Alexey Rossokhin

List of Publications by Year
in descending order

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20 papers	243 citations	1040056 9 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	242 citing authors

#	Article	IF	Citations
1	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.	2.3	35
2	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.	2.2	28
3	Postsynaptic hyperpolarization increases the strength of AMPA-mediated synaptic transmission at large synapses between mossy fibers and CA3 pyramidal cells. Neuropharmacology, 2000, 39, 2288-2301.	4.1	24
4	Block of GABAA receptor ion channel by penicillin: Electrophysiological and modeling insights toward the mechanism. Molecular and Cellular Neurosciences, 2014, 63, 72-82.	2.2	20
5	Interaction of d-Tubocurarine with Potassium Channels: Molecular Modeling and Ligand Binding. Molecular Pharmacology, 2006, 69, 1356-1365.	2.3	19
6	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, 1425-1437.	2.6	18
7	Long-term synaptic changes induced by intracellular tetanization of CA3 pyramidal neurons in hippocampal slices from juvenile rats. Neuroscience, 1999, 93, 469-477.	2.3	16
8	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, 681-691.	2.3	14
9	Development of 1,3-thiazole analogues of imidazopyridines as potent positive allosteric modulators of GABAA receptors. Bioorganic Chemistry, 2020, 94, 103334.	4.1	12
10	Genetic studies of Russian patients with amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2016, 17, 135-141.	1.7	11
11	Side chain flexibility and the pore dimensions in the GABAA receptor. Journal of Computer-Aided Molecular Design, 2016, 30, 559-567.	2.9	8
12	The mechanisms of potentiation and inhibition of GABAA receptors by non-steroidal anti-inflammatory drugs, mefenamic and niflumic acids. Neuropharmacology, 2019, 160, 107795.	4.1	8
13	Homology modeling of the transmembrane domain of the GABAA receptor. Biophysics (Russian) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	7
14	The general anesthetic etomidate and fenamate mefenamic acid oppositely affect GABAAR and GlyR: a structural explanation. European Biophysics Journal, 2020, 49, 591-607.	2.2	5
15	A mathematical model of neural information processing at the cellular level. BioSystems, 1997, 40, 159-167.	2.0	4
16	The Binding of Donepezil with External Mouth of K+-Channels of Molluscan Neurons. Cellular and Molecular Neurobiology, 2009, 29, 219-224.	3.3	4
17	SOD1 gene mutations in patients with amyotrophic lateral sclerosis: Potential of method of molecular modeling. Molecular Biology, 2013, 47, 751-757.	1.3	4
18	Synthesis and evaluation of avermectinâ€“imidazo[1,2-a]pyridine hybrids as potent GABAA receptor modulators. Bioorganic Chemistry, 2022, 127, 105904.	4.1	4

#	Article	IF	Citations
19	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, 347-354.	0.4	1
20	Structural pharmacology of GABAÐ•receptors. Annals of Clinical and Experimental Neurology, 2021, 15, 44-53.	0.4	1