

Alexey V Berezhnov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7310488/publications.pdf>

Version: 2024-02-01

27
papers

1,098
citations

759055

12
h-index

477173

29
g-index

33
all docs

33
docs citations

33
times ranked

1695
citing authors

#	ARTICLE	IF	CITATIONS
1	$\hat{\alpha}$ -synuclein oligomers interact with ATP synthase and open the permeability transition pore in Parkinson's disease. <i>Nature Communications</i> , 2018, 9, 2293.	5.8	351
2	Role of DJ-1 in the mechanism of pathogenesis of Parkinson's disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2019, 51, 175-188.	1.0	167
3	Alpha synuclein aggregation drives ferroptosis: an interplay of iron, calcium and lipid peroxidation. <i>Cell Death and Differentiation</i> , 2020, 27, 2781-2796.	5.0	142
4	Intracellular pH Modulates Autophagy and Mitophagy. <i>Journal of Biological Chemistry</i> , 2016, 291, 8701-8708.	1.6	89
5	Interaction of misfolded proteins and mitochondria in neurodegenerative disorders. <i>Biochemical Society Transactions</i> , 2017, 45, 1025-1033.	1.6	66
6	Role of inorganic polyphosphate in mammalian cells: from signal transduction and mitochondrial metabolism to cell death. <i>Biochemical Society Transactions</i> , 2016, 44, 40-45.	1.6	50
7	Pro-oxidative, genotoxic and cytotoxic properties of uranyl ions. <i>Journal of Environmental Radioactivity</i> , 2014, 127, 163-170.	0.9	40
8	Nicotinic receptor involvement in regulation of functions of mouse neutrophils from inflammatory site. <i>Immunobiology</i> , 2016, 221, 761-772.	0.8	26
9	Study of the physicochemical and biological properties of the new promising Ti-20Nb-13Ta-5Zr alloy for biomedical applications. <i>Materials Chemistry and Physics</i> , 2020, 255, 123557.	2.0	23
10	Sarcolemmal $\hat{\alpha}$ 2-adrenoceptors control protective cardiomyocyte-delimited sympathoadrenal response. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 100, 9-20.	0.9	20
11	Burst of succinate dehydrogenase and $\hat{\alpha}$ -ketoglutarate dehydrogenase activity in concert with the expression of genes coding for respiratory chain proteins underlies short-term beneficial physiological stress in mitochondria. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 190-200.	1.2	17
12	Metabolically induced intracellular pH changes activate mitophagy, autophagy, and cell protection in familial forms of Parkinson's disease. <i>FEBS Journal</i> , 2022, 289, 699-711.	2.2	17
13	Dissecting Cellular Mechanisms of Long-Chain Acylcarnitines-Driven Cardiotoxicity: Disturbance of Calcium Homeostasis, Activation of Ca ²⁺ -Dependent Phospholipases, and Mitochondrial Energetics Collapse. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7461.	1.8	15
14	Lactate and Pyruvate Activate Autophagy and Mitophagy that Protect Cells in Toxic Model of Parkinson's Disease. <i>Molecular Neurobiology</i> , 2022, 59, 177-190.	1.9	15
15	Biocompatibility of the Ti81Nb13Ta3Zr3 Alloy. <i>Doklady Chemistry</i> , 2018, 482, 204-206.	0.2	12
16	Dopamine controls neuronal spontaneous calcium oscillations via astrocytic signal. <i>Cell Calcium</i> , 2021, 94, 102359.	1.1	7
17	Polarographic and spectroscopic studies of the effects of fluoroacetate/fluorocitrate on cells and mitochondria. <i>Spectroscopy</i> , 2007, 21, 121-134.	0.8	6
18	Two mechanisms of calcium oscillations in adipocytes. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2012, 6, 26-34.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Convergence of Ca ²⁺ signaling pathways in adipocytes. The role of L-arginine and protein kinase G in generation of transient and periodic Ca ²⁺ signals. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2012, 6, 35-44.	0.3	5
20	Alpha-Synuclein and Mitochondrial Dysfunction in Parkinson's Disease. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 10-19.	0.3	5
21	Application of a low-angle light scattering technique to cell volume and cell signaling studies on Ehrlich ascite tumor cells. <i>Spectroscopy</i> , 2006, 20, 45-55.	0.8	4
22	Role of phospholipases in cytosolic calcium overload and cardiomyocytes death in the presence of activated fatty acid derivatives. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2010, 4, 56-63.	0.3	2
23	Acute Toxic Effects Of Fatty Acids. <i>Biophysical Journal</i> , 2009, 96, 170a.	0.2	1
24	Application of imaging technique for characterization of ionotropic glutamate receptor ligands in cultured neurons. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2013, 7, 213-221.	0.3	1
25	Effect of ONC201 Antitumor Drug on the Number of Mitochondrial Nucleoids in BT474 Breast Cancer Cells in Culture. <i>Moscow University Biological Sciences Bulletin</i> , 2021, 76, 83-89.	0.1	1
26	Arginine paradox in cardiomyocytes of Sprague Dawley and spontaneously hypertensive rats: β -adrenoreceptor-mediated regulation of L-type Ca ²⁺ currents by L-arginine. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2010, 4, 374-382.	0.3	0
27	Identification and properties of bupivacaine-sensitive potassium currents in cultured hippocampal neurons. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2015, 9, 309-317.	0.3	0