Rostislav Turecek

List of Publications by Year
in descending order

27	1,899	394286 19	526166 27
papers	citations	h-index	g-index

27	27	27	2109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Compartmentalization and Distinct Functions of GABAB Receptor Variants. Neuron, 2006, 50, 589-601.	3.8	289
2	Native GABAB receptors are heteromultimers with a family of auxiliary subunits. Nature, 2010, 465, 231-235.	13.7	286
3	Presynaptic glycine receptors enhance transmitter release at a mammalian central synapse. Nature, 2001, 411, 587-590.	13.7	280
4	Staggered Development of GABAergic and Glycinergic Transmission in the MNTB. Journal of Neurophysiology, 2005, 93, 819-828.	0.9	126
5	Reciprocal developmental regulation of presynaptic ionotropic receptors. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13884-13889.	3.3	104
6	NMDA receptor-dependent GABA _B receptor internalization via CaMKII phosphorylation of serine 867 in GABA _{B1}. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13924-13929.	3.3	98
7	Auxiliary GABAB Receptor Subunits Uncouple G Protein Î²Î³ Subunits from Effector Channels to Induce Desensitization. Neuron, 2014, 82, 1032-1044.	3.8	92
8	Complex formation of APP with GABAB receptors links axonal trafficking to amyloidogenic processing. Nature Communications, 2019, 10, 1331.	5.8	92
9	Inhibitory Control at a Synaptic Relay. Journal of Neuroscience, 2004, 24, 2643-2647.	1.7	74
10	Control of Synaptic Depression by Glutamate Transporters. Journal of Neuroscience, 2000, 20, 2054-2063.	1.7	67
11	Molecular organization and dynamics of the melatonin MT1 receptor/RGS20/Gi protein complex reveal asymmetry of receptor dimers for RGS and Gi coupling. EMBO Journal, 2010, 29, 3646-3659.	3.5	61
12	The GABA_{B1a}Isoform Mediates Heterosynaptic Depression at Hippocampal Mossy Fiber Synapses. Journal of Neuroscience, 2009, 29, 1414-1423.	1.7	54
13	KCTD Hetero-oligomers Confer Unique Kinetic Properties on Hippocampal GABA_BReceptor-Induced K⁺Currents. Journal of Neuroscience, 2017, 37, 1162-1175.	1.7	41
14	Up-regulation of GABAB Receptor Signaling by Constitutive Assembly with the K+ Channel Tetramerization Domain-containing Protein 12 (KCTD12). Journal of Biological Chemistry, 2013, 288, 24848-24856.	1.6	33
15	Intracellular spermine decreases open probability ofN-methyl-d-aspartate receptor channels. Neuroscience, 2004, 125, 879-887.	1.1	31
16	Development of Chloride-Mediated Inhibition in Neurons of the Anteroventral Cochlear Nucleus of Gerbil (Meriones unguiculatus). Journal of Neurophysiology, 2007, 98, 1634-1644.	0.9	28
17	GABAB receptor phosphorylation regulates KCTD12-induced K+ current desensitization. Biochemical Pharmacology, 2014, 91, 369-379.	2.0	27
18	Differential Distribution of Glycine Receptor Subtypes at the Rat Calyx of Held Synapse. Journal of Neuroscience, 2012, 32, 17012-17024.	1.7	22

#	Article	IF	Citations
19	Rimonabant, a potent CB1 cannabinoid receptor antagonist, is a GÎ±i/o protein inhibitor. Neuropharmacology, 2018, 133, 107-120.	2.0	21
20	Spontaneous Openings of NMDA Receptor Channels in Cultured Rat Hippocampal Neurons. European Journal of Neuroscience, 1997, 9, 1999-2008.	1.2	20
21	Modulation of synaptic depression of the calyx of Held synapse by GABA_B receptors and spontaneous activity. Journal of Physiology, 2013, 591, 4877-4894.	1.3	18
22	Organotypic cultures of chick dorsal root ganglia in a semi-solid medium: A model for neurotoxicity testing. Toxicology in Vitro, 1994, 8, 81-90.	1.1	10
23	Distribution of glycine receptors on the surface of the mature calyx of Held nerve terminal. Frontiers in Neural Circuits, 2014, 8, 120.	1.4	8
24	G-Protein Modulation of Glycine-resistant NMDA Receptor Desensitization in Rat Cultured Hippocampal Neurons. European Journal of Neuroscience, 1995, 7, 1826-1830.	1.2	6
25	Mechanisms of Fast Desensitization of GABAB Receptor-Gated Currents. Advances in Pharmacology, 2015, 73, 145-165.	1.2	5
26	Cochlear ablation in neonatal rats disrupts inhibitory transmission in the medial nucleus of the trapezoid body. Neuroscience Letters, 2019, 699, 145-150.	1.0	4
27	Cisplatin-induced changes in the number of argyrophilic nucleolar granules in cultured chick dorsal root ganglion neurons. Neuroscience Research Communications, 1996, 18, 185-193.	0.2	2