Oscar Casis Saenz

List of Publications by Year
in descending order

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49 papers	2,023 citations	394421 19 h-index	289244 40 g-index
50 all docs	50 docs citations	50 times ranked	2654 citing authors

#	Article	IF	Citations
1	Loss-of-Function Mutations in the Cardiac Calcium Channel Underlie a New Clinical Entity Characterized by ST-Segment Elevation, Short QT Intervals, and Sudden Cardiac Death. Circulation, 2007, 115, 442-449.	1.6	864
2	Macrophage-dependent IL-1Î² production induces cardiac arrhythmias in diabetic mice. Nature Communications, 2016, 7, 13344.	12.8	203
3	Mechanism of Action of a Novel Humanether-a-go-go-Related Gene Channel Activator. Molecular Pharmacology, 2006, 69, 658-665.	2.3	112
4	A novel rare variant in SCN1Bb linked to Brugada syndrome and SIDS by combined modulation of Na 1.5 and K 4.3 channel currents. Heart Rhythm, 2012, 9, 760-769.	0.7	104
5	Differences in regional distribution of K+ current densities in rat ventricle. Life Sciences, 1998, 63, 391-400.	4.3	60
6	Propafenone Preferentially Blocks the Rapidly Activating Component of Delayed Rectifier K + Current in Guinea Pig Ventricular Myocytes. Circulation Research, 1995, 76, 223-235.	4.5	47
7	Î±1-Adrenoceptors stimulate a GÎ±sprotein and reduce the transient outward K+current via a cAMP/PKA-mediated pathway in the rat heart. American Journal of Physiology - Cell Physiology, 2005, 288, C577-C585.	4.6	46
8	Differential modulation of Kv4.2 and Kv4.3 channels by calmodulin-dependent protein kinase II in rat cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1978-H1987.	3.2	45
9	Toll-like receptor 4 activation promotes cardiac arrhythmias by decreasing the transient outward potassium current (Ito) through an IRF3-dependent and MyD88-independent pathway. Journal of Molecular and Cellular Cardiology, 2014, 76, 116-125.	1.9	42
10	Mechanism of Block of Cardiac Transient Outward K+ Current (Ito) by Antidepressant Drugs. Journal of Cardiovascular Pharmacology, 1998, 32, 527-534.	1.9	41
11	Ionic channels underlying the ventricular action potential in zebrafish embryo. Pharmacological Research, 2014, 84, 26-31.	7.1	36
12	The Crossroad of Ion Channels and Calmodulin in Disease. International Journal of Molecular Sciences, 2019, 20, 400.	4.1	32
13	Spironolactone and captopril attenuates isoproterenol-induced cardiac remodelling in rats. Pharmacological Research, 2001, 44, 311-315.	7.1	29
14	Kv7 Channels Can Function without Constitutive Calmodulin Tethering. PLoS ONE, 2011, 6, e25508.	2.5	27
15	Improvement of the metabolic status recovers cardiac potassium channel synthesis in experimental diabetes. Acta Physiologica, 2013, 207, 447-459.	3.8	26
16	Effects of fluoxetine administration on mu-opoid receptor immunostaining in the rat forebrain. Brain Research, 1999, 817, 236-240.	2.2	23
17	Transient outward potassium channel regulation in healthy and diabetic heartsThis article is one of a selection of papers from the NATO Advanced Research Workshop on Translational Knowledge for Heart Health (published in part 1 of a 2-part Special Issue).. Canadian Journal of Physiology and Pharmacology, 2009, 87, 77-83.	1.4	22
18	LQT5 masquerading as LQT2: a dominant negative effect of KCNE1-D85N rare polymorphism on KCNH2 current. Europace, 2011, 13, 1478-1483.	1.7	21

