Sergio Lavandero

List of Publications by Year
in descending order

327 papers	24,447 citations	13099 68 h-index	8866 145 g-index
347 all docs	347 docs citations	347 times ranked	39871 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Nitrosative stress drives heart failure with preserved ejection fraction. Nature, 2019, 568, 351-356.	27.8	492
4	Increased ERâ€“mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. Journal of Cell Science, 2011, 124, 2143-2152.	2.0	483
5	Mitochondrial dynamics, mitophagy and cardiovascular disease. Journal of Physiology, 2016, 594, 509-525.	2.9	441
6	Endoplasmic Reticulum and the Unfolded Protein Response. International Review of Cell and Molecular Biology, 2013, 301, 215-290.	3.2	440
7	Counter-regulatory reninâ€“angiotensin system in cardiovascular disease. Nature Reviews Cardiology, 2020, 17, 116-129.	13.7	371
8	Cardiomyocyte death: mechanisms and translational implications. Cell Death and Disease, 2011, 2, e244-e244.	6.3	368
9	Spliced X-Box Binding Protein 1 Couples the Unfolded Protein Response to Hexosamine Biosynthetic Pathway. Cell, 2014, 156, 1179-1192.	28.9	317
10	Autophagy in cardiovascular biology. Journal of Clinical Investigation, 2015, 125, 55-64.	8.2	294
11	Histone Deacetylase Inhibition Blunts Ischemia/Reperfusion Injury by Inducing Cardiomyocyte Autophagy. Circulation, 2014, 129, 1139-1151.	1.6	291
12	Regulation of autophagy by the inositol trisphosphate receptor. Cell Death and Differentiation, 2007, 14, 1029-1039.	11.2	285
13	The IKK complex contributes to the induction of autophagy. EMBO Journal, 2010, 29, 619-631.	7.8	274
14	Metabolic stressâ€“induced activation of FoxO1 triggers diabetic cardiomyopathy in mice. Journal of Clinical Investigation, 2012, 122, 1109-1118.	8.2	274
15	The inositol 1,4,5-trisphosphate receptor regulates autophagy through its interaction with Beclin 1. Cell Death and Differentiation, 2009, 16, 1006-1017.	11.2	258
16	Enalapril Attenuates Downregulation of Angiotensin-Converting Enzyme 2 in the Late Phase of Ventricular Dysfunction in Myocardial Infarcted Rat. Hypertension, 2006, 48, 572-578.	2.7	241
17	Molecular Mechanisms of Autophagy in the Cardiovascular System. Circulation Research, 2015, 116, 456-467.	4.5	234
18	Senescence, Apoptosis or Autophagy?. Gerontology, 2008, 54, 92-99.	2.8	220

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19	Changes in mitochondrial dynamics during ceramide-induced cardiomyocyte early apoptosis. Cardiovascular Research, 2008, 77, 387-397.	3.8	212
20	Insulin Stimulates Mitochondrial Fusion and Function in Cardiomyocytes via the Akt-mTOR-NFÎºB-Opa-1 Signaling Pathway. Diabetes, 2014, 63, 75-88.	0.6	195
21	New insights into IGF-1 signaling in the heart. Trends in Endocrinology and Metabolism, 2014, 25, 128-137.	7.1	190
22	Insulin-like Growth Factor-I Rapidly Activates Multiple Signal Transduction Pathways in Cultured Rat Cardiac Myocytes. Journal of Biological Chemistry, 1997, 272, 19115-19124.	3.4	188
23	Calcium Transport and Signaling in Mitochondria. , 2017, 7, 623-634.		168
24	Autophagy as a therapeutic target in cardiovascular disease. Journal of Molecular and Cellular Cardiology, 2011, 51, 584-593.	1.9	165
25	Endoplasmic reticulum: ER stress regulates mitochondrial bioenergetics. International Journal of Biochemistry and Cell Biology, 2012, 44, 16-20.	2.8	162
26	Cardiovascular autophagy. Autophagy, 2013, 9, 1455-1466.	9.1	162
27	Tumor Suppression and Promotion by Autophagy. BioMed Research International, 2014, 2014, 1-15.	1.9	147
28	Unsaturated fatty acids induce nonâ€canonical autophagy. EMBO Journal, 2015, 34, 1025-1041.	7.8	147
