Peter Ruth

List of Publications by Year
in descending order

36 papers	809 citations	623734 14 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	1102 citing authors

#	Article	IF	Citations
1	cGMP-Elevating Compounds and Ischemic Conditioning Provide Cardioprotection Against Ischemia and Reperfusion Injury via Cardiomyocyte-Specific BK Channels. Circulation, 2017, 136, 2337-2355.	1.6	124
2	KCNMA1 Encoded Cardiac BK Channels Afford Protection against Ischemia-Reperfusion Injury. PLoS ONE, 2014, 9, e103402.	2.5	83
3	BK K+ channel blockade inhibits radiation-induced migration/brain infiltration of glioblastoma cells. Oncotarget, 2016, 7, 14259-14278.	1.8	54
4	Cancer-Associated Intermediate Conductance Ca2+-Activated K+ Channel KCa3.1. Cancers, 2019, 11, 109.	3.7	49
5	SK4 channels modulate Ca²⁺ signalling and cell cycle progression in murine breast cancer. Molecular Oncology, 2017, 11, 1172-1188.	4.6	43
6	Cardioprotection by ischemic postconditioning and cyclic guanosine monophosphate-elevating agents involves cardiomyocyte nitric oxide-sensitive guanylyl cyclase. Cardiovascular Research, 2018, 114, 822-829.	3.8	43
7	Ca2+-Activated IK K+ Channel Blockade Radiosensitizes Glioblastoma Cells. Molecular Cancer Research, 2015, 13, 1283-1295.	3.4	42
8	CaV1.3 L-type channels, maxiK Ca2+-dependent K+ channels and bestrophin-1 regulate rhythmic photoreceptor outer segment phagocytosis by retinal pigment epithelial cells. Cellular Signalling, 2014, 26, 968-978.	3.6	40
9	KCa3.1 Channels Confer Radioresistance to Breast Cancer Cells. Cancers, 2019, 11, 1285.	3.7	34
10	TRPM8 is required for survival and radioresistance of glioblastoma cells. Oncotarget, 2017, 8, 95896-95913.	1.8	34
11	K+ channel signaling in irradiated tumor cells. European Biophysics Journal, 2016, 45, 585-598.	2.2	27
12	Glucocorticoids Inhibit CRH/AVP-Evoked Bursting Activity of Male Murine Anterior Pituitary Corticotrophs. Endocrinology, 2016, 157, 3108-3121.	2.8	24
13	Physiological and Pathophysiological Roles of Metabolic Pathways for NET Formation and Other Neutrophil Functions. Frontiers in Immunology, 2022, 13, 826515.	4.8	21
14	A new host cell internalisation pathway for SadAâ€expressing staphylococci triggered by excreted neurochemicals. Cellular Microbiology, 2019, 21, e13044.	2.1	18
15	Visualizing BDNF Transcript Usage During Sound-Induced Memory Linked Plasticity. Frontiers in Molecular Neuroscience, 2018, 11, 260.	2.9	17
16	Dynamic- and Frequency-Specific Regulation of Sleep Oscillations by Cortical Potassium Channels. Current Biology, 2019, 29, 2983-2992.e3.	3.9	17
17	Slack K ⁺ channels attenuate NMDAâ€induced excitotoxic brain damage and neuronal cell death. FASEB Journal, 2021, 35, e21568.	0.5	16
18	Subunits of BK channels promote breast cancer development and modulate responses to endocrine treatment in preclinical models. British Journal of Pharmacology, 2022, 179, 2906-2924.	5.4	14

#	Article	IF	Citations
19	Nucleoside Diphosphate Kinase Bâ€“Activated Intermediate Conductance Potassium Channels Are Critical for Neointima Formation in Mouse Carotid Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1852-1861.	2.4	13
20	BDNF-Live-Exon-Visualization (BLEV) Allows Differential Detection of BDNF Transcripts in vitro and in vivo. Frontiers in Molecular Neuroscience, 2018, 11, 325.	2.9	12
21	Purkinje cell BKchannel ablation induces abnormal rhythm in deep cerebellar nuclei and prevents LTD. Scientific Reports, 2018, 8, 4220.	3.3	11
22	cGMP and mitochondrial K⁺ channelsâ€”Compartmentalized but closely connected in cardioprotection. British Journal of Pharmacology, 2022, 179, 2344-2360.	5.4	10
23	Interaction of cCMP with the cGK, cAK and MAPK Kinases in Murine Tissues. PLoS ONE, 2015, 10, e0126057.	2.5	9
24	Amplified pathogenic actions of angiotensin II in cysteineâ€rich LIMâ€only protein 4â€“negative mouse hearts. FASEB Journal, 2017, 31, 1620-1638.	0.5	9
25	Patientâ€individual phenotypes of glioblastoma stem cells are conserved in culture and associate with radioresistance, brain infiltration and patient prognosis. International Journal of Cancer, 2022, 150, 1722-1733.	5.1	8
26	Expression of the LRRC52 g subunit (g2) may provide Ca ²⁺ â€independent activation of BK currents in mouse inner hair cells. FASEB Journal, 2019, 33, 11721-11734.	0.5	7
27	Upregulation of the large conductance voltage- and Ca²⁺-activated K⁺channels by Janus kinase 2. American Journal of Physiology - Cell Physiology, 2014, 306, C1041-C1049.	4.6	6
28	Loss of central mineralocorticoid or glucocorticoid receptors impacts auditory nerve processing in the cochlea. IScience, 2022, 25, 103981.	4.1	5
29	The Na+-activated K+ channel Slack contributes to synaptic development and plasticity. Cellular and Molecular Life Sciences, 2021, 78, 7569-7587.	5.4	4
30	Slick Potassium Channels Control Pain and Itch in Distinct Populations of Sensory and Spinal Neurons in Mice. Anesthesiology, 2022, 136, 802-822.	2.5	3
31	Can Any Drug Be Repurposed for Cancer Treatment? A Systematic Assessment of the Scientific Literature. Cancers, 2021, 13, 6236.	3.7	3
32	Cysteine-Rich LIM-Only Protein 4 (CRP4) Promotes Atherogenesis in the ApoEâ^'/â^' Mouse Model. Cells, 2022, 11, 1364.	4.1	3
33	Slack Potassium Channels Modulate TRPA1-Mediated Nociception in Sensory Neurons. Cells, 2022, 11, 1693.	4.1	3
34	Cyclic GMP-Dependent Regulation of Vascular Tone and Blood Pressure Involves Cysteine-Rich LIM-Only Protein 4 (CRP4). International Journal of Molecular Sciences, 2021, 22, 9925.	4.1	2
35	Paxilline Prevents the Onset of Myotonic Stiffness in Pharmacologically Induced Myotonia: A Preclinical Investigation. Frontiers in Physiology, 2020, 11, 533946.	2.8	0
36	K + homeostasis is maintained with knockdown of bigâ€conductance K + channel in principal cells of connecting tubule/collecting duct. FASEB Journal, 2012, 26, 867.4.	0.5	0