Robert C Malenka

List of Publications by Year
in descending order

170 papers	60,760 citations	1981 104 h-index	5622 168 g-index
188 all docs	188 docs citations	188 times ranked	43155 citing authors

#	Article	IF	Citations
1	Neural circuits regulating prosocial behaviors. Neuropsychopharmacology, 2023, 48, 79-89.	2.8	23
2	Somatodendritic Release of Cholecystokinin Potentiates GABAergic Synapses Onto Ventral Tegmental Area Dopamine Cells. Biological Psychiatry, 2023, 93, 197-208.	0.7	9
3	Local accumbens inÂvivo imaging during deep brain stimulation reveals a strategy-dependent amelioration of hedonic feeding. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	10
4	Aberrant impulse control circuitry in obesity. Molecular Psychiatry, 2022, 27, 3374-3384.	4.1	6
5	Better living through chemistry: MDMAâ€™s prosocial mechanism as a starting point for improved therapeutics. Neuropsychopharmacology, 2021, 46, 261-261.	2.8	6
6	Dissecting neural mechanisms of prosocial behaviors. Current Opinion in Neurobiology, 2021, 68, 9-14.	2.0	15
7	Anterior cingulate inputs to nucleus accumbens control the social transfer of pain and analgesia. Science, 2021, 371, 153-159.	6.0	179
8	Accumbens coordinated reset stimulation in mice exhibits ameliorating aftereffects on binge alcohol drinking. Brain Stimulation, 2021, 14, 330-334.	0.7	9
9	Input-specific modulation of murine nucleus accumbens differentially regulates hedonic feeding. Nature Communications, 2021, 12, 2135.	5.8	35
10	Selective filtering of excitatory inputs to nucleus accumbens by dopamine and serotonin. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	23
11	Systemic enhancement of serotonin signaling reverses social deficits in multiple mouse models for ASD. Neuropsychopharmacology, 2021, 46, 2000-2010.	2.8	21
12	5-HT modulation of a medial septal circuit tunes social memory stability. Nature, 2021, 599, 96-101.	13.7	47
13	Continuous and Discrete Neuron Types of the Adult Murine Striatum. Neuron, 2020, 105, 688-699.e8.	3.8	92
14	Brain-Responsive Neurostimulation for Loss of Control Eating: Early Feasibility Study. Neurosurgery, 2020, 87, 1277-1288.	0.6	16
15	Deep posteromedial cortical rhythm in dissociation. Nature, 2020, 586, 87-94.	13.7	145
16	A Molecular Calcium Integrator Reveals a Striatal Cell Type Driving Aversion. Cell, 2020, 183, 2003-2019.e16.	13.5	40
17	Loss of the neural-specific BAF subunit ACTL6B relieves repression of early response genes and causes recessive autism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10055-10066.	3.3	34
18	Amygdala-Midbrain Connections Modulate Appetitive and Aversive Learning. Neuron, 2020, 106, 1026-1043.e9.	3.8	70

#	Article	IF	Citations
19	Long-term potentiation is independent of the C-tail of the GluA1 AMPA receptor subunit. ELife, 2020, 9, .	2.8	25
20	Disruptive Psychopharmacology. JAMA Psychiatry, 2019, 76, 775.	6.0	20
21	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. Neuron, 2019, 103, 217-234.e4.	3.8	518
22	Neuroligin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. Neuron, 2019, 102, 621-635.e3.	3.8	67
23	Complementary Genetic Targeting and Monosynaptic Input Mapping Reveal Recruitment and Refinement of Distributed Corticostriatal Ensembles by Cocaine. Neuron, 2019, 104, 916-930.e5.	3.8	34
24	Electrical and synaptic integration of glioma into neural circuits. Nature, 2019, 573, 539-545.	13.7	706
25	Distinct neural mechanisms for the prosocial and rewarding properties of MDMA. Science Translational Medicine, 2019, 11, .	5.8	56
26	Topological Organization of Ventral Tegmental Area Connectivity Revealed by Viral-Genetic Dissection of Input-Output Relations. Cell Reports, 2019, 26, 159-167.e6.	2.9	81
27	Closing the loop on impulsivity via nucleus accumbens delta-band activity in mice and man. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 192-197.	3.3	80
28	Nucleus Accumbens Modulation in Reward and Aversion. Cold Spring Harbor Symposia on Quantitative Biology, 2018, 83, 119-129.	2.0	67
29	Deletion of <i>LRRTM1 and LRRTM2</i> in adult mice impairs basal AMPA receptor transmission and LTP in hippocampal CA1 pyramidal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5382-E5389.	3.3	51
30	Parallel circuits from the bed nuclei of stria terminalis to the lateral hypothalamus drive opposing emotional states. Nature Neuroscience, 2018, 21, 1084-1095.	7.1	185
31	Cocaine-Induced Structural Plasticity in Input Regions to Distinct Cell Types in Nucleus Accumbens. Biological Psychiatry, 2018, 84, 893-904.	0.7	47
32	5-HT release in nucleus accumbens rescues social deficits in mouse autism model. Nature, 2018, 560, 589-594.	13.7	169
33	Modulation of excitation on parvalbumin interneurons by neuroligin-3 regulates the hippocampal network. Nature Neuroscience, 2017, 20, 219-229.	7.1	71
34	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. Neuron, 2017, 93, 822-839.e6.	3.8	250
35	The Retromer Supports AMPA Receptor Trafficking During LTP. Neuron, 2017, 94, 74-82.e5.	3.8	74
36	Postsynaptic synaptotagmins mediate AMPA receptor exocytosis during LTP. Nature, 2017, 544, 316-321.	13.7	153

