Yu Tian Wang

List of Publications by Year in Descending Order

165 papers	23,642 citations	67 h-index	153 g-index
180 ext. papers	26,162 ext. citations	10.8 avg, IF	6.57 L-index

#	Paper	IF	Citations
165	The selective dopamine D receptor agonist SKF81297 modulates NMDA receptor currents independently of D receptors.. *Neuropharmacology*, **2022**, 207, 108967	5.5	0
164	Aagab acts as a novel regulator of NEDD4-1-mediated Pten nuclear translocation to promote neurological recovery following hypoxic-ischemic brain damage. *Cell Death and Differentiation*, **2021**, 28, 2367-2384	12.7	1
163	Disruption of Long-Term Depression Potentiates Latent Inhibition: Key Role for Central Nucleus of the Amygdala. *International Journal of Neuropsychopharmacology*, **2021**, 24, 580-591	5.8	
162	LTD is involved in the formation and maintenance of rat hippocampal CA1 place-cell fields. *Nature Communications*, **2021**, 12, 100	17.4	5
161	Development of an □synuclein knockdown peptide and evaluation of its efficacy in Parkinson's disease models. *Communications Biology*, **2021**, 4, 232	6.7	5
160	GluA1-homomeric AMPA receptor in synaptic plasticity and neurological diseases. *Neuropharmacology*, **2021**, 197, 108708	5.5	4
159	AMPA and NMDA Receptor Trafficking at Cocaine-Generated Synapses. *Journal of Neuroscience*, **2021**, 41, 1996-2011	6.6	4
158	An Erbin Story: Amygdala Excitation-Inhibition Balance in Anxiety. *Biological Psychiatry*, **2020**, 87, 872-874	7.9	
157	Molecular interactions between monoclonal oligomer-specific antibody 5E3 and its amyloid beta cognates. *PLoS ONE*, **2020**, 15, e0232266	3.7	
156	Ketamine and its metabolite, (2R,6R)-HNK, restore hippocampal LTP and long-term spatial memory in the Wistar-Kyoto rat model of depression. *Molecular Brain*, **2020**, 13, 92	4.5	17
155	TRPV1 activation alleviates cognitive and synaptic plasticity impairments through inhibiting AMPAR endocytosis in APP23/PS45 mouse model of Alzheimer's disease. *Aging Cell*, **2020**, 19, e13113	9.9	27
154	Pharmacological properties of TRPM3 isoforms are determined by the length of the pore loop. *British Journal of Pharmacology*, **2020**,	8.6	4
153	NMDARs in Cell Survival and Death: Implications in Stroke Pathogenesis and Treatment. *Trends in Molecular Medicine*, **2020**, 26, 533-551	11.5	21
152	p97 regulates GluA1 homomeric AMPA receptor formation and plasma membrane expression. *Nature Communications*, **2019**, 10, 4089	17.4	7
151	Evaluation of the Wistar-Kyoto rat model of depression and the role of synaptic plasticity in depression and antidepressant response. *Neuroscience and Biobehavioral Reviews*, **2019**, 105, 1-23	9	26
150	Pathophysiology of and therapeutic options for a GABRA1 variant linked to epileptic encephalopathy. *Molecular Brain*, **2019**, 12, 92	4.5	4
149	MKP-1 reduces A□generation and alleviates cognitive impairments in Alzheimer's disease models. *Signal Transduction and Targeted Therapy*, **2019**, 4, 58	21	31

148	Synaptotagmin-3 drives AMPA receptor endocytosis, depression of synapse strength, and forgetting. *Science*, **2019**, 363,	33.3	53
147	Food allergy induces alteration in brain inflammatory status and cognitive impairments. *Behavioural Brain Research*, **2019**, 364, 374-382	3.4	8
146	Facilitated AMPAR endocytosis causally contributes to the maternal sleep deprivation-induced impairments of synaptic plasticity and cognition in the offspring rats. *Neuropharmacology*, **2018**, 133, 155-162	5.5	9
145	Low-Frequency rTMS Ameliorates Autistic-Like Behaviors in Rats Induced by Neonatal Isolation Through Regulating the Synaptic GABA Transmission. *Frontiers in Cellular Neuroscience*, **2018**, 12, 46	6.1	14
144	Neuroprotective Effects of Ginsenoside Rf on Amyloid-β-Induced Neurotoxicity in vitro and in vivo. *Journal of Alzheimer's Disease*, **2018**, 64, 309-322	4.3	30
