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	Emergent Temporal Signaling in Human Trabecular Meshwork Cells: Role of TRPV4-TRPM4 Interactions. Frontiers in Immunology, 2022, 13, 805076.	2.2	4
2	Piezo1 channels mediate trabecular meshwork mechanotransduction and promote aqueous fluid outflow. Journal of Physiology, 2021, 599, 571-592.	1.3	38
3	<scp>TRPV4</scp> channels mediate the mechanoresponse in retinal microglia. Glia, 2021, 69, 1563-1582.	2.5	24
4	TMEM16A expression in cholinergic neurons of the medial habenula mediates anxietyâ€related behaviors. EMBO Reports, 2020, 21, e48097.	2.0	20
5	Polymodal Sensory Transduction in Mouse Corneal Epithelial Cells. , 2020, 61, 2.		18
6	Mechano-electrical transduction in trabecular meshwork involves parallel activation of TRPV4 and TREK-1 channels. Channels, 2019, 13, 168-171.	1.5	15
7	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
8	Trabecular Meshwork TREK-1 Channels Function as Polymodal Integrators of Pressure and pH. , 2019, 60, 2294.		15
9	Newly developed reversible MAO-B inhibitor circumvents the shortcomings of irreversible inhibitors in Alzheimerâ€™s disease. Science Advances, 2019, 5, eaav0316.	4.7	130
10	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
11	TRPV4 Does Not Regulate the Distal Retinal Light Response. Advances in Experimental Medicine and Biology, 2018, 1074, 553-560.	0.8	7
12	TREK-1 channels regulate pressure sensitivity and calcium signaling in trabecular meshwork cells. Journal of General Physiology, 2018, 150, 1660-1675.	0.9	43
13	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
14	Dyslipidemia modulates MÃ¼ller glial sensing and transduction of ambient information. Neural Regeneration Research, 2018, 13, 207.	1.6	12
15	Calcium influx through TRPV4 channels modulates the adherens contacts between retinal microvascular endothelial cells. Journal of Physiology, 2017, 595, 6869-6885.	1.3	55
16	Cholesterol regulates polymodal sensory transduction in MÃ¼ller glia. Glia, 2017, 65, 2038-2050.	2.5	42
17	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
18	TRPV4 regulates calcium homeostasis, cytoskeletal remodeling, conventional outflow and intraocular pressure in the mammalian eye. Scientific Reports, 2016, 6, 30583.	1.6	93

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19	Subcellular propagation of calcium waves in MÃ¼ller glia does not require autocrine/paracrine purinergic signaling. Channels, 2016, 10, 421-427.	1.5	5
20	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
21	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
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	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
24	TWIK-1 contributes to the intrinsic excitability of dentate granule cells in mouse hippocampus. Molecular Brain, 2014, 7, 80.	1.3	24
25	A disulphide-linked heterodimer of TWIK-1 and TREK-1 mediates passive conductance in astrocytes. Nature Communications, 2014, 5, 3227.	5.8	112
26	GABA from reactive astrocytes impairs memory in mouse models of Alzheimer's disease. Nature Medicine, 2014, 20, 886-896.	15.2	577
27	Cloning and characterization of rat transient receptor potential-melastatin 4 (TRPM4). Biochemical and Biophysical Research Communications, 2010, 391, 806-811.	1.0	21
28	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
29	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
30	Sulfonate chalcone as new class voltage-dependent K+ channel blocker. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 137-140.	1.0	52
31	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
32	Endogenous TRPM4-like channel in Chinese hamster ovary (CHO) cells. Biochemical and Biophysical Research Communications, 2008, 369, 712-717.	1.0	15