

Ekaterina I Tyulkova

List of Publications by Year in descending order

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51
papers

808
citations

567144

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526166

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51
all docs

51
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51
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Mild hypoxia preconditioning prevents impairment of passive avoidance learning and suppression of brain NGFI-A expression induced by severe hypoxia. <i>Behavioural Brain Research</i> , 2005, 160, 107-114.	1.2	88
2	The preconditioning modified neuronal expression of apoptosis-related proteins of Bcl-2 superfamily following severe hypobaric hypoxia in rats. <i>Brain Research</i> , 2006, 1089, 195-202.	1.1	83
3	Preconditioning induces prolonged expression of transcription factors pCREB and NF- κ B in the neocortex of rats before and following severe hypobaric hypoxia. <i>Journal of Neurochemistry</i> , 2008, 106, 1450-1458.	2.1	50
4	Preconditioning enhances the expression of mitochondrial antioxidant thioredoxin-2 in the forebrain of rats exposed to severe hypobaric hypoxia. <i>Journal of Neuroscience Research</i> , 2004, 78, 563-569.	1.3	49
5	The adaptive effects of hypoxic preconditioning of brain neurons. <i>Neuroscience and Behavioral Physiology</i> , 2003, 33, 1-11.	0.2	47
6	The augmentation of brain thioredoxin-1 expression after severe hypobaric hypoxia by the preconditioning in rats. <i>Neuroscience Letters</i> , 2004, 370, 224-229.	1.0	36
7	Antidepressant-like effects of mild hypoxia preconditioning in the learned helplessness model in rats. <i>Neuroscience Letters</i> , 2007, 417, 234-239.	1.0	36
8	Mild hypobaric hypoxia preconditioning up-regulates expression of transcription factors c-Fos and NGFI-A in rat neocortex and hippocampus. <i>Neuroscience Research</i> , 2009, 65, 360-366.	1.0	35
9	Involvement of the hypothalamic-pituitary-adrenal axis in the antidepressant-like effects of mild hypoxic preconditioning in rats. <i>Psychoneuroendocrinology</i> , 2007, 32, 813-823.	1.3	34
10	The effect of preconditioning on the Cu, Zn superoxide dismutase expression and enzyme activity in rat brain at the early period after severe hypobaric hypoxia. <i>Neuroscience Research</i> , 2005, 53, 39-47.	1.0	32
11	Mild preconditioning hypoxia modifies nerve growth factor-induced gene A messenger RNA expression in the rat brain induced by severe hypoxia. <i>Neuroscience Letters</i> , 2002, 329, 49-52.	1.0	29
12	Expression of early gene proteins, structural changes in brain neurons in hypobaric hypoxia, and the correcting effects of preconditioning. <i>Neuroscience and Behavioral Physiology</i> , 2005, 35, 383-388.	0.2	23
13	Pharmacological HIF1 Inhibition Eliminates Downregulation of the Pentose Phosphate Pathway and Prevents Neuronal Apoptosis in Rat Hippocampus Caused by Severe Hypoxia. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 635-646.	1.1	22
14	The possible use of hypoxic preconditioning for the prophylaxis of post-stress depressive episodes. <i>Neuroscience and Behavioral Physiology</i> , 2008, 38, 721-726.	0.2	18
15	Differential expression of ADAM15 and ADAM17 metalloproteases in the rat brain after severe hypobaric hypoxia and hypoxic preconditioning. <i>Neuroscience Research</i> , 2012, 72, 364-373.	1.0	17
16	Prenatal Hypoxia Induces Premature Aging Accompanied by Impaired Function of the Glutamatergic System in Rat Hippocampus. <i>Neurochemical Research</i> , 2021, 46, 550-563.	1.6	16
17	Thioredoxin-1 expression levels in rat hippocampal neurons in moderate hypobaric hypoxia. <i>Neuroscience and Behavioral Physiology</i> , 2009, 39, 1-5.	0.2	14
18	Neuroprotective Mechanism of Hypoxic Post-conditioning Involves HIF1-Associated Regulation of the Pentose Phosphate Pathway in Rat Brain. <i>Neurochemical Research</i> , 2019, 44, 1425-1436.	1.6	14