143	Activation of caspase-6 and cleavage of caspase-6 substrates is an early event in NMDA receptor-mediated excitotoxicity. *Journal of Neuroscience Research*, **2018**, 96, 391-406	4.4	9
142	Getting "Ras"-ults: Solving Molecular Promiscuity through Microdomain-Selective Targeting. *Neuron*, **2018**, 98, 675-678	13.9	
141	Loss of Synapse Repressor MDGA1 Enhances Perisomatic Inhibition, Confers Resistance to Network Excitation, and Impairs Cognitive Function. *Cell Reports*, **2017**, 21, 3637-3645	10.6	21
140	Antidepressant effects of ketamine and the roles of AMPA glutamate receptors and other mechanisms beyond NMDA receptor antagonism. *Journal of Psychiatry and Neuroscience*, **2017**, 42, 222-229	4.5	107
139	Hydroxynorketamine: Implications for the NMDA Receptor Hypothesis of Ketamine's Antidepressant Action. *Chronic Stress*, **2017**, 1,	3	7
138	Cognitive Deficits in Calsyntenin-2-deficient Mice Associated with Reduced GABAergic Transmission. *Neuropsychopharmacology*, **2016**, 41, 802-10	8.7	26
137	Neuroprotective strategies for NMDAR-mediated excitotoxicity in Huntington's Disease. *Frontiers in Biology*, **2016**, 11, 439-458		1
136	Opposing mechanisms mediate morphine- and cocaine-induced generation of silent synapses. *Nature Neuroscience*, **2016**, 19, 915-25	25.5	106
135	A Place at the Table: LTD as a Mediator of Memory Genesis. *Neuroscientist*, **2016**, 22, 359-71	7.6	37
134	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
133	Blocking Synaptic Removal of GluA2-Containing AMPA Receptors Prevents the Natural Forgetting of Long-Term Memories. *Journal of Neuroscience*, **2016**, 36, 3481-94	6.6	92
132	Molecular mechanisms of NMDA receptor-mediated excitotoxicity: implications for neuroprotective therapeutics for stroke. *Neural Regeneration Research*, **2016**, 11, 1752-1753	4.5	24
131	Maternal sleep deprivation at different stages of pregnancy impairs the emotional and cognitive functions, and suppresses hippocampal long-term potentiation in the offspring rats. *Molecular Brain*, **2016**, 9, 17	4.5	20

130	Altered Cortical Dynamics and Cognitive Function upon Haploinsufficiency of the Autism-Linked Excitatory Synaptic Suppressor MDGA2. *Neuron*, **2016**, 91, 1052-1068	13.9	45
129	Long-term potentiation decay and memory loss are mediated by AMPAR endocytosis. *Journal of Clinical Investigation*, **2015**, 125, 234-47	15.9	102
128	Mesoscale infraslow spontaneous membrane potential fluctuations recapitulate high-frequency activity cortical motifs. *Nature Communications*, **2015**, 6, 7738	17.4	62
127	Deletion of adenosine A2A receptors from astrocytes disrupts glutamate homeostasis leading to psychomotor and cognitive impairment: relevance to schizophrenia. *Biological Psychiatry*, **2015**, 78, 763-74	7.9	86
126	SNIPER peptide-mediated degradation of endogenous proteins. *Current Protocols in Chemical Biology*, **2015**, 7, 1-16	1.8	1
125	Allosteric modulation of GABAA receptors by extracellular ATP. *Molecular Brain*, **2014**, 7, 6	4.5	5
124	The maintenance of long-term memory in the hippocampus depends on the interaction between N-ethylmaleimide-sensitive factor and GluA2. *Hippocampus*, **2014**, 24, 1112-9	3.5	20
123	Excitotoxicity and stroke: identifying novel targets for neuroprotection. *Progress in Neurobiology*, **2014**, 115, 157-88	10.9	634
122	Rapid and reversible knockdown of endogenous proteins by peptide-directed lysosomal degradation. *Nature Neuroscience*, **2014**, 17, 471-80	25.5	81
121	Cognitive flexibility and long-term depression (LTD) are impaired following β-catenin stabilization in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 8631-6	11.5	59
