

Robert C Malenka

List of Publications by Year in descending order

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Version: 2024-02-01

170
papers

60,760
citations

1704

104
h-index

4885

168
g-index

188
all docs

188
docs citations

188
times ranked

38927
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural circuits regulating prosocial behaviors. <i>Neuropsychopharmacology</i> , 2023, 48, 79-89.	5.4	23
2	Somatodendritic Release of Cholecystokinin Potentiates GABAergic Synapses Onto Ventral Tegmental Area Dopamine Cells. <i>Biological Psychiatry</i> , 2023, 93, 197-208.	1.3	9
3	Local accumbens inÂvivo imaging during deep brain stimulation reveals a strategy-dependent amelioration of hedonic feeding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	10
4	Aberrant impulse control circuitry in obesity. <i>Molecular Psychiatry</i> , 2022, 27, 3374-3384.	7.9	6
5	Better living through chemistry: MDMAâ€™s prosocial mechanism as a starting point for improved therapeutics. <i>Neuropsychopharmacology</i> , 2021, 46, 261-261.	5.4	6
6	Dissecting neural mechanisms of prosocial behaviors. <i>Current Opinion in Neurobiology</i> , 2021, 68, 9-14.	4.2	15
7	Anterior cingulate inputs to nucleus accumbens control the social transfer of pain and analgesia. <i>Science</i> , 2021, 371, 153-159.	12.6	179
8	Accumbens coordinated reset stimulation in mice exhibits ameliorating aftereffects on binge alcohol drinking. <i>Brain Stimulation</i> , 2021, 14, 330-334.	1.6	9
9	Input-specific modulation of murine nucleus accumbens differentially regulates hedonic feeding. <i>Nature Communications</i> , 2021, 12, 2135.	12.8	35
10	Selective filtering of excitatory inputs to nucleus accumbens by dopamine and serotonin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	23
11	Systemic enhancement of serotonin signaling reverses social deficits in multiple mouse models for ASD. <i>Neuropsychopharmacology</i> , 2021, 46, 2000-2010.	5.4	21
12	5-HT modulation of a medial septal circuit tunes social memory stability. <i>Nature</i> , 2021, 599, 96-101.	27.8	47
13	Continuous and Discrete Neuron Types of the Adult Murine Striatum. <i>Neuron</i> , 2020, 105, 688-699.e8.	8.1	92
14	Brain-Responsive Neurostimulation for Loss of Control Eating: Early Feasibility Study. <i>Neurosurgery</i> , 2020, 87, 1277-1288.	1.1	16
15	Deep posteromedial cortical rhythm in dissociation. <i>Nature</i> , 2020, 586, 87-94.	27.8	145
16	A Molecular Calcium Integrator Reveals a Striatal Cell Type Driving Aversion. <i>Cell</i> , 2020, 183, 2003-2019.e16.	28.9	40
17	Loss of the neural-specific BAF subunit ACTL6B relieves repression of early response genes and causes recessive autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10055-10066.	7.1	34
18	Amygdala-Midbrain Connections Modulate Appetitive and Aversive Learning. <i>Neuron</i> , 2020, 106, 1026-1043.e9.	8.1	70

