Natalia I Agalakova

List of Publications by Year
in descending order

46	1,119	567281 15	434195 31
papers	citations	h-index	g-index

46	46	46	728
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential protein expression of mitogen-activated protein kinases in erythrocytes and liver of lamprey Lampetra fluviatilis on the course of prespawning starvation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 264, 111108.	1.8	1
2	Canrenone Restores Vasorelaxation Impaired by Marinobufagenin in Human Preeclampsia. International Journal of Molecular Sciences, 2022, 23, 3336.	4.1	5
3	Silencing of Fli1 Gene Mimics Effects of Preeclampsia and Induces Collagen Synthesis in Human Umbilical Arteries. American Journal of Hypertension, 2022, 35, 828-832.	2.0	2
4	Preeclampsia: Cardiotonic Steroids, Fibrosis, Fli1 and Hint to Carcinogenesis. International Journal of Molecular Sciences, 2021, 22, 1941.	4.1	8
5	Antibody against Na/K-ATPase Inhibitor Lowers Blood Pressure and Increases Vascular Fli1 in Experimental Preeclampsia. American Journal of Hypertension, 2020, 33, 514-519.	2.0	5
6	Cognitive Decline of Rats with Chronic Fluorosis Is Associated with Alterations in Hippocampal Calpain Signaling. Biological Trace Element Research, 2020, 197, 495-506.	3.5	17
7	Inorganic fluoride and functions of brain. Critical Reviews in Toxicology, 2020, 50, 28-46.	3.9	29
8	Activation of Fas Receptors, Caspase-8 and Caspase-3 by Fluoride Ions in Rat Erythrocytes in vitro. Journal of Evolutionary Biochemistry and Physiology, 2019, 55, 97-103.	0.6	4
9	Cardiotonic Steroids Induce Vascular Fibrosis Via Pressure-Independent Mechanism in NaCl-Loaded Diabetic Rats. Journal of Cardiovascular Pharmacology, 2019, 74, 436-442.	1.9	10
10	Endogenous Bufadienolides, Fibrosis and Preeclampsia. Cardiology Research and Practice, 2019, 2019, 1-7.	1.1	5
11	Endogenous cardiotonic steroids and vascular fibrosis in preeclampsia. Arterial Hypertension (Russian Federation), 2019, 24, 684-692.	0.4	2
12	Comparative Analysis of PKÐ¡Î± and PKCÎ¶ Activities in Rat and Lamprey Erythrocytes of Different Ages. Journal of Evolutionary Biochemistry and Physiology, 2018, 54, 175-184.	0.6	1
13	Antibody to Marinobufagenin Reverses Placenta-Induced Fibrosis of Umbilical Arteries in Preeclampsia. International Journal of Molecular Sciences, 2018, 19, 2377.	4.1	14
14	Understanding quasi-apoptosis of the most numerous enucleated components of blood needs detailed molecular autopsy. Ageing Research Reviews, 2017, 35, 46-62.	10.9	21
15	Apoptotic death in erythrocytes of lamprey Lampetra fluviatilis induced by ionomycin and tert-butyl hydroperoxide. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 194, 48-60.	2.6	2
16	ATP-consuming processes in hepatocytes of river lamprey Lampetra fluviatilis on the course of prespawning starvation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 201, 95-100.	1.8	2
17	Excessive Fluoride Consumption Leads to Accelerated Death of Erythrocytes and Anemia in Rats. Biological Trace Element Research, 2013, 153, 340-349.	3.5	13
18	Transient activation of protein kinase C contributes to fluoride-induced apoptosis of rat erythrocytes. Toxicology in Vitro, 2013, 27, 2335-2341.	2.4	7

