1324-1335
https://exaly.com/article/65337541

22 **Drugging the Methylome: DNA Methylation and Memory** — 19 citations
Critical Reviews in Biochemistry and Molecular Biology · 51, 185-94
https://exaly.com/article/65587777

23 **An Epigenomics Approach to Individual Differences and Its Translation to Neuropsychiatric Conditions** — 14 citations
Dialogues in Clinical Neuroscience · 18, 289-298
https://exaly.com/article/88870941

2015

24 **Pitt–Hopkins Mouse Model Has Altered Particular Gastrointestinal Transits in Vivo** — 39 citations
Autism Research · 8, 629-633
https://exaly.com/article/60750582

25 **Tet1 Oxidase Regulates Neuronal Gene Transcription, Active DNA Hydroxymethylation, Object Location Memory, and Threat Recognition Memory** — 47 citations
Neuroepigenetics · 4, 12-27
https://exaly.com/article/61413094

26 **Memory-Associated Dynamic Regulation of the “Stable” Core of the Chromatin Particle** — 36 citations
Neuron · 87, 1-4
https://exaly.com/article/62026098

27 **DNA Methylation Regulates Neuronal Glutamatergic Synaptic Scaling** — 100 citations
Science Signaling · 8, ra61
https://exaly.com/article/62082945

28 **DNA Methylation Regulates Neurophysiological Spatial Representation in Memory Formation** — 35 citations
Neuroepigenetics · 2, 1-8
https://exaly.com/article/62316960

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2015 / continued

29 **Pharmacological Selectivity Within Class I Histone Deacetylases Predicts Effects on Synaptic Function and Memory Rescue** 83 citations
Neuropsychopharmacology · 40, 2307-2316
https://exaly.com/article/62370371

30 **DNA Methylation in Memory Formation** 71 citations
Neuroscientist · 21, 475-89
https://exaly.com/article/62379235

31 **DNA Methylation and Its Implications and Accessibility for Neuropsychiatric Therapeutics** 72 citations
Annual Review of Pharmacology and Toxicology · 55, 591-611
https://exaly.com/article/62812057

32 **Behavioral and Electrophysiological Characterization of Dyt1 Heterozygous Knockout Mice** 22 citations
PLoS ONE · 10, e0120916
https://exaly.com/article/87017567

2014

33 **Aging and Energetics' 'Top 40' Future Research Opportunities 2010-2013** 20 citations
F1000Research · 3, 219
https://exaly.com/article/57963709

34 **Transcriptional and Epigenetic Regulation of Hebbian and Non-Hebbian Plasticity** 67 citations
Neuropharmacology · 80, 3-17
https://exaly.com/article/58895504

35 **Histone H2A.Z Subunit Exchange Controls Consolidation of Recent and Remote Memory** 172 citations
Nature · 515, 582-586
https://exaly.com/article/59408705

2013

36 **DNA Methylation Regulates Associative Reward Learning** 202 citations
Nature Neuroscience · 16, 1445-1452
https://exaly.com/article/54869974

37 **The Emerging Field of Neuroepigenetics** 301 citations
Neuron · 80, 624-632
https://exaly.com/article/55143872

Ordered by publication year, newest first

2013 / continued

38 **TET1 Controls CNS 5-Methylcytosine Hydroxylation, Active DNA Demethylation, Gene Transcription, and Memory Formation** 392 citations
Neuron · 79, 1086-1093
https://exaly.com/article/55261239

39 **Epigenetic Regulation of Memory Formation and Maintenance** 341 citations
Learning and Memory · 20, 61-74
https://exaly.com/article/55425763

40 **Disruption of Neocortical Histone H3 Homeostasis by Soluble Aβ: Implications for Alzheimer's Disease** 66 citations
Neurobiology of Aging · 34, 2081-2090
https://exaly.com/article/55750536

41 **Protease-Activated Receptor-1 Modulates Hippocampal Memory Formation and Synaptic Plasticity.** 53 citations
Journal of Neurochemistry · 124, 109-22
https://exaly.com/article/55789411

