Thomas A Jepps

List of Publications by Year
in descending order

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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	Downregulation of Kv7.4 Channel Activity in Primary and Secondary Hypertension. Circulation, 2011, 124, 602-611.	1.6	139
2	Expression and function of the K⁺ channel KCNQ genes in human arteries. British Journal of Pharmacology, 2011, 162, 42-53.	5.4	126
3	Reduced KCNQ4-Encoded Voltage-Dependent Potassium Channel Activity Underlies Impaired Î²-Adrenoceptorâ€“Mediated Relaxation of Renal Arteries in Hypertension. Hypertension, 2012, 59, 877-884.	2.7	113
4	Expression profile and protein translation of TMEM16A in murine smooth muscle. American Journal of Physiology - Cell Physiology, 2010, 299, C948-C959.	4.6	102
5	KV7 potassium channels: a new therapeutic target in smooth muscle disorders. Drug Discovery Today, 2014, 19, 413-424.	6.4	83
6	Contribution of K v 7 Channels to Basal Coronary Flow and Active Response to Ischemia. Hypertension, 2013, 62, 1090-1097.	2.7	74
7	Contribution of Kv7.4/Kv7.5 Heteromers to Intrinsic and Calcitonin Gene-Related Peptideâ€“Induced Cerebral Reactivity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 887-893.	2.4	70
8	Contribution of Kv7 Channels to Natriuretic Peptide Mediated Vasodilation in Normal and Hypertensive Rats. Hypertension, 2015, 65, 676-682.	2.7	63
9	Molecular and functional characterization of K_v7 K⁺ channel in murine gastrointestinal smooth muscles. American Journal of Physiology - Renal Physiology, 2009, 297, G107-G115.	3.4	62
10	Fundamental role for the KCNE4 ancillary subunit in Kv7.4 regulation of arterial tone. Journal of Physiology, 2015, 593, 5325-5340.	2.9	61
11	Pharmacological dissection of K_v7.1 channels in systemic and pulmonary arteries. British Journal of Pharmacology, 2012, 166, 1377-1387.	5.4	48
12	One man's side effect is another man's therapeutic opportunity: targeting Kv7 channels in smooth muscle disorders. British Journal of Pharmacology, 2013, 168, 19-27.	5.4	43
13	MicroRNA-153 targeting of KCNQ4 contributes to vascular dysfunction in hypertension. Cardiovascular Research, 2016, 112, 581-589.	3.8	43
14	Vasorelaxant effects of novel <scp>K_v</scp>7.4 channel enhancers <scp>ML</scp>213 and <scp>NS</scp>15370. British Journal of Pharmacology, 2014, 171, 4413-4424.	5.4	39
15	Cyclic AMP-Dependent Regulation of Kv7 Voltage-Gated Potassium Channels. Frontiers in Physiology, 2020, 11, 727.	2.8	34
16	TMEM16A is implicated in the regulation of coronary flow and is altered in hypertension. British Journal of Pharmacology, 2019, 176, 1635-1648.	5.4	34
17	Kcne4 Deletion Sex-Dependently Alters Vascular Reactivity. Journal of Vascular Research, 2016, 53, 138-148.	1.4	32
18	KCNQ5 activation is a unifying molecular mechanism shared by genetically and culturally diverse botanical hypotensive folk medicines. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21236-21245.	7.1	32

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19	4â€Aminopyridine: a pan voltageâ€gated potassium channel inhibitor that enhances K_v7.4 currents and inhibits noradrenalineâ€mediated contraction of rat mesenteric small arteries. British Journal of Pharmacology, 2018, 175, 501-516.	5.4	29
20	Deletion in mice of Xâ€linked, Brugada syndromeâ€“and atrial fibrillationâ€“associated Kcne5 augments ventricular K _v currents and predisposes to ventricular arrhythmia. FASEB Journal, 2019, 33, 2537-2552.	0.5	26
21	Molecular and functional characterization of K_v7 channels in penile arteries and corpus cavernosum of healthy and metabolic syndrome rats. British Journal of Pharmacology, 2016, 173, 1478-1490.	5.4	24
22	Microtubule Regulation of Kv7 Channels Orchestrates cAMP-Mediated Vasorelaxations in Rat Arterial Smooth Muscle. Hypertension, 2018, 71, 336-345.	2.7	24
23	Angiotensin II Promotes K V 7.4 Channels Degradation Through Reduced Interaction With HSP90 (Heat) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	22
24	pH-dependent inhibition of K2P3.1 prolongs atrial refractoriness in whole hearts. Pflugers Archiv European Journal of Physiology, 2016, 468, 643-654.	2.8	19
25	Acetaminophen (Paracetamol) Metabolites Induce Vasodilation and Hypotension by Activating Kv7 Potassium Channels Directly and Indirectly. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1207-1219.	2.4	15
26	Dynein regulates Kv7.4 channel trafficking from the cell membrane. Journal of General Physiology, 2021, 153, .	1.9	14
27	KCNQ5 Potassium Channel Activation Underlies Vasodilation by Tea. Cellular Physiology and Biochemistry, 2021, 55, 46-64.	1.6	14
28	Genome-wide association study identifies locus at chromosome 2q32.1 associated with syncope and collapse. Cardiovascular Research, 2020, 116, 138-148.	3.8	13
29	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. Biochemical Pharmacology, 2020, 173, 113631.	4.4	9
30	Editorial: Kv7 Channels: Structure, Physiology, and Pharmacology. Frontiers in Physiology, 2021, 12, 679317.	2.8	8
31	Identification of novel proteins and mechanistic pathways associated with early-onset hypertension by deep proteomic mapping of resistance arteries. Journal of Biological Chemistry, 2022, 298, 101512.	3.4	8
32	Impaired Kv7 channel function in cerebral arteries of a tauopathy mouse model (<scp>rT</scp> g4510). Physiological Reports, 2018, 6, e13920.	1.7	7
33	Unravelling the complexities of vascular smooth muscle ion channels: Fine tuning of activity by ancillary subunits. , 2017, 178, 57-66.		5
34	Contractile responses in intact and mucosa-denuded human ureterâ€”a comparison with urinary bladder detrusor preparations. Naunyn-Schmiedeberg's Archives of Pharmacology, 2018, 391, 773-782.	3.0	4
35	Kcne4 deletion sex dependently inhibits the RISK pathway response and exacerbates hepatic ischemia-reperfusion injury in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R552-R562.	1.8	4
36	Kv7 channel trafficking by the microtubule network in vascular smooth muscle. Acta Physiologica, 2021, 232, e13692.	3.8	4

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37	Synthetic resin acid derivatives selectively open the hK V 7.2/7.3 channel and prevent epileptic seizures. Epilepsia, 2021, 62, 1744-1758.	5.1	1
38	Functional sympatholysis in mouse skeletal muscle involves sarcoplasmic reticulum swelling in arterial smooth muscle cells. Physiological Reports, 2021, 9, e15133.	1.7	1
39	TMEM16A is Expressed in Vascular Tissues that Display Robust Calcium-Activated Chloride Currents. Biophysical Journal, 2010, 98, 318a-319a.	0.5	0