Galina D Mironova

List of Publications by Year
in descending order

39 papers	822 citations	471509 17 h-index	501196 28 g-index
41 all docs	41 docs citations	41 times ranked	592 citing authors

#	Article	IF	Citations
1	Intranasal administration of mitochondria improves spatial memory in olfactory bulbectomized mice. Experimental Biology and Medicine, 2022, 247, 416-425.	2.4	9
2	The Short-Term Opening of Cyclosporin A-Independent Palmitate/Sr2+-Induced Pore Can Underlie Ion Efflux in the Oscillatory Mode of Functioning of Rat Liver Mitochondria. Membranes, 2022, 12, 667.	3.0	1
3	Uridine treatment prevents myocardial injury in rat models of acute ischemia and ischemia/reperfusion by activating the mitochondrial ATP-dependent potassium channel. Scientific Reports, 2021, 11, 16999.	3.3	25
4	Signaling Role of Mitochondrial Enzymes and Ultrastructure in the Formation of Molecular Mechanisms of Adaptation to Hypoxia. International Journal of Molecular Sciences, 2021, 22, 8636.	4.1	9
5	Mitochondrial Cyclosporine A-Independent Palmitate/Ca2+-Induced Permeability Transition Pore (PA-mPT Pore) and Its Role in Mitochondrial Function and Protection against Calcium Overload and Glutamate Toxicity. Cells, 2021, 10, 125.	4.1	15
6	Energy metabolism and oxidative status of rat liver mitochondria in conditions of experimentally induced hyperthyroidism. Mitochondrion, 2020, 52, 190-196.	3.4	16
7	Effect of hypoxia on mitochondrial enzymes and ultrastructure in the brain cortex of rats with different tolerance to oxygen shortage. Journal of Bioenergetics and Biomembranes, 2019, 51, 329-340.	2.3	16
8	Uridine as a protector against hypoxia-induced lung injury. Scientific Reports, 2019, 9, 9418.	3.3	10
9	Dynamic Restructuring of the Myocardial Mitochondria in Response to Uridine Modulation of the Activity of Mitochondrial ATP-Dependent Potassium Channel under Conditions of Acute Hypoxic Hypoxia. Bulletin of Experimental Biology and Medicine, 2019, 166, 806-810.	0.8	6
10	The role of mitochondrial KATP channel in anti-inflammatory effects of uridine in endotoxemic mice. Archives of Biochemistry and Biophysics, 2018, 654, 70-76.	3.0	23
11	Formation of lamellar bodies in rat liver mitochondria in hyperthyroidism. Journal of Bioenergetics and Biomembranes, 2018, 50, 289-295.	2.3	8
12	Energetic, oxidative and ionic exchange in rat brain and liver mitochondria at experimental audiogenic epilepsy (Krushinskyâ€“Molodkina model). Journal of Bioenergetics and Biomembranes, 2017, 49, 149-158.	2.3	11
13	Effects of manganese on potassium outflow from erythrocytes and on respiration of rat liver mitochondria. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2017, 11, 77-81.	0.6	0
14	Ultrastructural localization of the ROMK potassium channel in rat liver and heart. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2016, 10, 195-198.	0.6	3
15	Effect of surface-potential modulators on the opening of lipid pores in liposomal and mitochondrial inner membranes induced by palmitate and calcium ions. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2200-2205.	2.6	10
16	Structural and dynamic changes in mitochondria of rat myocardium under acute hypoxic hypoxia: Role of mitochondrial ATP-dependent potassium channel. Biochemistry (Moscow), 2015, 80, 994-1000.	1.5	13
17	Involvement of palmitate/Ca2+(Sr2+)-induced pore in the cycling of ions across the mitochondrial membrane. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 488-495.	2.6	11
18	Detection of KIR6 family protein in rat heart and liver mitochondria by immunoelectron microscopy. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2014, 8, 121-124.	0.6	0

