Ekaterina I Tyulkova

List of Publications by Year
in descending order

51	808	567281 15	526287 27
papers	citations	h-index	g-index

51	51	51	523
all docs	docs citations	times ranked	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. Behavioural Brain Research, 2005, 160, 107-114.	2.2	88
2	The preconditioning modified neuronal expression of apoptosis-related proteins of Bcl-2 superfamily following severe hypobaric hypoxia in rats. Brain Research, 2006, 1089, 195-202.	2.2	83
3	Preconditioning induces prolonged expression of transcription factors pCREB and NFâ€ºB in the neocortex of rats before and following severe hypobaric hypoxia. Journal of Neurochemistry, 2008, 106, 1450-1458.	3.9	50
4	Preconditioning enhances the expression of mitochondrial antioxidant thioredoxin-2 in the forebrain of rats exposed to severe hypobaric hypoxia. Journal of Neuroscience Research, 2004, 78, 563-569.	2.9	49
5	The adaptive effects of hypoxic preconditioning of brain neurons. Neuroscience and Behavioral Physiology, 2003, 33, 1-11.	0.4	47
6	The augmentation of brain thioredoxin-1 expression after severe hypobaric hypoxia by the preconditioning in rats. Neuroscience Letters, 2004, 370, 224-229.	2.1	36
7	Antidepressant-like effects of mild hypoxia preconditioning in the learned helplessness model in rats. Neuroscience Letters, 2007, 417, 234-239.	2.1	36
8	Mild hypobaric hypoxia preconditioning up-regulates expression of transcription factors c-Fos and NGFI-A in rat neocortex and hippocampus. Neuroscience Research, 2009, 65, 360-366.	1.9	35
9	Involvement of the hypothalamic-pituitary-adrenal axis in the antidepressant-like effects of mild hypoxic preconditioning in rats. Psychoneuroendocrinology, 2007, 32, 813-823.	2.7	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. Neuroscience Research, 2005, 53, 39-47.	1.9	32
11	Mild preconditioning hypoxia modifies nerve growth factor-induced gene A messenger RNA expression in the rat brain induced by severe hypoxia. Neuroscience Letters, 2002, 329, 49-52.	2.1	29
12	Expression of early gene proteins, structural changes in brain neurons in hypobaric hypoxia, and the correcting effects of preconditioning. Neuroscience and Behavioral Physiology, 2005, 35, 383-388.	0.4	23
13	Pharmacological HIF1 Inhibition Eliminates Downregulation of the Pentose Phosphate Pathway and Prevents Neuronal Apoptosis in Rat Hippocampus Caused by Severe Hypoxia. Journal of Molecular Neuroscience, 2020, 70, 635-646.	2.3	22
14	The possible use of hypoxic preconditioning for the prophylaxis of post-stress depressive episodes. Neuroscience and Behavioral Physiology, 2008, 38, 721-726.	0.4	18
15	Differential expression of ADAM15 and ADAM17 metalloproteases in the rat brain after severe hypobaric hypoxia and hypoxic preconditioning. Neuroscience Research, 2012, 72, 364-373.	1.9	17
16	Prenatal Hypoxia Induces Premature Aging Accompanied by Impaired Function of the Glutamatergic System in Rat Hippocampus. Neurochemical Research, 2021, 46, 550-563.	3.3	16
17	Thioredoxin-1 expression levels in rat hippocampal neurons in moderate hypobaric hypoxia. Neuroscience and Behavioral Physiology, 2009, 39, 1-5.	0.4	14
18	Neuroprotective Mechanism of Hypoxic Post-conditioning Involves HIF1-Associated Regulation of the Pentose Phosphate Pathway in Rat Brain. Neurochemical Research, 2019, 44, 1425-1436.	3.3	14

