Robert Dumaine

List of Publications by Year
in descending order

42 papers	4,229 citations	201575 27 h-index	276775 41 g-index
44 all docs	44 docs citations	44 times ranked	3159 citing authors

#	Article	IF	Citations
1	The neuronal potassium current I _A is a potential target for pain during chronic inflammation. Physiological Reports, 2021, 9, e14975.	0.7	2
2	In utero exposure to nicotine abolishes the postnatal response of the cardiac sodium current to isoproterenol in newborn rabbit atrium. Heart Rhythm, 2019, 16, 494-501.	0.3	2
3	Apelin-13 Regulates Vasopressin-Induced Aquaporin-2 Expression and Trafficking in Kidney Collecting Duct Cells. Cellular Physiology and Biochemistry, 2019, 53, 687-700.	1.1	24
4	A Systematic Exploration of Macrocyclization in Apelin-13: Impact on Binding, Signaling, Stability, and Cardiovascular Effects. Journal of Medicinal Chemistry, 2018, 61, 2266-2277.	2.9	30
5	A novel three base-pair deletion in domain two of the cardiac sodium channel causes Brugada syndrome. Journal of Electrocardiology, 2018, 51, 667-673.	0.4	1
6	The hypotensive effect of activated apelin receptor is correlated with Î²-arrestin recruitment. Pharmacological Research, 2018, 131, 7-16.	3.1	23
7	In-utero exposure to nicotine alters the development of the rabbit cardiac conduction system and provides a potential mechanism for sudden infant death syndrome. Archives of Toxicology, 2017, 91, 3947-3960.	1.9	12
8	Apelin Compared With Dobutamine Exerts Cardioprotection and Extends Survival in a Rat Model of Endotoxin-Induced Myocardial Dysfunction*. Critical Care Medicine, 2017, 45, e391-e398.	0.4	30
9	Structureâ€“activity relationship of novel macrocyclic biased apelin receptor agonists. Organic and Biomolecular Chemistry, 2017, 15, 449-458.	1.5	27
10	ELABELA Improves Cardio-Renal Outcome in Fatal Experimental Septic Shock. Critical Care Medicine, 2017, 45, e1139-e1148.	0.4	49
11	Discovery and Structureâ€“Activity Relationship of a Bioactive Fragment of ELABELA that Modulates Vascular and Cardiac Functions. Journal of Medicinal Chemistry, 2016, 59, 2962-2972.	2.9	100
12	A Brugada syndrome proband with compound heterozygoteSCN5Amutations identified from a Chinese family in Singapore. Europace, 2016, 18, 897-904.	0.7	16
13	C-Terminal Modifications of Apelin-13 Significantly Change Ligand Binding, Receptor Signaling, and Hypotensive Action. Journal of Medicinal Chemistry, 2015, 58, 2431-2440.	2.9	48
14	Prolongation of Action Potential Duration and QT Interval During Epilepsy Linked to Increased Contribution of Neuronal Sodium Channels to Cardiac Late Na ⁺ Current. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 912-920.	2.1	48
15	Functional up-regulation of Nav1.8 sodium channel in AÎ² afferent fibers subjected to chronic peripheral inflammation. Journal of Neuroinflammation, 2014, 11, 45.	3.1	43
16	About half of the late sodium current in cardiac myocytes from dog ventricle is due to non-cardiac-type Na+ channels. Journal of Molecular and Cellular Cardiology, 2012, 53, 593-598.	0.9	45
17	Modulation of canine cardiac sodium current by Apelin. Journal of Molecular and Cellular Cardiology, 2010, 48, 694-701.	0.9	27
18	Larger dispersion of INa in female dog ventricle as a mechanism for gender-specific incidence of cardiac arrhythmias. Cardiovascular Research, 2009, 81, 82-89.	1.8	43