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19	Long-term potentiation is independent of the C-tail of the GluA1 AMPA receptor subunit. <i>ELife</i> , 2020, 9, .	6.0	25
20	Disruptive Psychopharmacology. <i>JAMA Psychiatry</i> , 2019, 76, 775.	11.0	20
21	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , 2019, 103, 217-234.e4.	8.1	518
22	Neuroigin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. <i>Neuron</i> , 2019, 102, 621-635.e3.	8.1	67
23	Complementary Genetic Targeting and Monosynaptic Input Mapping Reveal Recruitment and Refinement of Distributed Corticostriatal Ensembles by Cocaine. <i>Neuron</i> , 2019, 104, 916-930.e5.	8.1	34
24	Electrical and synaptic integration of glioma into neural circuits. <i>Nature</i> , 2019, 573, 539-545.	27.8	706
25	Distinct neural mechanisms for the prosocial and rewarding properties of MDMA. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	56
26	Topological Organization of Ventral Tegmental Area Connectivity Revealed by Viral-Genetic Dissection of Input-Output Relations. <i>Cell Reports</i> , 2019, 26, 159-167.e6.	6.4	81
27	Closing the loop on impulsivity via nucleus accumbens delta-band activity in mice and man. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 192-197.	7.1	80
28	Nucleus Accumbens Modulation in Reward and Aversion. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2018, 83, 119-129.	1.1	67
29	Deletion of <i>LRRTM1</i> and <i>LRRTM2</i> in adult mice impairs basal AMPA receptor transmission and LTP in hippocampal CA1 pyramidal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5382-E5389.	7.1	51
30	Parallel circuits from the bed nuclei of stria terminalis to the lateral hypothalamus drive opposing emotional states. <i>Nature Neuroscience</i> , 2018, 21, 1084-1095.	14.8	185
31	Cocaine-Induced Structural Plasticity in Input Regions to Distinct Cell Types in Nucleus Accumbens. <i>Biological Psychiatry</i> , 2018, 84, 893-904.	1.3	47
32	5-HT release in nucleus accumbens rescues social deficits in mouse autism model. <i>Nature</i> , 2018, 560, 589-594.	27.8	169
33	Modulation of excitation on parvalbumin interneurons by neuroligin-3 regulates the hippocampal network. <i>Nature Neuroscience</i> , 2017, 20, 219-229.	14.8	71
34	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. <i>Neuron</i> , 2017, 93, 822-839.e6.	8.1	250
35	The Retromer Supports AMPA Receptor Trafficking During LTP. <i>Neuron</i> , 2017, 94, 74-82.e5.	8.1	74
36	Postsynaptic synaptotagmins mediate AMPA receptor exocytosis during LTP. <i>Nature</i> , 2017, 544, 316-321.	27.8	153

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37	Postsynaptic adhesion GPCR latrophilin-2 mediates target recognition in entorhinal-hippocampal synapse assembly. <i>Journal of Cell Biology</i> , 2017, 216, 3831-3846.	5.2	86
38	Gating of social reward by oxytocin in the ventral tegmental area. <i>Science</i> , 2017, 357, 1406-1411.	12.6	414
39	Rabies screen reveals GPe control of cocaine-triggered plasticity. <i>Nature</i> , 2017, 549, 345-350.	27.8	94
40	MDMA as a Probe and Treatment for Social Behaviors. <i>Cell</i> , 2016, 166, 269-272.	28.9	32
41	Cellular Taxonomy of the Mouse Striatum as Revealed by Single-Cell RNA-Seq. <i>Cell Reports</i> , 2016, 16, 1126-1137.	6.4	344
42	Optogenetic Approaches to Neural Circuit Analysis in the Mammalian Brain. , 2016, , 221-231.		2
43	Structural foundations of optogenetics: Determinants of channelrhodopsin ion selectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 822-829.	7.1	197
44	From Synapses to Behavior: What Rodent Models Can Tell Us About Neuropsychiatric Disease. <i>Biological Psychiatry</i> , 2016, 79, 4-6.	1.3	6
45	æ²»ç™,æ³•æ”¹â—,ã®ãŸã,â®æœ€â—,ã®æ^ ç•Ÿã•ã•. <i>Nature Digest</i> , 2015, 12, 28-30.	0.0	0
46	Optogenetics and the Circuit Dynamics of Psychiatric Disease. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 2019.	7.4	39
47	Excitatory transmission at thalamo-striatal synapses mediates susceptibility to social stress. <i>Nature Neuroscience</i> , 2015, 18, 962-964.	14.8	86
48	B-Lymphocyte-Mediated Delayed Cognitive Impairment following Stroke. <i>Journal of Neuroscience</i> , 2015, 35, 2133-2145.	3.6	257
49	Diversity of Transgenic Mouse Models for Selective Targeting of Midbrain Dopamine Neurons. <i>Neuron</i> , 2015, 85, 429-438.	8.1	285
50	Intact-Brain Analyses Reveal Distinct Information Carried by SNc Dopamine Subcircuits. <i>Cell</i> , 2015, 162, 635-647.	28.9	608
51	Circuit Architecture of VTA Dopamine Neurons Revealed by Systematic Input-Output Mapping. <i>Cell</i> , 2015, 162, 622-634.	28.9	777
52	Î²-Neurexins Control Neural Circuits by Regulating Synaptic Endocannabinoid Signaling. <i>Cell</i> , 2015, 162, 593-606.	28.9	123
53	Viral-genetic tracing of the inputâ€“output organization of a central noradrenaline circuit. <i>Nature</i> , 2015, 524, 88-92.	27.8	601
54	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. <i>Neuron</i> , 2015, 87, 326-340.	8.1	144