120	Molecular level activation insights from a NR2A/NR2B agonist. *Journal of Biomolecular Structure and Dynamics*, **2014**, 32, 683-93	3.6	8
119	A microfluidic based in vitro model of synaptic competition. *Molecular and Cellular Neurosciences*, **2014**, 60, 43-52	4.8	27
118	GluA2-dependent AMPA receptor endocytosis and the decay of early and late long-term potentiation: possible mechanisms for forgetting of short- and long-term memories. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130141	5.8	48
117	The NMDA receptor complex: a multifunctional machine at the glutamatergic synapse. *Frontiers in Cellular Neuroscience*, **2014**, 8, 160	6.1	63
116	Lithium ameliorates autistic-like behaviors induced by neonatal isolation in rats. *Frontiers in Behavioral Neuroscience*, **2014**, 8, 234	3.5	32
115	Interference with AMPA receptor endocytosis: effects on behavioural and neurochemical correlates of amphetamine sensitization in male rats. *Journal of Psychiatry and Neuroscience*, **2014**, 39, 189-99	4.5	6
114	Spontaneous cortical activity alternates between motifs defined by regional axonal projections. *Nature Neuroscience*, **2013**, 16, 1426-35	25.5	248
113	An LRRTM4-HSPG complex mediates excitatory synapse development on dentate gyrus granule cells. *Neuron*, **2013**, 79, 680-95	13.9	119

112	The intersections of NMDAR-dependent synaptic plasticity and cell survival. *Neuropharmacology*, **2013**, 74, 59-68	5.5	38
111	Progranulin promotes activation of microglia/macrophage after pilocarpine-induced status epilepticus. *Brain Research*, **2013**, 1530, 54-65	3.7	19
110	The specific neurexin interactor calsyntenin-3 promotes excitatory and inhibitory synapse development. *Neuron*, **2013**, 80, 113-28	13.9	104
109	Simultaneous monitoring of presynaptic transmitter release and postsynaptic receptor trafficking reveals an enhancement of presynaptic activity in metabotropic glutamate receptor-mediated long-term depression. *Journal of Neuroscience*, **2013**, 33, 5867-5877	6.6	15
108	Critical role of increased PTEN nuclear translocation in excitotoxic and ischemic neuronal injuries. *Journal of Neuroscience*, **2013**, 33, 7997-8008	6.6	59
107	Hippocampal long-term depression mediates spatial reversal learning in the Morris water maze. *Neuropharmacology*, **2013**, 64, 65-73	5.5	151
106	Long-term potentiation promotes proliferation/survival and neuronal differentiation of neural stem/progenitor cells. *PLoS ONE*, **2013**, 8, e76860	3.7	18
105	Mitigation of augmented extrasynaptic NMDAR signaling and apoptosis in cortico-striatal co-cultures from Huntington's disease mice. *Neurobiology of Disease*, **2012**, 48, 40-51	7.5	52
104	A pivotal role of GSK-3 in synaptic plasticity. *Frontiers in Molecular Neuroscience*, **2012**, 5, 13	6.1	119
103	NMDA GluN2A and GluN2B receptors play separate roles in the induction of LTP and LTD in the amygdala and in the acquisition and extinction of conditioned fear. *Neuropharmacology*, **2012**, 62, 797-806	5.5	96
102	Facilitated extinction of morphine conditioned place preference with Tat-GluA2(3Y) interference peptide. *Behavioural Brain Research*, **2012**, 233, 389-97	3.4	17
101	Direct interaction between GluR2 and GAPDH regulates AMPAR-mediated excitotoxicity. *Molecular Brain*, **2012**, 5, 13	4.5	29
100	Directional gating of synaptic plasticity by GPCRs and their distinct downstream signalling pathways. *EMBO Journal*, **2012**, 31, 783-5	13	3
99	Mechanisms of hippocampal long-term depression are required for memory enhancement by novelty exploration. *Journal of Neuroscience*, **2012**, 32, 11980-90	6.6	62
98	Insulin, synaptic function, and opportunities for neuroprotection. *Progress in Molecular Biology and Translational Science*, **2011**, 98, 133-86	4	34
