Eric R Kandel

List of Publications by Year
in descending order

200 papers	39,885 citations	2426 97 h-index	2624 194 g-index
210 all docs	210 docs citations	210 times ranked	25651 citing authors

#	Article	IF	Citations
1	Enkephalin release from VIP interneurons in the hippocampal CA2/3a region mediates heterosynaptic plasticity and social memory. Molecular Psychiatry, 2022, 27, 2879-2900.	4.1	20
2	Deep brain stimulation of the nucleus accumbens shell attenuates cocaine withdrawal but increases cocaine self-administration, cocaine-induced locomotor activity, and GluR1/GluA1 in the central nucleus of the amygdala in male cocaine-dependent rats. Brain Stimulation, 2022, 15, 13-22.	0.7	11
3	A direct lateral entorhinal cortex to hippocampal CA2 circuit conveys social information required for social memory. Neuron, 2022, 110, 1559-1572.e4.	3.8	48
4	The evolution of synaptic and cognitive capacity: Insights from the nervous system transcriptome ofAplysia. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	11
5	Loss of retinoid X receptor gamma subunit impairs group 1 mGluR mediated electrophysiological responses and group 1 mGluR dependent behaviors. Scientific Reports, 2021, 11, 5552.	1.6	5
6	Possible novel features of synaptic regulation during long-term facilitation in Aplysia. Learning and Memory, 2021, 28, 218-227.	0.5	4
7	3D neuronal mitochondrial morphology in axons, dendrites, and somata of the aging mouse hippocampus. Cell Reports, 2021, 36, 109509.	2.9	52
8	A fast, aqueous, reversible three-day tissue clearing method for adult and embryonic mouse brain and whole body. Cell Reports Methods, 2021, 1, 100090.	1.4	7
9	Single-nucleotide polymorphism in the human TIA1 gene interacts with stressful life events to predict the development of pathological anxiety symptoms in a Swedish population. Journal of Affective Disorders, 2020, 260, 597-603.	2.0	6
10	Micellar TIA1 with folded RNA binding domains as a model for reversible stress granule formation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31832-31837.	3.3	15
11	Cytoplasmic Polyadenylation Element Binding Proteins CPEB1 and CPEB3 Regulate the Translation of FosB and Are Required for Maintaining Addiction-Like Behaviors Induced by Cocaine. Frontiers in Cellular Neuroscience, 2020, 14, 207.	1.8	3
12	An objective evaluation of the beholderâ€™s response to abstract and figurative art based on construal level theory. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19809-19815.	3.3	10
13	Cannabinoid exposure in rat adolescence reprograms the initial behavioral, molecular, and epigenetic response to cocaine. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9991-10002.	3.3	39
14	Ubiquitination and SUMOylation of Amyloid and Amyloid-like Proteins in Health and Disease. Current Issues in Molecular Biology, 2020, 35, 195-230.	1.0	5
15	CPEB3 inhibits translation of mRNA targets by localizing them to P bodies. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18078-18087.	3.3	69
16	Comparison of the ionic currents modulated during activity-dependent and normal presynaptic facilitation. Learning and Memory, 2019, 26, 449-454.	0.5	1
17	Serotonin Induces Structural Plasticity of Both Extrinsic Modulating and Intrinsic Mediating Circuits InÂVitro in Aplysia Californica. Cell Reports, 2019, 28, 2955-2965.e3.	2.9	27
18	Sex Differences in Remote Contextual Fear Generalization in Mice. Frontiers in Behavioral Neuroscience, 2019, 13, 56.	1.0	40

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19	Genetic Perturbation of TIA1 Reveals a Physiological Role in Fear Memory. Cell Reports, 2019, 26, 2970-2983.e4.	2.9	19
20	Molecular Mechanisms of the Memory Trace. Trends in Neurosciences, 2019, 42, 14-22.	4.2	148