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55	Neuronal Activity Promotes Glioma Growth through Neuroligin-3 Secretion. <i>Cell</i> , 2015, 161, 803-816.	28.9	550
56	Synaptic Function of Rab11Fip5: Selective Requirement for Hippocampal Long-Term Depression. <i>Journal of Neuroscience</i> , 2015, 35, 7460-7474.	3.6	21
57	Retinoic Acid and LTP Recruit Postsynaptic AMPA Receptors Using Distinct SNARE-Dependent Mechanisms. <i>Neuron</i> , 2015, 86, 442-456.	8.1	72
58	Input- and Output-Specific Regulation of Serial Order Performance by Corticostriatal Circuits. <i>Neuron</i> , 2015, 88, 345-356.	8.1	108
59	Optogenetics: 10 years after Chr2 in neurons—views from the community. <i>Nature Neuroscience</i> , 2015, 18, 1202-1212.	14.8	122
60	Illuminating circuitry relevant to psychiatric disorders with optogenetics. <i>Current Opinion in Neurobiology</i> , 2015, 30, 9-16.	4.2	76
61	Synaptotagmin-1 and -7 Are Redundantly Essential for Maintaining the Capacity of the Readily-Releasable Pool of Synaptic Vesicles. <i>PLoS Biology</i> , 2015, 13, e1002267.	5.6	71
62	Reward and aversion in a heterogeneous midbrain dopamine system. <i>Neuropharmacology</i> , 2014, 76, 351-359.	4.1	606
63	Cav1.3 channels control D2-autoreceptor responses via NCS-1 in substantia nigra dopamine neurons. <i>Brain</i> , 2014, 137, 2287-2302.	7.6	103
64	The best way forward. <i>Nature</i> , 2014, 515, 200-201.	27.8	90
65	Natural Neural Projection Dynamics Underlying Social Behavior. <i>Cell</i> , 2014, 157, 1535-1551.	28.9	1,121
66	Autism-Associated Neuroligin-3 Mutations Commonly Impair Striatal Circuits to Boost Repetitive Behaviors. <i>Cell</i> , 2014, 158, 198-212.	28.9	397
67	Decreased motivation during chronic pain requires long-term depression in the nucleus accumbens. <i>Science</i> , 2014, 345, 535-542.	12.6	233
68	The Emerging Role of Nucleus Accumbens Oxytocin in Social Cognition. <i>Biological Psychiatry</i> , 2014, 76, 354-355.	1.3	38
69	Behavioral Abnormalities and Circuit Defects in the Basal Ganglia of a Mouse Model of 16p11.2 Deletion Syndrome. <i>Cell Reports</i> , 2014, 7, 1077-1092.	6.4	208
70	Leucine-Rich Repeat Transmembrane Proteins Are Essential for Maintenance of Long-Term Potentiation. <i>Neuron</i> , 2013, 79, 439-446.	8.1	66
71	Social reward requires coordinated activity of nucleus accumbens oxytocin and serotonin. <i>Nature</i> , 2013, 501, 179-184.	27.8	960
72	Rapid Release Revealed: Honoring the Synapse. <i>Cell</i> , 2013, 154, 1171-1174.	28.9	1