42 **Epigenetic Mechanisms in Learned Fear: Implications for PTSD** 176 citations
Neuropsychopharmacology · 38, 77-93
https://exaly.com/article/55845006

43 **Cellular, Molecular, and Epigenetic Mechanisms in Non-Associative Conditioning: Implications for Pain and Memory** 101 citations
Neurobiology of Learning and Memory · 105, 133-150
https://exaly.com/article/55927440

44 **Pitt–Hopkins Syndrome: Intellectual Disability Due to Loss of TCF4-Regulated Gene Transcription** 103 citations
Experimental and Molecular Medicine · 45, e21-e21
https://exaly.com/article/56168919

45 **Epigenetic Mechanisms in Learning and Memory** 0 citations
Journal unavailable
https://exaly.com/article/56798460

46 **An Overview of the Molecular Basis of Epigenetics** 23 citations
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https://exaly.com/article/56798483

47 **Epigenetics: Defining the Frontiers of Genomic Function** 3 citations
Journal unavailable
https://exaly.com/article/57108943

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2013 / continued

48 **Interindividual Variability in Stress Susceptibility: A Role for Epigenetic Mechanisms in PTSD** — 55 citations
Frontiers in Psychiatry · 4, 54969
https://exaly.com/article/57217601

49 **The Role of the Gadd45 Family in the Nervous System: A Focus on Neurodevelopment, Neuronal Injury, and Cognitive Neuroepigenetics** — 54 citations
Advances in Experimental Medicine and Biology · 793, 81-119
https://exaly.com/article/83387130

50 **Pre-Synaptic Release Deficits in a DYT1 Dystonia Mouse Model** — 16 citations
PLoS ONE · 8, e72491
https://exaly.com/article/86997370

51 **Preface** — 0 citations
Journal unavailable
https://exaly.com/article/100584533

2012

52 **Genetic Deletion of gadd45b, a Regulator of Active DNA Demethylation, Enhances Long-Term Memory and Synaptic Plasticity** — 121 citations
Journal of Neuroscience · 32, 17059-17066
https://exaly.com/article/52405608

53 **DNA Methylation in Memory Formation** — 2 citations
Research and Perspectives in Neurosciences
https://exaly.com/article/53144666

54 **Adult Mice Maintained on a High-Fat Diet Exhibit Object Location Memory Deficits and Reduced Hippocampal SIRT1 Gene Expression** — 165 citations
Neurobiology of Learning and Memory · 98, 25-32
https://exaly.com/article/53535351

55 **Enhanced Hippocampal Long-Term Potentiation and Fear Memory in Btbd9 Mutant Mice** — 39 citations
PLoS ONE · 7, e35518
https://exaly.com/article/54050579

56 **Mechanisms of Age-Related Cognitive Change and Targets for Intervention: Epigenetics.** — 61 citations
Journals of Gerontology - Series A Biological Sciences and Medical Sciences · 67, 741-6
https://exaly.com/article/54323371

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2012 / continued

57 **Epigenetic Treatments for Cognitive Impairments** — 111 citations
Neuropsychopharmacology · 37, 247-260
https://exaly.com/article/54470922

2011

58 **Epigenetic Modifications in Neurons Are Essential for Formation and Storage of Behavioral Memory** — 37 citations
Neuropsychopharmacology · 36, 357-358
https://exaly.com/article/49913840

59 **Hippocampal Phenotypes in Kalirin-Deficient Mice** — 35 citations
Molecular and Cellular Neurosciences · 46, 45-54
https://exaly.com/article/50326477

60 **Epigenetic Marking of the BDNF Gene by Early-Life Adverse Experiences** — 184 citations
Hormones and Behavior · 59, 315-320
https://exaly.com/article/50344596

61 **Epigenetic Mechanisms in Cognition** — 497 citations
Neuron · 70, 813-829
https://exaly.com/article/50356632