#	Article	IF	Citations
37	Postsynaptic adhesion GPCR latrophilin-2 mediates target recognition in entorhinal-hippocampal synapse assembly. Journal of Cell Biology, 2017, 216, 3831-3846.	2.3	86
38	Gating of social reward by oxytocin in the ventral tegmental area. Science, 2017, 357, 1406-1411.	6.0	414
39	Rabies screen reveals GPe control of cocaine-triggered plasticity. Nature, 2017, 549, 345-350.	13.7	94
40	MDMA as a Probe and Treatment for Social Behaviors. Cell, 2016, 166, 269-272.	13.5	32
41	Cellular Taxonomy of the Mouse Striatum as Revealed by Single-Cell RNA-Seq. Cell Reports, 2016, 16, 1126-1137.	2.9	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. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 822-829.	3.3	197
44	From Synapses to Behavior: What Rodent Models Can Tell Us About Neuropsychiatric Disease. Biological Psychiatry, 2016, 79, 4-6.	0.7	6
45	æ²»ç™'æ³•æ"¹å–„ã®ãŸã'ã®æœ€å–„ã®æˆ¦ç•¥ã¨ã¯. Nature Digest, 2015, 12, 28-30.	0.0	0
46	Optogenetics and the Circuit Dynamics of Psychiatric Disease. JAMA - Journal of the American Medical Association, 2015, 313, 2019.	3.8	39
47	Excitatory transmission at thalamo-striatal synapses mediates susceptibility to social stress. Nature Neuroscience, 2015, 18, 962-964.	7.1	86
48	B-Lymphocyte-Mediated Delayed Cognitive Impairment following Stroke. Journal of Neuroscience, 2015, 35, 2133-2145.	1.7	257
49	Diversity of Transgenic Mouse Models for Selective Targeting of Midbrain Dopamine Neurons. Neuron, 2015, 85, 429-438.	3.8	285
50	Intact-Brain Analyses Reveal Distinct Information Carried by SNc Dopamine Subcircuits. Cell, 2015, 162, 635-647.	13.5	608
51	Circuit Architecture of VTA Dopamine Neurons Revealed by Systematic Input-Output Mapping. Cell, 2015, 162, 622-634.	13.5	777
52	Î²-Neurexins Control Neural Circuits by Regulating Synaptic Endocannabinoid Signaling. Cell, 2015, 162, 593-606.	13.5	123
53	Viral-genetic tracing of the inputâ€"output organization of a central noradrenaline circuit. Nature, 2015, 524, 88-92.	13.7	601
54	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. Neuron, 2015, 87, 326-340.	3.8	144

