Guillermo J Perez

List of Publications by Year
in descending order

44 papers	2,728 citations	361045 20 h-index	301761 39 g-index
46 all docs	46 docs citations	46 times ranked	2564 citing authors

#	Article	IF	Citations
1	Vasoregulation by the Î²1 subunit of the calcium-activated potassium channel. Nature, 2000, 407, 870-876.	13.7	772
2	Ionic and Cellular Basis for the Predominance of the Brugada Syndrome Phenotype in Males. Circulation, 2002, 106, 2004-2011.	1.6	352
3	Functional Coupling of Ryanodine Receptors to KCa Channels in Smooth Muscle Cells from Rat Cerebral Arteries. Journal of General Physiology, 1999, 113, 229-238.	0.9	261
4	Micromolar Ca²⁺ from sparks activates Ca²⁺-sensitive K⁺ channels in rat cerebral artery smooth muscle. American Journal of Physiology - Cell Physiology, 2001, 281, C1769-C1775.	2.1	186
5	Calcium-activated K+ channels as modulators of human myometrial contractile activity. American Journal of Physiology - Cell Physiology, 1993, 265, C976-C985.	2.1	143
6	Electrophysiologic Properties and Antiarrhythmic Actions of a Novel Antianginal Agent. Journal of Cardiovascular Pharmacology and Therapeutics, 2004, 9, S65-S83.	1.0	115
7	Genetics and cardiac channelopathies. Genetics in Medicine, 2010, 12, 260-267.	1.1	96
8	A Missense Mutation in the Sodium Channel Î²2 Subunit RevealsSCN2Bas a New Candidate Gene for Brugada Syndrome. Human Mutation, 2013, 34, 961-966.	1.1	96
9	Ca2+Sparks and Their Function in Human Cerebral Arteries. Stroke, 2002, 33, 802-808.	1.0	90
10	Characterization of large-conductance, calcium-activated potassium channels from human myometrium. American Journal of Obstetrics and Gynecology, 1993, 168, 652-660.	0.7	58
11	Reconstitution of expressed KCa channels from Xenopus oocytes to lipid bilayers. Biophysical Journal, 1994, 66, 1022-1027.	0.2	57
12	A Common Single Nucleotide Polymorphism Can Exacerbate Long-QT Type 2 Syndrome Leading to Sudden Infant Death. Circulation: Cardiovascular Genetics, 2010, 3, 199-206.	5.1	53
13	Sodium channel current loss of function in induced pluripotent stem cell-derived cardiomyocytes from a Brugada syndrome patient. Journal of Molecular and Cellular Cardiology, 2018, 114, 10-19.	0.9	47
14	Functional expression of â€œcardiac-typeâ€•Nav1.5 sodium channel in canine intracardiac ganglia. Heart Rhythm, 2006, 3, 842-850.	0.3	43
15	Protein arginine methyl transferasesâ€3 and â€5 increase cell surface expression of cardiac sodium channel. FEBS Letters, 2013, 587, 3159-3165.	1.3	40
16	Ca2+ sparks and BK currents in gallbladder myocytes: role in CCK-induced response. American Journal of Physiology - Renal Physiology, 2002, 282, G165-G174.	1.6	39
17	Clinical and molecular characterization of a cardiac ryanodine receptor founder mutation causing catecholaminergic polymorphic ventricular tachycardia. Heart Rhythm, 2015, 12, 1636-1643.	0.3	38
18	A missense mutation in the sodium channel Î²1b subunit reveals SCN1B as a susceptibility gene underlying long QT syndrome. Heart Rhythm, 2014, 11, 1202-1209.	0.3	33