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19	Ca2+-dependent permeabilization of mitochondria and liposomes by palmitic and oleic acids: A comparative study. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2600-2606.	2.6	34
20	The role of the ATP-sensitive potassium channel in the activation of the K+ cycle in rat liver mitochondria. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2014, 8, 178-182.	0.6	0
21	Mitochondrial lipid pore in the mechanism of glutamate-induced calcium deregulation of brain neurons. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2012, 6, 45-55.	0.6	4
22	Palmitic Acid Induces the Opening of a Ca2+-Dependent Pore in the Plasma Membrane of Red Blood Cells: The Possible Role of the Pore in Erythrocyte Lysis. Journal of Membrane Biology, 2010, 237, 13-19.	2.1	12
23	Functioning of the mitochondrial ATP-dependent potassium channel in rats varying in their resistance to hypoxia. Involvement of the channel in the process of animalâ€™s adaptation to hypoxia. Journal of Bioenergetics and Biomembranes, 2010, 42, 473-481.	2.3	33
24	Physiological aspects of the mitochondrial cyclosporin A-insensitive palmitate/Ca2+-induced pore: tissue specificity, age profile and dependence on the animalâ€™s adaptation to hypoxia. Journal of Bioenergetics and Biomembranes, 2009, 41, 395-401.	2.3	22
25	Ca2+-Induced Phase Separation in the Membrane of Palmitate-Containing Liposomes and Its Possible Relation to Membrane Permeabilization. Journal of Membrane Biology, 2007, 215, 57-68.	2.1	27
26	Mitochondrial Ca2+ cycle mediated by the palmitate-activated cyclosporin a-insensitive pore. Journal of Bioenergetics and Biomembranes, 2007, 39, 167-174.	2.3	18
27	On the mechanism of palmitic acid-induced apoptosis: the role of a pore induced by palmitic acid and Ca2+ in mitochondria. Journal of Bioenergetics and Biomembranes, 2006, 38, 113-120.	2.3	31
28	The cardioprotective effect of uridine and uridine-5â€²-monophosphate: The role of the mitochondrial ATP-dependent potassium channel. Experimental Gerontology, 2006, 41, 697-703.	2.8	48
29	Functional Distinctions between the Mitochondrial ATP-dependent K+ Channel (mitoKATP) and Its Inward Rectifier Subunit (mitoKIR). Journal of Biological Chemistry, 2004, 279, 32562-32568.	3.4	91
30	Formation of Palmitic Acid/Ca2+Complexes in the Mitochondrial Membrane: A Possible Role in the Cyclosporin-Insensitive Permeability Transition. Journal of Bioenergetics and Biomembranes, 2004, 36, 171-178.	2.3	38
31	A permeability transition in liposomes induced by the formation of Ca2+/palmitic acid complexes. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1609, 153-160.	2.6	58
32	Palmitic and stearic acids bind Ca2+ with high affinity and form nonspecific channels in black-lipid membranes. Possible relation to Ca2+-activated mitochondrial pores. Journal of Bioenergetics and Biomembranes, 2001, 33, 319-331.	2.3	53
33	Reconstitution of the mitochondrial ATP-dependent potassium channel into bilayer lipid membrane. Journal of Bioenergetics and Biomembranes, 1999, 31, 159-163.	2.3	41
34	<title>Solubilization of membrane proteins in ethanol: new perspective method for isolation of ion channels</title>. , 1997, , .		0
35	Oscillating Ca2+-induced channel activity obtained in BLM with a mitochondrial membrane component. Journal of Bioenergetics and Biomembranes, 1997, 29, 561-569.	2.3	10
36	Purification of the channel component of the mitochondrial calcium uniporter and its reconstitution into planar lipid bilayers. Journal of Bioenergetics and Biomembranes, 1994, 26, 231-238.	2.3	36

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37	Inhibition of the mitochondrial calcium uniporter by antibodies against a 40-kDa glycorproteinT. Journal of Bioenergetics and Biomembranes, 1993, 25, 307-312.	2.3	33
38	Ion-transporting properties and ATPase activity of (Na+ + K+)-ATPase large subunit incorporated into bilayer lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 1986, 861, 224-236.	2.6	12
39	Isolation and properties of Ca2+-transporting glycoprotein and peptide from beef heart mitochondria. Journal of Bioenergetics and Biomembranes, 1982, 14, 213-225.	2.3	33