29	Mitochondrial fission is required for cardiomyocyte hypertrophy via a Ca2+-calcineurin signalling pathway. Journal of Cell Science, 2014, 127, 2659-71.	2.0	140
30	Testosterone Induces an Intracellular Calcium Increase by a Nongenomic Mechanism in Cultured Rat Cardiac Myocytes. Endocrinology, 2006, 147, 1386-1395.	2.8	130
31	Eplerenone Blocks Nongenomic Effects of Aldosterone on the Na+/H+ Exchanger, Intracellular Ca2+ Levels, and Vasoconstriction in Mesenteric Resistance Vessels. Endocrinology, 2005, 146, 973-980.	2.8	127
32	Energy-preserving effects of IGF-1 antagonize starvation-induced cardiac autophagy. Cardiovascular Research, 2012, 93, 320-329.	3.8	124
33	ACE2 and vasoactive peptides: novel players in cardiovascular/renal remodeling and hypertension. Therapeutic Advances in Cardiovascular Disease, 2015, 9, 217-237.	2.1	121
34	Diabetic cardiomyopathy: mechanisms and therapeutic targets. Drug Discovery Today Disease Mechanisms, 2010, 7, e135-e143.	0.8	116
35	Beta2-adrenergic receptor regulates cardiac fibroblast autophagy and collagen degradation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 23-31.	3.8	116
36	Sarcoplasmic reticulumâ€“mitochondria communication in cardiovascular pathophysiology. Nature Reviews Cardiology, 2017, 14, 342-360.	13.7	114

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37	Emerging role of mitophagy in cardiovascular physiology and pathology. Molecular Aspects of Medicine, 2020, 71, 100822.	6.4	114
38	Nanoparticles for diagnosis and therapy of atherosclerosis and myocardial infarction: evolution toward prospective theranostic approaches. Theranostics, 2018, 8, 4710-4732.	10.0	110
39	Cell Death and Survival Through the Endoplasmic Reticulum- Mitochondrial Axis. Current Molecular Medicine, 2013, 13, 317-329.	1.3	104
40	Glucose deprivation causes oxidative stress and stimulates aggresome formation and autophagy in cultured cardiac myocytes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 509-518.	3.8	102
41	Attenuation of endoplasmic reticulum stress using the chemical chaperone 4-phenylbutyric acid prevents cardiac fibrosis induced by isoproterenol. Experimental and Molecular Pathology, 2012, 92, 97-104.	2.1	102
42	Electrical Stimuli Release ATP to Increase GLUT4 Translocation and Glucose Uptake via PI3KÎ³-Akt-AS160 in Skeletal Muscle Cells. Diabetes, 2013, 62, 1519-1526.	0.6	102
43	Fibroblast Primary Cilia Are Required for Cardiac Fibrosis. Circulation, 2019, 139, 2342-2357.	1.6	101
44	NAD ⁺ Repletion Reverses Heart Failure With Preserved Ejection Fraction. Circulation Research, 2021, 128, 1629-1641.	4.5	96
45	Proinflammatory cytokines differentially regulate adipocyte mitochondrial metabolism, oxidative stress, and dynamics. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1033-E1045.	3.5	92
46	Testosterone induces cardiomyocyte hypertrophy through mammalian target of rapamycin complex 1 pathway. Journal of Endocrinology, 2009, 202, 299-307.	2.6	91
47	ER-to-mitochondria miscommunication and metabolic diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2096-2105.	3.8	90
48	Dexamethasone-induced autophagy mediates muscle atrophy through mitochondrial clearance. Cell Cycle, 2014, 13, 2281-2295.	2.6	89
49	Drp1 Loss-of-function Reduces Cardiomyocyte Oxygen Dependence Protecting the Heart From Ischemia-reperfusion Injury. Journal of Cardiovascular Pharmacology, 2014, 63, 477-487.	1.9	88
50	Aldose Reductase Induced by Hyperosmotic Stress Mediates Cardiomyocyte Apoptosis. Journal of Biological Chemistry, 2003, 278, 38484-38494.	3.4	86
51	Inhibition of autophagy by TAB2 and TAB3. EMBO Journal, 2011, 30, 4908-4920.	7.8	85
