

# Egor A Turovsky

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3606550/publications.pdf>

Version: 2024-02-01

51  
papers

1,388  
citations

361413

20  
h-index

361022

35  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Oxygen Sensitivity of Astrocytes. <i>Journal of Neuroscience</i> , 2015, 35, 10460-10473.	3.6	219
2	Astrocytes modulate brainstem respiratory rhythm-generating circuits and determine exercise capacity. <i>Nature Communications</i> , 2018, 9, 370.	12.8	104
3	Mechanisms of CO <sub>2</sub> /H <sup>+</sup> Sensitivity of Astrocytes. <i>Journal of Neuroscience</i> , 2016, 36, 10750-10758.	3.6	101
4	Brain metabolic sensing and metabolic signaling at the level of an astrocyte. <i>Glia</i> , 2018, 66, 1185-1199.	4.9	86
5	Mechanosensory Signaling in Astrocytes. <i>Journal of Neuroscience</i> , 2020, 40, 9364-9371.	3.6	61
6	Impaired CO <sub>2</sub> sensitivity of astrocytes in a mouse model of Rett syndrome. <i>Journal of Physiology</i> , 2015, 593, 3159-3168.	2.9	54
7	Mechanisms of the Cytotoxic Effect of Selenium Nanoparticles in Different Human Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7798.	4.1	44
8	Therapeutic Potential and Main Methods of Obtaining Selenium Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10808.	4.1	44
9	BDNF Overexpression Enhances the Preconditioning Effect of Brief Episodes of Hypoxia, Promoting Survival of GABAergic Neurons. <i>Neuroscience Bulletin</i> , 2020, 36, 733-760.	2.9	38
10	The selective BDNF overexpression in neurons protects neuroglial networks against OGD and glutamate-induced excitotoxicity. <i>International Journal of Neuroscience</i> , 2020, 130, 363-383.	1.6	37
11	Interleukin-10 modulates [Ca <sup>2+</sup> ] <sub>i</sub> response induced by repeated NMDA receptor activation with brief hypoxia through inhibition of InsP <sub>3</sub> -sensitive internal stores in hippocampal neurons. <i>Neuroscience Letters</i> , 2012, 516, 151-155.	2.1	35
12	Taxifolin protects neurons against ischemic injury in vitro via the activation of antioxidant systems and signal transduction pathways of GABAergic neurons. <i>Molecular and Cellular Neurosciences</i> , 2019, 96, 10-24.	2.2	34
13	Immunomodulatory and Anti-Inflammatory Properties of Selenium-Containing Agents: Their Role in the Regulation of Defense Mechanisms against COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2360.	4.1	34
14	THE MAIN CYTOTOXIC EFFECTS OF METHYLSELENINIC ACID ON VARIOUS CANCER CELLS. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6614.	4.1	31
15	Anti-inflammatory cytokine interleukin-10 increases resistance to brain ischemia through modulation of ischemia-induced intracellular Ca <sup>2+</sup> response. <i>Neuroscience Letters</i> , 2014, 571, 55-60.	2.1	29
16	Mechanism of Ca <sup>2+</sup> -Dependent Pro-Apoptotic Action of Selenium Nanoparticles, Mediated by Activation of Cx43 Hemichannels. <i>Biology</i> , 2021, 10, 743.	2.8	29
17	Short-term episodes of hypoxia induce posthypoxic hyperexcitability and selective death of GABAergic hippocampal neurons. <i>Experimental Neurology</i> , 2013, 250, 1-7.	4.1	28
18	Cytokine IL-10, activators of PI3-kinase, agonists of Î±-2 adrenoreceptor and antioxidants prevent ischemia-induced cell death in rat hippocampal cultures. <i>Archives of Biochemistry and Biophysics</i> , 2017, 615, 35-43.	3.0	28