21	TIA-1 Self-Multimerization, Phase Separation, and Recruitment into Stress Granules Are Dynamically Regulated by Zn2+. Cell Reports, 2018, 22, 59-71.	2.9	80
22	Cannabinoid Modulation of Eukaryotic Initiation Factors (eIF2Î± and eIF2B1) and Behavioral Cross-Sensitization to Cocaine in Adolescent Rats. Cell Reports, 2018, 22, 2909-2923.	2.9	23
23	Autocrine signaling by an Aplysia neurotrophin forms a presynaptic positive feedback loop. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11168-E11177.	3.3	6
24	A circuit from hippocampal CA2 to lateral septum disinhibits social aggression. Nature, 2018, 564, 213-218.	13.7	184
25	RbAp48 Protein Is a Critical Component of GPR158/OCN Signaling and Ameliorates Age-Related Memory Loss. Cell Reports, 2018, 25, 959-973.e6.	2.9	56
26	Anterograde and retrograde signaling by an Aplysia neurotrophin forms a transsynaptic functional unit. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10951-E10960.	3.3	7
27	Adolescent cannabinoid exposure induces irritability-like behavior and cocaine cross-sensitization without affecting the escalation of cocaine self-administration in adulthood. Scientific Reports, 2018, 8, 13893.	1.6	23
28	The Class II Histone Deacetylase Hypothesis of Addiction. Biological Psychiatry, 2018, 84, 165-166.	0.7	1
29	Designing a norepinephrine optical tracer for imaging individual noradrenergic synapses and their activity in vivo. Nature Communications, 2018, 9, 2838.	5.8	42
30	Impaired recruitment of dopamine neurons during working memory in mice with striatal D2 receptor overexpression. Nature Communications, 2018, 9, 2822.	5.8	29
31	The Neurobiology of Fear Generalization. Frontiers in Behavioral Neuroscience, 2018, 12, 329.	1.0	116
32	TIA-1 Is a Functional Prion-Like Protein. Cold Spring Harbor Perspectives in Biology, 2017, 9, a030718.	2.3	24
33	Prior alcohol use enhances vulnerability to compulsive cocaine self-administration by promoting degradation of HDAC4 and HDAC5. Science Advances, 2017, 3, e1701682.	4.7	45
34	Gpr158 mediates osteocalcinâ€™s regulation of cognition. Journal of Experimental Medicine, 2017, 214, 2859-2873.	4.2	194
35	Functional Prions in the Brain. Cold Spring Harbor Perspectives in Biology, 2017, 9, a023671.	2.3	27
36	A Comparative Analysis of the Molecular Mechanisms Contributing to Implicit and Explicit Memory Storage in Aplysia and in the Hippocampus â˜†. , 2017, , 5-31.		4

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37	Presynaptic Mechanisms of Plasticity and Memory in Aplysia and Other Learning-Related Experimental Systems. , 2017, , 435-452.		0
38	Dopamine release from the locus coeruleus to the dorsal hippocampus promotes spatial learning and memory. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14835-14840.	3.3	438
39	The Role of Functional Prion-Like Proteins in the Persistence of Memory. Cold Spring Harbor Perspectives in Biology, 2016, 8, a021774.	2.3	95
40	Roles for small noncoding RNAs in silencing of retrotransposons in the mammalian brain. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12697-12702.	3.3	77
41	ApCPEB4, a non-prion domain containing homolog of ApCPEB, is involved in the initiation of long-term facilitation. Molecular Brain, 2016, 9, 91.	1.3	3
42	PP2A methylation controls sensitivity and resistance to Î²-amyloidâ€“induced cognitive and electrophysiological impairments. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3347-3352.	3.3	48
43	Reductionism in Art and Brain Science. , 2016, , .		48
44	Improving temporal cognition by enhancing motivation.. Behavioral Neuroscience, 2015, 129, 576-588.	0.6	19
45	Orbitofrontal cortex mediates the differential impact of signaled-reward probability on discrimination accuracy. Frontiers in Neuroscience, 2015, 9, 230.	1.4	17
