

Natalia I Agalakova

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2583170/publications.pdf>

Version: 2024-02-01

46
papers

1,119
citations

567281

15
h-index

434195

31
g-index

46
all docs

46
docs citations

46
times ranked

728
citing authors

#	ARTICLE	IF	CITATIONS
1	Endogenous Ligand of $\hat{\pm}$ 1 Sodium Pump, Marinobufagenin, Is a Novel Mediator of Sodium Chloride-Dependent Hypertension. <i>Circulation</i> , 2002, 105, 1122-1127.	1.6	155
2	Marinobufagenin, an Endogenous $\hat{\pm}$ -1 Sodium Pump Ligand, in Hypertensive Dahl Salt-Sensitive Rats. <i>Hypertension</i> , 2001, 37, 462-466.	2.7	102
3	Molecular Mechanisms of Cytotoxicity and Apoptosis Induced by Inorganic Fluoride. , 2012, 2012, 1-16.		101
4	Antibody to marinobufagenin lowers blood pressure in pregnant rats on a high NaCl intake. <i>Journal of Hypertension</i> , 2005, 23, 835-842.	0.5	79
5	Brain ouabain stimulates peripheral marinobufagenin via angiotensin II signalling in NaCl-loaded Dahl-S rats. <i>Journal of Hypertension</i> , 2005, 23, 1515-1523.	0.5	79
6	Monoclonal antibody to an endogenous bufadienolide, marinobufagenin, reverses preeclampsia-induced Na/K-ATPase inhibition and lowers blood pressure in NaCl-sensitive hypertension. <i>Journal of Hypertension</i> , 2008, 26, 2414-2425.	0.5	73
7	Marinobufagenin, an endogenous ligand of alpha-1 sodium pump, is a marker of congestive heart failure severity. <i>Journal of Hypertension</i> , 2002, 20, 1189-1194.	0.5	66
8	Fluoride induces oxidative stress and ATP depletion in the rat erythrocytes in vitro. <i>Environmental Toxicology and Pharmacology</i> , 2012, 34, 334-337.	4.0	50
9	ANP Differentially Modulates Marinobufagenin-Induced Sodium Pump Inhibition in Kidney and Aorta. <i>Hypertension</i> , 2006, 48, 1160-1168.	2.7	34
10	Coordinated shifts in Na/K-ATPase isoforms and their endogenous ligands during cardiac hypertrophy and failure in NaCl-sensitive hypertension. <i>Journal of Hypertension</i> , 2004, 22, 389-397.	0.5	32
11	Intrahippocampal microinjection of an exquisitely low dose of ouabain mimics NaCl loading and stimulates a bufadienolide Na/K-ATPase inhibitor. <i>Journal of Hypertension</i> , 2007, 25, 1834-1844.	0.5	32
12	Endogenous Cardiogenic Steroids and Differential Patterns of Sodium Pump Inhibition in NaCl-Loaded Salt-Sensitive and Normotensive Rats. <i>American Journal of Hypertension</i> , 2009, 22, 559-563.	2.0	30
13	Inorganic fluoride and functions of brain. <i>Critical Reviews in Toxicology</i> , 2020, 50, 28-46.	3.9	29
14	Fluoride-induced death of rat erythrocytes in vitro. <i>Toxicology in Vitro</i> , 2011, 25, 1609-1618.	2.4	27
15	Myocardial PKC $\hat{2}$ and the Sensitivity of Na/K-ATPase to Marinobufagenin Are Reduced by Cicletanine in Dahl Hypertension. <i>Hypertension</i> , 2003, 41, 505-511.	2.7	25
16	Understanding quasi-apoptosis of the most numerous enucleated components of blood needs detailed molecular autopsy. <i>Ageing Research Reviews</i> , 2017, 35, 46-62.	10.9	21
17	Cognitive Decline of Rats with Chronic Fluorosis Is Associated with Alterations in Hippocampal Calpain Signaling. <i>Biological Trace Element Research</i> , 2020, 197, 495-506.	3.5	17
18	Antibody to Marinobufagenin Reverses Placenta-Induced Fibrosis of Umbilical Arteries in Preeclampsia. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2377.	4.1	14

