Yu Tian Wang

List of Publications by Citations

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
164	Role of NMDA receptor subtypes in governing the direction of hippocampal synaptic plasticity. *Science*, **2004**, 304, 1021-4	33.3	903
163	Treatment of ischemic brain damage by perturbing NMDA receptor- PSD-95 protein interactions. *Science*, **2002**, 298, 846-50	33.3	808
162	Receptor trafficking and synaptic plasticity. *Nature Reviews Neuroscience*, **2004**, 5, 952-62	13.5	800
161	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
160	Long-term depression in the CNS. *Nature Reviews Neuroscience*, **2010**, 11, 459-73	13.5	644
159	Excitotoxicity and stroke: identifying novel targets for neuroprotection. *Progress in Neurobiology*, **2014**, 115, 157-88	10.9	634
158	Regulation of NMDA receptors by tyrosine kinases and phosphatases. *Nature*, **1994**, 369, 233-5	50.4	618
157	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
156	Regulation of AMPA receptor-mediated synaptic transmission by clathrin-dependent receptor internalization. *Neuron*, **2000**, 25, 649-62	13.9	585
155	LTP inhibits LTD in the hippocampus via regulation of GSK3beta. *Neuron*, **2007**, 53, 703-17	13.9	547
154	Mutation of GABRA1 in an autosomal dominant form of juvenile myoclonic epilepsy. *Nature Genetics*, **2002**, 31, 184-9	36.3	497
153	Distinct molecular mechanisms and divergent endocytotic pathways of AMPA receptor internalization. *Nature Neuroscience*, **2000**, 3, 1282-90	25.5	490
152	Recruitment of functional GABA(A) receptors to postsynaptic domains by insulin. *Nature*, **1997**, 388, 686-90	50.4	457
151	Dual regulation of NMDA receptor functions by direct protein-protein interactions with the dopamine D1 receptor. *Cell*, **2002**, 111, 219-30	56.2	455
150	Expression of cerebellar long-term depression requires postsynaptic clathrin-mediated endocytosis. *Neuron*, **2000**, 25, 635-47	13.9	419
149	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

148	Direct protein-protein coupling enables cross-talk between dopamine D5 and gamma-aminobutyric acid A receptors. *Nature*, **2000**, 403, 274-80	50.4	376
147	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
146	Glycine binding primes NMDA receptor internalization. *Nature*, **2003**, 422, 302-7	50.4	339
145	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
144	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
143	Spontaneous cortical activity alternates between motifs defined by regional axonal projections. *Nature Neuroscience*, **2013**, 16, 1426-35	25.5	248
142	Tyrosine phosphorylation of GluR2 is required for insulin-stimulated AMPA receptor endocytosis and LTD. *EMBO Journal*, **2004**, 23, 1040-50	13	242
141	Nucleus accumbens long-term depression and the expression of behavioral sensitization. *Science*, **2005**, 310, 1340-3	33.3	232
140	PKMzeta maintains memories by regulating GluR2-dependent AMPA receptor trafficking. *Nature Neuroscience*, **2010**, 13, 630-4	25.5	229
139	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
138	Control of synaptic strength, a novel function of Akt. *Neuron*, **2003**, 38, 915-28	13.9	215
137	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
136	The role of GSK-3 in synaptic plasticity. *British Journal of Pharmacology*, **2008**, 153 Suppl 1, S428-37	8.6	191
135	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
134	Depletion of GSH in glial cells induces neurotoxicity: relevance to aging and degenerative neurological diseases. *FASEB Journal*, **2010**, 24, 2533-45	0.9	168
133	Synaptic plasticity in learning and memory: stress effects in the hippocampus. *Progress in Brain Research*, **2008**, 169, 145-58	2.9	168
132	Differential modulation of GABAA receptor function by Mel1a and Mel1b receptors. *Nature Neuroscience*, **1999**, 2, 401-3	25.5	165
131	PDZ protein interactions underlying NMDA receptor-mediated excitotoxicity and neuroprotection by PSD-95 inhibitors. *Journal of Neuroscience*, **2007**, 27, 9901-15	6.6	160