46	The Persistence of Hippocampal-Based Memory Requires Protein Synthesis Mediated by the Prion-like Protein CPEB3. Neuron, 2015, 86, 1433-1448.	3.8	180
47	Increased dopamine D2 receptor activity in the striatum alters the firing pattern of dopamine neurons in the ventral tegmental area. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1498-506.	3.3	56
48	Structural Components of Synaptic Plasticity and Memory Consolidation. Cold Spring Harbor Perspectives in Biology, 2015, 7, a021758.	2.3	279
49	The CPEB3 Protein Is a Functional Prion that Interacts with the Actin Cytoskeleton. Cell Reports, 2015, 11, 1772-1785.	2.9	109
50	SUMOylation Is an Inhibitory Constraint that Regulates the Prion-like Aggregation and Activity of CPEB3. Cell Reports, 2015, 11, 1694-1702.	2.9	116
51	The impact of motivation on cognitive performance in an animal model of the negative and cognitive symptoms of schizophrenia.. Behavioral Neuroscience, 2015, 129, 292-299.	0.6	19
52	Dopamine Regulation of Amygdala Inhibitory Circuits for Expression of Learned Fear. Neuron, 2015, 88, 378-389.	3.8	49
53	MicroRNA-22 Gates Long-Term Heterosynaptic Plasticity in Aplysia through Presynaptic Regulation of CPEB and Downstream Targets. Cell Reports, 2015, 11, 1866-1875.	2.9	69
54	The Regulation of Transcription in Memory Consolidation. Cold Spring Harbor Perspectives in Biology, 2015, 7, a021741.	2.3	269

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55	Persistence of Memory and Prion Mechanisms: A Perspective. FASEB Journal, 2015, 29, 204.1.	0.2	0
56	Differential contribution of TRPM4 and TRPM5 nonselective cation channels to the slow afterdepolarization in mouse prefrontal cortex neurons. Frontiers in Cellular Neuroscience, 2014, 8, 267.	1.8	38
57	A Place and a Grid in the Sun. Cell, 2014, 159, 1239-1242.	13.5	6
58	The Molecular and Systems Biology of Memory. Cell, 2014, 157, 163-186.	13.5	833
59	Republication of The Journal of Physiology (2009) 587, 2733â€“2741: An introduction to the work of David Hubel and Torsten Wiesel. Journal of Physiology, 2014, 592, 2-10.	1.3	3
60	A Molecular Basis for Nicotine as a Gateway Drug. New England Journal of Medicine, 2014, 371, 932-943.	13.9	293
61	Learning-induced and stathmin-dependent changes in microtubule stability are critical for memory and disrupted in ageing. Nature Communications, 2014, 5, 4389.	5.8	81
62	Functional Role of Tia1/Pub1 and Sup35 Prion Domains: Directing Protein Synthesis Machinery to the Tubulin Cytoskeleton. Molecular Cell, 2014, 55, 305-318.	4.5	71
63	Selective Overexpression of Dopamine D3 Receptors in the Striatum Disrupts Motivation but not Cognition. Biological Psychiatry, 2014, 76, 823-831.	0.7	45
64	Huntingtin Is Critical Both Pre- and Postsynaptically for Long-Term Learning-Related Synaptic Plasticity in Aplysia. PLoS ONE, 2014, 9, e103004.	1.1	20
65	Neuroscience thinks big (and collaboratively). Nature Reviews Neuroscience, 2013, 14, 659-664.	4.9	206
66	A Single Aplysia Neurotrophin Mediates Synaptic Facilitation via Differentially Processed Isoforms. Cell Reports, 2013, 3, 1213-1227.	2.9	44
67	The New Science of Mind and the Future of Knowledge. Neuron, 2013, 80, 546-560.	3.8	32
68	Molecular Mechanism for Age-Related Memory Loss: The Histone-Binding Protein RbAp48. Science Translational Medicine, 2013, 5, 200ra115.	5.8	99
69	Characterization of prion-like conformational changes of the neuronal isoform of AplysiaÂCPEB. Nature Structural and Molecular Biology, 2013, 20, 495-501.	3.6	73
70	New mechanisms in memory storage: piRNAs and epigenetics. Trends in Neurosciences, 2013, 36, 535-542.	4.2	78
