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	Sudden Death Associated With Short-QT Syndrome Linked to Mutations in HERG. Circulation, 2004, 109, 30-35.	1.6	804
2	Ionic Mechanisms Responsible for the Electrocardiographic Phenotype of the Brugada Syndrome Are Temperature Dependent. Circulation Research, 1999, 85, 803-809.	2.0	557
3	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
4	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
5	Multiple Mechanisms of Na ⁺ Channelâ€“ Linked Long-QT Syndrome. Circulation Research, 1996, 78, 916-924.	2.0	285
6	HERG, a Primary Human Ventricular Target of the Nonsedating Antihistamine Terfenadine. Circulation, 1996, 94, 817-823.	1.6	262
7	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
8	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
9	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
10	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
11	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
12	Short QT syndrome. Cmaj, 2005, 173, 1349-1354.	0.9	64
13	Novel mutations in domain I of SCN5A cause Brugada syndrome. Molecular Genetics and Metabolism, 2002, 75, 317-324.	0.5	61
14	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
15	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
16	Cryptic 5? splice site activation in SCN5A associated with Brugada syndrome. Journal of Molecular and Cellular Cardiology, 2005, 38, 555-560.	0.9	51
17	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
18	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

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19	ELABELA Improves Cardio-Renal Outcome in Fatal Experimental Septic Shock. Critical Care Medicine, 2017, 45, e1139-e1148.	0.4	49
20	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
21	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
22	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
23	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
24	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
25	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
26	Molecular mechanisms underlying the long QT syndrome. Current Opinion in Cardiology, 2002, 17, 36-42.	0.8	32
27	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
28	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
29	Modulation of canine cardiac sodium current by Apelin. Journal of Molecular and Cellular Cardiology, 2010, 48, 694-701.	0.9	27
30	Structureâ€“activity relationship of novel macrocyclic biased apelin receptor agonists. Organic and Biomolecular Chemistry, 2017, 15, 449-458.	1.5	27
31	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
32	The hypotensive effect of activated apelin receptor is correlated with Î²-arrestin recruitment. Pharmacological Research, 2018, 131, 7-16.	3.1	23
33	A Brugada syndrome proband with compound heterozygoteSCN5Amutations identified from a Chinese family in Singapore. Europace, 2016, 18, 897-904.	0.7	16
34	Divergent action potential morphologies reveal nonequilibrium properties of human cardiac Na channels. Cardiovascular Research, 2004, 64, 477-487.	1.8	14
35	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
36	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

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37	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
38	The neuronal potassium current I _A is a potential target for pain during chronic inflammation. Physiological Reports, 2021, 9, e14975.	0.7	2
39	P6-4. Heart Rhythm, 2006, 3, S302.	0.3	1
40	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
41	Lidocaine-induced Brugada syndrome phenotype linked to a novel double mutation in the cardiac sodium channel. Heart Rhythm, 2005, 2, S294.	0.3	0
42	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