130	Postsynaptic TrkC and presynaptic PTPδ function as a bidirectional excitatory synaptic organizing complex. *Neuron*, **2011**, 69, 287-303	13.9	157
129	Hippocampal long-term depression mediates spatial reversal learning in the Morris water maze. *Neuropharmacology*, **2013**, 64, 65-73	5.5	151
128	Effectiveness of PSD95 inhibitors in permanent and transient focal ischemia in the rat. *Stroke*, **2008**, 39, 2544-53	6.7	145
127	A critical role for myosin IIb in dendritic spine morphology and synaptic function. *Neuron*, **2006**, 49, 175-82	13.9	139
126	A biochemical and functional characterization of diet-induced brain insulin resistance. *Journal of Neurochemistry*, **2005**, 93, 1568-78	6	139
125	Contribution of NR2A and NR2B NMDA subunits to bidirectional synaptic plasticity in the hippocampus in vivo. *Hippocampus*, **2006**, 16, 907-15	3.5	138
124	Calpain-mediated mGluR1alpha truncation: a key step in excitotoxicity. *Neuron*, **2007**, 53, 399-412	13.9	134
123	Protein kinase-mediated bidirectional trafficking and functional regulation of the human dopamine transporter. *Synapse*, **1998**, 30, 79-87	2.4	132
122	Stroke intervention pathways: NMDA receptors and beyond. *Trends in Molecular Medicine*, **2011**, 17, 266-75	11.5	123
121	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
120	An LRRTM4-HSPG complex mediates excitatory synapse development on dentate gyrus granule cells. *Neuron*, **2013**, 79, 680-95	13.9	119
119	A pivotal role of GSK-3 in synaptic plasticity. *Frontiers in Molecular Neuroscience*, **2012**, 5, 13	6.1	119
118	Disruption of AMPA receptor endocytosis impairs the extinction, but not acquisition of learned fear. *Neuropsychopharmacology*, **2008**, 33, 2416-26	8.7	118
117	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
116	Involvement of myosin Vb in glutamate receptor trafficking. *Journal of Biological Chemistry*, **2006**, 281, 3669-78	5.4	108
115	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
114	Opposing mechanisms mediate morphine- and cocaine-induced generation of silent synapses. *Nature Neuroscience*, **2016**, 19, 915-25	25.5	106
113	The specific α-neurexin interactor calsyntenin-3 promotes excitatory and inhibitory synapse development. *Neuron*, **2013**, 80, 113-28	13.9	104

112	Long-term potentiation decay and memory loss are mediated by AMPAR endocytosis. *Journal of Clinical Investigation*, **2015**, 125, 234-47	15.9	102
111	Role of NMDA receptor-dependent activation of SREBP1 in excitotoxic and ischemic neuronal injuries. *Nature Medicine*, **2009**, 15, 1399-406	50.5	100
110	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
109	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
108	Disruption of the endocytic protein HIP1 results in neurological deficits and decreased AMPA receptor trafficking. *EMBO Journal*, **2003**, 22, 3254-66	13	91
107	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
106	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
105	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
104	Rapid and reversible knockdown of endogenous proteins by peptide-directed lysosomal degradation. *Nature Neuroscience*, **2014**, 17, 471-80	25.5	81
103	Modulation of GABAA receptor function by tyrosine phosphorylation of beta subunits. *Journal of Neuroscience*, **1997**, 17, 5062-9	6.6	80
102	Microglial VEGF receptor response is an integral chemotactic component in Alzheimer's disease pathology. *Journal of Neuroscience*, **2009**, 29, 3-13	6.6	78
101	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
100	Production of tumour necrosis factor alpha by primary cultured rat alveolar epithelial cells. *Cytokine*, **2000**, 12, 644-54	4	69
99	The NMDA receptor complex: a multifunctional machine at the glutamatergic synapse. *Frontiers in Cellular Neuroscience*, **2014**, 8, 160	6.1	63
98	Mesoscale infraslow spontaneous membrane potential fluctuations recapitulate high-frequency activity cortical motifs. *Nature Communications*, **2015**, 6, 7738	17.4	62
97	Mechanisms of hippocampal long-term depression are required for memory enhancement by novelty exploration. *Journal of Neuroscience*, **2012**, 32, 11980-90	6.6	62
96	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
95	Critical role of increased PTEN nuclear translocation in excitotoxic and ischemic neuronal injuries. *Journal of Neuroscience*, **2013**, 33, 7997-8008	6.6	59

94	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
93	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
92	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
91	Intracellular trafficking of AMPA receptors in synaptic plasticity. *Cellular and Molecular Life Sciences* , **2000**, 57, 1526-34	10.3	57
90	Blocking the deadly effects of the NMDA receptor in stroke. *Cell*, **2010**, 140, 174-6	56.2	56
89	Endogenous insulin signaling protects cultured neurons from oxygen-glucose deprivation-induced cell death. *Neuroscience*, **2006**, 143, 165-73	3.9	55
88	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
87	Nicotinic cholinoceptor-mediated excitatory postsynaptic potentials in rat nucleus ambiguus. *Experimental Brain Research*, **1993**, 96, 83-8	2.3	53
86	Synaptotagmin-3 drives AMPA receptor endocytosis, depression of synapse strength, and forgetting. *Science*, **2019**, 363,	33.3	53
85	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
84	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
83	Excessive expression of acetylcholinesterase impairs glutamatergic synaptogenesis in hippocampal neurons. *Journal of Neuroscience*, **2004**, 24, 8950-60	6.6	46
82	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
81	Altered Cortical Dynamics and Cognitive Function upon Haploinsufficiency of the Autism-Linked Excitatory Synaptic Suppressor MDGA2. *Neuron*, **2016**, 91, 1052-1068	13.9	45
80	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
79	GABAA receptor-associated phosphoinositide 3-kinase is required for insulin-induced recruitment of postsynaptic GABAA receptors. *Neuropharmacology*, **2007**, 52, 146-55	5.5	42
78	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
77	The intersections of NMDAR-dependent synaptic plasticity and cell survival. *Neuropharmacology*, **2013**, 74, 59-68	5.5	38

