Egor A Turovsky

List of Publications by Year
in descending order

51	1,388	361413 20	361022 35
papers	citations	h-index	g-index

52	52	52	1239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interleukin-10 restores glutamate receptor-mediated Ca²⁺-signaling in brain circuits under loss of Sip1 transcription factor. International Journal of Neuroscience, 2022, 132, 114-125.	1.6	10
2	Features of the cytoprotective effect of selenium nanoparticles on primary cortical neurons and astrocytes during oxygenâ€“glucose deprivation and reoxygenation. Scientific Reports, 2022, 12, 1710.	3.3	26
3	Immunomodulatory and Anti-Inflammatory Properties of Selenium-Containing Agents: Their Role in the Regulation of Defense Mechanisms against COVID-19. International Journal of Molecular Sciences, 2022, 23, 2360.	4.1	34
4	The Role of Selenoproteins SELENOM and SELENOT in the Regulation of Apoptosis, ER Stress, and Calcium Homeostasis in the A-172 Human Glioblastoma Cell Line. Biology, 2022, 11, 811.	2.8	13
5	Comparative Analysis of the Cytotoxic Effect of a Complex of Selenium Nanoparticles Doped with Sorafenib, â€œNakedâ€•Selenium Nanoparticles, and Sorafenib on Human Hepatocyte Carcinoma HepG2 Cells. International Journal of Molecular Sciences, 2022, 23, 6641.	4.1	12
6	Size-Dependent Cytoprotective Effects of Selenium Nanoparticles during Oxygen-Glucose Deprivation in Brain Cortical Cells. International Journal of Molecular Sciences, 2022, 23, 7464.	4.1	18
7	Deregulation of Ca2+-Signaling Systems in White Adipocytes, Manifested as the Loss of Rhythmic Activity, Underlies the Development of Multiple Hormonal Resistance at Obesity and Type 2 Diabetes. International Journal of Molecular Sciences, 2021, 22, 5109.	4.1	6
8	Role of Satb1 and Satb2 Transcription Factors in the Glutamate Receptors Expression and Ca2+ Signaling in the Cortical Neurons In Vitro. International Journal of Molecular Sciences, 2021, 22, 5968.	4.1	12
9	THE MAIN CYTOTOXIC EFFECTS OF METHYLSELENINIC ACID ON VARIOUS CANCER CELLS. International Journal of Molecular Sciences, 2021, 22, 6614.	4.1	31
10	Activation of Cx43 Hemichannels Induces the Generation of Ca2+ Oscillations in White Adipocytes and Stimulates Lipolysis. International Journal of Molecular Sciences, 2021, 22, 8095.	4.1	13
11	Mechanisms of the Cytotoxic Effect of Selenium Nanoparticles in Different Human Cancer Cell Lines. International Journal of Molecular Sciences, 2021, 22, 7798.	4.1	44
12	Mechanisms Underlying the Protective Effect of the Peroxiredoxin-6 Are Mediated via the Protection of Astrocytes during Ischemia/Reoxygenation. International Journal of Molecular Sciences, 2021, 22, 8805.	4.1	19
13	Mechanism of Ca2+-Dependent Pro-Apoptotic Action of Selenium Nanoparticles, Mediated by Activation of Cx43 Hemichannels. Biology, 2021, 10, 743.	2.8	29
14	Therapeutic Potential and Main Methods of Obtaining Selenium Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 10808.	4.1	44
15	The Mechanisms Underlying the Protective Action of Selenium Nanoparticles against Ischemia/Reoxygenation Are Mediated by the Activation of the Ca2+ Signaling System of Astrocytes and Reactive Astrogliosis. International Journal of Molecular Sciences, 2021, 22, 12825.	4.1	18
16	The Protective Mechanism of Deuterated Linoleic Acid Involves the Activation of the Ca2+ Signaling System of Astrocytes in Ischemia In Vitro. International Journal of Molecular Sciences, 2021, 22, 13216.	4.1	13
17	The selective BDNF overexpression in neurons protects neuroglial networks against OGD and glutamate-induced excitotoxicity. International Journal of Neuroscience, 2020, 130, 363-383.	1.6	37
18	Mechanosensory Signaling in Astrocytes. Journal of Neuroscience, 2020, 40, 9364-9371.	3.6	61