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73	LTP Requires a Unique Postsynaptic SNARE Fusion Machinery. <i>Neuron</i> , 2013, 77, 542-558.	8.1	192
74	Diverging neural pathways assemble a behavioural state from separable features in anxiety. <i>Nature</i> , 2013, 496, 219-223.	27.8	543
75	Autism-Associated Neuroligin-3 Mutations Commonly Disrupt Tonic Endocannabinoid Signaling. <i>Neuron</i> , 2013, 78, 498-509.	8.1	247
76	Presynaptic Neurexin-3 Alternative Splicing trans-Synaptically Controls Postsynaptic AMPA Receptor Trafficking. <i>Cell</i> , 2013, 154, 75-88.	28.9	246
77	â†FosB differentially modulates nucleus accumbens direct and indirect pathway function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1923-1928.	7.1	167
78	A Comparison of Striatal-Dependent Behaviors in Wild-Type and Hemizygous <i>Drd1a</i> and <i>Drd2</i> BAC Transgenic Mice. <i>Journal of Neuroscience</i> , 2012, 32, 9119-9123.	3.6	52
79	Input-specific control of reward and aversion in the ventral tegmental area. <i>Nature</i> , 2012, 491, 212-217.	27.8	1,062
80	NMDA Receptor-Dependent Long-Term Potentiation and Long-Term Depression (LTP/LTD). <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a005710-a005710.	5.5	720
81	Postsynaptic Complexin Controls AMPA Receptor Exocytosis during LTP. <i>Neuron</i> , 2012, 73, 260-267.	8.1	118
82	Anhedonia requires MC4R-mediated synaptic adaptations in nucleus accumbens. <i>Nature</i> , 2012, 487, 183-189.	27.8	311
83	Drug-Evoked Synaptic Plasticity in Addiction: From Molecular Changes to Circuit Remodeling. <i>Neuron</i> , 2011, 69, 650-663.	8.1	896
84	Projection-Specific Modulation of Dopamine Neuron Synapses by Aversive and Rewarding Stimuli. <i>Neuron</i> , 2011, 70, 855-862.	8.1	642
85	Recollection of lost memories. <i>Nature</i> , 2011, 469, 44-45.	27.8	19
86	Neuroligins/LRRTMs prevent activity- and Ca ²⁺ /calmodulin-dependent synapse elimination in cultured neurons. <i>Journal of Cell Biology</i> , 2011, 194, 323-334.	5.2	88
87	The neurexin ligands, neuroligins and leucine-rich repeat transmembrane proteins, perform convergent and divergent synaptic functions in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16502-16509.	7.1	124
88	Autism-linked neuroligin-3 R451C mutation differentially alters hippocampal and cortical synaptic function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13764-13769.	7.1	296
89	A calcineurin/AKAP complex is required for NMDA receptorâ€dependent long-term depression. <i>Nature Neuroscience</i> , 2010, 13, 1053-1055.	14.8	92
90	Postsynaptic TRPV1 triggers cell typeâ€specific long-term depression in the nucleus accumbens. <i>Nature Neuroscience</i> , 2010, 13, 1519-1525.	14.8	302