76	Activation of NMDA receptors is necessary for fast information transfer at brainstem vagal motoneurons. *Brain Research*, **1991**, 567, 260-6	3.7	38
75	A Place at the Table: LTD as a Mediator of Memory Genesis. *Neuroscientist*, **2016**, 22, 359-71	7.6	37
74	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
73	Modular competition driven by NMDA receptor subtypes in spike-timing-dependent plasticity. *Journal of Neurophysiology*, **2007**, 97, 2851-62	3.2	37
72	Anisomycin activates p38 MAP kinase to induce LTD in mouse primary visual cortex. *Brain Research*, **2006**, 1085, 68-76	3.7	36
71	Activation of {beta}-adrenergic receptors facilitates heterosynaptic translation-dependent long-term potentiation. *Journal of Physiology*, **2011**, 589, 4321-40	3.9	35
70	Mechanisms of modulation of pregnanolone on glycinergic response in cultured spinal dorsal horn neurons of rat. *Neuroscience*, **2006**, 141, 2041-50	3.9	35
69	Insulin, synaptic function, and opportunities for neuroprotection. *Progress in Molecular Biology and Translational Science*, **2011**, 98, 133-86	4	34
68	Lithium ameliorates autistic-like behaviors induced by neonatal isolation in rats. *Frontiers in Behavioral Neuroscience*, **2014**, 8, 234	3.5	32
67	MKP-1 reduces A□generation and alleviates cognitive impairments in Alzheimer's disease models. *Signal Transduction and Targeted Therapy*, **2019**, 4, 58	21	31
66	Neuroprotective Effects of Ginsenoside Rf on Amyloid-□Induced Neurotoxicity in vitro and in vivo. *Journal of Alzheimer's Disease*, **2018**, 64, 309-322	4.3	30
65	Direct interaction between GluR2 and GAPDH regulates AMPAR-mediated excitotoxicity. *Molecular Brain*, **2012**, 5, 13	4.5	29
64	Allosteric potentiation of glycine receptor chloride currents by glutamate. *Nature Neuroscience*, **2010**, 13, 1225-32	25.5	29
63	Mechanisms involved in cholesterol-induced neuronal insulin resistance. *Neuropharmacology*, **2009**, 57, 268-76	5.5	28
62	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
61	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
60	A microfluidic based in vitro model of synaptic competition. *Molecular and Cellular Neurosciences*, **2014**, 60, 43-52	4.8	27
59	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

58	Cognitive Deficits in Calsyntenin-2-deficient Mice Associated with Reduced GABAergic Transmission. *Neuropsychopharmacology*, **2016**, 41, 802-10	8.7	26
57	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
56	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
55	Somatostatin regulates excitatory amino acid receptor-mediated fast excitatory postsynaptic potential components in vagal motoneurons. *Neuroscience*, **1993**, 53, 7-9	3.9	25
54	Molecular mechanisms of NMDA receptor-mediated excitotoxicity: implications for neuroprotective therapeutics for stroke. *Neural Regeneration Research*, **2016**, 11, 1752-1753	4.5	24
53	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
52	Nicotinic cholinoceptor-mediated excitation in ambigual motoneurons of the rat. *Neuroscience*, **1991**, 40, 759-67	3.9	23
51	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
50	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
49	Hormonal regulation of atypical absence seizures. *Annals of Neurology*, **2004**, 55, 353-61	9.4	21
48	NMDARs in Cell Survival and Death: Implications in Stroke Pathogenesis and Treatment. *Trends in Molecular Medicine*, **2020**, 26, 533-551	11.5	21
47	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
46	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
45	Progranulin promotes activation of microglia/macrophage after pilocarpine-induced status epilepticus. *Brain Research*, **2013**, 1530, 54-65	3.7	19
44	Long-term potentiation promotes proliferation/survival and neuronal differentiation of neural stem/progenitor cells. *PLoS ONE*, **2013**, 8, e76860	3.7	18
43	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
42	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
41	Facilitated extinction of morphine conditioned place preference with Tat-GluA2(3Y) interference peptide. *Behavioural Brain Research*, **2012**, 233, 389-97	3.4	17

