Oleg Yarishkin

List of Publications by Year
in descending order

32	1,824	393982	454577
papers	citations	19 h-index	30 g-index

34	34	34	2617
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GABA from reactive astrocytes impairs memory in mouse models of Alzheimer's disease. Nature Medicine, 2014, 20, 886-896.	15.2	577
2	TRPV4 and AQP4 Channels Synergistically Regulate Cell Volume and Calcium Homeostasis in Retinal MÃ¼ller Glia. Journal of Neuroscience, 2015, 35, 13525-13537.	1.7	176
3	Newly developed reversible MAO-B inhibitor circumvents the shortcomings of irreversible inhibitors in Alzheimerâ€™s disease. Science Advances, 2019, 5, eaav0316.	4.7	130
4	A disulphide-linked heterodimer of TWIK-1 and TREK-1 mediates passive conductance in astrocytes. Nature Communications, 2014, 5, 3227.	5.8	112
5	TRPV4 regulates calcium homeostasis, cytoskeletal remodeling, conventional outflow and intraocular pressure in the mammalian eye. Scientific Reports, 2016, 6, 30583.	1.6	93
6	Differential volume regulation and calcium signaling in two ciliary body cell types is subserved by TRPV4 channels. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3885-3890.	3.3	55
7	Calcium influx through TRPV4 channels modulates the adherens contacts between retinal microvascular endothelial cells. Journal of Physiology, 2017, 595, 6869-6885.	1.3	55
8	Store-Operated Calcium Entry in MÃ¼ller Glia Is Controlled by Synergistic Activation of TRPC and Orai Channels. Journal of Neuroscience, 2016, 36, 3184-3198.	1.7	53
9	Sulfonate chalcone as new class voltage-dependent K+ channel blocker. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 137-140.	1.0	52
10	TREK-1 channels regulate pressure sensitivity and calcium signaling in trabecular meshwork cells. Journal of General Physiology, 2018, 150, 1660-1675.	0.9	43
11	Cholesterol regulates polymodal sensory transduction in MÃ¼ller glia. Glia, 2017, 65, 2038-2050.	2.5	42
12	Piezo1 channels mediate trabecular meshwork mechanotransduction and promote aqueous fluid outflow. Journal of Physiology, 2021, 599, 571-592.	1.3	38
13	TRPM4b channel suppresses store-operated Ca2+ entry by a novel proteinâ€“protein interaction with the TRPC3 channel. Biochemical and Biophysical Research Communications, 2008, 368, 677-683.	1.0	37
14	TWIK-1/TASK-3 heterodimeric channels contribute to the neurotensin-mediated excitation of hippocampal dentate gyrus granule cells. Experimental and Molecular Medicine, 2018, 50, 1-13.	3.2	32
15	Enhancement of TREK1 channel surface expression by proteinâ€“protein interaction with Î²-COP. Biochemical and Biophysical Research Communications, 2010, 395, 244-250.	1.0	28
16	Mouse retinal ganglion cell signalling is dynamically modulated through parallel anterograde activation of cannabinoid and vanilloid pathways. Journal of Physiology, 2017, 595, 6499-6516.	1.3	28
17	Volume sensing in the transient receptor potential vanilloid 4 ion channel is cell typeâ€“specific and mediated by an N-terminal volume-sensing domain. Journal of Biological Chemistry, 2019, 294, 18421-18434.	1.6	26
18	trans-Anethole of Fennel Oil is a Selective and Nonelectrophilic Agonist of the TRPA1 Ion Channel. Molecular Pharmacology, 2019, 95, 433-441.	1.0	25

#	Article	IF	Citations
19	TWIK-1 contributes to the intrinsic excitability of dentate granule cells in mouse hippocampus. Molecular Brain, 2014, 7, 80.	1.3	24
20	<scp>TRPV4</scp> channels mediate the mechanoresponse in retinal microglia. Glia, 2021, 69, 1563-1582.	2.5	24
21	Cloning and characterization of rat transient receptor potential-melastatin 4 (TRPM4). Biochemical and Biophysical Research Communications, 2010, 391, 806-811.	1.0	21
22	Disinhibitory Action of Astrocytic GABA at the Perforant Path to Dentate Gyrus Granule Neuron Synapse Reverses to Inhibitory in Alzheimer's Disease Model. Experimental Neurobiology, 2015, 24, 211-218.	0.7	21
23	Silencing of Kv4.1 potassium channels inhibits cell proliferation of tumorigenic human mammary epithelial cells. Biochemical and Biophysical Research Communications, 2009, 384, 180-186.	1.0	20
24	TMEM16A expression in cholinergic neurons of the medial habenula mediates anxietyâ€related behaviors. EMBO Reports, 2020, 21, e48097.	2.0	20
25	Polymodal Sensory Transduction in Mouse Corneal Epithelial Cells. , 2020, 61, 2.		18
26	Endogenous TRPM4-like channel in Chinese hamster ovary (CHO) cells. Biochemical and Biophysical Research Communications, 2008, 369, 712-717.	1.0	15
27	Mechano-electrical transduction in trabecular meshwork involves parallel activation of TRPV4 and TREK-1 channels. Channels, 2019, 13, 168-171.	1.5	15
28	Trabecular Meshwork TREK-1 Channels Function as Polymodal Integrators of Pressure and pH. , 2019, 60, 2294.		15
29	Dyslipidemia modulates MÃ¼ller glial sensing and transduction of ambient information. Neural Regeneration Research, 2018, 13, 207.	1.6	12
30	TRPV4 Does Not Regulate the Distal Retinal Light Response. Advances in Experimental Medicine and Biology, 2018, 1074, 553-560.	0.8	7
31	Subcellular propagation of calcium waves in MÃ¼ller glia does not require autocrine/paracrine purinergic signaling. Channels, 2016, 10, 421-427.	1.5	5
32	Emergent Temporal Signaling in Human Trabecular Meshwork Cells: Role of TRPV4-TRPM4 Interactions. Frontiers in Immunology, 2022, 13, 805076.	2.2	4