97	Sterol regulatory element binding protein-1 (SREBP1) activation in motor neurons in excitotoxicity and amyotrophic lateral sclerosis (ALS): Indip, a potential therapeutic peptide. *Biochemical and Biophysical Research Communications*, **2011**, 413, 159-63	3.4	12
96	Stroke intervention pathways: NMDA receptors and beyond. *Trends in Molecular Medicine*, **2011**, 17, 266-75	11.5	123
95	Postsynaptic TrkC and presynaptic PTP function as a bidirectional excitatory synaptic organizing complex. *Neuron*, **2011**, 69, 287-303	13.9	157

94	Illuminating synapse-specific homeostatic plasticity. *Neuron*, **2011**, 72, 682-5	13.9	2
93	The regulatory role of long-term depression in juvenile and adult mouse ocular dominance plasticity. *Scientific Reports*, **2011**, 1, 203	4.9	16
92	Activation of {beta}-adrenergic receptors facilitates heterosynaptic translation-dependent long-term potentiation. *Journal of Physiology*, **2011**, 589, 4321-40	3.9	35
91	Slice orientation and muscarinic acetylcholine receptor activation determine the involvement of N-methyl D-aspartate receptor subunit GluN2B in hippocampal area CA1 long-term depression. *Molecular Brain*, **2011**, 4, 41	4.5	15
90	Odor preference learning and memory modify GluA1 phosphorylation and GluA1 distribution in the neonate rat olfactory bulb: testing the AMPA receptor hypothesis in an appetitive learning model. *Learning and Memory*, **2011**, 18, 283-91	2.8	23
89	Disrupting protein complexes using Tat-tagged peptide mimics. *Methods in Molecular Biology*, **2011**, 756, 381-93	1.4	4
88	Long-term depression in the CNS. *Nature Reviews Neuroscience*, **2010**, 11, 459-73	13.5	644
87	PKMzeta maintains memories by regulating GluR2-dependent AMPA receptor trafficking. *Nature Neuroscience*, **2010**, 13, 630-4	25.5	229
86	Allosteric potentiation of glycine receptor chloride currents by glutamate. *Nature Neuroscience*, **2010**, 13, 1225-32	25.5	29
85	A kinesin signaling complex mediates the ability of GSK-3beta to affect mood-associated behaviors. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11573-8	11.5	89
84	Hippocampal long-term depression is required for the consolidation of spatial memory. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 16697-702	11.5	194
83	Blocking the deadly effects of the NMDA receptor in stroke. *Cell*, **2010**, 140, 174-6	56.2	56
82	Depletion of GSH in glial cells induces neurotoxicity: relevance to aging and degenerative neurological diseases. *FASEB Journal*, **2010**, 24, 2533-45	0.9	168
81	Preview: ionotropic glutamate receptor trafficking: AMPA receptors talk back. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2010**, 2, 45-46	3.4	
80	Microglial VEGF receptor response is an integral chemotactic component in Alzheimer's disease pathology. *Journal of Neuroscience*, **2009**, 29, 3-13	6.6	78
79	Essential role of SBP-1 activation in oxygen deprivation induced lipid accumulation and increase in body width/length ratio in Caenorhabditis elegans. *FEBS Letters*, **2009**, 583, 831-4	3.8	13
78	Role of NMDA receptor-dependent activation of SREBP1 in excitotoxic and ischemic neuronal injuries. *Nature Medicine*, **2009**, 15, 1399-406	50.5	100
77	Mechanisms involved in cholesterol-induced neuronal insulin resistance. *Neuropharmacology*, **2009**, 57, 268-76	5.5	28

76	Neural progenitor cells attenuate inflammatory reactivity and neuronal loss in an animal model of inflamed AD brain. *Journal of Neuroinflammation*, **2009**, 6, 39	10.1	53
75	The role of GSK-3 in synaptic plasticity. *British Journal of Pharmacology*, **2008**, 153 Suppl 1, S428-37	8.6	191
74	Probing the role of AMPAR endocytosis and long-term depression in behavioural sensitization: relevance to treatment of brain disorders, including drug addiction. *British Journal of Pharmacology*, **2008**, 153 Suppl 1, S389-95	8.6	18
