Oscar Casis Saenz

List of Publications by Year
in descending order

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Version: 2024-02-01

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	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
2	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
3	Metformin Reduces Potassium Currents and Prolongs Repolarization in Non-Diabetic Heart. International Journal of Molecular Sciences, 2022, 23, 6021.	4.1	1
4	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
5	Electrical Features of the Diabetic Myocardium. Arrhythmic and Cardiovascular Safety Considerations in Diabetes. Frontiers in Pharmacology, 2021, 12, 687256.	3.5	18
6	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
7	Methylmercury Poisoning Induces Cardiac Electrical Remodeling and Increases Arrhythmia Susceptibility and Mortality. International Journal of Molecular Sciences, 2020, 21, 3490.	4.1	4
8	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
9	High Thyrotropin Is Critical for Cardiac Electrical Remodeling and Arrhythmia Vulnerability in Hypothyroidism. Thyroid, 2019, 29, 934-945.	4.5	17
10	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
11	The Crossroad of Ion Channels and Calmodulin in Disease. International Journal of Molecular Sciences, 2019, 20, 400.	4.1	32
12	ACTIVE METHODOLOGIES FOR SOLVING CLINICAL CASES: STUDENTâ€™S FEEDBACK. , 2017, , .		0
13	THE DEBATE AS A PEDAGOGICAL TOOL FROM A MULTIDISCIPLINARY APPROACH. , 2017, , .		1
14	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
15	Macrophage-dependent IL-1Î² production induces cardiac arrhythmias in diabetic mice. Nature Communications, 2016, 7, 13344.	12.8	203
16	Thyroid stimulating hormone directly modulates cardiac electrical activity. Journal of Molecular and Cellular Cardiology, 2015, 89, 280-286.	1.9	18
17	Ionic channels underlying the ventricular action potential in zebrafish embryo. Pharmacological Research, 2014, 84, 26-31.	7.1	36
18	Adrenergic regulation of cardiac ionic channels. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 692-699.	2.6	13

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19	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
20	Cellular Mechanism Underlying the Misfunction of Cardiac Ionic Channels in Diabetes. , 2014, , 189-199.		3
21	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
22	Improvement of the metabolic status recovers cardiac potassium channel synthesis in experimental diabetes. Acta Physiologica, 2013, 207, 447-459.	3.8	26
23	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
24	Kv7 Channels Can Function without Constitutive Calmodulin Tethering. PLoS ONE, 2011, 6, e25508.	2.5	27
25	LQT5 masquerading as LQT2: a dominant negative effect of KCNE1-D85N rare polymorphism on KCNH2 current. Europace, 2011, 13, 1478-1483.	1.7	21
26	Î±1-Adrenoreceptors regulate only the caveolae-located subpopulation of cardiac K_V4 channels. Channels, 2010, 4, 168-178.	2.8	17
27	Modulation of the Cardiac Transient Outward Potassium Current by CaMKII is Dependent on Lipid Rafts Integrity. Biophysical Journal, 2010, 98, 135a.	0.5	0
28	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
29	Modulation of the Cardiac Transient Outward Potassium Current by Alpha1-Adrenoceptors Requires Caveolae Integrity. Biophysical Journal, 2009, 96, 171a.	0.5	0
30	Reduced Calmodulin Expression Accelerates Transient Outward Potassium Current Inactivation in Diabetic Rat Heart. Cellular Physiology and Biochemistry, 2008, 22, 625-634.	1.6	12
31	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
32	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
33	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
34	Mechanism of Action of a Novel Humanether-a-go-go-Related Gene Channel Activator. Molecular Pharmacology, 2006, 69, 658-665.	2.3	112
35	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
36	Imipramine, mianserine and maprotiline block delayed rectifier potassium current in ventricular myocytes. Pharmacological Research, 2002, 45, 141-146.	7.1	9

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37	Spironolactone and captopril attenuates isoproterenol-induced cardiac remodelling in rats. Pharmacological Research, 2001, 44, 311-315.	7.1	29
38	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
39	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
40	Effects of Amphetamine on Calcium and Potassium Currents in Rat Heart. Journal of Cardiovascular Pharmacology, 2000, 36, 390-395.	1.9	16
41	Effects of fluoxetine administration on mu-opoid receptor immunostaining in the rat forebrain. Brain Research, 1999, 817, 236-240.	2.2	23
42	Differences in regional distribution of K+ current densities in rat ventricle. Life Sciences, 1998, 63, 391-400.	4.3	60
43	Mechanism of Block of Cardiac Transient Outward K+ Current (Ito) by Antidepressant Drugs. Journal of Cardiovascular Pharmacology, 1998, 32, 527-534.	1.9	41
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	Handling, processing and storage of toxic wastes in the university of the Basque country. Toxicology Letters, 1996, 88, 81.	0.8	1
46	Internal management of toxic and hazardous wastes (THW). Toxicology Letters, 1996, 88, 82.	0.8	0
47	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
48	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
49	Diabetesa gaixotasun inflamatorio gisa. Ekaia (journal), 0, , .	0.0	0