71	Spontaneous transmitter release is critical for the induction of long-term and intermediate-term facilitation inAplysia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9131-9136.	3.3	26
72	Spontaneous transmitter release recruits postsynaptic mechanisms of long-term and intermediate-term facilitation in Aplysia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9137-9142.	3.3	36

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73	Learning-Related Synaptic Growth Mediated by Internalization ofAplysiaCell Adhesion Molecule Is Controlled by Membrane Phosphatidylinositol 4,5-Bisphosphate Synthetic Pathway. Journal of Neuroscience, 2012, 32, 16296-16305.	1.7	13
74	A cellular model of memory reconsolidation involves reactivation-induced destabilization and restabilization at the sensorimotor synapse in Aplysia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14200-14205.	3.3	76
75	A Role for Neuronal piRNAs in the Epigenetic Control of Memory-Related Synaptic Plasticity. Cell, 2012, 149, 693-707.	13.5	474
76	Synapses and Memory Storage. Cold Spring Harbor Perspectives in Biology, 2012, 4, a005751-a005751.	2.3	366
77	The molecular biology of memory: cAMP, PKA, CRE, CREB-1, CREB-2, and CPEB. Molecular Brain, 2012, 5, 14.	1.3	708
78	Neuralized1 Activates CPEB3: A Function for Nonproteolytic Ubiquitin in Synaptic Plasticity and Memory Storage. Cell, 2011, 147, 1369-1383.	13.5	170
79	Molecular Mechanism for a Gateway Drug: Epigenetic Changes Initiated by Nicotine Prime Gene Expression by Cocaine. Science Translational Medicine, 2011, 3, 107ra109.	5.8	243
80	Neurexin-Neuroligin Transsynaptic Interaction Mediates Learning-Related Synaptic Remodeling and Long-Term Facilitation in Aplysia. Neuron, 2011, 70, 468-481.	3.8	86
81	Whereas short-term facilitation is presynaptic, intermediate-term facilitation involves both presynaptic and postsynaptic protein kinases and protein synthesis. Learning and Memory, 2011, 18, 96-102.	0.5	43
82	An Interview with Eric Kandel. Journal of Physiology, 2010, 588, 743-745.	1.3	1
83	Presynaptic and Postsynaptic Mechanisms of Synaptic Plasticity and Metaplasticity during Intermediate-Term Memory Formation inAplysia. Journal of Neuroscience, 2010, 30, 5781-5791.	1.7	53
84	Aplysia CPEB Can Form Prion-like Multimers in Sensory Neurons that Contribute to Long-Term Facilitation. Cell, 2010, 140, 421-435.	13.5	360
85	Essential Role of Coiled Coils for Aggregation and Activity of Q/N-Rich Prions and PolyQ Proteins. Cell, 2010, 143, 1121-1135.	13.5	223
86	Identification of a serotonin receptor coupled to adenylyl cyclase involved in learning-related heterosynaptic facilitation in Aplysia. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14634-14639.	3.3	48
87	Attention Enhances the Retrieval and Stability of Visuospatial and Olfactory Representations in the Dorsal Hippocampus. PLoS Biology, 2009, 7, e1000140.	2.6	122
88	An introduction to the work of David Hubel and Torsten Wiesel. Journal of Physiology, 2009, 587, 2733-2741.	1.3	16
89	Characterization of Small RNAs in Aplysia Reveals a Role for miR-124 in Constraining Synaptic Plasticity through CREB. Neuron, 2009, 63, 803-817.	3.8	374
90	The Biology of Memory: A Forty-Year Perspective. Journal of Neuroscience, 2009, 29, 12748-12756.	1.7	179

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91	Transcriptional regulation of long-term memory in the marine snail Aplysia. Molecular Brain, 2008, 1, 3.	1.3	72
92	Sustained CPEB-Dependent Local Protein Synthesis Is Required to Stabilize Synaptic Growth for Persistence of Long-Term Facilitation in Aplysia. Neuron, 2008, 59, 1024-1036.	3.8	127
93	A New Component in Synaptic Plasticity: Upregulation of Kinesin in the Neurons of the Gill-Withdrawal Reflex. Cell, 2008, 135, 960-973.	13.5	83