#	ARTICLE	IF	CITATIONS
19	Excessive Fluoride Consumption Leads to Accelerated Death of Erythrocytes and Anemia in Rats. <i>Biological Trace Element Research</i> , 2013, 153, 340-349.	3.5	13
20	Marinobufagenin (MBG) suppression of ethanol-seeking behavior is associated with inhibition of brain cortex Na/K-ATPase in mice. <i>European Neuropsychopharmacology</i> , 2002, 12, 217-223.	0.7	12
21	Racial differences in resting end-tidal CO ₂ and circulating sodium pump inhibitor. <i>American Journal of Hypertension</i> , 2001, 14, 761-767.	2.0	11
22	Potassium transport in red blood cells of frog <i>Rana temporaria</i> : demonstration of a K ⁺ Cl ⁻ cotransport. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1995, 165, 230-7.	1.5	10
23	Cardiotonic Steroids Induce Vascular Fibrosis Via Pressure-Independent Mechanism in NaCl-Loaded Diabetic Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 436-442.	1.9	10
24	Temperature Effects on Ion Transport Across the Erythrocyte Membrane of the Frog <i>Rana temporaria</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 117, 411-418.	0.6	9
25	Effect of inorganic fluoride on living organisms of different phylogenetic level. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2011, 47, 393-406.	0.6	9
26	Preeclampsia: Cardiotonic Steroids, Fibrosis, Fli1 and Hint to Carcinogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1941.	4.1	8
27	Activation of the Na ⁺ /K ⁺ pump in frog erythrocytes by catecholamines and phosphodiesterase blockers. <i>Biochemical Pharmacology</i> , 1996, 52, 1347-1353.	4.4	7
28	Regulation of K ⁺ Cl ⁻ cotransport in erythrocytes of frog <i>Rana temporaria</i> by commonly used protein kinase and protein phosphatase inhibitors. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 385-391.	1.5	7
29	Transient activation of protein kinase C contributes to fluoride-induced apoptosis of rat erythrocytes. <i>Toxicology in Vitro</i> , 2013, 27, 2335-2341.	2.4	7
30	Kinetics of K-Cl Cotransport in Frog Erythrocyte Membrane: Effect of External Sodium. <i>Journal of Membrane Biology</i> , 1999, 172, 203-213.	2.1	5
31	Endogenous Bufadienolides, Fibrosis and Preeclampsia. <i>Cardiology Research and Practice</i> , 2019, 2019, 1-7.	1.1	5
32	Antibody against Na/K-ATPase Inhibitor Lowers Blood Pressure and Increases Vascular Fli1 in Experimental Preeclampsia. <i>American Journal of Hypertension</i> , 2020, 33, 514-519.	2.0	5
33	Canrenone Restores Vasorelaxation Impaired by Marinobufagenin in Human Preeclampsia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3336.	4.1	5
34	Effect of protein kinase C activation on Na ⁺ /H ⁺ exchange in erythrocytes of frog <i>Rana temporaria</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 134, 11-20.	1.8	4
35	Activation of sodium transport in rat erythrocytes by inhibition of protein phosphatases 1 and 2A. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 145, 60-67.	1.6	4
36	Effects of phorbol 12-myristate 13-acetate on potassium transport in the red blood cells of frog <i>Rana temporaria</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 443-450.	1.5	4

#	ARTICLE	IF	CITATIONS
37	Activation of Fas Receptors, Caspase-8 and Caspase-3 by Fluoride Ions in Rat Erythrocytes in vitro. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2019, 55, 97-103.	0.6	4
38	Differential effects of glycolytic and oxidative metabolism blockers on the Na-K pump in erythrocytes of the frog, <i>Rana temporaria</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1997, 167, 576-581.	1.5	3
39	ATP-consuming processes in hepatocytes of river lamprey <i>Lampetra fluviatilis</i> on the course of prespawning starvation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 201, 95-100.	1.8	2
40	Apoptotic death in erythrocytes of lamprey <i>Lampetra fluviatilis</i> induced by ionomycin and tert-butyl hydroperoxide. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 194, 48-60.	2.6	2
41	Endogenous cardiogenic steroids and vascular fibrosis in preeclampsia. <i>Arterial Hypertension (Russian Federation)</i> , 2019, 24, 684-692.	0.4	2
42	Silencing of Fli1 Gene Mimics Effects of Preeclampsia and Induces Collagen Synthesis in Human Umbilical Arteries. <i>American Journal of Hypertension</i> , 2022, 35, 828-832.	2.0	2
43	Activation of the Na,K-pump by isoproterenol, methylxanthines, and iodoacetate in erythrocytes of the frog <i>Rana temporaria</i> . <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2000, 36, 143-150.	0.6	1
44	Comparative Analysis of PKD β and PKC η Activities in Rat and Lamprey Erythrocytes of Different Ages. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2018, 54, 175-184.	0.6	1
45	Differential protein expression of mitogen-activated protein kinases in erythrocytes and liver of lamprey <i>Lampetra fluviatilis</i> on the course of prespawning starvation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 264, 111108.	1.8	1
46	Sodium transport in erythrocytes of the mollusc <i>Anadara broughtonii</i> : Evidence for inhibition by quinine. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1994, 109, 939-948.	0.6	0