Irene Ennis

List of Publications by Year
in descending order

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62 papers	2,287 citations	186209 28 h-index	214721 47 g-index
65 all docs	65 docs citations	65 times ranked	1970 citing authors

#	Article	IF	Citations
1	Mechanisms Underlying the Increase in Force and Ca ²⁺ Transient That Follow Stretch of Cardiac Muscle. Circulation Research, 1999, 85, 716-722.	2.0	193
2	Sodium-Hydrogen Exchanger, Cardiac Overload, and Myocardial Hypertrophy. Circulation, 2007, 115, 1090-1100.	1.6	145
3	Stretch-Induced Alkalinization of Feline Papillary Muscle. Circulation Research, 1998, 83, 775-780.	2.0	132
4	The Anrep effect: 100 years later. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H175-H182.	1.5	123
5	Regression of Isoproterenol-Induced Cardiac Hypertrophy by Na + /H + Exchanger Inhibition. Hypertension, 2003, 41, 1324-1329.	1.3	99
6	Endurance Training in the Spontaneously Hypertensive Rat. Hypertension, 2009, 53, 708-714.	1.3	91
7	Clockwise Domain Arrangement of the Sodium Channel Revealed by Â¼-Conotoxin (GIIIA) Docking Orientation. Journal of Biological Chemistry, 2001, 276, 11072-11077.	1.6	85
8	Na⁺/H⁺exchanger-1 inhibitors decrease myocardial superoxide production via direct mitochondrial action. Journal of Applied Physiology, 2008, 105, 1706-1713.	1.2	78
9	The Positive Inotropic Effect of Angiotensin II. Hypertension, 2006, 47, 727-734.	1.3	70
10	Mitochondrial reactive oxygen species activate the slow force response to stretch in feline myocardium. Journal of Physiology, 2007, 584, 895-905.	1.3	67
11	Phosphodiesterase 5A Inhibition Induces Na + /H + Exchanger Blockade and Protection Against Myocardial Infarction. Hypertension, 2007, 49, 1095-1103.	1.3	63
12	Angiotensin II Activates Na ⁺ -Independent Cl ^{âˆ’} -HCO ₃ ^{âˆ’} Exchange in Ventricular Myocardium. Circulation Research, 1998, 82, 473-481.	2.0	61
13	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
14	Aldosterone Stimulates the Cardiac Na + /H + Exchanger via Transactivation of the Epidermal Growth Factor Receptor. Hypertension, 2011, 58, 912-919.	1.3	56
15	Enalapril Induces Regression of Cardiac Hypertrophy and Normalization of pH _i Regulatory Mechanisms. Hypertension, 1998, 31, 961-967.	1.3	53
16	Role of autocrine/paracrine mechanisms in response to myocardial strain. Pflugers Archiv European Journal of Physiology, 2011, 462, 29-38.	1.3	52
17	Mitochondrial reactive oxygen species (ROS) as signaling molecules of intracellular pathways triggered by the cardiac renin-angiotensin II-aldosterone system (RAAS). Frontiers in Physiology, 2013, 4, 126.	1.3	47
18	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.	0.7	41

#	Article	IF	Citations
19	Dual gene therapy with SERCA1 and Kir2.1 abbreviates excitation without suppressing contractility. Journal of Clinical Investigation, 2002, 109, 393-400.	3.9	41
20	The Anrep effect requires transactivation of the epidermal growth factor receptor. Journal of Physiology, 2010, 588, 1579-1590.	1.3	39
21	Stimulation of Myocardial Na+-Independent Clâˆ’-HCO3âˆ’Exchanger by Angiotensin II Is Mediated by Endogenous Endothelin. Circulation Research, 2000, 86, 622-627.	2.0	37
22	Molecular Basis of Isoform-specific Î¼-Conotoxin Block of Cardiac, Skeletal Muscle, and Brain Na+ Channels. Journal of Biological Chemistry, 2003, 278, 8717-8724.	1.6	36
23	The signaling pathway for aldosterone-induced mitochondrial production of superoxide anion in the myocardium. Journal of Molecular and Cellular Cardiology, 2014, 67, 60-68.	0.9	35
24	Chronic NHE-1 blockade induces an antiapoptotic effect in the hypertrophied heart. Journal of Applied Physiology, 2009, 106, 1325-1331.	1.2	34
25	Novel Structural Determinants of Î¼-Conotoxin (GIIIB) Block in Rat Skeletal Muscle (Î¼1) Na+ Channels. Journal of Biological Chemistry, 2000, 275, 27551-27558.	1.6	31
26	Physiological cardiac hypertrophy: Critical role of AKT in the prevention of NHE-1 hyperactivity. Journal of Molecular and Cellular Cardiology, 2014, 76, 186-195.	0.9	31
27	Endothelin isoforms and the response to myocardial stretch. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2925-H2930.	1.5	30
28	Influence of Na+-Independent Clâˆ’-HCO3âˆ’Exchange on the Slow Force Response to Myocardial Stretch. Circulation Research, 2003, 93, 1082-1088.	2.0	29
29	In vivo key role of reactive oxygen species and NHE-1 activation in determining excessive cardiac hypertrophy. Pflugers Archiv European Journal of Physiology, 2011, 462, 733-743.	1.3	29
30	Silencing of NHE-1 blunts the slow force response to myocardial stretch. Journal of Applied Physiology, 2011, 111, 874-880.	1.2	28
31	Early signals after stretch leading to cardiac hypertrophy. Key role of NHE-1. Frontiers in Bioscience - Landmark, 2008, Volume, 7096.	3.0	27
32	Upregulation of Myocardial Na+/H+ Exchanger Induced by Chronic Treatment with a Selective Inhibitor. Journal of Molecular and Cellular Cardiology, 2002, 34, 1539-1547.	0.9	25
33	Novel Interactions Identified between Î¼-Conotoxin and the Na+ Channel Domain I P-loop: Implications for Toxin-Pore Binding Geometry. Biophysical Journal, 2003, 85, 2299-2310.	0.2	23
34	Myocardial Reperfusion Injury: Reactive Oxygen Species vs. NHE-1 Reactivation. Cellular Physiology and Biochemistry, 2011, 27, 13-22.	1.1	23
35	Dual gene therapy with SERCA1 and Kir2.1 abbreviates excitation without suppressing contractility. Journal of Clinical Investigation, 2002, 109, 393-400.	3.9	22
36	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.	1.3	21