#	Article	IF	Citations
19	Molecular Mechanisms of Cytotoxicity and Apoptosis Induced by Inorganic Fluoride. , 2012, 2012, 1-16.		101
20	Fluoride induces oxidative stress and ATP depletion in the rat erythrocytes in vitro. Environmental Toxicology and Pharmacology, 2012, 34, 334-337.	4.0	50
21	Fluoride-induced death of rat erythrocytes in vitro. Toxicology in Vitro, 2011, 25, 1609-1618.	2.4	27
22	Effect of inorganic fluoride on living organisms of different phylogenetic level. Journal of Evolutionary Biochemistry and Physiology, 2011, 47, 393-406.	0.6	9
23	Regulation of Kâ€“Cl cotransport in erythrocytes of frog Rana temporaria by commonly used protein kinase and protein phosphatase inhibitors. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 385-391.	1.5	7
24	Endogenous Cardiotonic Steroids and Differential Patterns of Sodium Pump Inhibition in NaCl-Loaded Salt-Sensitive and Normotensive Rats. American Journal of Hypertension, 2009, 22, 559-563.	2.0	30
25	Effects of phorbol 12-myristate 13-acetate on potassium transport in the red blood cells of frog Rana temporaria. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 443-450.	1.5	4
26	Monoclonal antibody to an endogenous bufadienolide, marinobufagenin, reverses preeclampsia-induced Na/K-ATPase inhibition and lowers blood pressure in NaCl-sensitive hypertension. Journal of Hypertension, 2008, 26, 2414-2425.	0.5	73
27	Intrahippocampal microinjection of an exquisitely low dose of ouabain mimics NaCl loading and stimulates a bufadienolide Na/K-ATPase inhibitor. Journal of Hypertension, 2007, 25, 1834-1844.	0.5	32
28	Activation of sodium transport in rat erythrocytes by inhibition of protein phosphatases 1 and 2A. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2006, 145, 60-67.	1.6	4
29	ANP Differentially Modulates Marinobufagenin-Induced Sodium Pump Inhibition in Kidney and Aorta. Hypertension, 2006, 48, 1160-1168.	2.7	34
30	Antibody to marinobufagenin lowers blood pressure in pregnant rats on a high NaCl intake. Journal of Hypertension, 2005, 23, 835-842.	0.5	79
31	Brain ouabain stimulates peripheral marinobufagenin via angiotensin II signalling in NaCl-loaded Dahl-S rats. Journal of Hypertension, 2005, 23, 1515-1523.	0.5	79
32	Coordinated shifts in Na/K-ATPase isoforms and their endogenous ligands during cardiac hypertrophy and failure in NaCl-sensitive hypertension. Journal of Hypertension, 2004, 22, 389-397.	0.5	32
33	Effect of protein kinase C activation on Na+â€“H+ exchange in erythrocytes of frog Rana temporaria. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2003, 134, 11-20.	1.8	4
34	Myocardial PKC Î²2 and the Sensitivity of Na/K-ATPase to Marinobufagenin Are Reduced by Cicletanine in Dahl Hypertension. Hypertension, 2003, 41, 505-511.	2.7	25
35	Endogenous Ligand of Î± 1 Sodium Pump, Marinobufagenin, Is a Novel Mediator of Sodium Chlorideâ€“Dependent Hypertension. Circulation, 2002, 105, 1122-1127.	1.6	155
36	Marinobufagenin, an endogenous ligand of alpha-1 sodium pump, is a marker of congestive heart failure severity. Journal of Hypertension, 2002, 20, 1189-1194.	0.5	66

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37	Marinobufagenin (MBG) suppression of ethanol-seeking behavior is associated with inhibition of brain cortex Na/K-ATPase in mice. European Neuropsychopharmacology, 2002, 12, 217-223.	0.7	12
38	Racial differences in resting end-tidal CO2 and circulating sodium pump inhibitor. American Journal of Hypertension, 2001, 14, 761-767.	2.0	11
39	Marinobufagenin, an Endogenous Î±-1 Sodium Pump Ligand, in Hypertensive Dahl Salt-Sensitive Rats. Hypertension, 2001, 37, 462-466.	2.7	102
40	Activation of the Na,K-pump by isoproterenol, methylxanthines, and iodoacetate in erythrocytes of the frogRana temporaria. Journal of Evolutionary Biochemistry and Physiology, 2000, 36, 143-150.	0.6	1
41	Kinetics of K-Cl Cotransport in Frog Erythrocyte Membrane: Effect of External Sodium. Journal of Membrane Biology, 1999, 172, 203-213.	2.1	5
42	Temperature Effects on Ion Transport Across the Erythrocyte Membrane of the Frog Rana temporaria. Comparative Biochemistry and Physiology A, Comparative Physiology, 1997, 117, 411-418.	0.6	9
43	Differential effects of glycolytic and oxidative metabolism blockers on the Na-K pump in erythrocytes of the frog, Rana temporaria. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1997, 167, 576-581.	1.5	3
44	Activation of the na+$z.sbnd;-k+ pump in frog erythrocytes by catecholamines and phosphodiesterase blockers. Biochemical Pharmacology, 1996, 52, 1347-1353.	4.4	7
45	Potassium transport in red blood cells of frog Rana temporaria: demonstration of a K?Cl cotransport. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1995, 165, 230-7.	1.5	10
46	Sodium transport in erythrocytes of the mollusc Anadara broughtonii: Evidence for inhibition by quinine. Comparative Biochemistry and Physiology A, Comparative Physiology, 1994, 109, 939-948.	0.6	0