62 **Cognitive Neuroepigenetics: A Role for Epigenetic Mechanisms in Learning and Memory** — 126 citations
Neurobiology of Learning and Memory · 96, 2-12
https://exaly.com/article/50358232

63 **Epigenetics of Memory Processes** — 0 citations
Journal unavailable
https://exaly.com/article/50571732

64 **Annual Research Review: Epigenetic Mechanisms and Environmental Shaping of the Brain During Sensitive Periods of Development** — 220 citations
Journal of Child Psychology and Psychiatry and Allied Disciplines · 52, 398-408
https://exaly.com/article/51001132

65 **Behavioral Epigenetics** — 119 citations
Annals of the New York Academy of Sciences · 1226, 14-33
https://exaly.com/article/51039690

66 **Epigenetic Modification of Hippocampal Bdnf DNA in Adult Rats in an Animal Model of Post-Traumatic Stress Disorder** — 302 citations
Journal of Psychiatric Research · 45, 919-926
https://exaly.com/article/51076567

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2011 / continued

67 **Serine Proteases, Serine Protease Inhibitors, and Protease-Activated Receptors: Roles in Synaptic Function and Behavior** — 80 citations

Brain Research · 1407, 107-122

https://exaly.com/article/51188872

68 **Creating Stable Memories** — 14 citations

Science · 331, 869-70

https://exaly.com/article/51246041

2010

69 **Lithium Ameliorates Altered Glycogen Synthase Kinase-3 and Behavior in a Mouse Model of Fragile X Syndrome** — 180 citations

Biochemical Pharmacology · 79, 632-646

https://exaly.com/article/48064722

70 **Dnmt1 And Dnmt3a Maintain DNA Methylation and Regulate Synaptic Function in Adult Forebrain Neurons** — 951 citations

Nature Neuroscience · 13, 423-430

https://exaly.com/article/48515925

71 **Cortical DNA Methylation Maintains Remote Memory** — 509 citations

Nature Neuroscience · 13, 664-666

https://exaly.com/article/48515961

72 **DNA Methylation and Memory Formation** — 470 citations

Nature Neuroscience · 13, 1319-1323

https://exaly.com/article/48516046

73 **An Epigenetic Hypothesis of Aging-Related Cognitive Dysfunction** — 122 citations

Frontiers in Aging Neuroscience · 2, 1215

https://exaly.com/article/48650232

74 **RGS14 Is a Natural Suppressor of Both Synaptic Plasticity in CA2 Neurons and Hippocampal-Based Learning and Memory** — 191 citations

Proceedings of the National Academy of Sciences of the United States of America · 107, 16994-16998

https://exaly.com/article/48791359

75 **Long-Term Potentiation—A Candidate Cellular Mechanism for Information Storage in the Central Nervous System** — 7 citations

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https://exaly.com/article/48859771

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76 The NMDA Receptor — 1 citations
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https://exaly.com/article/48859780

77 Biochemical Mechanisms for Information Storage at the Cellular Level — 0 citations
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https://exaly.com/article/48859794

78 Molecular Genetic Mechanisms for Long-Term Information Storage at the Cellular Level — 0 citations
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https://exaly.com/article/48859797

79 Inherited Disorders of Human Memory—Mental Retardation Syndromes — 0 citations
Journal unavailable
https://exaly.com/article/48859820

80 Aging-Related Memory Disorders—Alzheimer's Disease — 2 citations
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https://exaly.com/article/48859825

81 Studies of Human Learning and Memory — 1 citations
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https://exaly.com/article/48865709

82 Non-Associative Learning and Memory — 1 citations
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https://exaly.com/article/48865718

83 Hippocampal Function in Cognition — 1 citations
Journal unavailable
https://exaly.com/article/48865766

84 Rodent Behavioral Learning and Memory Models — 7 citations
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https://exaly.com/article/48870476

