Alexey Rossokhin

List of Publications by Citations

20 papers	198 citations	8 h-index	13 g-index
20 ext. papers	222 ext. citations	3.4 avg, IF	2.59 L-index

#	Paper	IF	Citations
20	Interaction between paired-pulse facilitation and long-term potentiation of minimal excitatory postsynaptic potentials in rat hippocampal slices: a patch-clamp study. *Neuroscience*, **1998**, 85, 1-13	3.9	34
19	Quantal analysis suggests strong involvement of presynaptic mechanisms during the initial 3 h maintenance of long-term potentiation in rat hippocampal CA1 area in vitro. *Brain Research*, **2002**, 957, 61-75	3.7	26
18	Postsynaptic hyperpolarization increases the strength of AMPA-mediated synaptic transmission at large synapses between mossy fibers and CA3 pyramidal cells. *Neuropharmacology*, **2000**, 39, 2288-301	5.5	22
17	Interaction of d-tubocurarine with potassium channels: molecular modeling and ligand binding. *Molecular Pharmacology*, **2006**, 69, 1356-65	4.3	18
16	Associative mossy fibre LTP induced by pairing presynaptic stimulation with postsynaptic hyperpolarization of CA3 neurons in rat hippocampal slice. *European Journal of Neuroscience*, **2003**, 17, 1425-37	3.5	17
15	Long-term synaptic changes induced by intracellular tetanization of CA3 pyramidal neurons in hippocampal slices from juvenile rats. *Neuroscience*, **1999**, 93, 469-77	3.9	16
14	Block of GABA(A) receptor ion channel by penicillin: electrophysiological and modeling insights toward the mechanism. *Molecular and Cellular Neurosciences*, **2014**, 63, 72-82	4.8	15
13	Why does the inner-helix mutation A413C double the stoichiometry of Kv1.3 channel block by emopamil but not by verapamil?. *Molecular Pharmacology*, **2011**, 79, 681-91	4.3	10
12	Side chain flexibility and the pore dimensions in the GABAA receptor. *Journal of Computer-Aided Molecular Design*, **2016**, 30, 559-67	4.2	7
11	Homology modeling of the transmembrane domain of the GABAA receptor. *Biophysics (Russian Federation)*, **2017**, 62, 708-716	0.7	6
10	Genetic studies of Russian patients with amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2015**, 17, 135-41	3.6	6
9	Development of 1,3-thiazole analogues of imidazopyridines as potent positive allosteric modulators of GABA receptors. *Bioorganic Chemistry*, **2020**, 94, 103334	5.1	5
8	The binding of donepezil with external mouth of K+-channels of molluscan neurons. *Cellular and Molecular Neurobiology*, **2009**, 29, 219-24	4.6	4
7	A mathematical model of neural information processing at the cellular level. *BioSystems*, **1997**, 40, 159-67	1.9	4
6	The mechanisms of potentiation and inhibition of GABA receptors by non-steroidal anti-inflammatory drugs, mefenamic and niflumic acids. *Neuropharmacology*, **2019**, 160, 107795	5.5	3
5	SOD1 gene mutations in patients with amyotrophic lateral sclerosis: Potential of method of molecular modeling. *Molecular Biology*, **2013**, 47, 751-757	1.2	3
4	Intracellular studies of the interaction between paired-pulse facilitation and the delayed phase of long-term potentiation in the hippocampus. *Neuroscience and Behavioral Physiology*, **1999**, 29, 347-54	0.3	1

3	The general anesthetic etomidate and fenamate mefenamic acid oppositely affect GABAR and GlyR: a structural explanation. *European Biophysics Journal*, **2020**, 49, 591-607	1.9	1
2	Structural pharmacology of GABA receptors. *Annals of Clinical and Experimental Neurology*, **2021**, 15, 44-53		0
1	Synthesis and Evaluation of Avermectin Imidazo[1,2-a]pyridine Hybrids as Potent GABAA Receptor Modulators. *Bioorganic Chemistry*, **2022**, 105904	5.1	0