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19	Restoration of cardiac transient outward potassium current by norepinephrine in diabetic rats. Pflugers Archiv European Journal of Physiology, 2000, 441, 102-107.	2.8	20
20	Thyroid stimulating hormone directly modulates cardiac electrical activity. Journal of Molecular and Cellular Cardiology, 2015, 89, 280-286.	1.9	18
21	Electrical Features of the Diabetic Myocardium. Arrhythmic and Cardiovascular Safety Considerations in Diabetes. Frontiers in Pharmacology, 2021, 12, 687256.	3.5	18
22	Regulation of cardiac transient outward potassium current by norepinephrine in normal and diabetic rats. Diabetes/Metabolism Research and Reviews, 2001, 17, 304-309.	4.0	17
23	Î±1-Adrenoreceptors regulate only the caveolae-located subpopulation of cardiac K_V4 channels. Channels, 2010, 4, 168-178.	2.8	17
24	High Thyrotropin Is Critical for Cardiac Electrical Remodeling and Arrhythmia Vulnerability in Hypothyroidism. Thyroid, 2019, 29, 934-945.	4.5	17
25	Adult and Developing Zebrafish as Suitable Models for Cardiac Electrophysiology and Pathology in Research and Industry. Frontiers in Physiology, 2020, 11, 607860.	2.8	16
26	Effects of Amphetamine on Calcium and Potassium Currents in Rat Heart. Journal of Cardiovascular Pharmacology, 2000, 36, 390-395.	1.9	16
27	DITPA restores the repolarizing potassium currents Itof and Iss in cardiac ventricular myocytes of diabetic rats. Life Sciences, 2006, 79, 883-889.	4.3	13
28	Adrenergic regulation of cardiac ionic channels. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 692-699.	2.6	13
29	Reduced Calmodulin Expression Accelerates Transient Outward Potassium Current Inactivation in Diabetic Rat Heart. Cellular Physiology and Biochemistry, 2008, 22, 625-634.	1.6	12
30	Microglia-Mediated Inflammation and Neural Stem Cell Differentiation in Alzheimerâ€™s Disease: Possible Therapeutic Role of KV1.3 Channel Blockade. Frontiers in Cellular Neuroscience, 2022, 16, 868842.	3.7	10
31	Imipramine, mianserine and maprotiline block delayed rectifier potassium current in ventricular myocytes. Pharmacological Research, 2002, 45, 141-146.	7.1	9
32	Mechanisms Responsible for the Trophic Effect of Beta-Adrenoceptors on the ItoCurrent Density in Type 1 Diabetic Rat Cardiomyocytes. Cellular Physiology and Biochemistry, 2013, 31, 25-36.	1.6	9
33	Mechanisms of IhERG/IKr Modulation by Î±1-Adrenoceptors in HEK293 Cells and Cardiac Myocytes. Cellular Physiology and Biochemistry, 2016, 40, 1261-1273.	1.6	7
34	Molecular and Electrophysiological Role of Diabetes-Associated Circulating Inflammatory Factors in Cardiac Arrhythmia Remodeling in a Metabolic-Induced Model of Type 2 Diabetic Rat. International Journal of Molecular Sciences, 2021, 22, 6827.	4.1	6
35	Kv1.3 Channel Blockade Improves Inflammatory Profile, Reduces Cardiac Electrical Remodeling, and Prevents Arrhythmia in Type 2 Diabetic Rats. Cardiovascular Drugs and Therapy, 2023, 37, 63-73.	2.6	5
36	Effects of lisinopril on electromechanical properties and membrane currents in guineaâ€pig cardiac preparations. British Journal of Pharmacology, 1993, 109, 873-879.	5.4	4

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37	Methylmercury Poisoning Induces Cardiac Electrical Remodeling and Increases Arrhythmia Susceptibility and Mortality. International Journal of Molecular Sciences, 2020, 21, 3490.	4.1	4
38	CaMKII Modulates the Cardiac Transient Outward K+ Current through its Association with Kv4 Channels in Non-Caveolar Membrane Rafts. Cellular Physiology and Biochemistry, 2019, 54, 27-39.	1.6	4
39	Cellular Mechanism Underlying the Misfunction of Cardiac Ionic Channels in Diabetes. , 2014, , 189-199.		3
40	Generation of NKX2.5GFP Reporter Human iPSCs and Differentiation Into Functional Cardiac Fibroblasts. Frontiers in Cell and Developmental Biology, 2021, 9, 797927.	3.7	2
41	Handling, processing and storage of toxic wastes in the university of the Basque country. Toxicology Letters, 1996, 88, 81.	0.8	1
42	THE DEBATE AS A PEDAGOGICAL TOOL FROM A MULTIDISCIPLINARY APPROACH. , 2017, , .		1
43	Metformin Reduces Potassium Currents and Prolongs Repolarization in Non-Diabetic Heart. International Journal of Molecular Sciences, 2022, 23, 6021.	4.1	1
44	In vitro effects of benzene on the soluble and the membrane-bound tyr-aminopeptidase activities. Toxicology Letters, 1996, 88, 45.	0.8	0
45	Internal management of toxic and hazardous wastes (THW). Toxicology Letters, 1996, 88, 82.	0.8	0
46	Modulation of the Cardiac Transient Outward Potassium Current by Alpha1-Adrenoceptors Requires Caveolae Integrity. Biophysical Journal, 2009, 96, 171a.	0.5	0
47	Modulation of the Cardiac Transient Outward Potassium Current by CaMKII is Dependent on Lipid Rafts Integrity. Biophysical Journal, 2010, 98, 135a.	0.5	0
48	Diabetesa gaixotasun inflamatorio gisa. Ekaia (journal), 0, , .	0.0	0
49	ACTIVE METHODOLOGIES FOR SOLVING CLINICAL CASES: STUDENTâ€™S FEEDBACK. , 2017, , .		0