Alexey V Berezhnov

List of Publications by Year
in descending order

27	1,098	759233 12	477307 29
papers	citations	h-index	g-index

33	33	33	1695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolically induced intracellular pH changes activate mitophagy, autophagy, and cell protection in familial forms of Parkinson's disease. FEBS Journal, 2022, 289, 699-711.	4.7	17
2	Lactate and Pyruvate Activate Autophagy and Mitophagy that Protect Cells in Toxic Model of Parkinsonâ€™s Disease. Molecular Neurobiology, 2022, 59, 177-190.	4.0	15
3	Dopamine controls neuronal spontaneous calcium oscillations via astrocytic signal. Cell Calcium, 2021, 94, 102359.	2.4	7
4	Effect of ONC201 Antitumor Drug on the Number of Mitochondrial Nucleoids in BT474 Breast Cancer Cells in Culture. Moscow University Biological Sciences Bulletin, 2021, 76, 83-89.	0.7	1
5	Dissecting Cellular Mechanisms of Long-Chain Acylcarnitines-Driven Cardiotoxicity: Disturbance of Calcium Homeostasis, Activation of Ca2+-Dependent Phospholipases, and Mitochondrial Energetics Collapse. International Journal of Molecular Sciences, 2020, 21, 7461.	4.1	15
6	Study of the physicochemical and biological properties of the new promising Tiâ€“20Nbâ€“13Taâ€“5Zr alloy for biomedical applications. Materials Chemistry and Physics, 2020, 255, 123557.	4.0	23
7	Alpha synuclein aggregation drives ferroptosis: an interplay of iron, calcium and lipid peroxidation. Cell Death and Differentiation, 2020, 27, 2781-2796.	11.2	142
8	Role of DJ-1 in the mechanism of pathogenesis of Parkinson's disease. Journal of Bioenergetics and Biomembranes, 2019, 51, 175-188.	2.3	167
9	Alpha-Synuclein and Mitochondrial Dysfunction in Parkinsonâ€™s Disease. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2018, 12, 10-19.	0.6	5
10	Biocompatibility of the Ti81Nb13Ta3Zr3 Alloy. Doklady Chemistry, 2018, 482, 204-206.	0.9	12
11	Î±-synuclein oligomers interact with ATP synthase and open the permeability transition pore in Parkinsonâ€™s disease. Nature Communications, 2018, 9, 2293.	12.8	351
12	Interaction of misfolded proteins and mitochondria in neurodegenerative disorders. Biochemical Society Transactions, 2017, 45, 1025-1033.	3.4	66
13	Role of inorganic polyphosphate in mammalian cells: from signal transduction and mitochondrial metabolism to cell death. Biochemical Society Transactions, 2016, 44, 40-45.	3.4	50
14	Sarcolemmal Î±2-adrenoceptors control protective cardiomyocyte-delimited sympathoadrenal response. Journal of Molecular and Cellular Cardiology, 2016, 100, 9-20.	1.9	20
15	Intracellular pH Modulates Autophagy and Mitophagy. Journal of Biological Chemistry, 2016, 291, 8701-8708.	3.4	89
16	Nicotinic receptor involvement in regulation of functions of mouse neutrophils from inflammatory site. Immunobiology, 2016, 221, 761-772.	1.9	26
17	Identification and properties of bupivacaine-sensitive potassium currents in cultured hippocampal neurons. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2015, 9, 309-317.	0.6	0
18	Pro-oxidative, genotoxic and cytotoxic properties of uranyl ions. Journal of Environmental Radioactivity, 2014, 127, 163-170.	1.7	40

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19	Application of imaging technique for characterization of ionotropic glutamate receptor ligands in cultured neurons. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2013, 7, 213-221.	0.6	1
20	Burst of succinate dehydrogenase and Î±-ketoglutarate dehydrogenase activity in concert with the expression of genes coding for respiratory chain proteins underlies short-term beneficial physiological stress in mitochondria. International Journal of Biochemistry and Cell Biology, 2013, 45, 190-200.	2.8	17
21	Convergence of Ca2+ signaling pathways in adipocytes. The role of L-arginine and protein kinase G in generation of transient and periodic Ca2+ signals. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2012, 6, 35-44.	0.6	5
22	Two mechanisms of calcium oscillations in adipocytes. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2012, 6, 26-34.	0.6	6
23	Role of phospholipases in cytosolic calcium overload and cardiomyocytes death in the presence of activated fatty acid derivatives. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2010, 4, 56-63.	0.6	2
24	â€œArginine paradoxâ€•in cardiomyocytes of Sprague Dawley and spontaneously hypertensive rats: Î±2-adrenoreceptor-mediated regulation of L-type Ca2+ currents by L-arginine. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2010, 4, 374-382.	0.6	0
25	Acute Toxic Effects Of Fatty Acids. Biophysical Journal, 2009, 96, 170a.	0.5	1
26	Polarographic and spectroscopic studies of the effects of fluoroacetate/fluorocitrate on cells and mitochondria. Spectroscopy, 2007, 21, 121-134.	0.8	6
27	Application of a low-angle light scattering technique to cell volume and cell signaling studies on Ehrlich ascite tumor cells. Spectroscopy, 2006, 20, 45-55.	0.8	4