85 Associative Learning and Unlearning — 1 citations
Journal unavailable
https://exaly.com/article/48870477

86 Introduction: The Basics of Psychological Learning and Memory Theory — 1 citations
Journal unavailable
https://exaly.com/article/48876137

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87 Epigenetics and Cognitive Aging — 55 citations
Science · 328, 701-2
https://exaly.com/article/49015071

88 Loss of α7 Nicotinic Receptors Enhances β-Amyloid Oligomer Accumulation, Exacerbating Early-Stage Cognitive Decline and Septohippocampal Pathology in a Mouse Model of Alzheimer's Disease — 190 citations
Journal of Neuroscience · 30, 2442-2453
https://exaly.com/article/49061308

89 Deficiency in the Inhibitory Serine-Phosphorylation of Glycogen Synthase Kinase-3 Increases Sensitivity to Mood Disturbances — 225 citations
Neuropsychopharmacology · 35, 1761-1774
https://exaly.com/article/49234440

90 Inhibitors of Class 1 Histone Deacetylases Reverse Contextual Memory Deficits in a Mouse Model of Alzheimer's Disease — 721 citations
Neuropsychopharmacology · 35, 870-880
https://exaly.com/article/49326947

91 Epigenetic Regulation of Genes in Learning and Memory — 35 citations
Essays in Biochemistry · 48, 263-274
https://exaly.com/article/49651608

92 Histone Methylation Regulates Memory Formation — 535 citations
Journal of Neuroscience · 30, 3589-3599
https://exaly.com/article/49714801

2009

93 The Role of Calsenilin/DREAM/KChIP3 in Contextual Fear Conditioning — 57 citations
Learning and Memory · 16, 167-177
https://exaly.com/article/45463220

94 Reduced Expression of the NMDA Receptor-Interacting Protein SynGAP Causes Behavioral Abnormalities That Model Symptoms of Schizophrenia — 107 citations
Neuropsychopharmacology · 34, 1659-1672
https://exaly.com/article/45718161

95 Regulation of Chromatin Structure in Memory Formation — 134 citations
Current Opinion in Neurobiology · 19, 336-342
https://exaly.com/article/45992561

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2009 / continued

96 **Increased c-Fos Expression in the Central Nucleus of the Amygdala and Enhancement of Cued Fear Memory in Dyt1 ΔGAG Knock-In Mice** 34 citations

Neuroscience Research · 65, 228-235

https://exaly.com/article/46761038

97 **Experience-Dependent Epigenetic Modifications in the Central Nervous System** 287 citations

Biological Psychiatry · 65, 191-197

https://exaly.com/article/46798466

98 **Lasting Epigenetic Influence of Early-Life Adversity on the BDNF Gene** 1,174 citations

Biological Psychiatry · 65, 760-769

https://exaly.com/article/46798561

99 **NADPH Oxidase Mediates β-Amyloid Peptide-Induced Activation of ERK in Hippocampal Organotypic Cultures** 21 citations

Molecular Brain · 2, 1-10

https://exaly.com/article/46857055

100 **Kalirin Regulates Cortical Spine Morphogenesis and Disease-Related Behavioral Phenotypes** 156 citations

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https://exaly.com/article/47071569

101 **Kv4.2 Is a Locus for PKC and ERK/MAPK Cross-Talk** 39 citations

Biochemical Journal · 417, 705-715

https://exaly.com/article/47268964

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102 **Astroglial Nuclear Factor-kappaB Regulates Learning and Memory and Synaptic Plasticity in Female Mice.** 55 citations

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https://exaly.com/article/42888554

103 **Rhythms of Memory** 27 citations

Nature Neuroscience · 11, 993-994

https://exaly.com/article/43661724

104 **Striatal Histone Modifications in Models of Levodopa-Induced Dyskinesia.** 101 citations

Journal of Neurochemistry · 106, 486-94

https://exaly.com/article/43686680

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2008 / continued

105 DNA Methylation and Histone Acetylation Work in Concert to Regulate Memory Formation and Synaptic Plasticity
404 citations
Neurobiology of Learning and Memory · 89, 599-603
https://exaly.com/article/44014228

