

Dmitry A Sibarov

List of Publications by Year in descending order

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39
papers

459
citations

840585

11
h-index

713332

21
g-index

49
all docs

49
docs citations

49
times ranked

601
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of NMDA and mGluR5 receptors in calcium mobilization and neurotoxicity of homocysteine in trigeminal and cortical neurons and glial cells. <i>Journal of Neurochemistry</i> , 2014, 129, 264-274.	2.1	67
2	Na ⁺ ,K ⁺ -ATPase Functionally Interacts with the Plasma Membrane Na ⁺ ,Ca ²⁺ Exchanger to Prevent Ca ²⁺ Overload and Neuronal Apoptosis in Excitotoxic Stress. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 596-607.	1.3	65
3	GluN2A Subunit-Containing NMDA Receptors Are the Preferential Neuronal Targets of Homocysteine. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 246.	1.8	36
4	Calcium-Dependent Desensitization of NMDA Receptors. <i>Biochemistry (Moscow)</i> , 2018, 83, 1173-1183.	0.7	36
5	Kainate-induced calcium overload of cortical neurons in vitro: Dependence on expression of AMPAR GluA2-subunit and down-regulation by subnanomolar ouabain. <i>Cell Calcium</i> , 2013, 54, 95-104.	1.1	31
6	Functional Properties of Human NMDA Receptors Associated with Epilepsy-Related Mutations of GluN2A Subunit. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 155.	1.8	31
7	Inhibition of Plasma Membrane Na/Ca-Exchanger by KB-R7943 or Lithium Reveals Its Role in Ca-Dependent <i>N</i> -methyl-d-aspartate Receptor Inactivation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 355, 484-495.	1.3	28
8	Pro-nociceptive migraine mediator CGRP provides neuroprotection of sensory, cortical and cerebellar neurons via multi-kinase signaling. <i>Cephalalgia</i> , 2017, 37, 1373-1383.	1.8	25
9	Downregulation of calcium-dependent NMDA receptor desensitization by sodium-calcium exchangers: a role of membrane cholesterol. <i>BMC Neuroscience</i> , 2018, 19, 73.	0.8	23
10	High sensitivity of cerebellar neurons to homocysteine is determined by expression of GluN2C and GluN2D subunits of NMDA receptors. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 648-652.	1.0	16
11	Dual action of amitriptyline on NMDA receptors: enhancement of Ca-dependent desensitization and trapping channel block. <i>Scientific Reports</i> , 2019, 9, 19454.	1.6	16
12	Developmental Changes of Synaptic and Extrasynaptic NMDA Receptor Expression in Rat Cerebellar Neurons In Vitro. <i>Journal of Molecular Neuroscience</i> , 2018, 64, 300-311.	1.1	9
13	Ethanol inhibition of NMDA receptors in calcium-dependent and “independent modes. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 1046-1051.	1.0	9
14	Calcium Export from Neurons and Multi-Kinase Signaling Cascades Contribute to Ouabain Neuroprotection in Hyperhomocysteinemia. <i>Biomolecules</i> , 2020, 10, 1104.	1.8	7
15	Tricyclic Antidepressant Structure-Related Alterations in Calcium-Dependent Inhibition and Open-Channel Block of NMDA Receptors. <i>Frontiers in Pharmacology</i> , 2021, 12, 815368.	1.6	7
16	Blockers of monoamine transporters influence high dopamine concentration uptake in rat brain slices. <i>Doklady Biological Sciences</i> , 2008, 419, 80-82.	0.2	6
17	GluN2 Subunit-Dependent Redox Modulation of NMDA Receptor Activation by Homocysteine. <i>Biomolecules</i> , 2020, 10, 1441.	1.8	6
18	Epitalon influences pineal secretion in stress-exposed rats in the daytime. <i>Neuroendocrinology Letters</i> , 2002, 23, 452-4.	0.2	5