52	Angiotensin-(1â€“9) regulates cardiac hypertrophy in vivo and in vitro. Journal of Hypertension, 2010, 28, 1054-1064.	0.5	84
53	Angiotensin-(1â€“9) reverses experimental hypertension and cardiovascular damage by inhibition of the angiotensin converting enzyme/Ang II axis. Journal of Hypertension, 2014, 32, 771-783.	0.5	83
54	Cardioprotection mediated by exosomes is impaired in the setting of type II diabetes but can be rescued by the use of nonâ€diabetic exosomes in vitro. Journal of Cellular and Molecular Medicine, 2018, 22, 141-151.	3.6	82

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55	Tuning flux: autophagy as a target of heart disease therapy. Current Opinion in Cardiology, 2011, 26, 216-222.	1.8	81
56	New Molecular Insights of Insulin in Diabetic Cardiomyopathy. Frontiers in Physiology, 2016, 7, 125.	2.8	81
57	Dexmedetomidine preconditioning activates pro-survival kinases and attenuates regional ischemia/reperfusion injury in rat heart. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 537-545.	3.8	80
58	Endothelial cells release cardioprotective exosomes that may contribute to ischaemic preconditioning. Scientific Reports, 2018, 8, 15885.	3.3	80
59	Neuronal Thy-1 induces astrocyte adhesion by engaging syndecan-4 in a cooperative interaction with Î±vÎ²3 integrin that activates PKCÎ± and RhoA. Journal of Cell Science, 2009, 122, 3462-3471.	2.0	78
60	Cardiomyocyte ryanodine receptor degradation by chaperone-mediated autophagy. Cardiovascular Research, 2013, 98, 277-285.	3.8	78
61	VCAM-1 as a predictor biomarker in cardiovascular disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166170.	3.8	78
62	Mitochondrial control of cell death induced by hyperosmotic stress. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 3-18.	4.9	76
63	Increased levels of oxidative stress, subclinical inflammation, and myocardial fibrosis markers in primary aldosteronism patients. Journal of Hypertension, 2010, 28, 2120-2126.	0.5	76
64	Is Mitochondrial Dysfunction a Common Root of Noncommunicable Chronic Diseases?. Endocrine Reviews, 2020, 41, .	20.1	76
65	Insulin-like Growth Factor-1 Induces an Inositol 1,4,5-Trisphosphate-dependent Increase in Nuclear and Cytosolic Calcium in Cultured Rat Cardiac Myocytes. Journal of Biological Chemistry, 2004, 279, 7554-7565.	3.4	73
66	Use of Human Mesenchymal Cells to Improve Vascularization in a Mouse Model for Scaffold-Based Dermal Regeneration. Tissue Engineering - Part A, 2009, 15, 1191-1200.	3.1	73
67	Local Control of Nuclear Calcium Signaling in Cardiac Myocytes by Perinuclear Microdomains of Sarcolemmal Insulin-Like Growth Factor 1 Receptors. Circulation Research, 2013, 112, 236-245.	4.5	73
68	The Inositol Trisphosphate Receptor in the Control of Autophagy. Autophagy, 2007, 3, 350-353.	9.1	72
69	Polycystin-1 Is a Cardiomyocyte Mechanosensor That Governs L-Type Ca ²⁺ Channel Protein Stability. Circulation, 2015, 131, 2131-2142.	1.6	71
70	Diabetic cardiomyopathy and metabolic remodeling of the heart. Life Sciences, 2013, 92, 609-615.	4.3	70
71	Inhibition of class I histone deacetylases blunts cardiac hypertrophy through TSC2-dependent mTOR repression. Science Signaling, 2016, 9, ra34.	3.6	69
72	Dexmedetomidine protects the heart against ischemia-reperfusion injury by an endothelial eNOS/NO dependent mechanism. Pharmacological Research, 2016, 103, 318-327.	7.1	69

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73	Impaired cardiac autophagy in patients developing postoperative atrial fibrillation. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 451-459.e1.	0.8	66
74	Mitochondrial Fission and Autophagy in the Normal and Diseased Heart. Current Hypertension Reports, 2010, 12, 418-425.	3.5	63
