Elena A Belyaeva

List of Publications by Year
in descending order

25 papers	824 citations	687220 13 h-index	642610 23 g-index
25 all docs	25 docs citations	25 times ranked	876 citing authors

#	Article	IF	Citations
1	Mitochondria as an important target in heavy metal toxicity in rat hepatoma AS-30D cells. Toxicology and Applied Pharmacology, 2008, 231, 34-42.	1.3	119
2	Mitochondrial Electron Transport Chain in Heavy Metal-Induced Neurotoxicity: Effects of Cadmium, Mercury, and Copper. Scientific World Journal, The, 2012, 2012, 1-14.	0.8	116
3	In vitro modulation of heavy metal-induced rat liver mitochondria dysfunction: A comparison of copper and mercury with cadmium. Journal of Trace Elements in Medicine and Biology, 2011, 25, S63-S73.	1.5	75
4	Cyclosporin A-sensitive permeability transition pore is involved in Cd2+-induced dysfunction of isolated rat liver mitochondria: doubts no more. Archives of Biochemistry and Biophysics, 2002, 405, 252-264.	1.4	68
5	Mechanism of primary Cd2+-induced rat liver mitochondria dysfunction: discrete modes of Cd2+ action on calcium and thiol-dependent domains. Toxicology and Applied Pharmacology, 2003, 192, 56-68.	1.3	65
6	Reactive oxygen species produced by the mitochondrial respiratory chain are involved in Cd2+-induced injury of rat ascites hepatoma AS-30D cells. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1568-1574.	0.5	60
7	Cd2+ -promoted mitochondrial permeability transition: a comparison with other heavy metals.. Acta Biochimica Polonica, 2019, 51, 545-551.	0.3	56
8	Bivalent metal ions modulate Cd2+ effects on isolated rat liver mitochondria. Journal of Bioenergetics and Biomembranes, 2001, 33, 303-318.	1.0	50
9	Photomodification of Mitochondrial Proteins by Azido Fatty Acids and Its Effect on Mitochondrial Energetics. Further Evidence for the Role of the ADP/ATP Carrier in Fatty-Acid-Mediated Uncoupling. FEBS Journal, 1996, 240, 387-393.	0.2	44
10	A comparative study on the system of active transport of organic acids in Malpighian tubules of insects. Journal of Insect Physiology, 1990, 36, 259-270.	0.9	43
11	Cd2+ versus Ca2+-produced mitochondrial membrane permeabilization: a proposed direct participation of respiratory complexes I and III. Chemico-Biological Interactions, 2004, 150, 253-270.	1.7	35
12	Bioenergetic parameters of lamprey and frog liver mitochondria during metabolic depression and activity. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2006, 145, 296-305.	0.7	20
13	Respiratory complex II in mitochondrial dysfunction-mediated cytotoxicity: Insight from cadmium. Journal of Trace Elements in Medicine and Biology, 2018, 50, 80-92.	1.5	14
14	Mechanism(s) of Toxic Action of Zn²⁺and Selenite: A Study on AS-30D Hepatoma Cells and Isolated Mitochondria. Biochemistry Research International, 2011, 2011, 1-13.	1.5	13
15	Mitochondrial respiratory chain inhibitors modulate the metal-induced inner mitochondrial membrane permeabilization.. Acta Biochimica Polonica, 2010, 57, .	0.3	12
16	Peculiarities of functioning of liver mitochondria of the river lamprey Lampetra fluviatilis and the common frog Rana temporaria at periods of suppression and activation of energy metabolism. Journal of Evolutionary Biochemistry and Physiology, 2007, 43, 564-572.	0.2	7
17	On the Mechanism(s) of Membrane Permeability Transition in Liver Mitochondria of Lamprey,Lampetra fluviatilis L.: Insights from Cadmium. BioMed Research International, 2014, 2014, 1-14.	0.9	7
18	Mitochondrial respiratory chain inhibitors modulate the metal-induced inner mitochondrial membrane permeabilization. Acta Biochimica Polonica, 2010, 57, 435-41.	0.3	6

#	Article	IF	Citations
19	A comparative study on the system of active transport of organic acids in malpighian tubules of the tropical cockroach, Blaberus giganteus. Comparative Biochemistry and Physiology A, Comparative Physiology, 1985, 80, 393-397.	0.7	4
20	Effect of diazoxide on AS-30D rat ascites hepatoma cells treated by Cd2+. Journal of Evolutionary Biochemistry and Physiology, 2013, 49, 489-497.	0.2	4
21	The effect of modulators of large-conductance Ca2+-modulated K+ channels on rat AS-30D ascites hepatoma cells and isolated liver mitochondria treated with Cd2+. Journal of Evolutionary Biochemistry and Physiology, 2015, 51, 259-270.	0.2	3
22	Dependence of transport of sodium and potassium ions across the cell membrane on energy metabolism in oocytes of the lamprey Lampetra fluviatilis. Journal of Evolutionary Biochemistry and Physiology, 2008, 44, 373-375.	0.2	1
23	Cd(2+)-induced injury of rat ascites hepatoma AS-30D cells: A possible involvement of Ca(2+)-activated large-conductance potassium channels. Mitochondrion, 2013, 13, 927.	1.6	1
24	Mitigating effect of paxilline against injury produced by Cd2+ in rat pheochromocytoma PC12 and ascites hepatoma AS-30D cells. Ecotoxicology and Environmental Safety, 2020, 196, 110519.	2.9	1
25	Stigmatellin as a modulator of metal-induced inner mitochondrial membrane permeabilization. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 79.	0.5	0