

Thomas A Jepps

List of Publications by Year in descending order

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39
papers

1,449
citations

331538

21
h-index

345118

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. <i>Circulation</i> , 2011, 124, 602-611.	1.6	139
2	Expression and function of the K ^v channel <i>KCNQ</i> genes in human arteries. <i>British Journal of Pharmacology</i> , 2011, 162, 42-53.	2.7	126
3	Reduced KCNQ4-Encoded Voltage-Dependent Potassium Channel Activity Underlies Impaired β -Adrenoceptor-Mediated Relaxation of Renal Arteries in Hypertension. <i>Hypertension</i> , 2012, 59, 877-884.	1.3	113
4	Expression profile and protein translation of TMEM16A in murine smooth muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C948-C959.	2.1	102
5	KV7 potassium channels: a new therapeutic target in smooth muscle disorders. <i>Drug Discovery Today</i> , 2014, 19, 413-424.	3.2	83
6	Contribution of K _v 7 Channels to Basal Coronary Flow and Active Response to Ischemia. <i>Hypertension</i> , 2013, 62, 1090-1097.	1.3	74
7	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.	1.1	70
8	Contribution of Kv7 Channels to Natriuretic Peptide Mediated Vasodilation in Normal and Hypertensive Rats. <i>Hypertension</i> , 2015, 65, 676-682.	1.3	63
9	Molecular and functional characterization of Kv7 K ⁺ channel in murine gastrointestinal smooth muscles. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, G107-G115.	1.6	62
10	Fundamental role for the KCNE4 ancillary subunit in Kv7.4 regulation of arterial tone. <i>Journal of Physiology</i> , 2015, 593, 5325-5340.	1.3	61
11	Pharmacological dissection of K _v 7.1 channels in systemic and pulmonary arteries. <i>British Journal of Pharmacology</i> , 2012, 166, 1377-1387.	2.7	48
12	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.	2.7	43
13	MicroRNA-153 targeting of KCNQ4 contributes to vascular dysfunction in hypertension. <i>Cardiovascular Research</i> , 2016, 112, 581-589.	1.8	43
14	Vasorelaxant effects of novel K _v 7.4 channel enhancers ML213 and NS15370. <i>British Journal of Pharmacology</i> , 2014, 171, 4413-4424.	2.7	39
15	Cyclic AMP-Dependent Regulation of Kv7 Voltage-Gated Potassium Channels. <i>Frontiers in Physiology</i> , 2020, 11, 727.	1.3	34
16	TMEM16A is implicated in the regulation of coronary flow and is altered in hypertension. <i>British Journal of Pharmacology</i> , 2019, 176, 1635-1648.	2.7	34
17	Kcne4 Deletion Sex-Dependently Alters Vascular Reactivity. <i>Journal of Vascular Research</i> , 2016, 53, 138-148.	0.6	32
18	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.	3.3	32

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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.	2.7	29
20	Deletion in mice of X-linked, Brugada syndrome-associated <i>Kcne5</i> augments ventricular K _v currents and predisposes to ventricular arrhythmia. <i>FASEB Journal</i> , 2019, 33, 2537-2552.	0.2	26
21	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.	2.7	24
22	Microtubule Regulation of Kv7 Channels Orchestrates cAMP-Mediated Vasorelaxations in Rat Arterial Smooth Muscle. <i>Hypertension</i> , 2018, 71, 336-345.	1.3	24
23	Angiotensin II Promotes K _v 7.4 Channels Degradation Through Reduced Interaction With HSP90 (Heat Shock Protein 90). <i>Journal of Biological Chemistry</i> , 2021, 296, 101784.	1.3	22
24	pH-dependent inhibition of K _v 3.1 prolongs atrial refractoriness in whole hearts. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 643-654.	1.3	19
25	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.	1.1	15
26	Dynein regulates Kv7.4 channel trafficking from the cell membrane. <i>Journal of General Physiology</i> , 2021, 153, .	0.9	14
27	KCNQ5 Potassium Channel Activation Underlies Vasodilation by Tea. <i>Cellular Physiology and Biochemistry</i> , 2021, 55, 46-64.	1.1	14
28	Genome-wide association study identifies locus at chromosome 2q32.1 associated with syncope and collapse. <i>Cardiovascular Research</i> , 2020, 116, 138-148.	1.8	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. <i>Biochemical Pharmacology</i> , 2020, 173, 113631.	2.0	9
30	Editorial: Kv7 Channels: Structure, Physiology, and Pharmacology. <i>Frontiers in Physiology</i> , 2021, 12, 679317.	1.3	8
31	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.	1.6	8
32	Impaired Kv7 channel function in cerebral arteries of a tauopathy mouse model (<i>scprT</i> g4510). <i>Physiological Reports</i> , 2018, 6, e13920.	0.7	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 ureter—a comparison with urinary bladder detrusor preparations. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 773-782.	1.4	4
35	<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.	0.9	4
36	Kv7 channel trafficking by the microtubule network in vascular smooth muscle. <i>Acta Physiologica</i> , 2021, 232, e13692.	1.8	4

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37	Synthetic resin acid derivatives selectively open the hK V 7.2/7.3 channel and prevent epileptic seizures. <i>Epilepsia</i> , 2021, 62, 1744-1758.	2.6	1
38	Functional sympatholysis in mouse skeletal muscle involves sarcoplasmic reticulum swelling in arterial smooth muscle cells. <i>Physiological Reports</i> , 2021, 9, e15133.	0.7	1
39	TMEM16A is Expressed in Vascular Tissues that Display Robust Calcium-Activated Chloride Currents. <i>Biophysical Journal</i> , 2010, 98, 318a-319a.	0.2	0