75	Oxidative Stress and Autophagy in Cardiovascular Homeostasis. Antioxidants and Redox Signaling, 2014, 20, 507-518.	5.4	63
76	Pleiotropic Effects of Atorvastatin in Heart Failure: Role in Oxidative Stress, Inflammation, Endothelial Function, and Exercise Capacity. Journal of Heart and Lung Transplantation, 2008, 27, 435-441.	0.6	62
77	Apoptosis, necrosis and autophagy are influenced by metabolic energy sources in cultured rat spermatocytes. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 539-550.	4.9	62
78	Recent insights and therapeutic perspectives of angiotensin-(1â€“9) in the cardiovascular system. Clinical Science, 2014, 127, 549-557.	4.3	62
79	Calpains and proteasomes mediate degradation of ryanodine receptors in a model of cardiac ischemic reperfusion. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 356-362.	3.8	61
80	Mitochondria, Myocardial Remodeling, and Cardiovascular Disease. Current Hypertension Reports, 2012, 14, 532-539.	3.5	61
81	Autophagy and oxidative stress in non-communicable diseases: A matter of the inflammatory state?. Free Radical Biology and Medicine, 2018, 124, 61-78.	2.9	61
82	The complex interplay between mitochondrial dynamics and cardiac metabolism. Journal of Bioenergetics and Biomembranes, 2011, 43, 47-51.	2.3	59
83	Xbp1s-FoxO1 axis governs lipid accumulation and contractile performance in heart failure with preserved ejection fraction. Nature Communications, 2021, 12, 1684.	12.8	59
84	FoxO1 mediates TGF-beta1-dependent cardiac myofibroblast differentiation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 128-138.	4.1	58
85	Protein Carbonylation and Adipocyte Mitochondrial Function*. Journal of Biological Chemistry, 2012, 287, 32967-32980.	3.4	56
86	Rho kinase inhibition activates the homologous angiotensin-converting enzyme-angiotensin-(1â€“9) axis in experimental hypertension. Journal of Hypertension, 2011, 29, 706-715.	0.5	55
87	Manipulation of ACE2 expression in COVID-19. Open Heart, 2020, 7, e001424.	2.3	55
88	Insulin elicits a ROS-activated and an IP3-dependent Ca2+ release; both impinge on GLUT4 translocation. Journal of Cell Science, 2014, 127, 1911-23.	2.0	54
89	Ceramide-induced formation of ROS and ATP depletion trigger necrosis in lymphoid cells. Free Radical Biology and Medicine, 2008, 44, 1146-1160.	2.9	52
90	Control of Growth and Differentiation of the Mammary Gland by Growth Factors. Journal of Dairy Science, 1991, 74, 2788-2800.	3.4	51

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91	Mitochondrial Dynamics: a Potential New Therapeutic Target for Heart Failure. Revista Espanola De Cardiologia (English Ed), 2011, 64, 916-923.	0.6	51
92	Mitochondria in Structural and Functional Cardiac Remodeling. Advances in Experimental Medicine and Biology, 2017, 982, 277-306.	1.6	51
93	Defective insulin signaling and mitochondrial dynamics in diabetic cardiomyopathy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1113-1118.	4.1	50
94	Effect of inhibitors of signal transduction on IGF-1-induced protein synthesis associated with hypertrophy in cultured neonatal rat ventricular myocytes. FEBS Letters, 1998, 422, 193-196.	2.8	49
95	TGF-Î²1 prevents simulated ischemia/reperfusion-induced cardiac fibroblast apoptosis by activation of both canonical and non-canonical signaling pathways. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 754-762.	3.8	49
96	Mitochondrial fragmentation impairs insulin-dependent glucose uptake by modulating Akt activity through mitochondrial Ca²⁺ uptake. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1-E13.	3.5	49
