Carolina D Garciarena

List of Publications by Year
in descending order

26	975	394421 19	580821 25
papers	citations	h-index	g-index

27	27	27	1445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endurance Training in the Spontaneously Hypertensive Rat. Hypertension, 2009, 53, 708-714.	2.7	91
2	Electroconductive Biohybrid Collagen/Pristine Graphene Composite Biomaterials with Enhanced Biological Activity. Advanced Materials, 2018, 30, e1706442.	21.0	81
3	Na⁺/H⁺exchanger-1 inhibitors decrease myocardial superoxide production via direct mitochondrial action. Journal of Applied Physiology, 2008, 105, 1706-1713.	2.5	78
4	The Positive Inotropic Effect of Angiotensin II. Hypertension, 2006, 47, 727-734.	2.7	70
5	Mitochondrial reactive oxygen species activate the slow force response to stretch in feline myocardium. Journal of Physiology, 2007, 584, 895-905.	2.9	67
6	Phosphodiesterase 5A Inhibition Induces Na + /H + Exchanger Blockade and Protection Against Myocardial Infarction. Hypertension, 2007, 49, 1095-1103.	2.7	63
7	Endothelin-1 induced hypertrophic effect in neonatal rat cardiomyocytes: Involvement of Na+/H+ and Na+/Ca2+ exchangers. Journal of Molecular and Cellular Cardiology, 2006, 41, 807-815.	1.9	56
8	Is Cardiac Hypertrophy in Spontaneously Hypertensive Rats the Cause or the Consequence of Oxidative Stress?. Hypertension Research, 2008, 31, 1465-1476.	2.7	55
9	Sarcolemmal localisation of Na⁺/H⁺ exchange and Na⁺â€“HCO₃^{â^’} coâ€transport influences the spatial regulation of intracellular pH in rat ventricular myocytes. Journal of Physiology, 2013, 591, 2287-2306.	2.9	48
10	H+-activated Na+ influx in the ventricular myocyte couples Ca2+-signalling to intracellular pH. Journal of Molecular and Cellular Cardiology, 2013, 61, 51-59.	1.9	44
11	Normalization of the calcineurin pathway underlies the regression of hypertensive hypertrophy induced by Na⁺/H⁺exchanger-1 (NHE-1) inhibitionThis paper is one of a selection of papers published in this Special Issue, entitled The Cellular and Molecular Basis of Cardiovascular Dysfunction, Dhalla 70th Birthday Tribute.. Canadian Journal of Physiology and Pharmacology, 2007, 85, 301-310.	1.4	41
12	Chronic NHE-1 blockade induces an antiapoptotic effect in the hypertrophied heart. Journal of Applied Physiology, 2009, 106, 1325-1331.	2.5	34
13	Role of reactive oxygen species (ROS) in angiotensin II-induced stimulation of the cardiac Na+/HCO3â^’ cotransport. Journal of Molecular and Cellular Cardiology, 2009, 47, 716-722.	1.9	32
14	Towards 3D in vitro models for the study of cardiovascular tissues and disease. Drug Discovery Today, 2016, 21, 1437-1445.	6.4	31
15	Endothelin isoforms and the response to myocardial stretch. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2925-H2930.	3.2	30
16	Early signals after stretch leading to cardiac hypertrophy. Key role of NHE-1. Frontiers in Bioscience - Landmark, 2008, Volume, 7096.	3.0	27
17	Myocardial Reperfusion Injury: Reactive Oxygen Species vs. NHE-1 Reactivation. Cellular Physiology and Biochemistry, 2011, 27, 13-22.	1.6	23
18	Decreased Activity of the Na ⁺ /H ⁺ Exchanger by Phosphodiesterase 5A Inhibition Is Attributed to an Increase in Protein Phosphatase Activity. Hypertension, 2010, 56, 690-695.	2.7	21

#	Article	IF	Citations
19	Inhibition of Vascular Endothelial Cell Leak Following Escherichia coli Attachment in an Experimental Model of Sepsis. Critical Care Medicine, 2018, 46, e805-e810.	0.9	20
20	Coordinated Molecular Cross-Talk between Staphylococcus aureus, Endothelial Cells and Platelets in Bloodstream Infection. Pathogens, 2015, 4, 869-882.	2.8	16
21	Pre-emptive and therapeutic value of blocking bacterial attachment to the endothelial alphaVbeta3 integrin with cilengitide in sepsis. Critical Care, 2017, 21, 246.	5.8	11
22	Phosphodiesterase 5A Inhibition Decreases NHE-1 Activity Without Altering Steady State pH_i: Role of Phosphatases. Cellular Physiology and Biochemistry, 2010, 26, 531-540.	1.6	10
23	Distinct moieties underlie biphasic H ⁺ gating of connexin43 channels, producing a pH optimum for intercellular communication. FASEB Journal, 2018, 32, 1969-1981.	0.5	9
24	From Anreps Phenomenon to Myocardial Hypertrophy: Role of the Na+/H+ Exchanger. Current Cardiology Reviews, 2007, 3, 149-164.	1.5	7
25	Early Hypertrophic Signals After Myocardial Stretch. Role of Reactive Oxygen Species and the Sodium/Hydrogen Exchanger. , 2010, , 327-371.		6
26	Low and High pH Gating of Connexin43 Channels. Biophysical Journal, 2013, 104, 281a.	0.5	0