94	Chapter 10 Synaptic remodeling, synaptic growth and the storage of long-term memory in Aplysia. Progress in Brain Research, 2008, 169, 179-198.	0.9	109
95	Chronic nicotine exposure induces a long-lasting and pathway-specific facilitation of LTP in the amygdala. Learning and Memory, 2008, 15, 603-610.	0.5	37
96	Nuclear Translocation of CAM-Associated Protein Activates Transcription for Long-Term Facilitation in Aplysia. Cell, 2007, 129, 801-812.	13.5	50
97	Molecular Mechanisms of Memory Storage inAplysia. Biological Bulletin, 2006, 210, 174-191.	0.7	209
98	Neuronal Transcriptome of Aplysia: Neuronal Compartments and Circuitry. Cell, 2006, 127, 1453-1467.	13.5	310
99	The Role of CREB and CBP in Brain Function. , 2006, , 206-241.		6
100	PKA-activated ApAFâ€“ApC/EBP heterodimer is a key downstream effector of ApCREB and is necessary and sufficient for the consolidation of long-term facilitation. Journal of Cell Biology, 2006, 174, 827-838.	2.3	23
101	Capture of the Late Phase of Long-Term Potentiation within and across the Apical and Basilar Dendritic Compartments of CA1 Pyramidal Neurons: Synaptic Tagging Is Compartment Restricted. Journal of Neuroscience, 2006, 26, 256-264.	1.7	64
102	Dishabituation in Aplysia can involve either reversal of habituation or superimposed sensitization. Learning and Memory, 2006, 13, 397-403.	0.5	27
103	Operant Conditioning of Gill Withdrawal in Aplysia. Journal of Neuroscience, 2006, 26, 2443-2448.	1.7	33
104	Ablation of hippocampal neurogenesis impairs contextual fear conditioning and synaptic plasticity in the dentate gyrus. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17501-17506.	3.3	915
105	Presynaptic and Postsynaptic Roles of NO, cGK, and RhoA in Long-Lasting Potentiation and Aggregation of Synaptic Proteins. Neuron, 2005, 45, 389-403.	3.8	193
106	Serotonin-Induced Regulation of the Actin Network for Learning-Related Synaptic Growth Requires Cdc42, N-WASP, and PAK in Aplysia Sensory Neurons. Neuron, 2005, 45, 887-901.	3.8	95
107	Transient expansion of synaptically connected dendritic spines upon induction of hippocampal long-term potentiation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16665-16670.	3.3	213
108	Selective Modulation of Some Forms of Schaffer Collateral-CA1 Synaptic Plasticity in Mice With a Disruption of the CPEB-1 Gene. Learning and Memory, 2004, 11, 318-327.	0.5	142

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109	Role of Aplysia Cell Adhesion Molecules During 5-HT-Induced Long-Term Functional and Structural Changes. Learning and Memory, 2004, 11, 421-435.	0.5	25
110	The Molecular Biology of Memory Storage: A Dialog Between Genes and Synapses. Bioscience Reports, 2004, 24, 475-522.	1.1	160
111	Chromatin Acetylation, Memory, and LTP Are Impaired in CBP+/â^' Mice. Neuron, 2004, 42, 947-959.	3.8	839
112	The Persistence of Long-Term Memory. Neuron, 2004, 44, 49-57.	3.8	250
113	A Parallel Between Radical Reductionism in Science and in Art. Annals of the New York Academy of Sciences, 2003, 1001, 272-294.	1.8	12
114	A Neuronal Isoform of the Aplysia CPEB Has Prion-Like Properties. Cell, 2003, 115, 879-891.	13.5	526
115	A Neuronal Isoform of CPEB Regulates Local Protein Synthesis and Stabilizes Synapse-Specific Long-Term Facilitation in Aplysia. Cell, 2003, 115, 893-904.	13.5	390
116	Activity-Dependent Presynaptic Facilitation and Hebbian LTP Are Both Required and Interact during Classical Conditioning in Aplysia. Neuron, 2003, 37, 135-147.	3.8	181
117	Inducible Enhancement of Memory Storage and Synaptic Plasticity in Transgenic Mice Expressing an Inhibitor of ATF4 (CREB-2) and C/EBP Proteins. Neuron, 2003, 39, 655-669.	3.8	247