73	Role of AMPA receptor trafficking in NMDA receptor-dependent synaptic plasticity in the rat lateral amygdala. *Journal of Neurochemistry*, **2008**, 106, 889-99	6	59
72	Disruption of AMPA receptor endocytosis impairs the extinction, but not acquisition of learned fear. *Neuropsychopharmacology*, **2008**, 33, 2416-26	8.7	118
71	Mechanisms involved in the reduction of GABAA receptor alpha1-subunit expression caused by the epilepsy mutation A322D in the trafficking-competent receptor. *Journal of Biological Chemistry*, **2008**, 283, 22043-50	5.4	26
70	Effectiveness of PSD95 inhibitors in permanent and transient focal ischemia in the rat. *Stroke*, **2008**, 39, 2544-53	6.7	145
69	Synaptic plasticity in learning and memory: stress effects in the hippocampus. *Progress in Brain Research*, **2008**, 169, 145-58	2.9	168
68	Tyrosine phosphorylation of the GluR2 subunit is required for long-term depression of synaptic efficacy in young animals in vivo. *Hippocampus*, **2007**, 17, 600-5	3.5	43
67	Transgenic mice over-expressing GABA(B)R1a receptors acquire an atypical absence epilepsy-like phenotype. *Neurobiology of Disease*, **2007**, 26, 439-51	7.5	28
66	Hippocampal long-term depression mediates acute stress-induced spatial memory retrieval impairment. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 11471-6	11.5	190
65	PDZ protein interactions underlying NMDA receptor-mediated excitotoxicity and neuroprotection by PSD-95 inhibitors. *Journal of Neuroscience*, **2007**, 27, 9901-15	6.6	160
64	NMDA receptor function and NMDA receptor-dependent phosphorylation of huntingtin is altered by the endocytic protein HIP1. *Journal of Neuroscience*, **2007**, 27, 2298-308	6.6	37
63	Modular competition driven by NMDA receptor subtypes in spike-timing-dependent plasticity. *Journal of Neurophysiology*, **2007**, 97, 2851-62	3.2	37
62	Calpain-mediated mGluR1alpha truncation: a key step in excitotoxicity. *Neuron*, **2007**, 53, 399-412	13.9	134
61	LTP inhibits LTD in the hippocampus via regulation of GSK3beta. *Neuron*, **2007**, 53, 703-17	13.9	547
60	GABAA receptor-associated phosphoinositide 3-kinase is required for insulin-induced recruitment of postsynaptic GABAA receptors. *Neuropharmacology*, **2007**, 52, 146-55	5.5	42
59	NMDA receptor subunits have differential roles in mediating excitotoxic neuronal death both in vitro and in vivo. *Journal of Neuroscience*, **2007**, 27, 2846-57	6.6	603

58	Anisomycin activates p38 MAP kinase to induce LTD in mouse primary visual cortex. *Brain Research*, **2006**, 1085, 68-76	3.7	36
57	Contribution of NR2A and NR2B NMDA subunits to bidirectional synaptic plasticity in the hippocampus in vivo. *Hippocampus*, **2006**, 16, 907-15	3.5	138
56	Involvement of myosin Vb in glutamate receptor trafficking. *Journal of Biological Chemistry*, **2006**, 281, 3669-78	5.4	108
55	A critical role for myosin IIb in dendritic spine morphology and synaptic function. *Neuron*, **2006**, 49, 175-82	13.9	139
54	Mechanisms of modulation of pregnanolone on glycinergic response in cultured spinal dorsal horn neurons of rat. *Neuroscience*, **2006**, 141, 2041-50	3.9	35
53	Endogenous insulin signaling protects cultured neurons from oxygen-glucose deprivation-induced cell death. *Neuroscience*, **2006**, 143, 165-73	3.9	55
52	Interference Peptides: A Novel Therapeutic Approach Targeting Synaptic Plasticity in Drug Addiction **2006**, 473-484		3
51	Differential roles of NR2A- and NR2B-containing NMDA receptors in Ras-ERK signaling and AMPA receptor trafficking. *Neuron*, **2005**, 46, 745-60	13.9	404
50	Direct receptor cross-talk can mediate the modulation of excitatory and inhibitory neurotransmission by dopamine. *Journal of Molecular Neuroscience*, **2005**, 26, 245-52	3.3	27