#	Article	IF	Citations
55	Neuronal Activity Promotes Glioma Growth through Neuroligin-3 Secretion. Cell, 2015, 161, 803-816.	13.5	550
56	Synaptic Function of Rab11Fip5: Selective Requirement for Hippocampal Long-Term Depression. Journal of Neuroscience, 2015, 35, 7460-7474.	1.7	21
57	Retinoic Acid and LTP Recruit Postsynaptic AMPA Receptors Using Distinct SNARE-Dependent Mechanisms. Neuron, 2015, 86, 442-456.	3.8	72
58	Input- and Output-Specific Regulation of Serial Order Performance by Corticostriatal Circuits. Neuron, 2015, 88, 345-356.	3.8	108
59	Optogenetics: 10 years after ChR2 in neuronsâ€"views from the community. Nature Neuroscience, 2015, 18, 1202-1212.	7.1	122
60	Illuminating circuitry relevant to psychiatric disorders with optogenetics. Current Opinion in Neurobiology, 2015, 30, 9-16.	2.0	76
61	Synaptotagmin-1 and -7 Are Redundantly Essential for Maintaining the Capacity of the Readily-Releasable Pool of Synaptic Vesicles. PLoS Biology, 2015, 13, e1002267.	2.6	71
62	Reward and aversion in a heterogeneous midbrain dopamine system. Neuropharmacology, 2014, 76, 351-359.	2.0	606
63	Cav1.3 channels control D2-autoreceptor responses via NCS-1 in substantia nigra dopamine neurons. Brain, 2014, 137, 2287-2302.	3.7	103
64	The best way forward. Nature, 2014, 515, 200-201.	13.7	90
65	Natural Neural Projection Dynamics Underlying Social Behavior. Cell, 2014, 157, 1535-1551.	13.5	1,121
66	Autism-Associated Neuroligin-3 Mutations Commonly Impair Striatal Circuits to Boost Repetitive Behaviors. Cell, 2014, 158, 198-212.	13.5	397
67	Decreased motivation during chronic pain requires long-term depression in the nucleus accumbens. Science, 2014, 345, 535-542.	6.0	233
68	The Emerging Role of Nucleus Accumbens Oxytocin in Social Cognition. Biological Psychiatry, 2014, 76, 354-355.	0.7	38
69	Behavioral Abnormalities and Circuit Defects in the Basal Ganglia of a Mouse Model of 16p11.2 Deletion Syndrome. Cell Reports, 2014, 7, 1077-1092.	2.9	208
70	Leucine-Rich Repeat Transmembrane Proteins Are Essential for Maintenance of Long-Term Potentiation. Neuron, 2013, 79, 439-446.	3.8	66
71	Social reward requires coordinated activity of nucleus accumbens oxytocin and serotonin. Nature, 2013, 501, 179-184.	13.7	960
72	Rapid Release Revealed: Honoring the Synapse. Cell, 2013, 154, 1171-1174.	13.5	1

#	Article	IF	Citations
73	LTP Requires a Unique Postsynaptic SNARE Fusion Machinery. Neuron, 2013, 77, 542-558.	3.8	192
74	Diverging neural pathways assemble a behavioural state from separable features in anxiety. Nature, 2013, 496, 219-223.	13.7	543
75	Autism-Associated Neuroligin-3 Mutations Commonly Disrupt Tonic Endocannabinoid Signaling. Neuron, 2013, 78, 498-509.	3.8	247
76	Presynaptic Neurexin-3 Alternative Splicing trans-Synaptically Controls Postsynaptic AMPA Receptor Trafficking. Cell, 2013, 154, 75-88.	13.5	246
77	â^†FosB differentially modulates nucleus accumbens direct and indirect pathway function. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1923-1928.	3.3	167
78	A Comparison of Striatal-Dependent Behaviors in Wild-Type and Hemizygous Drd1a and Drd2 BAC Transgenic Mice. Journal of Neuroscience, 2012, 32, 9119-9123.	1.7	52
79	Input-specific control of reward and aversion in the ventral tegmental area. Nature, 2012, 491, 212-217.	13.7	1,062
80	NMDA Receptor-Dependent Long-Term Potentiation and Long-Term Depression (LTP/LTD). Cold Spring Harbor Perspectives in Biology, 2012, 4, a005710-a005710.	2.3	720
81	Postsynaptic Complexin Controls AMPA Receptor Exocytosis during LTP. Neuron, 2012, 73, 260-267.	3.8	118
82	Anhedonia requires MC4R-mediated synaptic adaptations in nucleus accumbens. Nature, 2012, 487, 183-189.	13.7	311
83	Drug-Evoked Synaptic Plasticity in Addiction: From Molecular Changes to Circuit Remodeling. Neuron, 2011, 69, 650-663.	3.8	896
84	Projection-Specific Modulation of Dopamine Neuron Synapses by Aversive and Rewarding Stimuli. Neuron, 2011, 70, 855-862.	3.8	642
85	Recollection of lost memories. Nature, 2011, 469, 44-45.	13.7	19
86	Neuroligins/LRRTMs prevent activity- and Ca2+/calmodulin-dependent synapse elimination in cultured neurons. Journal of Cell Biology, 2011, 194, 323-334.	2.3	88
87	The neurexin ligands, neuroligins and leucine-rich repeat transmembrane proteins, perform convergent and divergent synaptic functions in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16502-16509.	3.3	124
88	Autism-linked neuroligin-3 R451C mutation differentially alters hippocampal and cortical synaptic function. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13764-13769.	3.3	296
89	A calcineurin/AKAP complex is required for NMDA receptorâ€"dependent long-term depression. Nature Neuroscience, 2010, 13, 1053-1055.	7.1	92
90	Postsynaptic TRPV1 triggers cell typeâ€"specific long-term depression in the nucleus accumbens. Nature Neuroscience, 2010, 13, 1519-1525.	7.1	302