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37	Cardioprotective role of IGFâ€1 in the hypertrophied myocardium of the spontaneously hypertensive rats: A key effect on NHEâ€1 activity. Acta Physiologica, 2018, 224, e13092.	1.8	21
38	Mineralocorticoid receptor activation is crucial in the signalling pathway leading to the Anrep effect. Journal of Physiology, 2011, 589, 6051-6061.	1.3	20
39	Nitric oxide and CaMKII: Critical steps in the cardiac contractile response To IGF-1 and swim training. Journal of Molecular and Cellular Cardiology, 2017, 112, 16-26.	0.9	20
40	Silencing of sodium/hydrogen exchanger in the heart by direct injection of naked siRNA. Journal of Applied Physiology, 2011, 111, 566-572.	1.2	16
41	Cardiac hypertrophy reduction in SHR by specific silencing of myocardial Na⁺/H⁺exchanger. Journal of Applied Physiology, 2015, 118, 1154-1160.	1.2	16
42	Latent Specificity of Molecular Recognition in Sodium Channels Engineered To Discriminate between Two â€œIndistinguishableâ€•Î¼-Conotoxins. Biochemistry, 2001, 40, 6002-6008.	1.2	15
43	Na+/H+ exchanger and cardiac hypertrophy. Hipertension Y Riesgo Vascular, 2020, 37, 22-32.	0.3	14
44	Effects of antihypertensive therapy on cardiac sodium/hydrogen ion exchanger activity and hypertrophy in spontaneously hypertensive rats. Canadian Journal of Cardiology, 2002, 18, 667-72.	0.8	14
45	NHE-1 and NHE-6 Activities. Circulation Research, 2003, 93, 694-696.	2.0	13
46	Involvement of AE3 isoform of Na+-independent Clâ^'/HCO3â^' exchanger in myocardial pHi recovery from intracellular alkalization. Life Sciences, 2006, 78, 3018-3026.	2.0	13
47	The Autocrine/Paracrine Loop After Myocardial Stretch: Mineralocorticoid Receptor Activation. Current Cardiology Reviews, 2013, 9, 230-240.	0.6	11
48	Phosphodiesterase 5A Inhibition Decreases NHE-1 Activity Without Altering Steady State pH_i: Role of Phosphatases. Cellular Physiology and Biochemistry, 2010, 26, 531-540.	1.1	10
49	Myocardial Mineralocorticoid Receptor Activation by Stretching and Its Functional Consequences. Hypertension, 2014, 63, 112-118.	1.3	10
50	Silencing of the Na+/H+ exchanger 1(NHE-1) prevents cardiac structural and functional remodeling induced by angiotensin II. Experimental and Molecular Pathology, 2019, 107, 1-9.	0.9	10
51	From Anreps Phenomenon to Myocardial Hypertrophy: Role of the Na+/H+ Exchanger. Current Cardiology Reviews, 2007, 3, 149-164.	0.6	7
52	Early Hypertrophic Signals After Myocardial Stretch. Role of Reactive Oxygen Species and the Sodium/Hydrogen Exchanger. , 2010, , 327-371.		6
53	Endogenous endothelin 1 mediates angiotensin II-induced hypertrophy in electrically paced cardiac myocytes through EGFR transactivation, reactive oxygen species and NHE-1. Pflugers Archiv European Journal of Physiology, 2013, 466, 1819-30.	1.3	5
54	Reactive oxygen species partially mediate high dose angiotensin II-induced positive inotropic effect in cat ventricular myocytes. Cardiovascular Pathology, 2015, 24, 236-240.	0.7	3

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55	Gender differences in cardiac left ventricular mass and function: Clinical and experimental observations. Cardiology Journal, 2014, 21, 53-59.	0.5	3
56	Cardiac up-regulation of NBCe1 emerges as a beneficial consequence of voluntary wheel running in mice. Archives of Biochemistry and Biophysics, 2020, 694, 108600.	1.4	2
57	Early Activation of Intracellular Signals after Myocardial Stretch: Anrep Effect, Myocardial Hypertrophy and Heart Failure. , 2012, , 327-365.		1
58	39 Regression of isoproterenol-induced myocardial hypertrophy by Na+/H+ exchanger inhibition. Journal of Molecular and Cellular Cardiology, 2002, 34, A17.	0.9	0
59	51 Chronic inhibition of Na+/H+ exchanger causes upregulation of the cardiac antiporter. Journal of Molecular and Cellular Cardiology, 2002, 34, A19.	0.9	0
60	Inappropriate Left Ventricular Mass in a Young Population. Revista Espanola De Cardiologia (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	0
61	Masa ventricular izquierda inapropiada en una poblaciÃ³n de adultos jÃ³venes. Revista Espanola De Cardiologia, 2012, 65, 855-856.	0.6	0
62	Position statement on use of pharmacological combinations in a single pill for treatment of hypertension by Argentine Federation of Cardiology (FAC) and Argentine Society of Hypertension (SAHA). Journal of Human Hypertension, 2021, , .	1.0	0