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19	The mitochondrial antioxidants thioredoxin-2 and Mn-superoxide dismutase are involved in the mechanisms of brain hypoxic tolerance. Doklady Biological Sciences, 2002, 387, 498-500.	0.2	13
20	Behavioral alteration in the adult rats prenatally exposed to para-chlorophenylalanine. Brain Research, 2007, 1169, 9-16.	1.1	13
21	Preconditioning modifies the activities of mitogen-activated protein kinases and c-Jun transcription factor in rat hippocampus after severe hypobaric hypoxia. Neurochemical Journal, 2007, 1, 219-226.	0.2	12
22	Long-Term Effects of Prenatal Severe Hypoxia on Central and Peripheral Components of the Glucocorticoid System in Rats. Developmental Neuroscience, 2020, 42, 145-158.	1.0	11
23	Hormonal mechanisms of neuroprotective effects of the mild hypoxic preconditioning in rats. Doklady Biological Sciences, 2008, 421, 239-240.	0.2	10
24	Maternal para-chlorophenylalanine exposure modifies central monoamines and behaviors in the adult offspring. Brain Research, 2008, 1234, 1-7.	1.1	10
25	Neuroprotective effect of hypobaric hypoxic postconditioning is accompanied by dna protection and lipid peroxidation changes in rat hippocampus. Neuroscience Letters, 2017, 639, 49-52.	1.0	10
26	Hypobaric hypoxia affects rat behavior and immediate early gene expression in the brain: the corrective effect of preconditioning. Doklady Biological Sciences, 2001, 381, 513-515.	0.2	8
27	Hypoxic preconditioning prevents development of post-stress depressions in rats. Doklady Biological Sciences, 2006, 411, 431-433.	0.2	8
28	The Expression Pattern of Pro- and Antiapoptotic Proteins Bax and Bcl-2 in Rat Brain Neurons in Response to Severe Hypobaric Hypoxia: The Correcting Effect of Hypoxic Preconditioning. Doklady Biological Sciences, 2005, 402, 176-178.	0.2	7
29	Effects of Moderate Hypobaric Hypoxic Preconditioning on the Expression of the Transcription Factors pCREB and NF- κ B in the Rat Hippocampus Before and After Severe Hypoxia. Neuroscience and Behavioral Physiology, 2010, 40, 852-857.	0.2	7
30	Effects of prenatal hypoxia on expression of thioredoxin-1 in the rat hippocampus at different stages of postnatal ontogeny. Neurochemical Journal, 2011, 5, 200-204.	0.2	7
31	Early postanoxic changes of polyphosphoinositides and bound Ca ²⁺ content in relation to neuronal activity in brain cortex. Resuscitation, 1992, 23, 33-43.	1.3	6
32	Preconditioning hypobaric hypoxia prevents anoxia-induced inhibition of generation of focal potentials in slices of olfactory cortex from rat brain. Bulletin of Experimental Biology and Medicine, 2001, 132, 1154-1156.	0.3	5
33	Training in the Morris Water Maze of Female and Male Rats Exposed to Hypoxia at Various Periods of Prenatal Development. Journal of Evolutionary Biochemistry and Physiology, 2005, 41, 660-664.	0.2	5
34	Changes in lipid peroxidation in the hippocampus and neocortex after severe hypobaric hypoxia in rats. Neurochemical Journal, 2009, 3, 184-190.	0.2	5
35	Effect of Prenatal Hypobaric Hypoxia on Glutamatergic Signal Transduction in Rat Brain. Bulletin of Experimental Biology and Medicine, 2011, 151, 275-277.	0.3	4
36	Prenatal Hypoxia Affects Nicotine Consumption and Withdrawal in Adult Rats via Impairment of the Glutamate System in the Brain. Molecular Neurobiology, 2022, 59, 4550-4561.	1.9	4

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37	Effects of preconditioning by mild hypobaric hypoxia on the expression of manganese superoxide dismutase in the rat hippocampus. <i>Neurochemical Journal</i> , 2007, 1, 312-317.	0.2	3
38	The characteristics of acetylation of histone H3 at Lys24 in the hippocampus and neocortex of rats that were exposed to hypoxic stress at different stages of prenatal development. <i>Neurochemical Journal</i> , 2017, 11, 309-314.	0.2	3
39	Effect of anoxia on changes in phosphoinositide content and single unit activity in the cat cerebral cortex. <i>Bulletin of Experimental Biology and Medicine</i> , 1991, 111, 292-294.	0.3	2
40	Dynamics of lipid peroxidation of membranes in cells and mitochondrial fraction of neocortex in non- and preconditioned rats after severe hypobaric hypoxia. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2011, 47, 187-195.	0.2	2
41	Threefold Exposure to Moderate Hypobaric Hypoxia Decreases the Expression of Cu,Zn-Superoxide Dismutase in Some Regions of Rat Hippocampus. <i>Bulletin of Experimental Biology and Medicine</i> , 2011, 151, 301-304.	0.3	2
42	Hypoxic preconditioning modifies activity of pro- and antioxidant systems in the rat hippocampus. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2012, 6, 333-337.	0.2	2
43	Time course of lipid peroxidation in hippocampal membranes of preconditioned and nonpreconditioned rats subjected to severe hypobaric hypoxia. <i>Neurochemical Journal</i> , 2010, 4, 122-127.	0.2	1
44	Effect of prenatal hypobaric hypoxia on activity of the rat brain phosphoinositide system. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2010, 46, 484-488.	0.2	1
45	A comparison of the effects of single and triple exposures to moderate hypobaric hypoxia on the expression of Cu, Zn-superoxide dismutase in the rat hippocampus. <i>Neurochemical Journal</i> , 2012, 6, 213-217.	0.2	1
46	Changes in the Expression of Mn-Superoxide Dismutase in the Rat Hippocampus after One and Three Episodes of Moderate Hypobaric Hypoxia. <i>Neuroscience and Behavioral Physiology</i> , 2012, 42, 792-796.	0.2	1
47	Comparison of the Effects of One and Three Sessions of Moderate Hypobaric Hypoxia on Thioredoxin-1 Expression in the Rat Hippocampus. <i>Neuroscience and Behavioral Physiology</i> , 2013, 43, 497-501.	0.2	1
48	Hypoxia postconditioning is an effective method of protection from severe hypoxia induced lipid peroxidation and neuronal apoptosis in rats. <i>SpringerPlus</i> , 2015, 4, .	1.2	1
49	Effect of hypobaric hypoxia on the rate of incorporation of acetate-1-14C into hydrophilic and hydrophobic components of brain phospholipids. <i>Bulletin of Experimental Biology and Medicine</i> , 1979, 88, 1422-1424.	0.3	0
50	Effect of acth on rate of 32P-orthophosphate uptake into synaptosomal phosphoinositides of the ischemic rat brain. <i>Bulletin of Experimental Biology and Medicine</i> , 1987, 103, 51-53.	0.3	0
51	Effect of hypobaric hypoxia on the development of long-term posttetanic potentiation in slices of rat olfactory cortex: Correction with hypoxic preconditioning. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 142, 546-547.	0.3	0