#	Article	IF	Citations
91	Calcium Binding to PICK1 Is Essential for the Intracellular Retention of AMPA Receptors Underlying Long-Term Depression. Journal of Neuroscience, 2010, 30, 16437-16452.	1.7	105
92	The addicted synapse: mechanisms of synaptic and structural plasticity in nucleus accumbens. Trends in Neurosciences, 2010, 33, 267-276.	4.2	566
93	A critical role for PSD-95/AKAP interactions in endocytosis of synaptic AMPA receptors. Nature Neuroscience, 2009, 12, 172-181.	7.1	160
94	LRRTM2 Functions as a Neurexin Ligand in Promoting Excitatory Synapse Formation. Neuron, 2009, 64, 791-798.	3.8	315
95	Synaptic Plasticity: Multiple Forms, Functions, and Mechanisms. Neuropsychopharmacology, 2008, 33, 18-41.	2.8	1,434
96	Molecular Dissociation of the Role of PSD-95 in Regulating Synaptic Strength and LTD. Neuron, 2008, 57, 248-262.	3.8	161
97	Striatal Plasticity and Basal Ganglia Circuit Function. Neuron, 2008, 60, 543-554.	3.8	855
98	Mechanism and Time Course of Cocaine-Induced Long-Term Potentiation in the Ventral Tegmental Area. Journal of Neuroscience, 2008, 28, 9092-9100.	1.7	462
99	Spike Timing-Dependent Long-Term Potentiation in Ventral Tegmental Area Dopamine Cells Requires PKC. Journal of Neurophysiology, 2008, 100, 533-538.	0.9	44
100	Mechanisms Underlying Dedepression of Synaptic NMDA Receptors in the Hippocampus. Journal of Neurophysiology, 2008, 99, 254-263.	0.9	8
101	Activation of NR2B-containing NMDA receptors is not required for NMDA receptor-dependent long-term depression. Neuropharmacology, 2007, 52, 71-76.	2.0	199
102	Synaptic plasticity and addiction. Nature Reviews Neuroscience, 2007, 8, 844-858.	4.9	1,402
103	Alternative N-Terminal Domains of PSD-95 and SAP97 Govern Activity-Dependent Regulation of Synaptic AMPA Receptor Function. Neuron, 2006, 51, 99-111.	3.8	209
104	LTP: AMPA receptors trading places. Nature Neuroscience, 2006, 9, 593-594.	7.1	23
105	CREB modulates excitability of nucleus accumbens neurons. Nature Neuroscience, 2006, 9, 475-477.	7.1	299
106	Synaptic scaling mediated by glial TNF-Î±. Nature, 2006, 440, 1054-1059.	13.7	1,473
107	NEURAL MECHANISMS OF ADDICTION: The Role of Reward-Related Learning and Memory. Annual Review of Neuroscience, 2006, 29, 565-598.	5.0	2,489
108	Substrate Localization Creates Specificity in Calcium/Calmodulin-dependent Protein Kinase II Signaling at Synapses. Journal of Biological Chemistry, 2006, 281, 13794-13804.	1.6	38

