

David Mckinnon

List of Publications by Year in descending order

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23
papers

2,853
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2991
citing authors

#	ARTICLE	IF	CITATIONS
1	International Union of Pharmacology. LIII. Nomenclature and Molecular Relationships of Voltage-Gated Potassium Channels. <i>Pharmacological Reviews</i> , 2005, 57, 473-508.	16.0	785
2	Role of the Kv4.3 K ⁺ Channel in Ventricular Muscle. <i>Circulation Research</i> , 1996, 79, 659-668.	4.5	365
3	Distribution and Prevalence of Hyperpolarization-Activated Cation Channel (HCN) mRNA Expression in Cardiac Tissues. <i>Circulation Research</i> , 1999, 85, e1-6.	4.5	310
4	Regulation of KCHIP2 potassium channel β subunit gene expression underlies the gradient of transient outward current in canine and human ventricle. <i>Journal of Physiology</i> , 2001, 533, 119-125.	2.9	258
5	Identification of Two Nervous System-Specific Members of the <i>erg</i> Potassium Channel Gene Family. <i>Journal of Neuroscience</i> , 1997, 17, 9423-9432.	3.6	222
6	Tissue and Species Distribution of mRNA for the <i>kr</i> -like K ⁺ Channel, ERG. <i>Circulation Research</i> , 1997, 80, 261-268.	4.5	155
7	Effects of the Renin-Angiotensin System on the Current <i>I_{to}</i> in Epicardial and Endocardial Ventricular Myocytes From the Canine Heart. <i>Circulation Research</i> , 2000, 86, 1062-1068.	4.5	119
8	Transient Outward Current, <i>I_{to1}</i> , Is Altered in Cardiac Memory. <i>Circulation</i> , 1999, 99, 1898-1905.	1.6	118
9	Regulation of Ion Channel Expression. <i>Circulation Research</i> , 2004, 94, 874-883.	4.5	85
10	Concordant expression of KCHIP2 mRNA, protein and transient outward current throughout the canine ventricle. <i>Journal of Physiology</i> , 2003, 548, 815-822.	2.9	81
11	Regional variation in mRNA transcript abundance within the ventricular wall. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 295-302.	1.9	54
12	Evolution of ventricular myocyte electrophysiology. <i>Physiological Genomics</i> , 2008, 35, 262-272.	2.3	50
13	Cloning of a mammalian <i>erk</i> potassium channel gene and EAG mRNA distribution in rat sympathetic ganglia. <i>Journal of Physiology</i> , 1998, 511, 675-682.	2.9	41
14	Potassium Channel mRNA Expression in Prevertebral and Paravertebral Sympathetic Neurons. <i>European Journal of Neuroscience</i> , 1996, 8, 183-191.	2.6	39
15	The cAMP response element binding protein modulates expression of the transient outward current: Implications for cardiac memory. <i>Cardiovascular Research</i> , 2005, 68, 259-267.	3.8	35
16	Robust β -type calcium current expression following heterozygous knockout of the Cav1.2 gene in adult mouse heart. <i>Journal of Physiology</i> , 2011, 589, 3275-3288.	2.9	32
17	Hypertrophic phenotype in cardiac cell assemblies solely by structural cues and ensuing self-organization. <i>FASEB Journal</i> , 2011, 25, 851-862.	0.5	32
18	Sympathetic innervation modulates repolarizing K ⁺ currents in rat epicardial myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H915-H922.	3.2	24

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19	Molecular basis of the T- and L-type Ca ²⁺ currents in canine Purkinje fibres. <i>Journal of Physiology</i> , 2007, 579, 465-471.	2.9	24
20	Transmural gradients in ion channel and auxiliary subunit expression. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 122, 165-186.	2.9	10
21	Evolution of CpG island promoter function underlies changes in KChIP2 potassium channel subunit gene expression in mammalian heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1601-1606.	7.1	7
22	Inhibition of histone deacetylase (HDAC) by 4-phenylbutyrate results in increased junctional conductance between rat corpora smooth muscle cells. <i>Frontiers in Pharmacology</i> , 2015, 6, 9.	3.5	4
23	Regulatory Evolution and Voltage-Gated Ion Channel Expression in Squid Axon: Selection-Mutation Balance and Fitness Cliffs. <i>PLoS ONE</i> , 2015, 10, e0120785.	2.5	3