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19	Experimental Models of Brugada syndrome. International Journal of Molecular Sciences, 2019, 20, 2123.	1.8	28
20	Extra Virgin Olive Oil Contains a Phenolic Inhibitor of the Histone Demethylase LSD1/KDM1A. Nutrients, 2019, 11, 1656.	1.7	26
21	A Novel Missense Mutation, I890T, in the Pore Region of Cardiac Sodium Channel Causes Brugada Syndrome. PLoS ONE, 2013, 8, e53220.	1.1	22
22	Dual Effect of Tamoxifen on Arterial KCa Channels Does Not Depend on the Presence of the Î²1 Subunit. Journal of Biological Chemistry, 2005, 280, 21739-21747.	1.6	19
23	An SCN1B Variant Affects Both Cardiac-Type (NaV1.5) and Brain-Type (NaV1.1) Sodium Currents and Contributes to Complex Concomitant Brain and Cardiac Disorders. Frontiers in Cell and Developmental Biology, 2020, 8, 528742.	1.8	13
24	Overlapping LQT1 and LQT2 phenotype in a patient with long QT syndrome associated with loss-of-function variations in KCNQ1 and KCNH2. Canadian Journal of Physiology and Pharmacology, 2010, 88, 1181-1190.	0.7	12
25	Large-conductance calcium-activated potassium current modulates excitability in isolated canine intracardiac neurons. American Journal of Physiology - Cell Physiology, 2013, 304, C280-C286.	2.1	12
26	Elucidating the Role of K+ Channels during In Vitro Capacitation of Boar Spermatozoa: Do SLO1 Channels Play a Crucial Role?. International Journal of Molecular Sciences, 2019, 20, 6330.	1.8	12
27	DiBAC4(3) hits a â€œsweet spotâ€• for the activation of arterial large-conductance Ca2+-activated potassium channels independently of the Î²1-subunit. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1471-H1482.	1.5	9
28	Contribution of Cardiac Sodium Channel Î²-Subunit Variants to Brugada Syndrome. Circulation Journal, 2015, 79, 2118-2129.	0.7	9
29	Flecainide Reduces Ventricular Arrhythmias in Patients With Genotype RyR2-positive Catecholaminergic Polymorphic Ventricular Tachycardia. Revista Espanola De Cardiologia (English Ed) Tj ETQq1 1 0.784314 rgBT /Ove	7.8	
30	Kir2.3 knockâ€•down decreases I_{K1} current in neonatal rat cardiomyocytes. FEBS Letters, 2008, 582, 2338-2342.	1.3	7
31	Molecular heterogeneity of large-conductance calcium-activated potassium channels in canine intracardiac ganglia. Channels, 2013, 7, 322-328.	1.5	7
32	La flecainida reduce las arritmias ventriculares en pacientes con taquicardia ventricular polimÃ³rfica catecolaminÃ©rgica genotipo RyR2 positivo. Revista Espanola De Cardiologia, 2018, 71, 185-191.	0.6	7
33	Epigenetic Changes Governing Scn5a Expression in Denervated Skeletal Muscle. International Journal of Molecular Sciences, 2021, 22, 2755.	1.8	7
34	High sensitivity of the sheep pulmonary vein antrum to acetylcholine stimulation. Journal of Applied Physiology, 2008, 105, 293-298.	1.2	4
35	Comparative Study of the Effects of an SCN5A Mutation within a Family Diagnosed with Brugada Syndrome using iPS-CM. Biophysical Journal, 2020, 118, 500a.	0.2	2
36	The smooth muscle-type Î²1subunit potentiates activation by DiBAC4(3) in recombinant BK channels. Channels, 2014, 8, 95-102.	1.5	1

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37	Sudden infant death as the most severe phenotype caused by genetic modulation in a family with atrial fibrillation. Forensic Science International: Genetics, 2019, 43, 102159.	1.6	1
38	CPVT-Associated Mutation P.G357S-RYR2 Promotes a Gain of Function in Patient-Specific Induced Pluripotent Stem Cell-Derived Cardiomyocytes (iPS-CM). Biophysical Journal, 2020, 118, 255a.	0.2	1
39	Generation of an induced pluripotent stem cell line from a healthy Caucasian male. Stem Cell Research, 2022, 60, 102717.	0.3	1
40	Communication of local calcium release (calcium sparks) from ryanodine receptors (RyRs) in the sarcoplasmic reticulum (SR) to calcium-sensitive potassium (BK) channels in gallbladder smooth muscle (GBSM). Gastroenterology, 2000, 118, A859.	0.6	0
41	Twinkle Twinkle Little Spark: Out of Tune Potassium Channels. , 2005, , 145-155.		0
42	Overlapping LQT1 and LQT2 Phenotype in a Patient with Long QT Syndrome Associated with Loss-of-Function Variations in KCNQ1 and KCNH2. Biophysical Journal, 2010, 98, 116a.	0.2	0
43	Î²-Adrenergic Pathway is Enhanced by Hormone-Induced Maturation of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes (iPS-CM). Biophysical Journal, 2019, 116, 383a.	0.2	0
44	Cardiac Sodium Current is Severely Impaired in Induced Pluripotent Stem Cell-Derived Cardiomyocytes from Brugada Syndrome Patients. Biophysical Journal, 2019, 116, 390a-391a.	0.2	0