#	Article	IF	Citations
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.	0.6	13
20	Behavioral alteration in the adult rats prenatally exposed to para-chlorophenylalanine. Brain Research, 2007, 1169, 9-16.	2.2	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.	0.5	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.	2.0	11
23	Hormonal mechanisms of neuroprotective effects of the mild hypoxic preconditioning in rats. Doklady Biological Sciences, 2008, 421, 239-240.	0.6	10
24	Maternal para-chlorophenylalanine exposure modifies central monoamines and behaviors in the adult offspring. Brain Research, 2008, 1234, 1-7.	2.2	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.	2.1	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.	0.6	8
27	Hypoxic preconditioning prevents development of post-stress depressions in rats. Doklady Biological Sciences, 2006, 411, 431-433.	0.6	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.	0.6	7
29	Effects of Moderate Hypobaric Hypoxic Preconditioning on the Expression of the Transcription Factors pCREB and NF-lºB in the Rat Hippocampus Before and After Severe Hypoxia. Neuroscience and Behavioral Physiology, 2010, 40, 852-857.	0.4	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.	0.5	7
31	Early postanoxic changes of polyphosphoinositides and bound Ca2+ content in relation to neuronal activity in brain cortex. Resuscitation, 1992, 23, 33-43.	3.0	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.	0.8	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.	0.6	5
34	Changes in lipid peroxidation in the hippocampus and neocortex after severe hypobaric hypoxia in rats. Neurochemical Journal, 2009, 3, 184-190.	0.5	5
35	Effect of Prenatal Hypobaric Hypoxia on Glutamatergic Signal Transduction in Rat Brain. Bulletin of Experimental Biology and Medicine, 2011, 151, 275-277.	0.8	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.	4.0	4

#	Article	IF	Citations
37	Effects of preconditioning by mild hypobaric hypoxia on the expression of manganese superoxide dismutase in the rat hippocampus. Neurochemical Journal, 2007, 1, 312-317.	0.5	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. Neurochemical Journal, 2017, 11, 309-314.	0.5	3
39	Effect of anoxia on changes in phosphoinositide content and single unit activity in the cat cerebral cortex. Bulletin of Experimental Biology and Medicine, 1991, 111, 292-294.	0.8	2
40	Dynamics of lipid peroxidation of membranes in cells and mitochondrial fraction of neocortex in non- and preconditioned rats after severe hypobaric hypoxia. Journal of Evolutionary Biochemistry and Physiology, 2011, 47, 187-195.	0.6	2
41	Threefold Exposure to Moderate Hypobaric Hypoxia Decreases the Expression of Cu,Zn-Superoxide Dismutase in Some Regions of Rat Hippocampus. Bulletin of Experimental Biology and Medicine, 2011, 151, 301-304.	0.8	2
42	Hypoxic preconditioning modifies activity of pro- and antioxidant systems in the rat hippocampus. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2012, 6, 333-337.	0.4	2
43	Time course of lipid peroxidation in hippocampal membranes of preconditioned and nonpreconditioned rats subjected to severe hypobaric hypoxia. Neurochemical Journal, 2010, 4, 122-127.	0.5	1
44	Effect of prenatal hypobaric hypoxia on activity of the rat brain phosphoinositide system. Journal of Evolutionary Biochemistry and Physiology, 2010, 46, 484-488.	0.6	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. Neurochemical Journal, 2012, 6, 213-217.	0.5	1
46	Changes in the Expression of Mn-Superoxide Dismutase in the Rat Hippocampus after One and Three Episodes of Moderate Hypobaric Hypoxia. Neuroscience and Behavioral Physiology, 2012, 42, 792-796.	0.4	1
47	Comparison of the Effects of One and Three Sessions of Moderate Hypobaric Hypoxia on Thioredoxin-1 Expression in the Rat Hippocampus. Neuroscience and Behavioral Physiology, 2013, 43, 497-501.	0.4	1
48	HypoxiÑ•postconditioning is an effective method of protection from severe hypoxia induced lipid peroxidation and neuronal apoptosis in rats. SpringerPlus, 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. Bulletin of Experimental Biology and Medicine, 1979, 88, 1422-1424.	0.8	0
50	Effect of acth on rate of32P-orthophosphate uptake into synaptosomal phosphoinositides of the ischemic rat brain. Bulletin of Experimental Biology and Medicine, 1987, 103, 51-53.	0.8	0
51	Effect of hypobaric hypoxia on the development of long-term posttetanic potentiation in slices of rat olfactory cortex: Correction with hypoxic preconditioning. Bulletin of Experimental Biology and Medicine, 2006, 142, 546-547.	0.8	0