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91	Calcium Binding to PICK1 Is Essential for the Intracellular Retention of AMPA Receptors Underlying Long-Term Depression. <i>Journal of Neuroscience</i> , 2010, 30, 16437-16452.	3.6	105
92	The addicted synapse: mechanisms of synaptic and structural plasticity in nucleus accumbens. <i>Trends in Neurosciences</i> , 2010, 33, 267-276.	8.6	566
93	A critical role for PSD-95/AKAP interactions in endocytosis of synaptic AMPA receptors. <i>Nature Neuroscience</i> , 2009, 12, 172-181.	14.8	160
94	LRRTM2 Functions as a Neurexin Ligand in Promoting Excitatory Synapse Formation. <i>Neuron</i> , 2009, 64, 791-798.	8.1	315
95	Synaptic Plasticity: Multiple Forms, Functions, and Mechanisms. <i>Neuropsychopharmacology</i> , 2008, 33, 18-41.	5.4	1,434
96	Molecular Dissociation of the Role of PSD-95 in Regulating Synaptic Strength and LTD. <i>Neuron</i> , 2008, 57, 248-262.	8.1	161
97	Striatal Plasticity and Basal Ganglia Circuit Function. <i>Neuron</i> , 2008, 60, 543-554.	8.1	855
98	Mechanism and Time Course of Cocaine-Induced Long-Term Potentiation in the Ventral Tegmental Area. <i>Journal of Neuroscience</i> , 2008, 28, 9092-9100.	3.6	462
99	Spike Timing-Dependent Long-Term Potentiation in Ventral Tegmental Area Dopamine Cells Requires PKC. <i>Journal of Neurophysiology</i> , 2008, 100, 533-538.	1.8	44
100	Mechanisms Underlying Dedepression of Synaptic NMDA Receptors in the Hippocampus. <i>Journal of Neurophysiology</i> , 2008, 99, 254-263.	1.8	8
101	Activation of NR2B-containing NMDA receptors is not required for NMDA receptor-dependent long-term depression. <i>Neuropharmacology</i> , 2007, 52, 71-76.	4.1	199
102	Synaptic plasticity and addiction. <i>Nature Reviews Neuroscience</i> , 2007, 8, 844-858.	10.2	1,402
103	Alternative N-Terminal Domains of PSD-95 and SAP97 Govern Activity-Dependent Regulation of Synaptic AMPA Receptor Function. <i>Neuron</i> , 2006, 51, 99-111.	8.1	209
104	LTP: AMPA receptors trading places. <i>Nature Neuroscience</i> , 2006, 9, 593-594.	14.8	23
105	CREB modulates excitability of nucleus accumbens neurons. <i>Nature Neuroscience</i> , 2006, 9, 475-477.	14.8	299
106	Synaptic scaling mediated by glial TNF- α . <i>Nature</i> , 2006, 440, 1054-1059.	27.8	1,473
107	NEURAL MECHANISMS OF ADDICTION: The Role of Reward-Related Learning and Memory. <i>Annual Review of Neuroscience</i> , 2006, 29, 565-598.	10.7	2,489
108	Substrate Localization Creates Specificity in Calcium/Calmodulin-dependent Protein Kinase II Signaling at Synapses. <i>Journal of Biological Chemistry</i> , 2006, 281, 13794-13804.	3.4	38