#	ARTICLE	IF	CITATIONS
19	Features of the cytoprotective effect of selenium nanoparticles on primary cortical neurons and astrocytes during oxygen-glucose deprivation and reoxygenation. <i>Scientific Reports</i> , 2022, 12, 1710.	3.3	26
20	NMDA receptor modulation of glutamate release in activated neutrophils. <i>EBioMedicine</i> , 2019, 47, 457-469.	6.1	20
21	Astrocytes Modulate Baroreflex Sensitivity at the Level of the Nucleus of the Solitary Tract. <i>Journal of Neuroscience</i> , 2020, 40, 3052-3062.	3.6	20
22	Acetylcholine Promotes Ca <sup>2+</sup> and NO Oscillations in Adipocytes Implicating Ca <sup>2+</sup> -NO-cGMP-cADP-ribose-Ca <sup>2+</sup> Positive Feedback Loop - Modulatory Effects of Norepinephrine and Atrial Natriuretic Peptide. <i>PLoS ONE</i> , 2013, 8, e63483.	2.5	19
23	Mechanisms Underlying the Protective Effect of the Peroxiredoxin-6 Are Mediated via the Protection of Astrocytes during Ischemia/Reoxygenation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8805.	4.1	19
24	Repeated brief episodes of hypoxia modulate the calcium responses of ionotropic glutamate receptors in hippocampal neurons. <i>Neuroscience Letters</i> , 2011, 496, 11-14.	2.1	18
25	The Mechanisms Underlying the Protective Action of Selenium Nanoparticles against Ischemia/Reoxygenation Are Mediated by the Activation of the Ca <sup>2+</sup> Signaling System of Astrocytes and Reactive Astrogliosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12825.	4.1	18
26	Size-Dependent Cytoprotective Effects of Selenium Nanoparticles during Oxygen-Glucose Deprivation in Brain Cortical Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7464.	4.1	18
27	Angiotensin II activates different calcium signaling pathways in adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2016, 593, 38-49.	3.0	15
28	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. <i>Archives of Biochemistry and Biophysics</i> , 2018, 654, 126-135.	3.0	14
29	A Complex Neuroprotective Effect of Alpha-2-Adrenergic Receptor Agonists in a Model of Cerebral Ischemia-Reoxygenation In Vitro. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2019, 13, 319-333.	0.6	14
30	Activation of Cx43 Hemichannels Induces the Generation of Ca <sup>2+</sup> Oscillations in White Adipocytes and Stimulates Lipolysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8095.	4.1	13
31	The Protective Mechanism of Deuterated Linoleic Acid Involves the Activation of the Ca <sup>2+</sup> Signaling System of Astrocytes in Ischemia In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13216.	4.1	13
32	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. <i>Biology</i> , 2022, 11, 811.	2.8	13
33	The role of parvalbumin-containing interneurons in the regulation of spontaneous synchronous activity of brain neurons in culture. <i>Biophysics (Russian Federation)</i> , 2016, 61, 85-93.	0.7	12
34	Calcium-Binding Proteins Protect GABAergic Neurons of the Hippocampus from Hypoxia and Ischemia in vitro. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 74-84.	0.6	12
35	Role of Satb1 and Satb2 Transcription Factors in the Glutamate Receptors Expression and Ca <sup>2+</sup> Signaling in the Cortical Neurons In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5968.	4.1	12
36	Comparative Analysis of the Cytotoxic Effect of a Complex of Selenium Nanoparticles Doped with Sorafenib, Naked Selenium Nanoparticles, and Sorafenib on Human Hepatocyte Carcinoma HepG2 Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6641.	4.1	12

#	ARTICLE	IF	CITATIONS
37	Interleukin-10 restores glutamate receptor-mediated Ca <sup>2+</sup> -signaling in brain circuits under loss of Sip1 transcription factor. <i>International Journal of Neuroscience</i> , 2022, 132, 114-125.	1.6	10
38	Sip-1 mutations cause disturbances in the activity of NMDA- and AMPA-, but not kainate receptors of neurons in the cerebral cortex. <i>Neuroscience Letters</i> , 2017, 650, 180-186.	2.1	9
39	Two mechanisms of calcium oscillations in adipocytes. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2012, 6, 26-34.	0.6	6
40	Attenuation of calmodulin regulation evokes Ca <sup>2+</sup> oscillations: evidence for the involvement of intracellular arachidonate-activated channels and connexons. <i>Molecular and Cellular Biochemistry</i> , 2019, 456, 191-204.	3.1	6
41	Deregulation of Ca <sup>2+</sup> -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. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5109.	4.1	6
42	Convergence of Ca <sup>2+</sup> signaling pathways in adipocytes. The role of L-arginine and protein kinase G in generation of transient and periodic Ca <sup>2+</sup> signals. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2012, 6, 35-44.	0.6	5
43	Short-term hypoxia induces a selective death of GABAergic neurons. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2014, 8, 125-135.	0.6	5
44	NAD causes dissociation of neural networks into subpopulations of neurons by inhibiting the network synchronous hyperactivity evoked by ammonium ions. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 118-125.	0.6	4
45	Insulin induces Ca <sup>2+</sup> oscillations in white fat adipocytes via PI3K and PLC. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 53-59.	0.6	3
46	Sip1 mutation suppresses the resistance of cerebral cortex neurons to hypoxia through the disturbance of mechanisms of hypoxic preconditioning. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2017, 11, 330-337.	0.6	3
47	Agonist-specific participation of SOC and ARC channels and iPLA2 in the regulation of Ca <sup>2+</sup> entry during oscillatory responses in adipocytes. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2014, 8, 136-143.	0.6	2
48	Aminoethane Sulfonic Acid Magnesium Salt Inhibits Ca <sup>2+</sup> Entry Through NMDA Receptor Ion Channel In Vitro. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 166, 39-42.	0.8	2
49	Metal-containing taurine compounds protect rat's brain in reperfusion-induced injury. <i>Research Results in Pharmacology</i> , 2020, 6, 43-49.	0.4	1
50	Ca <sup>2+</sup> responses induced by adrenergic agonists in preadipocytes of mouse and ground squirrel ( <i>Spermophilus undulatus</i> ). <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2010, 4, 64-69.	0.6	0
51	Feedback Control of Second Messengers Signaling Systems in White Adipose Tissue Adipocytes in Healthy State and Its Loss at Adiposity. , 2018, , .		0