106 Altered Protein Synthesis Is a Trigger for Long-Term Memory Formation
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Neurobiology of Learning and Memory · 89, 247-259
https://exaly.com/article/44014238

107 Epigenetic Regulation of Bdnf Gene Transcription in the Consolidation of Fear Memory
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Journal of Neuroscience · 28, 10576-10586
https://exaly.com/article/44158936

108 C-Rel, an NF-κB Family Transcription Factor, Is Required for Hippocampal Long-Term Synaptic Plasticity and Memory Formation
141 citations
Learning and Memory · 15, 539-549
https://exaly.com/article/44250511

109 Deletion of ERK2 Mitogen-Activated Protein Kinase Identifies Its Key Roles in Cortical Neurogenesis and Cognitive Function
257 citations
Journal of Neuroscience · 28, 6983-6995
https://exaly.com/article/44548533

2007

110 α3-Integrins Are Required for Hippocampal Long-Term Potentiation and Working Memory
53 citations
Learning and Memory · 14, 606-615
https://exaly.com/article/41414299

111 The Nuclear Kinase Mitogen- and Stress-Activated Protein Kinase 1 Regulates Hippocampal Chromatin Remodeling in Memory Formation
232 citations
Journal of Neuroscience · 27, 12732-12742
https://exaly.com/article/41685181

112 Developmental Regulation of Eed Complex Composition Governs a Switch in Global Histone Modification in Brain
65 citations
Journal of Biological Chemistry · 282, 9962-9972
https://exaly.com/article/41732151

113 Covalent Modification of DNA Regulates Memory Formation
1,141 citations
Neuron · 53, 857-869
https://exaly.com/article/41988291

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2007 / continued

114 **The IκB Kinase Regulates Chromatin Structure During Reconsolidation of Conditioned Fear Memories** — 229 citations
Neuron · 55, 942-957
https://exaly.com/article/41988472

115 **Learning and Memory Deficits in Mice Lacking Protease Activated Receptor-1** — 49 citations
Neurobiology of Learning and Memory · 88, 295-304
https://exaly.com/article/41989951

116 **Down Memory Lane** — 37 citations
Nature · 447, 151-152
https://exaly.com/article/42821575

117 **Retrieval** — 0 citations
Journal unavailable
https://exaly.com/article/136776737

2006

118 **NF-κB in Neurons** — 2 citations
Journal unavailable
https://exaly.com/article/39586642

119 **Regulation of Nuclear Factor κB in the Hippocampus by Group I Metabotropic Glutamate Receptors** — 106 citations
Journal of Neuroscience · 26, 4870-4879
https://exaly.com/article/39591648

120 **Signal Transduction Mechanisms in Memory Disorders** — 12 citations
Progress in Brain Research · 157, 25-384
https://exaly.com/article/39669308

121 **ERK/MAPK Regulates Hippocampal Histone Phosphorylation Following Contextual Fear Conditioning** — 322 citations
Learning and Memory · 13, 322-328
https://exaly.com/article/39669310

122 **Learning and Memory and Synaptic Plasticity Are Impaired in a Mouse Model of Rett Syndrome** — 511 citations
Journal of Neuroscience · 26, 319-327
https://exaly.com/article/39751196

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2006 / continued

123 **Secretin Receptor-Deficient Mice Exhibit Impaired Synaptic Plasticity and Social Behavior.** 56 citations
Human Molecular Genetics · 15, 3241-50
https://exaly.com/article/39808155

124 **Evidence That DNA (Cytosine-5) Methyltransferase Regulates Synaptic Plasticity in the Hippocampus** 574 citations
Journal of Biological Chemistry · 281, 15763-15773
https://exaly.com/article/39831380