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109	Distinct triggering and expression mechanisms underlie LTD of AMPA and NMDA synaptic responses. <i>Nature Neuroscience</i> , 2005, 8, 1043-1050.	14.8	169
110	The role of synaptic plasticity in addiction. <i>Clinical Neuroscience Research</i> , 2005, 5, 141-146.	0.8	6
111	Differential Regulation of AMPA Receptor and GABA Receptor Trafficking by Tumor Necrosis Factor- α . <i>Journal of Neuroscience</i> , 2005, 25, 3219-3228.	3.6	834
112	Acute and Chronic Cocaine-Induced Potentiation of Synaptic Strength in the Ventral Tegmental Area: Electrophysiological and Behavioral Correlates in Individual Rats. <i>Journal of Neuroscience</i> , 2004, 24, 7482-7490.	3.6	523
113	Activity-dependent regulation of dendritic synthesis and trafficking of AMPA receptors. <i>Nature Neuroscience</i> , 2004, 7, 244-253.	14.8	477
114	LTP and LTD. <i>Neuron</i> , 2004, 44, 5-21.	8.1	3,364
115	Synaptic Plasticity and AMPA Receptor Trafficking. <i>Annals of the New York Academy of Sciences</i> , 2003, 1003, 1-11.	3.8	296
116	The long-term potential of LTP. <i>Nature Reviews Neuroscience</i> , 2003, 4, 923-926.	10.2	189
117	A developmental switch in the signaling cascades for LTP induction. <i>Nature Neuroscience</i> , 2003, 6, 15-16.	14.8	282
118	Drugs of Abuse and Stress Trigger a Common Synaptic Adaptation in Dopamine Neurons. <i>Neuron</i> , 2003, 37, 577-582.	8.1	1,334
119	Synaptic plasticity in the mesolimbic dopamine system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 815-819.	4.0	110
120	AMPA Receptor Trafficking and Synaptic Plasticity. <i>Annual Review of Neuroscience</i> , 2002, 25, 103-126.	10.7	2,275
121	NIH Workshop Report. <i>Neuron</i> , 2002, 36, 29-30.	8.1	8
122	RIM1 α is required for presynaptic long-term potentiation. <i>Nature</i> , 2002, 415, 327-330.	27.8	377
123	Regulation of Synaptic Strength by Protein Phosphatase 1. <i>Neuron</i> , 2001, 32, 1133-1148.	8.1	209
124	NMDAR EPSC kinetics do not regulate the critical period for LTP at thalamocortical synapses. <i>Nature Neuroscience</i> , 2001, 4, 235-236.	14.8	162
125	Long-term depression in the nucleus accumbens: a neural correlate of behavioral sensitization to cocaine. <i>Nature Neuroscience</i> , 2001, 4, 1217-1223.	14.8	615
126	Role of ampa receptor endocytosis in synaptic plasticity. <i>Nature Reviews Neuroscience</i> , 2001, 2, 315-324.	10.2	396

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127	Single cocaine exposure in vivo induces long-term potentiation in dopamine neurons. <i>Nature</i> , 2001, 411, 583-587.	27.8	1,277
128	Addiction and the brain: The neurobiology of compulsion and its persistence. <i>Nature Reviews Neuroscience</i> , 2001, 2, 695-703.	10.2	1,147
129	Delivering the goods to synapses. <i>Nature Neuroscience</i> , 2000, 3, 1064-1066.	14.8	6
130	Regulation of AMPA receptor endocytosis by a signaling mechanism shared with LTD. <i>Nature Neuroscience</i> , 2000, 3, 1291-1300.	14.8	660
131	Dopaminergic Modulation of Neuronal Excitability in the Striatum and Nucleus Accumbens. <i>Annual Review of Neuroscience</i> , 2000, 23, 185-215.	10.7	823
132	Rabphilin Knock-Out Mice Reveal That Rabphilin Is Not Required for Rab3 Function in Regulating Neurotransmitter Release. <i>Journal of Neuroscience</i> , 1999, 19, 5834-5846.	3.6	162
133	An Immunocytochemical Assay for Activity-Dependent Redistribution of Glutamate Receptors from the Postsynaptic Plasma Membrane. <i>Annals of the New York Academy of Sciences</i> , 1999, 868, 550-553.	3.8	6
134	Rapid redistribution of glutamate receptors contributes to long-term depression in hippocampal cultures. <i>Nature Neuroscience</i> , 1999, 2, 454-460.	14.8	411
135	Role of AMPA Receptor Cycling in Synaptic Transmission and Plasticity. <i>Neuron</i> , 1999, 24, 649-658.	8.1	641
136	Long-term depression with a flash. <i>Nature Neuroscience</i> , 1998, 1, 89-90.	14.8	7
137	Is bigger better?. <i>Nature</i> , 1998, 396, 414-415.	27.8	6
138	Postsynaptic Membrane Fusion and Long-Term Potentiation. <i>Science</i> , 1998, 279, 399-403.	12.6	416
139	Development of Excitatory Circuitry in the Hippocampus. <i>Journal of Neurophysiology</i> , 1998, 79, 2013-2024.	1.8	238
140	Modulation of Synaptic Transmission by Dopamine and Norepinephrine in Ventral but not Dorsal Striatum. <i>Journal of Neurophysiology</i> , 1998, 79, 1768-1776.	1.8	143
141	NEUROSCIENCE: Learning Mechanisms: The Case for CaM-KII. <i>Science</i> , 1997, 276, 2001-2002.	12.6	130
142	Two Distinct Forms of Long-Term Depression Coexist in CA1 Hippocampal Pyramidal Cells. <i>Neuron</i> , 1997, 18, 969-982.	8.1	490
143	Dopamine Depresses Excitatory and Inhibitory Synaptic Transmission by Distinct Mechanisms in the Nucleus Accumbens. <i>Journal of Neuroscience</i> , 1997, 17, 5697-5710.	3.6	184
144	Never fear, LTP is hear. <i>Nature</i> , 1997, 390, 552-553.	27.8	32

