MÃ“nica Gallego

List of Publications by Year
in descending order

45 papers	2,156 citations	471509 17 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	2719 citing authors

#	ARTICLE	IF	CITATIONS
1	Post-translational modifications regulate the ticking of the circadian clock. Nature Reviews Molecular Cell Biology, 2007, 8, 139-148.	37.0	732
2	Setting Clock Speed in Mammals: The CK1É› tau Mutation in Mice Accelerates Circadian Pacemakers by Selectively Destabilizing PERIOD Proteins. Neuron, 2008, 58, 78-88.	8.1	342
3	An opposite role for tau in circadian rhythms revealed by mathematical modeling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10618-10623.	7.1	163
4	Protein serine/threonine phosphatases: life, death, and sleeping. Current Opinion in Cell Biology, 2005, 17, 197-202.	5.4	143
5	Protein phosphatase 1 regulates the stability of the circadian protein PER2. Biochemical Journal, 2006, 399, 169-175.	3.7	82
6	Reversible Protein Phosphorylation Regulates Circadian Rhythms. Cold Spring Harbor Symposia on Quantitative Biology, 2007, 72, 413-420.	1.1	80
7	Casein Kinase I in the Mammalian Circadian Clock. Methods in Enzymology, 2005, 393, 408-418.	1.0	62
8	Differences in regional distribution of K+ current densities in rat ventricle. Life Sciences, 1998, 63, 391-400.	4.3	60
9	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
10	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
11	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
12	Ionic channels underlying the ventricular action potential in zebrafish embryo. Pharmacological Research, 2014, 84, 26-31.	7.1	36
13	Spironolactone and captopril attenuates isoproterenol-induced cardiac remodelling in rats. Pharmacological Research, 2001, 44, 311-315.	7.1	29
14	Improvement of the metabolic status recovers cardiac potassium channel synthesis in experimental diabetes. Acta Physiologica, 2013, 207, 447-459.	3.8	26
15	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
16	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
17	Thyroid stimulating hormone directly modulates cardiac electrical activity. Journal of Molecular and Cellular Cardiology, 2015, 89, 280-286.	1.9	18
18	Electrical Features of the Diabetic Myocardium. Arrhythmic and Cardiovascular Safety Considerations in Diabetes. Frontiers in Pharmacology, 2021, 12, 687256.	3.5	18

#	ARTICLE	IF	CITATIONS
19	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
20	Î±1-Adrenoreceptors regulate only the caveolae-located subpopulation of cardiac K_V4 channels. Channels, 2010, 4, 168-178.	2.8	17
21	High Thyrotropin Is Critical for Cardiac Electrical Remodeling and Arrhythmia Vulnerability in Hypothyroidism. Thyroid, 2019, 29, 934-945.	4.5	17
22	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
23	Effects of Amphetamine on Calcium and Potassium Currents in Rat Heart. Journal of Cardiovascular Pharmacology, 2000, 36, 390-395.	1.9	16
24	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
25	Adrenergic regulation of cardiac ionic channels. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 692-699.	2.6	13
26	Reduced Calmodulin Expression Accelerates Transient Outward Potassium Current Inactivation in Diabetic Rat Heart. Cellular Physiology and Biochemistry, 2008, 22, 625-634.	1.6	12
27	Imipramine, mianserine and maprotiline block delayed rectifier potassium current in ventricular myocytes. Pharmacological Research, 2002, 45, 141-146.	7.1	9
28	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
29	Imipramine inhibits soluble enkephalin-degrading aminopeptidase activity in vitro. European Journal of Pharmacology, 1998, 360, 113-116.	3.5	7
30	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
31	Basolateral expression of GRP94 in parietal cells of gastric mucosa. Biochemistry (Moscow), 2014, 79, 8-15.	1.5	6
32	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
33	Subcellular analysis of Tyr-aminopeptidase activities in the developing rat cerebellum. Developmental Brain Research, 1997, 99, 66-71.	1.7	5
34	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
35	Methylmercury Poisoning Induces Cardiac Electrical Remodeling and Increases Arrhythmia Susceptibility and Mortality. International Journal of Molecular Sciences, 2020, 21, 3490.	4.1	4
36	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

#	Article	IF	Citations
37	Cellular Mechanism Underlying the Misfunction of Cardiac Ionic Channels in Diabetes. , 2014, , 189-199.		3
38	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
39	THE DEBATE AS A PEDAGOGICAL TOOL FROM A MULTIDISCIPLINARY APPROACH. , 2017, , .		1
40	Metformin Reduces Potassium Currents and Prolongs Repolarization in Non-Diabetic Heart. International Journal of Molecular Sciences, 2022, 23, 6021.	4.1	1
41	Modulation of the Cardiac Transient Outward Potassium Current by Alpha1-Adrenoceptors Requires Caveolae Integrity. Biophysical Journal, 2009, 96, 171a.	0.5	0
42	Modulation of the Cardiac Transient Outward Potassium Current by CaMKII is Dependent on Lipid Rafts Integrity. Biophysical Journal, 2010, 98, 135a.	0.5	0
43	Diabetesa gaixotasun inflamatorio gisa. Ekaia (journal), 0, , .	0.0	0
44	Abstract 157: Toll like Receptor 4 Activation Promotes Cardiac Arrhythmias By Decreasing The Transient Outward Potassium Current (ito) Through An Irf3 dependent And Myd88 independent Pathway. Circulation Research, 2014, 115, .	4.5	0
45	ACTIVE METHODOLOGIES FOR SOLVING CLINICAL CASES: STUDENTâ€™S FEEDBACK. , 2017, , .		0