97	Inhibition of mitochondrial fission prevents hypoxia-induced metabolic shift and cellular proliferation of pulmonary arterial smooth muscle cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2891-2903.	3.8	48
98	A rapid and strong apoptotic process is triggered by hyperosmotic stress in cultured rat cardiac myocytes. Cell and Tissue Research, 2001, 304, 279-285.	2.9	47
99	An Inositol 1,4,5-Triphosphate (IP3)-IP3 Receptor Pathway Is Required for Insulin-Stimulated Glucose Transporter 4 Translocation and Glucose Uptake in Cardiomyocytes. Endocrinology, 2010, 151, 4665-4677.	2.8	47
100	Trimetazidine prevents palmitate-induced mitochondrial fission and dysfunction in cultured cardiomyocytes. Biochemical Pharmacology, 2014, 91, 323-336.	4.4	47
101	Down Syndrome Critical Region 1 Gene, Rcan1 , Helps Maintain a More Fused Mitochondrial Network. Circulation Research, 2018, 122, e20-e33.	4.5	47
102	Epigenetic Reader BRD4 (Bromodomain-Containing Protein 4) Governs Nucleus-Encoded Mitochondrial Transcriptome to Regulate Cardiac Function. Circulation, 2020, 142, 2356-2370.	1.6	47
103	IKK connects autophagy to major stress pathways. Autophagy, 2010, 6, 189-191.	9.1	46
104	Testosterone increases GLUT4â€dependent glucose uptake in cardiomyocytes. Journal of Cellular Physiology, 2013, 228, 2399-2407.	4.1	46
105	Organelle communication: Signaling crossroads between homeostasis and disease. International Journal of Biochemistry and Cell Biology, 2014, 50, 55-59.	2.8	46
106	Caveolin-1 impairs PKA-DRP1-mediated remodelling of ERâ€“mitochondria communication during the early phase of ER stress. Cell Death and Differentiation, 2019, 26, 1195-1212.	11.2	46
107	Contraction-related stimuli regulate GLUT4 traffic in C₂C₁₂-GLUT4mycskeletal muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E1058-E1071.	3.5	44
108	The transcription factor MEF2C mediates cardiomyocyte hypertrophy induced by IGF-1 signaling. Biochemical and Biophysical Research Communications, 2009, 388, 155-160.	2.1	43

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109	Female Sex Is Protective in a Preclinical Model of Heart Failure With Preserved Ejection Fraction. Circulation, 2019, 140, 1769-1771.	1.6	43
110	Mitochondria fine-tune the slow Ca2+ transients induced by electrical stimulation of skeletal myotubes. Cell Calcium, 2010, 48, 358-370.	2.4	42
111	Anabolic Androgenic Steroids and Intracellular Calcium Signaling: A Mini Review on Mechanisms and Physiological Implications. Mini-Reviews in Medicinal Chemistry, 2011, 11, 390-398.	2.4	40
112	Serotonin (5â€HT) regulates neurite outgrowth through 5â€HT_{1A} and 5â€HT₇ receptors in cultured hippocampal neurons. Journal of Neuroscience Research, 2014, 92, 1000-1009.	2.9	40
113	Calcium signaling in insulin action on striated muscle. Cell Calcium, 2014, 56, 390-396.	2.4	40
114	Ca2+, autophagy and protein degradation: Thrown off balance in neurodegenerative disease. Cell Calcium, 2010, 47, 112-121.	2.4	39
115	Iron induces protection and necrosis in cultured cardiomyocytes: Role of reactive oxygen species and nitric oxide. Free Radical Biology and Medicine, 2010, 48, 526-534.	2.9	39
116	Glutathione Depletion Induces Spermatogonial Cell Autophagy. Journal of Cellular Biochemistry, 2015, 116, 2283-2292.	2.6	38
117	The use of glandular-derived stem cells to improve vascularization in scaffold-mediated dermal regeneration. Biomaterials, 2009, 30, 5918-5926.	11.4	37
118	Left Atrial Dysfunction Is a Predictor of Postcoronary Artery Bypass Atrial Fibrillation: Association of Left Atrial Strain and Strain Rate Assessed by Speckle Tracking. Echocardiography, 2011, 28, 1104-1108.	0.9	37