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19	Dose-dependence of antiapoptotic and toxic action of ouabain in neurons of primary cultures of rat cortex. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2012, 6, 294-299.	0.3	4
20	Homocysteine-induced membrane currents, calcium responses and changes in mitochondrial potential in rat cortical neurons. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2015, 51, 296-304.	0.2	4
21	Downregulation of Purkinje Cell Activity by Modulators of Small Conductance Calcium-Activated Potassium Channels In Rat Cerebellum. <i>Acta Naturae</i> , 2016, 8, 91-99.	1.7	4
22	Mechanisms of heterogeneity of calcium response to kainate and neuronal types in rat cortical primary culture. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2011, 5, 92-100.	0.3	3
23	Collapse of Neuronal Energy Balance As a Basis of L-Homocysteine Neurotoxicity. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 360-368.	0.3	3
24	The Neuroprotective Effect of Forskolol and Its Influence of Mitochondrial Dysfunction in Neurons in Primary Rat Cerebellum Cultures. <i>Neuroscience and Behavioral Physiology</i> , 2019, 49, 1096-1099.	0.2	3
25	Effects of pineal-gland peptides on the electric activity of pinealocytes in rats. <i>Doklady Biological Sciences</i> , 2002, 385, 331-333.	0.2	2
26	Epileptiform postsynaptic currents in primary culture of rat cortical neurons: Calcium mechanisms. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2014, 8, 169-177.	0.3	2
27	Forskolin As a Neuroprotector and Modulator of Glutamate-Evoked Ca ²⁺ Entry into Cerebellar Neurons. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 390-393.	0.3	2
28	Nutritional and Metabolic Factors, Ethanol and Cholesterol, Interact With Calcium-Dependent N-Methyl-D-Aspartate Receptor Inhibition by Tricyclic Antidepressants. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	2
29	Characteristics of Postsynaptic Currents in Primary Cultures of Rat Cerebral Cortical Neurons. <i>Neuroscience and Behavioral Physiology</i> , 2015, 45, 431-439.	0.2	1
30	Adaptive morpho-functional changes of pinealocytes in colon tumor bearing rats. <i>Pathophysiology</i> , 1998, 5, 154.	1.0	0
31	Fluorescent Microscopic Study of Epithalon Binding in Maternal and Fetal Rabbit Tissues in Health and under Conditions of Placental Insufficiency. <i>Bulletin of Experimental Biology and Medicine</i> , 2005, 139, 615-618.	0.3	0
32	Reflection of the pattern of cortical activation in the phase structure of the human EEG. <i>Neuroscience and Behavioral Physiology</i> , 2007, 37, 875-888.	0.2	0
33	Effects of intranasal administration of epitalon on neuron activity in the rat neocortex. <i>Neuroscience and Behavioral Physiology</i> , 2007, 37, 889-893.	0.2	0
34	Comparative analysis of changes in membrane currents in neurons and astrocytes in rat hippocampal slices after stimulation of glutamatergic transmission. <i>Doklady Biological Sciences</i> , 2013, 449, 65-67.	0.2	0
35	Epileptiform currents in rat cortical neurons increase over time of the in vitro culture period. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 338-340.	0.3	0
36	The mechanism of neuroprotection by positive modulation of Ca ²⁺ -activated K ⁺ channels of cerebellar neurons in primary culture. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2017, 11, 248-251.	0.3	0

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37	The Importance of Extracellular Potassium for Differentiation of Cerebellar Purkinje Cells in Tissue Cultures. <i>Neuroscience and Behavioral Physiology</i> , 2020, 50, 115-118.	0.2	0
38	The Role of Ryanodine and IP3-receptors in Calcium Responses to Tricyclic Antidepressants in Rat Neocortical Neurons. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2021, 57, 694-703.	0.2	0
39	Effects of Lithium and Selective Inhibitors of Sodium-Calcium Exchanger on Its Transport Currents in Neurons and HEK293 Cells. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2022, 16, 29-37.	0.3	0