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19	Lidocaine-Induced Brugada Syndrome Phenotype Linked to a Novel Double Mutation in the Cardiac Sodium Channel. Circulation Research, 2008, 103, 396-404.	2.0	45
20	Comparison of K+ currents in cardiac Purkinje cells isolated from rabbit and dog. Journal of Molecular and Cellular Cardiology, 2007, 42, 378-389.	0.9	60
21	Genetic and biophysical basis for bupivacaine-induced ST segment elevation and VT/VF. Anesthesia unmasked Brugada syndrome. Heart Rhythm, 2006, 3, 1074-1078.	0.3	53
22	P6-4. Heart Rhythm, 2006, 3, S302.	0.3	1
23	Identification of Two Domains Involved in the Assembly of Transient Receptor Potential Canonical Channels*. Journal of Biological Chemistry, 2006, 281, 30356-30364.	1.6	50
24	Compound Heterozygous Mutations P336L and I1660V in the Human Cardiac Sodium Channel Associated With the Brugada Syndrome. Circulation, 2006, 114, 2026-2033.	1.6	102
25	Expression pattern of neuronal and skeletal muscle voltage-gated Na+channels in the developing mouse heart. Journal of Physiology, 2005, 564, 683-696.	1.3	95
26	Further Insights into the Effect of Quinidine in Short QT Syndrome Caused by a Mutation in HERG. Journal of Cardiovascular Electrophysiology, 2005, 16, 54-58.	0.8	189
27	Short QT syndrome. Cmaj, 2005, 173, 1349-1354.	0.9	64
28	Lidocaine-induced Brugada syndrome phenotype linked to a novel double mutation in the cardiac sodium channel. Heart Rhythm, 2005, 2, S294.	0.3	0
29	Cryptic 5? splice site activation in SCN5A associated with Brugada syndrome. Journal of Molecular and Cellular Cardiology, 2005, 38, 555-560.	0.9	51
30	Genetic and biophysical basis for bupivacaine-induced ST segment elevation and VT/VF. Anesthesia-mediated acquired Brugada syndrome. Heart Rhythm, 2005, 2, S49.	0.3	0
31	Sudden Death Associated With Short-QT Syndrome Linked to Mutations in HERG. Circulation, 2004, 109, 30-35.	1.6	804
32	Divergent action potential morphologies reveal nonequilibrium properties of human cardiac Na channels. Cardiovascular Research, 2004, 64, 477-487.	1.8	14
33	Phenotypic Characterization of a Large European Family with Brugada Syndrome Displaying a Sudden Unexpected Death Syndrome Mutation inSCN5A:. Journal of Cardiovascular Electrophysiology, 2004, 15, 64-69.	0.8	50
34	Value of Electrocardiographic Parameters and Ajmaline Test in the Diagnosis of Brugada Syndrome Caused by SCN5A Mutations. Circulation, 2004, 110, 3023-3027.	1.6	163
35	Molecular mechanisms underlying the long QT syndrome. Current Opinion in Cardiology, 2002, 17, 36-42.	0.8	32
36	Genetic and biophysical basis of sudden unexplained nocturnal death syndrome (SUNDS), a disease allelic to Brugada syndrome. Human Molecular Genetics, 2002, 11, 337-345.	1.4	334

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37	Novel mutations in domain I of SCN5A cause Brugada syndrome. Molecular Genetics and Metabolism, 2002, 75, 317-324.	0.5	61
38	A Molecular Link between the Sudden Infant Death Syndrome and the Long-QT Syndrome. New England Journal of Medicine, 2000, 343, 262-267.	13.9	340
39	Ionic Mechanisms Responsible for the Electrocardiographic Phenotype of the Brugada Syndrome Are Temperature Dependent. Circulation Research, 1999, 85, 803-809.	2.0	557
40	Actions of dolasetron and its major metabolite on guinea-pig papillary muscle fibres and the ?-subunit of human heart sodium channels expressed inXenopus oocytes. Drug Development Research, 1996, 37, 223-230.	1.4	2
41	HERG, a Primary Human Ventricular Target of the Nonsedating Antihistamine Terfenadine. Circulation, 1996, 94, 817-823.	1.6	262
42	Multiple Mechanisms of Na ⁺ Channelâ€“ Linked Long-QT Syndrome. Circulation Research, 1996, 78, 916-924.	2.0	285