119	Calcium and mitochondrial metabolism in ceramide-induced cardiomyocyte death. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1334-1344.	3.8	37
120	Alteration in mitochondrial Ca2+ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. Cell Communication and Signaling, 2014, 12, 68.	6.5	37
121	Ca²⁺signals promote GLUT4 exocytosis and reduce its endocytosis in muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E209-E224.	3.5	37
122	Heart Disease and Cancer. Circulation, 2018, 138, 692-695.	1.6	37
123	Extracellular Regulated Kinase, but Not Protein Kinase C, Is an Antiapoptotic Signal of Insulin-like Growth Factor-1 on Cultured Cardiac Myocytes. Biochemical and Biophysical Research Communications, 2000, 273, 736-744.	2.1	36
124	Relation between oxidative stress, catecholamines, and impaired chronotropic response to exercise in patients with chronic heart failure secondary to ischemic or idiopathic dilated cardiomyopathy. American Journal of Cardiology, 2003, 92, 215-218.	1.6	36
125	Increased Aortic NADPH Oxidase Activity in Rats With Genetically High Angiotensin-Converting Enzyme Levels. Hypertension, 2005, 46, 1362-1367.	2.7	35
126	Xanthine-oxidase inhibitors and statins in chronic heart failure: Effects on vascular and functional parameters. Journal of Heart and Lung Transplantation, 2011, 30, 408-413.	0.6	35

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127	Study protocol for the Maule Cohort (MAUCO) of chronic diseases, Chile 2014â€“2024. BMC Public Health, 2015, 16, 122.	2.9	35
128	Effects of carvedilol on oxidative stress and chronotropic response to exercise in patients with chronic heart failure. European Journal of Heart Failure, 2005, 7, 1033-1039.	7.1	34
129	Hyperosmotic stress-dependent NFÎºB activation is regulated by reactive oxygen species and IGF-1 in cultured cardiomyocytes. FEBS Letters, 2006, 580, 4495-4500.	2.8	34
130	Membrane Electrical Activity Elicits Inositol 1,4,5-Trisphosphate-dependent Slow Ca2+ Signals through a Gî²î³/Phosphatidylinositol 3-Kinase î³ Pathway in Skeletal Myotubes. Journal of Biological Chemistry, 2006, 281, 12143-12154.	3.4	34
131	Markedly increased Rho-kinase activity in circulating leukocytes in patients with chronic heart failure. American Heart Journal, 2011, 161, 931-937.	2.7	34
132	Systemic vascular cell adhesion molecule-1 predicts the occurrence of post-operative atrial fibrillation. International Journal of Cardiology, 2011, 150, 270-276.	1.7	34
133	Simvastatin induces apoptosis by a Rho-dependent mechanism in cultured cardiac fibroblasts and myofibroblasts. Toxicology and Applied Pharmacology, 2011, 255, 57-64.	2.8	34
134	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. Frontiers in Pharmacology, 2018, 9, 1553.	3.5	34
135	The role of autophagy in cardiovascular pathology. Cardiovascular Research, 2022, 118, 934-950.	3.8	34
136	Hyperosmotic stress stimulates autophagy via polycystin-2. Oncotarget, 2017, 8, 55984-55997.	1.8	34
137	IGF-1 Regulates Apoptosis of Cardiac Myocyte Induced by Osmotic-Stress. Biochemical and Biophysical Research Communications, 2000, 270, 1029-1035.	2.1	33
138	Trypanosoma cruzi calreticulin: A possible role in Chagasâ€™ disease autoimmunity. Molecular Immunology, 2009, 46, 1092-1099.	2.2	33
139	Systemic Oxidative Stress and Endothelial Dysfunction is Associated With an Attenuated Acute Vascular Response to Inhaled Prostanoid in Pulmonary Artery Hypertension Patients. Journal of Cardiac Failure, 2011, 17, 1012-1017.	1.7	33
140	A BAX/BAK and Cyclophilin D-Independent Intrinsic Apoptosis Pathway. PLoS ONE, 2012, 7, e37782.	2.5	33