#	Article	IF	Citations
19	Astrocytes Modulate Baroreflex Sensitivity at the Level of the Nucleus of the Solitary Tract. Journal of Neuroscience, 2020, 40, 3052-3062.	3.6	20
20	BDNF Overexpression Enhances the Preconditioning Effect of Brief Episodes of Hypoxia, Promoting Survival of GABAergic Neurons. Neuroscience Bulletin, 2020, 36, 733-760.	2.9	38
21	Metal-containing taurine compounds protect ratâ€™s brain in reperfusion-induced injury. Research Results in Pharmacology, 2020, 6, 43-49.	0.4	1
22	NMDA receptor modulation of glutamate release in activated neutrophils. EBioMedicine, 2019, 47, 457-469.	6.1	20
23	Taxifolin protects neurons against ischemic injury in vitro via the activation of antioxidant systems and signal transduction pathways of GABAergic neurons. Molecular and Cellular Neurosciences, 2019, 96, 10-24.	2.2	34
24	Attenuation of calmodulin regulation evokes Ca2+ oscillations: evidence for the involvement of intracellular arachidonate-activated channels and connexons. Molecular and Cellular Biochemistry, 2019, 456, 191-204.	3.1	6
25	A Complex Neuroprotective Effect of Alpha-2-Adrenergic Receptor Agonists in a Model of Cerebral Ischemiaâ€“ReoxygenationÂIn Vitro. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2019, 13, 319-333.	0.6	14
26	Astrocytes modulate brainstem respiratory rhythm-generating circuits and determine exercise capacity. Nature Communications, 2018, 9, 370.	12.8	104
27	Brain metabolic sensing and metabolic signaling at the level of an astrocyte. Glia, 2018, 66, 1185-1199.	4.9	86
28	Calcium-Binding Proteins Protect GABAergic Neurons of the Hippocampus from Hypoxia and Ischemia in vitro. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2018, 12, 74-84.	0.6	12
29	Feedback Control of Second Messengers Signaling Systems in White Adipose Tissue Adipocytes in Healthy State and Its Loss at Adiposity. , 2018, , .		0
30	Aminoethane Sulfonic Acid Magnesium Salt Inhibits Ca2+ Entry Through NMDA Receptor Ion Channel In Vitro. Bulletin of Experimental Biology and Medicine, 2018, 166, 39-42.	0.8	2
31	Mutation in the Sip1 transcription factor leads to a disturbance of the preconditioning of AMPA receptors by episodes of hypoxia in neurons of the cerebral cortex due to changes in their activity and subunit composition. The protective effects of interleukin-10. Archives of Biochemistry and Biophysics, 2018, 654, 126-135.	3.0	14
32	Sip-1 mutations cause disturbances in the activity of NMDA- and AMPA-, but not kainate receptors of neurons in the cerebral cortex. Neuroscience Letters, 2017, 650, 180-186.	2.1	9
33	Cytokine IL-10, activators of PI3-kinase, agonists of Î±-2 adrenoreceptor and antioxidants prevent ischemia-induced cell death in rat hippocampal cultures. Archives of Biochemistry and Biophysics, 2017, 615, 35-43.	3.0	28
34	Sip1 mutation suppresses the resistance of cerebral cortex neurons to hypoxia through the disturbance of mechanisms of hypoxic preconditioning. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2017, 11, 330-337.	0.6	3
35	Mechanisms of CO₂/H⁺Sensitivity of Astrocytes. Journal of Neuroscience, 2016, 36, 10750-10758.	3.6	101
36	The role of parvalbumin-containing interneurons in the regulation of spontaneous synchronous activity of brain neurons in culture. Biophysics (Russian Federation), 2016, 61, 85-93.	0.7	12

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37	Insulin induces Ca2+ oscillations in white fat adipocytes via PI3K and PLC. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2016, 10, 53-59.	0.6	3
38	NAD causes dissociation of neural networks into subpopulations of neurons by inhibiting the network synchronous hyperactivity evoked by ammonium ions. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2016, 10, 118-125.	0.6	4
39	Angiotensin II activates different calcium signaling pathways in adipocytes. Archives of Biochemistry and Biophysics, 2016, 593, 38-49.	3.0	15
40	Impaired CO₂ sensitivity of astrocytes in a mouse model of Rett syndrome. Journal of Physiology, 2015, 593, 3159-3168.	2.9	54
41	Functional Oxygen Sensitivity of Astrocytes. Journal of Neuroscience, 2015, 35, 10460-10473.	3.6	219
42	Short-term hypoxia induces a selective death of GABAergic neurons. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2014, 8, 125-135.	0.6	5
43	Agonist-specific participation of SOC and ARC channels and iPLA2 in the regulation of Ca2+ entry during oscillatory responses in adipocytes. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2014, 8, 136-143.	0.6	2
44	Anti-inflammatory cytokine interleukin-10 increases resistance to brain ischemia through modulation of ischemia-induced intracellular Ca2+ response. Neuroscience Letters, 2014, 571, 55-60.	2.1	29
45	Short-term episodes of hypoxia induce posthypoxic hyperexcitability and selective death of GABAergic hippocampal neurons. Experimental Neurology, 2013, 250, 1-7.	4.1	28
46	Acetylcholine Promotes Ca2+and NO-Oscillations in Adipocytes Implicating Ca2+â†'NOâ†'cGMPâ†'cADP-riboseâ†'Ca2+ Positive Feedback Loop - Modulatory Effects of Norepinephrine and Atrial Natriuretic Peptide. PLoS ONE, 2013, 8, e63483.	2.5	19
47	Interleukin-10 modulates [Ca2+]i response induced by repeated NMDA receptor activation with brief hypoxia through inhibition of InsP3-sensitive internal stores in hippocampal neurons. Neuroscience Letters, 2012, 516, 151-155.	2.1	35
48	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
49	Two mechanisms of calcium oscillations in adipocytes. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2012, 6, 26-34.	0.6	6
50	Repeated brief episodes of hypoxia modulate the calcium responses of ionotropic glutamate receptors in hippocampal neurons. Neuroscience Letters, 2011, 496, 11-14.	2.1	18
51	Ca2+ responses induced by adrenergic agonists in preadipocytes of mouse and ground squirrel (Spermophillus undulates). Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2010, 4, 64-69.	0.6	0