49	Insulin exerts neuroprotection by counteracting the decrease in cell-surface GABA receptors following oxygen-glucose deprivation in cultured cortical neurons. *Journal of Neurochemistry*, **2005**, 92, 103-13	6	73
48	A biochemical and functional characterization of diet-induced brain insulin resistance. *Journal of Neurochemistry*, **2005**, 93, 1568-78	6	139
47	Nucleus accumbens long-term depression and the expression of behavioral sensitization. *Science*, **2005**, 310, 1340-3	33.3	232
46	Neuroligins mediate excitatory and inhibitory synapse formation: involvement of PSD-95 and neurexin-1beta in neuroligin-induced synaptic specificity. *Journal of Biological Chemistry*, **2005**, 280, 17312-9	5.4	221
45	Excessive expression of acetylcholinesterase impairs glutamatergic synaptogenesis in hippocampal neurons. *Journal of Neuroscience*, **2004**, 24, 8950-60	6.6	46
44	A balance between excitatory and inhibitory synapses is controlled by PSD-95 and neuroligin. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 13915-20	11.5	293
43	Response to Comment on "Role of NMDA Receptor Subtypes in Governing the Direction of Hippocampal Synaptic Plasticity". *Science*, **2004**, 305, 1912c-1912c	33.3	14
42	alpha-Amino-3-hydroxy-5-methylisoxazole-4-propionic acid subtype glutamate receptor (AMPAR) endocytosis is essential for N-methyl-D-aspartate-induced neuronal apoptosis. *Journal of Biological Chemistry*, **2004**, 279, 41267-70	5.4	41
41	Tyrosine phosphorylation of GluR2 is required for insulin-stimulated AMPA receptor endocytosis and LTD. *EMBO Journal*, **2004**, 23, 1040-50	13	242

40	Receptor trafficking and synaptic plasticity. *Nature Reviews Neuroscience*, **2004**, 5, 952-62	13.5	800
39	Role of NMDA receptor subtypes in governing the direction of hippocampal synaptic plasticity. *Science*, **2004**, 304, 1021-4	33.3	903
38	Hormonal regulation of atypical absence seizures. *Annals of Neurology*, **2004**, 55, 353-61	9.4	21
37	Gamma-hydroxybutyric acid (GHB) and gamma-aminobutyric acidB receptor (GABABR) binding sites are distinctive from one another: molecular evidence. *Neuropharmacology*, **2004**, 47, 1146-56	5.5	57
36	Disruption of the endocytic protein HIP1 results in neurological deficits and decreased AMPA receptor trafficking. *EMBO Journal*, **2003**, 22, 3254-66	13	91
35	Glycine binding primes NMDA receptor internalization. *Nature*, **2003**, 422, 302-7	50.4	339
34	Antinociceptive effect of calcitonin gene-related peptide in the central nucleus of amygdala: activating opioid receptors through amygdala-periaqueductal gray pathway. *Neuroscience*, **2003**, 118, 1015-22	3.9	45
33	Activation of PI3-kinase is required for AMPA receptor insertion during LTP of mEPSCs in cultured hippocampal neurons. *Neuron*, **2003**, 38, 611-24	13.9	285
32	Control of synaptic strength, a novel function of Akt. *Neuron*, **2003**, 38, 915-28	13.9	215
31	Isolation of various forms of sterol beta-D-glucoside from the seed of Cycas circinalis: neurotoxicity and implications for ALS-parkinsonism dementia complex. *Journal of Neurochemistry*, **2002**, 82, 516-28	6	90
30	Mutation of GABRA1 in an autosomal dominant form of juvenile myoclonic epilepsy. *Nature Genetics*, **2002**, 31, 184-9	36.3	497
29	Treatment of ischemic brain damage by perturbing NMDA receptor- PSD-95 protein interactions. *Science*, **2002**, 298, 846-50	33.3	808
28	Dual regulation of NMDA receptor functions by direct protein-protein interactions with the dopamine D1 receptor. *Cell*, **2002**, 111, 219-30	56.2	455
27	Clathrin adaptor AP2 and NSF interact with overlapping sites of GluR2 and play distinct roles in AMPA receptor trafficking and hippocampal LTD. *Neuron*, **2002**, 36, 661-74	13.9	356
26	Alteration of GLUR2 expression in the rat brain following absence seizures induced by gamma-hydroxybutyric acid. *Epilepsy Research*, **2001**, 44, 41-51	3	14