141	Basal autophagy protects cardiomyocytes from doxorubicin-induced toxicity. Toxicology, 2016, 370, 41-48.	4.2	33
142	Angiotensin I-Converting Enzyme Modulates Neutral Endopeptidase Activity in the Rat. Hypertension, 2001, 38, 650-654.	2.7	32
143	Oxidative stress after reperfusion with primary coronary angioplasty: Lack of effect of glucose-insulin-potassium infusion. Critical Care Medicine, 2002, 30, 417-421.	0.9	32
144	IGF-1 protects cardiac myocytes from hyperosmotic stress-induced apoptosis via CREB. Biochemical and Biophysical Research Communications, 2005, 336, 1112-1118.	2.1	32

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145	Serum uric acid correlates with extracellular superoxide dismutase activity in patients with chronic heart failure. European Journal of Heart Failure, 2008, 10, 646-651.	7.1	32
146	Herp depletion protects from protein aggregation by up-regulating autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3295-3305.	4.1	32
147	mTORC1 inhibitor rapamycin and ER stressor tunicamycin induce differential patterns of ER-mitochondria coupling. Scientific Reports, 2016, 6, 36394.	3.3	32
148	Polycystin-2-dependent control of cardiomyocyte autophagy. Journal of Molecular and Cellular Cardiology, 2018, 118, 110-121.	1.9	32
149	Increased production of functional small extracellular vesicles in senescent endothelial cells. Journal of Cellular and Molecular Medicine, 2020, 24, 4871-4876.	3.6	32
150	NFAT5 Is Activated by Hypoxia: Role in Ischemia and Reperfusion in the Rat Kidney. PLoS ONE, 2012, 7, e39665.	2.5	32
151	Prevalence of the angiotensin I converting enzyme insertion/deletion polymorphism, plasma angiotensin converting enzyme activity, and left ventricular mass in a normotensive Chilean population. American Journal of Hypertension, 1999, 12, 697-704.	2.0	31
152	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. Autophagy, 2016, 12, 287-296.	9.1	31
153	HERPUD1 protects against oxidative stress-induced apoptosis through downregulation of the inositol 1,4,5-trisphosphate receptor. Free Radical Biology and Medicine, 2016, 90, 206-218.	2.9	31
154	Angiotensin-(1-9) reduces cardiovascular and renal inflammation in experimental renin-independent hypertension. Biochemical Pharmacology, 2018, 156, 357-370.	4.4	31
155	Polymorphism in gene coding for ACE determines different development of myocardial fibrosis in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H498-H506.	3.2	30
156	Rho Kinase Activation and Gene Expression Related to Vascular Remodeling in Normotensive Rats With High Angiotensin Iâ€“Converting Enzyme Levels. Hypertension, 2007, 50, 792-798.	2.7	30
157	Increased ERâ€“mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. Journal of Cell Science, 2011, 124, 2511-2511.	2.0	30
158	Cooperative Binding of ETS2 and NFAT Links Erk1/2 and Calcineurin Signaling in the Pathogenesis of Cardiac Hypertrophy. Circulation, 2021, 144, 34-51.	1.6	30
159	Changes in cyclic AMP dependent protein kinase and active stiffness in the rat volume overload model of heart hypertrophy. Cardiovascular Research, 1993, 27, 1634-1638.	3.8	29
160	Calcium Sensing Receptor as a Novel Mediator of Adipose Tissue Dysfunction: Mechanisms and Potential Clinical Implications. Frontiers in Physiology, 2016, 7, 395.	2.8	29
161	TonEBP suppresses IL-10-mediated immunomodulation. Scientific Reports, 2016, 6, 25726.	3.3	29
162	Therapeutic targeting of autophagy in myocardial infarction and heart failure. Expert Review of Cardiovascular Therapy, 2016, 14, 1007-1019.	1.5	29

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163	Angiotensin-(1â€“9) prevents cardiomyocyte hypertrophy by controlling mitochondrial dynamics via miR-129-3p/PKIA pathway. Cell Death and Differentiation, 2020, 27, 2586-2604.	11.2	29