#	Article	IF	Citations
109	Distinct triggering and expression mechanisms underlie LTD of AMPA and NMDA synaptic responses. Nature Neuroscience, 2005, 8, 1043-1050.	7.1	169
110	The role of synaptic plasticity in addiction. Clinical Neuroscience Research, 2005, 5, 141-146.	0.8	6
111	Differential Regulation of AMPA Receptor and GABA Receptor Trafficking by Tumor Necrosis Factor-Â. Journal of Neuroscience, 2005, 25, 3219-3228.	1.7	834
112	Acute and Chronic Cocaine-Induced Potentiation of Synaptic Strength in the Ventral Tegmental Area: Electrophysiological and Behavioral Correlates in Individual Rats. Journal of Neuroscience, 2004, 24, 7482-7490.	1.7	523
113	Activity-dependent regulation of dendritic synthesis and trafficking of AMPA receptors. Nature Neuroscience, 2004, 7, 244-253.	7.1	477
114	LTP and LTD. Neuron, 2004, 44, 5-21.	3.8	3,364
115	Synaptic Plasticity and AMPA Receptor Trafficking. Annals of the New York Academy of Sciences, 2003, 1003, 1-11.	1.8	296
116	The long-term potential of LTP. Nature Reviews Neuroscience, 2003, 4, 923-926.	4.9	189
117	A developmental switch in the signaling cascades for LTP induction. Nature Neuroscience, 2003, 6, 15-16.	7.1	282
118	Drugs of Abuse and Stress Trigger a Common Synaptic Adaptation in Dopamine Neurons. Neuron, 2003, 37, 577-582.	3.8	1,334
119	Synaptic plasticity in the mesolimbic dopamine system. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 815-819.	1.8	110
120	AMPA Receptor Trafficking and Synaptic Plasticity. Annual Review of Neuroscience, 2002, 25, 103-126.	5.0	2,275
121	NIH Workshop Report. Neuron, 2002, 36, 29-30.	3.8	8
122	RIM1Î± is required for presynaptic long-term potentiation. Nature, 2002, 415, 327-330.	13.7	377
123	Regulation of Synaptic Strength by Protein Phosphatase 1. Neuron, 2001, 32, 1133-1148.	3.8	209
124	NMDAR EPSC kinetics do not regulate the critical period for LTP at thalamocortical synapses. Nature Neuroscience, 2001, 4, 235-236.	7.1	162
125	Long-term depression in the nucleus accumbens: a neural correlate of behavioral sensitization to cocaine. Nature Neuroscience, 2001, 4, 1217-1223.	7.1	615
126	Role of ampa receptor endocytosis in synaptic plasticity. Nature Reviews Neuroscience, 2001, 2, 315-324.	4.9	396

#	Article	IF	Citations
127	Single cocaine exposure in vivo induces long-term potentiation in dopamine neurons. Nature, 2001, 411, 583-587.	13.7	1,277
128	Addiction and the brain: The neurobiology of compulsion and its persistence. Nature Reviews Neuroscience, 2001, 2, 695-703.	4.9	1,147
129	Delivering the goods to synapses. Nature Neuroscience, 2000, 3, 1064-1066.	7.1	6
130	Regulation of AMPA receptor endocytosis by a signaling mechanism shared with LTD. Nature Neuroscience, 2000, 3, 1291-1300.	7.1	660
131	Dopaminergic Modulation of Neuronal Excitability in the Striatum and Nucleus Accumbens. Annual Review of Neuroscience, 2000, 23, 185-215.	5.0	823
132	Rabphilin Knock-Out Mice Reveal That Rabphilin Is Not Required for Rab3 Function in Regulating Neurotransmitter Release. Journal of Neuroscience, 1999, 19, 5834-5846.	1.7	162
133	An Immunocytochemical Assay for Activity-Dependent Redistribution of Glutamate Receptors from the Postsynaptic Plasma Membrane. Annals of the New York Academy of Sciences, 1999, 868, 550-553.	1.8	6
134	Rapid redistribution of glutamate receptors contributes to long-term depression in hippocampal cultures. Nature Neuroscience, 1999, 2, 454-460.	7.1	411
135	Role of AMPA Receptor Cycling in Synaptic Transmission and Plasticity. Neuron, 1999, 24, 649-658.	3.8	641
136	Long-term depression with a flash. Nature Neuroscience, 1998, 1, 89-90.	7.1	7
137	Is bigger better?. Nature, 1998, 396, 414-415.	13.7	6
138	Postsynaptic Membrane Fusion and Long-Term Potentiation. Science, 1998, 279, 399-403.	6.0	416
139	Development of Excitatory Circuitry in the Hippocampus. Journal of Neurophysiology, 1998, 79, 2013-2024.	0.9	238
140	Modulation of Synaptic Transmission by Dopamine and Norepinephrine in Ventral but not Dorsal Striatum. Journal of Neurophysiology, 1998, 79, 1768-1776.	0.9	143
141	NEUROSCIENCE: Learning Mechanisms: The Case for CaM-KII. Science, 1997, 276, 2001-2002.	6.0	130
142	Two Distinct Forms of Long-Term Depression Coexist in CA1 Hippocampal Pyramidal Cells. Neuron, 1997, 18, 969-982.	3.8	490
143	Dopamine Depresses Excitatory and Inhibitory Synaptic Transmission by Distinct Mechanisms in the Nucleus Accumbens. Journal of Neuroscience, 1997, 17, 5697-5710.	1.7	184
144	Never fear, LTP is hear. Nature, 1997, 390, 552-553.	13.7	32