40	Gamma-hydroxybutyric acid-induced absence seizures in GluR2 null mutant mice. *Brain Research*, **2001**, 897, 27-35	3.7	17
39	The regulatory role of long-term depression in juvenile and adult mouse ocular dominance plasticity. *Scientific Reports*, **2011**, 1, 203	4.9	16
38	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
37	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
36	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
35	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
34	Alteration of GLUR2 expression in the rat brain following absence seizures induced by gamma-hydroxybutyric acid. *Epilepsy Research*, **2001**, 44, 41-51	3	14
33	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
32	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
31	Somatostatin inhibits nicotinic cholinoceptor mediated-excitation in rat ambigual motoneurons in vitro. *Neuroscience Letters*, **1991**, 123, 236-9	3.3	13
30	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
29	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
28	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
27	Molecular level activation insights from a NR2A/NR2B agonist. *Journal of Biomolecular Structure and Dynamics*, **2014**, 32, 683-93	3.6	8
26	Food allergy induces alteration in brain inflammatory status and cognitive impairments. *Behavioural Brain Research*, **2019**, 364, 374-382	3.4	8
25	p97 regulates GluA1 homomeric AMPA receptor formation and plasma membrane expression. *Nature Communications*, **2019**, 10, 4089	17.4	7
24	Hydroxynorketamine: Implications for the NMDA Receptor Hypothesis of Ketamine's Antidepressant Action. *Chronic Stress*, **2017**, 1,	3	7
23	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

22	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
21	Allosteric modulation of GABAA receptors by extracellular ATP. *Molecular Brain*, **2014**, 7, 6	4.5	5
20	LTD is involved in the formation and maintenance of rat hippocampal CA1 place-cell fields. *Nature Communications*, **2021**, 12, 100	17.4	5
19	Development of an □synuclein knockdown peptide and evaluation of its efficacy in Parkinson's disease models. *Communications Biology*, **2021**, 4, 232	6.7	5
18	Pathophysiology of and therapeutic options for a GABRA1 variant linked to epileptic encephalopathy. *Molecular Brain*, **2019**, 12, 92	4.5	4
17	Disrupting protein complexes using Tat-tagged peptide mimics. *Methods in Molecular Biology*, **2011**, 756, 381-93	1.4	4
16	Pharmacological properties of TRPM3 isoforms are determined by the length of the pore loop. *British Journal of Pharmacology*, **2020**,	8.6	4
15	GluA1-homomeric AMPA receptor in synaptic plasticity and neurological diseases. *Neuropharmacology*, **2021**, 197, 108708	5.5	4
14	AMPA and NMDA Receptor Trafficking at Cocaine-Generated Synapses. *Journal of Neuroscience*, **2021**, 41, 1996-2011	6.6	4
13	Directional gating of synaptic plasticity by GPCRs and their distinct downstream signalling pathways. *EMBO Journal*, **2012**, 31, 783-5	13	3
12	Interference Peptides: A Novel Therapeutic Approach Targeting Synaptic Plasticity in Drug Addiction **2006**, 473-484		3
11	Illuminating synapse-specific homeostatic plasticity. *Neuron*, **2011**, 72, 682-5	13.9	2
10	LTP in a culture dish. *Scientific World Journal, The*, **2001**, 1, 213-5	2.2	2
9	Neuroprotective strategies for NMDAR-mediated excitotoxicity in Huntington□ Disease. *Frontiers in Biology*, **2016**, 11, 439-458		1
8	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
7	SNIPER peptide-mediated degradation of endogenous proteins. *Current Protocols in Chemical Biology*, **2015**, 7, 1-16	1.8	1
6	The selective dopamine D receptor agonist SKF81297 modulates NMDA receptor currents independently of D receptors.. *Neuropharmacology*, **2022**, 207, 108967	5.5	0
5	An Erbin Story: Amygdala Excitation-Inhibition Balance in Anxiety. *Biological Psychiatry*, **2020**, 87, 872-874	7.9	

List of Publications

4	Molecular interactions between monoclonal oligomer-specific antibody 5E3 and its amyloid beta cognates. *PLoS ONE*, **2020**, 15, e0232266	3.7
3	Preview: ionotropic glutamate receptor trafficking: AMPA receptors talk back. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2010**, 2, 45-46	3.4
2	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
1	Getting "Ras"-ults: Solving Molecular Promiscuity through Microdomain-Selective Targeting. *Neuron*, **2018**, 98, 675-678	13.9