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145	Use-dependent increases in glutamate concentration activate presynaptic metabotropic glutamate receptors. <i>Nature</i> , 1997, 385, 630-634.	27.8	436
146	Kainate receptors mediate a slow postsynaptic current in hippocampal CA3 neurons. <i>Nature</i> , 1997, 388, 182-186.	27.8	504
147	Long-distance long-term depression. <i>Nature</i> , 1997, 388, 427-428.	27.8	9
148	Rab3A is essential for mossy fibre long-term potentiation in the hippocampus. <i>Nature</i> , 1997, 388, 590-593.	27.8	336
149	Cyclic AMP Mediates a Presynaptic Form of LTP at Cerebellar Parallel Fiber Synapses. <i>Neuron</i> , 1996, 16, 797-803.	8.1	382
150	Ca ²⁺ Signaling Requirements for Long-Term Depression in the Hippocampus. <i>Neuron</i> , 1996, 16, 825-833.	8.1	403
151	Long-Term Potentiation in Cultures of Single Hippocampal Granule Cells: A Presynaptic Form of Plasticity. <i>Neuron</i> , 1996, 16, 1147-1157.	8.1	145
152	Role of intercellular interactions in heterosynaptic long-term depression. <i>Nature</i> , 1996, 380, 446-450.	27.8	112
153	A critical period for long-term potentiation at thalamocortical synapses. <i>Nature</i> , 1995, 375, 325-328.	27.8	644
154	Essential functions of synapsins I and II in synaptic vesicle regulation. <i>Nature</i> , 1995, 375, 488-493.	27.8	708
155	Contrasting properties of two forms of long-term potentiation in the hippocampus. <i>Nature</i> , 1995, 377, 115-118.	27.8	831
156	Independent mechanisms for long-term depression of AMPA and NMDA responses. <i>Neuron</i> , 1995, 15, 417-426.	8.1	125
157	Evidence for silent synapses: Implications for the expression of LTP. <i>Neuron</i> , 1995, 15, 427-434.	8.1	1,147
158	Simultaneous LTP of non-NMDA- and LTD of NMDA-receptor-mediated responses in the nucleus accumbens. <i>Nature</i> , 1994, 368, 242-246.	27.8	194
159	Involvement of a calcineurin/ inhibitor-1 phosphatase cascade in hippocampal long-term depression. <i>Nature</i> , 1994, 369, 486-488.	27.8	1,018
160	Mucking up movements. <i>Nature</i> , 1994, 372, 218-219.	27.8	12
161	Synaptic plasticity in the hippocampus: LTP and LTD. <i>Cell</i> , 1994, 78, 535-538.	28.9	596
162	Synaptic plasticity: LTP and LTD. <i>Current Opinion in Neurobiology</i> , 1994, 4, 389-399.	4.2	1,195

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163	NMDA-receptor-dependent synaptic plasticity: multiple forms and mechanisms. Trends in Neurosciences, 1993, 16, 521-527.	8.6	820
164	Temporal limits on the rise in postsynaptic calcium required for the induction of long-term potentiation. Neuron, 1992, 9, 121-128.	8.1	241
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168	NMDA application potentiates synaptic transmission in the hippocampus. Nature, 1988, 334, 250-252.	27.8	462
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170	Phorbol esters block a voltage-sensitive chloride current in hippocampal pyramidal cells. Nature, 1986, 321, 695-697.	27.8	224