25	Gamma-hydroxybutyric acid-induced absence seizures in GluR2 null mutant mice. *Brain Research*, **2001**, 897, 27-35	3.7	17
24	Cloning and characterization of a novel variant of rat GABA(B)R1 with a truncated C-terminus. *Molecular Brain Research*, **2001**, 89, 103-10		22
23	Activation of synaptic NMDA receptors induces membrane insertion of new AMPA receptors and LTP in cultured hippocampal neurons. *Neuron*, **2001**, 29, 243-54	13.9	715

22	LTP in a culture dish. *Scientific World Journal, The*, **2001**, 1, 213-5	2.2	2
21	Endogenous Zn(2+) is required for the induction of long-term potentiation at rat hippocampal mossy fiber-CA3 synapses. *Synapse*, **2000**, 38, 187-97	2.4	117
20	Distinct molecular mechanisms and divergent endocytotic pathways of AMPA receptor internalization. *Nature Neuroscience*, **2000**, 3, 1282-90	25.5	490
19	Direct protein-protein coupling enables cross-talk between dopamine D5 and gamma-aminobutyric acid A receptors. *Nature*, **2000**, 403, 274-80	50.4	376
18	Intracellular trafficking of AMPA receptors in synaptic plasticity. *Cellular and Molecular Life Sciences* , **2000**, 57, 1526-34	10.3	57
17	Production of tumour necrosis factor alpha by primary cultured rat alveolar epithelial cells. *Cytokine*, **2000**, 12, 644-54	4	69
16	Expression of cerebellar long-term depression requires postsynaptic clathrin-mediated endocytosis. *Neuron*, **2000**, 25, 635-47	13.9	419
15	Regulation of AMPA receptor-mediated synaptic transmission by clathrin-dependent receptor internalization. *Neuron*, **2000**, 25, 649-62	13.9	585
14	Selective modulation of membrane currents by hypoxia in intact airway chemoreceptors from neonatal rabbit. *Journal of Physiology*, **1999**, 514 (Pt 1), 139-50	3.9	59
13	Differential modulation of GABAA receptor function by Mel1a and Mel1b receptors. *Nature Neuroscience*, **1999**, 2, 401-3	25.5	165
12	Modulation of baroreflex sensitivity by the state of protein tyrosine phosphorylation in the brainstem of the rat. *Brain Research*, **1998**, 792, 141-8	3.7	7
11	Protein kinase-mediated bidirectional trafficking and functional regulation of the human dopamine transporter. *Synapse*, **1998**, 30, 79-87	2.4	132
10	Modulation of GABAA receptor function by tyrosine phosphorylation of beta subunits. *Journal of Neuroscience*, **1997**, 17, 5062-9	6.6	80
9	Recruitment of functional GABA(A) receptors to postsynaptic domains by insulin. *Nature*, **1997**, 388, 686-90	50.4	457
8	Ca(2+)-independent reduction of N-methyl-D-aspartate channel activity by protein tyrosine phosphatase. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 1721-5	11.5	120
7	Regulation of NMDA receptors by tyrosine kinases and phosphatases. *Nature*, **1994**, 369, 233-5	50.4	618
6	Somatostatin regulates excitatory amino acid receptor-mediated fast excitatory postsynaptic potential components in vagal motoneurons. *Neuroscience*, **1993**, 53, 7-9	3.9	25
5	Rundown of NMDA-receptor mediated currents is resistant to lowering intracellular [Ca2+] and is prevented by ATP in rat spinal dorsal horn neurons. *Neuroscience Letters*, **1993**, 157, 183-6	3.3	13

4	Nicotinic cholinoceptor-mediated excitatory postsynaptic potentials in rat nucleus ambiguus. *Experimental Brain Research*, **1993**, 96, 83-8	2.3	53
3	Somatostatin inhibits nicotinic cholinoceptor mediated-excitation in rat ambigual motoneurons in vitro. *Neuroscience Letters*, **1991**, 123, 236-9	3.3	13
2	Nicotinic cholinoceptor-mediated excitation in ambigual motoneurons of the rat. *Neuroscience*, **1991**, 40, 759-67	3.9	23
1	Activation of NMDA receptors is necessary for fast information transfer at brainstem vagal motoneurons. *Brain Research*, **1991**, 567, 260-6	3.7	38