# Carolina D Garciarena

List of Publications by Year
in descending order



| 26 | 975 | 393982 | 580395 |
|---|---|---|---|
| papers | citations | 19 h-index | 25 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. | 1.3 | 91 |
| 2 | Electroconductive Biohybrid Collagen/Pristine Graphene Composite Biomaterials with Enhanced Biological Activity. Advanced Materials, 2018, 30, e1706442. | 11.1 | 81 |
| 3 | Na<sup>+</sup>/H<sup>+</sup>exchanger-1 inhibitors decrease myocardial superoxide production via direct mitochondrial action. Journal of Applied Physiology, 2008, 105, 1706-1713. | 1.2 | 78 |
| 4 | The Positive Inotropic Effect of Angiotensin II. Hypertension, 2006, 47, 727-734. | 1.3 | 70 |
| 5 | Mitochondrial reactive oxygen species activate the slow force response to stretch in feline myocardium. Journal of Physiology, 2007, 584, 895-905. | 1.3 | 67 |
| 6 | Phosphodiesterase 5A Inhibition Induces Na + /H + Exchanger Blockade and Protection Against Myocardial Infarction. Hypertension, 2007, 49, 1095-1103. | 1.3 | 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. | 0.9 | 56 |
| 8 | Is Cardiac Hypertrophy in Spontaneously Hypertensive Rats the Cause or the Consequence of Oxidative Stress?. Hypertension Research, 2008, 31, 1465-1476. | 1.5 | 55 |
| 9 | Sarcolemmal localisation of Na<sup>+</sup>/H<sup>+</sup> exchange and Na<sup>+</sup>â€“HCO<sub>3</sub><sup>â^’</sup> coâ€transport influences the spatial regulation of intracellular pH in rat ventricular myocytes. Journal of Physiology, 2013, 591, 2287-2306. | 1.3 | 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. | 0.9 | 44 |
| 11 | Normalization of the calcineurin pathway underlies the regression of hypertensive hypertrophy induced by Na<sup>+</sup>/H<sup>+</sup>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. | 0.7 | 41 |
| 12 | Chronic NHE-1 blockade induces an antiapoptotic effect in the hypertrophied heart. Journal of Applied Physiology, 2009, 106, 1325-1331. | 1.2 | 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. | 0.9 | 32 |
| 14 | Towards 3D in vitro models for the study of cardiovascular tissues and disease. Drug Discovery Today, 2016, 21, 1437-1445. | 3.2 | 31 |
| 15 | Endothelin isoforms and the response to myocardial stretch. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2925-H2930. | 1.5 | 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. | 1.1 | 23 |
| 18 | Decreased Activity of the Na <sup>+</sup> /H <sup>+</sup> Exchanger by Phosphodiesterase 5A Inhibition Is Attributed to an Increase in Protein Phosphatase Activity. Hypertension, 2010, 56, 690-695. | 1.3 | 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. | 0.4 | 20 |
| 20 | Coordinated Molecular Cross-Talk between Staphylococcus aureus, Endothelial Cells and Platelets in Bloodstream Infection. Pathogens, 2015, 4, 869-882. | 1.2 | 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. | 2.5 | 11 |
| 22 | Phosphodiesterase 5A Inhibition Decreases NHE-1 Activity Without Altering Steady State pH<sub>i</sub>: Role of Phosphatases. Cellular Physiology and Biochemistry, 2010, 26, 531-540. | 1.1 | 10 |
| 23 | Distinct moieties underlie biphasic H <sup>+</sup> gating of connexin43 channels, producing a pH optimum for intercellular communication. FASEB Journal, 2018, 32, 1969-1981. | 0.2 | 9 |
| 24 | From Anreps Phenomenon to Myocardial Hypertrophy: Role of the Na+/H+ Exchanger. Current Cardiology Reviews, 2007, 3, 149-164. | 0.6 | 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. | 0.2 | 0 |