

Thomas A Jepps

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,449
citations

331670

21
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1137
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of novel proteins and mechanistic pathways associated with early-onset hypertension by deep proteomic mapping of resistance arteries. <i>Journal of Biological Chemistry</i> , 2022, 298, 101512.	3.4	8
2	Dynein regulates Kv7.4 channel trafficking from the cell membrane. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	14
3	KCNQ5 Potassium Channel Activation Underlies Vasodilation by Tea. <i>Cellular Physiology and Biochemistry</i> , 2021, 55, 46-64.	1.6	14
4	Editorial: Kv7 Channels: Structure, Physiology, and Pharmacology. <i>Frontiers in Physiology</i> , 2021, 12, 679317.	2.8	8
5	Kv7 channel trafficking by the microtubule network in vascular smooth muscle. <i>Acta Physiologica</i> , 2021, 232, e13692.	3.8	4
6	Synthetic resin acid derivatives selectively open the hK V 7.2/7.3 channel and prevent epileptic seizures. <i>Epilepsia</i> , 2021, 62, 1744-1758.	5.1	1
7	Functional sympatholysis in mouse skeletal muscle involves sarcoplasmic reticulum swelling in arterial smooth muscle cells. <i>Physiological Reports</i> , 2021, 9, e15133.	1.7	1
8	Genome-wide association study identifies locus at chromosome 2q32.1 associated with syncope and collapse. <i>Cardiovascular Research</i> , 2020, 116, 138-148.	3.8	13
9	Effects of a novel selenium substituted-sugar (1,4-anhydro-4-seleno-d-talitol, SeTal) on human coronary artery cell lines and mouse aortic rings. <i>Biochemical Pharmacology</i> , 2020, 173, 113631.	4.4	9
10	Cyclic AMP-Dependent Regulation of Kv7 Voltage-Gated Potassium Channels. <i>Frontiers in Physiology</i> , 2020, 11, 727.	2.8	34
11	Acetaminophen (Paracetamol) Metabolites Induce Vasodilation and Hypotension by Activating Kv7 Potassium Channels Directly and Indirectly. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1207-1219.	2.4	15
12	KCNQ5 activation is a unifying molecular mechanism shared by genetically and culturally diverse botanical hypotensive folk medicines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21236-21245.	7.1	32
13	<i>Kcne4</i> deletion sex dependently inhibits the RISK pathway response and exacerbates hepatic ischemia-reperfusion injury in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R552-R562.	1.8	4
14	Deletion in mice of <i>Kcne5</i> linked, Brugada syndrome and atrial fibrillation associated <i>Kcne5</i> augments ventricular K _v currents and predisposes to ventricular arrhythmia. <i>FASEB Journal</i> , 2019, 33, 2537-2552.	0.5	26
15	TMEM16A is implicated in the regulation of coronary flow and is altered in hypertension. <i>British Journal of Pharmacology</i> , 2019, 176, 1635-1648.	5.4	34
16	Angiotensin II Promotes K V 7.4 Channels Degradation Through Reduced Interaction With HSP90 (Heat Tj ETQq0 0,0 rgBT /Overlock 10	2.7	22
17	Microtubule Regulation of Kv7 Channels Orchestrates cAMP-Mediated Vasorelaxations in Rat Arterial Smooth Muscle. <i>Hypertension</i> , 2018, 71, 336-345.	2.7	24
18	Contractile responses in intact and mucosa-denuded human ureter—a comparison with urinary bladder detrusor preparations. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 773-782.	3.0	4

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19	4-aminopyridine: a pan voltage-gated potassium channel inhibitor that enhances K _v 7.4 currents and inhibits noradrenaline-mediated contraction of rat mesenteric small arteries. <i>British Journal of Pharmacology</i> , 2018, 175, 501-516.	5.4	29
20	Impaired Kv7 channel function in cerebral arteries of a tauopathy mouse model (<i>g4510</i>). <i>Physiological Reports</i> , 2018, 6, e13920.	1.7	7
21	Unravelling the complexities of vascular smooth muscle ion channels: Fine tuning of activity by ancillary subunits. , 2017, 178, 57-66.		5
22	MicroRNA-153 targeting of KCNQ4 contributes to vascular dysfunction in hypertension. <i>Cardiovascular Research</i> , 2016, 112, 581-589.	3.8	43
23	Molecular and functional characterization of K _v 7 channels in penile arteries and corpus cavernosum of healthy and metabolic syndrome rats. <i>British Journal of Pharmacology</i> , 2016, 173, 1478-1490.	5.4	24
24	Kcne4 Deletion Sex-Dependently Alters Vascular Reactivity. <i>Journal of Vascular Research</i> , 2016, 53, 138-148.	1.4	32
25	pH-dependent inhibition of K2P3.1 prolongs atrial refractoriness in whole hearts. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 643-654.	2.8	19
26	Fundamental role for the KCNE4 ancillary subunit in Kv7.4 regulation of arterial tone. <i>Journal of Physiology</i> , 2015, 593, 5325-5340.	2.9	61
27	Contribution of Kv7 Channels to Natriuretic Peptide Mediated Vasodilation in Normal and Hypertensive Rats. <i>Hypertension</i> , 2015, 65, 676-682.	2.7	63
28	Contribution of Kv7.4/Kv7.5 Heteromers to Intrinsic and Calcitonin Gene-Related Peptide-Induced Cerebral Reactivity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 887-893.	2.4	70
29	Vasorelaxant effects of novel K _v 7.4 channel enhancers <i>ML213</i> and <i>NS15370</i> . <i>British Journal of Pharmacology</i> , 2014, 171, 4413-4424.	5.4	39
30	KV7 potassium channels: a new therapeutic target in smooth muscle disorders. <i>Drug Discovery Today</i> , 2014, 19, 413-424.	6.4	83
31	One man's side effect is another man's therapeutic opportunity: targeting Kv7 channels in smooth muscle disorders. <i>British Journal of Pharmacology</i> , 2013, 168, 19-27.	5.4	43
32	Contribution of K v 7 Channels to Basal Coronary Flow and Active Response to Ischemia. <i>Hypertension</i> , 2013, 62, 1090-1097.	2.7	74
33	Reduced KCNQ4-Encoded Voltage-Dependent Potassium Channel Activity Underlies Impaired β^2 -Adrenoceptor-Mediated Relaxation of Renal Arteries in Hypertension. <i>Hypertension</i> , 2012, 59, 877-884.	2.7	113
34	Pharmacological dissection of K _v 7.1 channels in systemic and pulmonary arteries. <i>British Journal of Pharmacology</i> , 2012, 166, 1377-1387.	5.4	48
35	Expression and function of the K ⁺ channel <i>KCNQ</i> genes in human arteries. <i>British Journal of Pharmacology</i> , 2011, 162, 42-53.	5.4	126
36	Downregulation of Kv7.4 Channel Activity in Primary and Secondary Hypertension. <i>Circulation</i> , 2011, 124, 602-611.	1.6	139

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37	Expression profile and protein translation of TMEM16A in murine smooth muscle. American Journal of Physiology - Cell Physiology, 2010, 299, C948-C959.	4.6	102
38	TMEM16A is Expressed in Vascular Tissues that Display Robust Calcium-Activated Chloride Currents. Biophysical Journal, 2010, 98, 318a-319a.	0.5	0
39	Molecular and functional characterization of $K_{v}7 K^{+}$ channel in murine gastrointestinal smooth muscles. American Journal of Physiology - Renal Physiology, 2009, 297, G107-G115.	3.4	62