#	Article	IF	Citations
145	Use-dependent increases in glutamate concentration activate presynaptic metabotropic glutamate receptors. Nature, 1997, 385, 630-634.	13.7	436
146	Kainate receptors mediate a slow postsynaptic current in hippocampal CA3 neurons. Nature, 1997, 388, 182-186.	13.7	504
147	Long-distance long-term depression. Nature, 1997, 388, 427-428.	13.7	9
148	Rab3A is essential for mossy fibre long-term potentiation in the hippocampus. Nature, 1997, 388, 590-593.	13.7	336
149	Cyclic AMP Mediates a Presynaptic Form of LTP at Cerebellar Parallel Fiber Synapses. Neuron, 1996, 16, 797-803.	3.8	382
150	Ca2+ Signaling Requirements for Long-Term Depression in the Hippocampus. Neuron, 1996, 16, 825-833.	3.8	403
151	Long-Term Potentiation in Cultures of Single Hippocampal Granule Cells: A Presynaptic Form of Plasticity. Neuron, 1996, 16, 1147-1157.	3.8	145
152	Role of intercellular interactions in heterosynaptic long-term depression. Nature, 1996, 380, 446-450.	13.7	112
153	A critical period for long-term potentiation at thalamocortical synapses. Nature, 1995, 375, 325-328.	13.7	644
154	Essential functions of synapsins I and II in synaptic vesicle regulation. Nature, 1995, 375, 488-493.	13.7	708
155	Contrasting properties of two forms of long-term potentiation in the hippocampus. Nature, 1995, 377, 115-118.	13.7	831
156	Independent mechanisms for long-term depression of AMPA and NMDA responses. Neuron, 1995, 15, 417-426.	3.8	125
157	Evidence for silent synapses: Implications for the expression of LTP. Neuron, 1995, 15, 427-434.	3.8	1,147
158	Simultaneous LTP of non-NMDA- and LTD of NMDA-receptor-mediated responses in the nucleus accumbens. Nature, 1994, 368, 242-246.	13.7	194
159	Involvement of a calcineurin/ inhibitor-1 phosphatase cascade in hippocampal long-term depression. Nature, 1994, 369, 486-488.	13.7	1,018
160	Mucking up movements. Nature, 1994, 372, 218-219.	13.7	12
161	Synaptic plasticity in the hippocampus: LTP and LTD. Cell, 1994, 78, 535-538.	13.5	596
162	Synaptic plasticity: LTP and LTD. Current Opinion in Neurobiology, 1994, 4, 389-399.	2.0	1,195

#	Article	IF	Citations
163	NMDA-receptor-dependent synaptic plasticity: multiple forms and mechanisms. Trends in Neurosciences, 1993, 16, 521-527.	4.2	820
164	Temporal limits on the rise in postsynaptic calcium required for the induction of long-term potentiation. Neuron, 1992, 9, 121-128.	3.8	241
165	Mechanisms underlying induction of homosynaptic long-term depression in area CA1 of the hippocampus. Neuron, 1992, 9, 967-975.	3.8	1,029
166	Postsynaptic factors control the duration of synaptic enhancement in area CA1 of the hippocampus. Neuron, 1991, 6, 53-60.	3.8	300
167	An essential role for postsynaptic calmodulin and protein kinase activity in long-term potentiation. Nature, 1989, 340, 554-557.	13.7	1,079
168	NMDA application potentiates synaptic transmission in the hippocampus. Nature, 1988, 334, 250-252.	13.7	462
169	Potentiation of synaptic transmission in the hippocampus by phorbol esters. Nature, 1986, 321, 175-177.	13.7	668
170	Phorbol esters block a voltage-sensitive chloride current in hippocampal pyramidal cells. Nature, 1986, 321, 695-697.	13.7	224