125 **Kinase Suppressor of Ras1 Compartmentalizes Hippocampal Signal Transduction and Subserves Synaptic Plasticity and Memory Formation** 86 citations
Neuron · 50, 765-779
https://exaly.com/article/39935069

126 **ERK/MAPK Regulates the Kv4.2 Potassium Channel by Direct Phosphorylation of the Pore-Forming Subunit** 164 citations
American Journal of Physiology - Cell Physiology · 290, C852-61
https://exaly.com/article/41001601

127 **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** 120 citations
Journal of Neuroscience · 26, 2041-2052
https://exaly.com/article/41086833

128 **β1-Integrins Are Required for Hippocampal AMPA Receptor-Dependent Synaptic Transmission, Synaptic Plasticity, and Working Memory** 152 citations
Journal of Neuroscience · 26, 223-232
https://exaly.com/article/41094589

129 **Deletion of Kv4.2 Gene Eliminates Dendritic A-Type K+ Current and Enhances Induction of Long-Term Potentiation in Hippocampal CA1 Pyramidal Neurons** 288 citations
Journal of Neuroscience · 26, 12143-12151
https://exaly.com/article/41262378

130 **Amnesia or Retrieval Deficit? Implications of a Molecular Approach to the Question of Reconsolidation** 48 citations
Learning and Memory · 13, 498-505
https://exaly.com/article/41264672

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2005

131 **Epigenetic Mechanisms in Memory Formation** 728 citations
Nature Reviews Neuroscience · 6, 108-118
https://exaly.com/article/38209084

132 **Craving Cocaine pERKs Up the Amygdala** 4 citations
Nature Neuroscience · 8, 129-130
https://exaly.com/article/38213514

133 **Modulation of Synaptic Plasticity and Memory by Reelin Involves Differential Splicing of the Lipoprotein Receptor Apoer2** 447 citations
Neuron · 47, 567-579
https://exaly.com/article/39392230

2004

134 **Normal Development and Fertility of Knockout Mice Lacking the Tumor Suppressor Gene LRP1b Suggest Functional Compensation by LRP1** 60 citations
Molecular and Cellular Biology · 24, 3782-93
https://exaly.com/article/36515149

135 **Generation and Characterization of LANP/pp32 Null Mice** 38 citations
Molecular and Cellular Biology · 24, 3140-9
https://exaly.com/article/36521167

136 **Mouse Genetic Approaches to Investigating Calcium/Calmodulin-Dependent Protein Kinase II Function in Plasticity and Cognition** 142 citations
Journal of Neuroscience · 24, 8410-8415
https://exaly.com/article/36559643

137 **Reelin and Cyclin-Dependent Kinase 5-Dependent Signals Cooperate in Regulating Neuronal Migration and Synaptic Transmission** 114 citations
Journal of Neuroscience · 24, 1897-1906
https://exaly.com/article/36571358

138 **Calcium–Calmodulin-Dependent Kinase II Modulates Kv4.2 Channel Expression and Upregulates Neuronal A-Type Potassium Currents** 153 citations
Journal of Neuroscience · 24, 3643-3654
https://exaly.com/article/36652625

139 **A Bioinformatics Analysis of Memory Consolidation Reveals Involvement of the Transcription Factor c-Rel** 165 citations
Journal of Neuroscience · 24, 3933-3943
https://exaly.com/article/36658636

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2004 / continued

140 **Structure and Function of Kv4-Family Transient Potassium Channels** 343 citations
Physiological Reviews · 84, 803-33
https://exaly.com/article/36693356

141 **Mild Overexpression of MeCP2 Causes a Progressive Neurological Disorder in Mice.** 585 citations
Human Molecular Genetics · 13, 2679-89
https://exaly.com/article/36697838

142 **Receptor Clustering Is Involved in Reelin Signaling** 184 citations
Molecular and Cellular Biology · 24, 1378-86
https://exaly.com/article/36704614

143 **Neuronal LRP1 Functionally Associates With Postsynaptic Proteins and Is Required for Normal Motor Function in Mice** 221 citations
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