118	Presynaptic BDNF Required for a Presynaptic but Not Postsynaptic Component of LTP at Hippocampal CA1-CA3 Synapses. Neuron, 2003, 39, 975-990.	3.8	288
119	Presynaptic Activation of Silent Synapses and Growth of New Synapses Contribute to Intermediate and Long-Term Facilitation in Aplysia. Neuron, 2003, 40, 151-165.	3.8	125
120	CREB, memory enhancement and the treatment of memory disorders: promises, pitfalls and prospects. Expert Opinion on Therapeutic Targets, 2003, 7, 101-114.	1.5	172
121	Two previously undescribed members of the mouse CPEB family of genes and their inducible expression in the principal cell layers of the hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9602-9607.	3.3	171
122	p38 MAP Kinase Mediates Both Short-Term and Long-Term Synaptic Depression inAplysia. Journal of Neuroscience, 2003, 23, 7317-7325.	1.7	84
123	Expression of Constitutively Active CREB Protein Facilitates the Late Phase of Long-Term Potentiation by Enhancing Synaptic Capture. Cell, 2002, 108, 689-703.	13.5	530
124	Integration of Long-Term-Memory-Related Synaptic Plasticity Involves Bidirectional Regulation of Gene Expression and Chromatin Structure. Cell, 2002, 111, 483-493.	13.5	466
125	Reversible Inhibition of CREB/ATF Transcription Factors in Region CA1 of the Dorsal Hippocampus Disrupts Hippocampus-Dependent Spatial Memory. Neuron, 2002, 34, 447-462.	3.8	425
126	Inducible and Reversible Enhancement of Learning, Memory, and Long-Term Potentiation by Genetic Inhibition of Calcineurin. Cell, 2001, 104, 675-686.	13.5	440

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127	The Contribution of Activity-Dependent Synaptic Plasticity to Classical Conditioning inAplysia. Journal of Neuroscience, 2001, 21, 6413-6422.	1.7	86
128	NOBEL LECTURE: The Molecular Biology of Memory Storage: A Dialog Between Genes and Synapses. Bioscience Reports, 2001, 21, 565-611.	1.1	278
129	Rapid Increase in Clusters of Presynaptic Proteins at Onset of Long-Lasting Potentiation. Science, 2001, 294, 1547-1550.	6.0	152
130	Progress in the Neural Sciences in the Century after Cajal (and the Mysteries That Remain). Annals of the New York Academy of Sciences, 2001, 929, 11-40.	1.8	17
131	Is Heterosynaptic modulation essential for stabilizing hebbian plasiticity and memory. Nature Reviews Neuroscience, 2000, 1, 11-20.	4.9	369
132	Local protein synthesis and its role in synapse-specific plasticity. Current Opinion in Neurobiology, 2000, 10, 587-592.	2.0	226
133	Cognitive neuroscience. Current Opinion in Neurobiology, 2000, 10, 612-624.	2.0	50
134	Parallel Instabilities of Long-Term Potentiation, Place Cells, and Learning Caused by Decreased Protein Kinase A Activity. Journal of Neuroscience, 2000, 20, 8096-8102.	1.7	116
135	Enhancement of Memory-Related Long-Term Facilitation by ApAF, a Novel Transcription Factor that Acts Downstream from Both CREB1 and CREB2. Cell, 2000, 103, 595-608.	13.5	64
136	Strain-dependent Differences in LTP and Hippocampus-dependent Memory in Inbred Mice. Learning and Memory, 2000, 7, 170-179.	0.5	215
137	The Emergence of Modern Neuroscience: Some Implications for Neurology and Psychiatry. Annual Review of Neuroscience, 2000, 23, 343-391.	5.0	140
138	The Contribution of Facilitation of Monosynaptic PSPs to Dishabituation and Sensitization of theAplysiaSiphon Withdrawal Reflex. Journal of Neuroscience, 1999, 19, 10438-10450.	1.7	63
139	Cyclic AMP induces functional presynaptic boutons in hippocampal CA3â€“CA1 neuronal cultures. Nature Neuroscience, 1999, 2, 24-30.	7.1	146
140	Mechanisms for Generating the Autonomous cAMP-Dependent Protein Kinase Required for Long-Term Facilitation in Aplysia. Neuron, 1999, 22, 147-156.	3.8	173
141	ERK Plays a Regulatory Role in Induction of LTP by Theta Frequency Stimulation and Its Modulation by Î²-Adrenergic Receptors. Neuron, 1999, 24, 715-726.	3.8	300
142	A Transient, Neuron-Wide Form of CREB-Mediated Long-Term Facilitation Can Be Stabilized at Specific Synapses by Local Protein Synthesis. Cell, 1999, 99, 221-237.	13.5	471
143	The past, the future and the biology of memory storage. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 2027-2052.	1.8	106
144	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.	9.1	252

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145	Postsynaptic Induction and PKA-Dependent Expression of LTP in the Lateral Amygdala. Neuron, 1998, 21, 169-178.	3.8	310
146	Inducible and Reversible Gene Expression with the rtTA System for the Study of Memory. Neuron, 1998, 21, 257-265.	3.8	239
147	Cognitive Neuroscience and the Study of Memory. Neuron, 1998, 20, 445-468.	3.8	1,117
148	A genetic switch for long-term memory. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 1998, 321, 91-96.	0.8	61
149	Genetic and Pharmacological Evidence for a Novel, Intermediate Phase of Long-Term Potentiation Suppressed by Calcineurin. Cell, 1998, 92, 25-37.	13.5	338
150	Restricted and Regulated Overexpression Reveals Calcineurin as a Key Component in the Transition from Short-Term to Long-Term Memory. Cell, 1998, 92, 39-49.	13.5	336
151	CREB1 Encodes a Nuclear Activator, a Repressor, and a Cytoplasmic Modulator that Form a Regulatory Unit Critical for Long-Term Facilitation. Cell, 1998, 95, 211-223.	13.5	332
152	Memory Suppressor Genes: Inhibitory Constraints on the Storage of Long-Term Memory. Science, 1998, 279, 338-341.	6.0	288
153	Abolition of Long-Term Stability of New Hippocampal Place Cell Maps by NMDA Receptor Blockade. Science, 1998, 280, 2121-2126.	6.0	458
154	Relationship between dishabituation, sensitization, and inhibition of the gill- and siphon-withdrawal reflex in Aplysia californica: Effects of response measure, test time, and training stimulus.. Behavioral Neuroscience, 1998, 112, 24-38.	0.6	35
155	Classical conditioning, differential conditioning, and second-order conditioning of the Aplysia gill-withdrawal reflex in a simplified mantle organ preparation.. Behavioral Neuroscience, 1998, 112, 636-645.	0.6	41
156	Involvement of Presynaptic and Postsynaptic Mechanisms in a Cellular Analog of Classical Conditioning atAplysiaSensory-Motor Neuron Synapses in Isolated Cell Culture. Journal of Neuroscience, 1998, 18, 458-466.	1.7	140
157	Different Training Procedures Recruit Either One or Two Critical Periods for Contextual Memory Consolidation, Each of Which Requires Protein Synthesis and PKA. Learning and Memory, 1998, 5, 365-374.	0.5	429
158	Involvement of Pre- and Postsynaptic Mechanisms in Posttetanic Potentiation atAplysiaSynapses. Science, 1997, 275, 969-973.	6.0	103
159	MAP Kinase Translocates into the Nucleus of the Presynaptic Cell and Is Required for Long-Term Facilitation in Aplysia. Neuron, 1997, 18, 899-912.	3.8	535
160	Mutation in the Phosphorylation Sites of MAP Kinase Blocks Learning-Related Internalization of apCAM in Aplysia Sensory Neurons. Neuron, 1997, 18, 913-924.	3.8	172
161	Recruitment of New Sites of Synaptic Transmission During the cAMP-Dependent Late Phase of LTP at CA3â€“CA1 Synapses in the Hippocampus. Neuron, 1997, 19, 635-651.	3.8	195
162	Ubiquitin C-Terminal Hydrolase Is an Immediate-Early Gene Essential for Long-Term Facilitation in Aplysia. Cell, 1997, 89, 115-126.	13.5	352

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163	Synapse-Specific, Long-Term Facilitation of Aplysia Sensory to Motor Synapses: A Function for Local Protein Synthesis in Memory Storage. Cell, 1997, 91, 927-938.	13.5	693
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