164	IP3 receptor blockade restores autophagy and mitochondrial function in skeletal muscle fibers of dystrophic mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3685-3695.	3.8	28
165	Protection of the myocardium against ischemia/reperfusion injury by angiotensin-(1â€“9) through an AT2R and Akt-dependent mechanism. Pharmacological Research, 2018, 135, 112-121.	7.1	28
166	Polycystin-1 Assembles With Kv Channels to Govern Cardiomyocyte Repolarization and Contractility. Circulation, 2019, 140, 921-936.	1.6	28
167	Sarcoplasmic reticulum and calcium signaling in muscle cells: Homeostasis and disease. International Review of Cell and Molecular Biology, 2020, 350, 197-264.	3.2	28
168	Phospholipase C/Protein Kinase C Pathway Mediates Angiotensin II-Dependent Apoptosis in Neonatal Rat Cardiac Fibroblasts Expressing AT1 Receptor. Journal of Cardiovascular Pharmacology, 2008, 52, 184-190.	1.9	27
169	Parallel activation of Ca2+-induced survival and death pathways in cardiomyocytes by sorbitol-induced hyperosmotic stress. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 887-903.	4.9	27
170	Isoproterenol and Angiotensin I-Converting Enzyme in Lung, Left Ventricle, and Plasma During Myocardial Hypertrophy and Fibrosis. Journal of Cardiovascular Pharmacology, 2002, 40, 246-254.	1.9	26
171	FoxO1â€“Dio2 signaling axis governs cardiomyocyte thyroid hormone metabolism and hypertrophic growth. Nature Communications, 2020, 11, 2551.	12.8	26
172	IGF-1 Modulation of Rat Cardiac Fibroblast Behavior and Gene Expression is Age-Dependent. Cell Communication and Adhesion, 2003, 10, 155-165.	1.0	25
173	Angiotensin I-converting enzyme gene polymorphism influences chronic hypertensive response in the rat Goldblatt model. Journal of Hypertension, 2002, 20, 413-420.	0.5	24
174	Atrial Function Assessed by Speckle Tracking Echocardiography Is a Good Predictor of Postoperative Atrial Fibrillation in Elderly Patients. Echocardiography, 2016, 33, 242-248.	0.9	24
175	Autophagy Activation in Zebrafish Heart Regeneration. Scientific Reports, 2020, 10, 2191.	3.3	24
176	Levels of plasma angiotensin-(1-7) in patients with hypertension who have the angiotensinâ€“I-converting enzyme deletion/deletion genotype. American Journal of Cardiology, 2003, 92, 749-751.	1.6	23
177	The integrated stress response in ischemic diseases. Cell Death and Differentiation, 2022, 29, 750-757.	11.2	23
178	Gln²⁷â†'GluÎ²₂â€Adrenergic Receptor Polymorphism in Heart Failure Patients: Differential Clinical and Oxidative Response to Carvedilol. Basic and Clinical Pharmacology and Toxicology, 2009, 104, 374-378.	2.5	22
179	An Immunogenetically Defined and Immunodominant Trypanosoma Cruzi Antigen. American Journal of Tropical Medicine and Hygiene, 1991, 44, 314-322.	1.4	22
180	Î²-Adrenergic receptors in rat mammary gland. Biochemical Pharmacology, 1985, 34, 2034-2036.	4.4	21

#	Article	IF	Citations
181	Selective Increase in Cardiac IGF-1 in a Rat Model of Ventricular Hypertrophy. Biochemical and Biophysical Research Communications, 1998, 243, 20-24.	2.1	21
182	Simvastatin disrupts cytoskeleton and decreases cardiac fibroblast adhesion, migration and viability. Toxicology, 2012, 294, 42-49.	4.2	21
183	Novel players in cardioprotection: Insulin like growth factor-1, angiotensin-(1â€“7) and angiotensin-(1â€“9). Pharmacological Research, 2015, 101, 41-55.	7.1	21
184	Role of Autophagy in the Microenvironment of Oral Squamous Cell Carcinoma. Frontiers in Oncology, 2020, 10, 602661.	2.8	21
185	PKD2/polycystin-2 induces autophagy by forming a complex with BECN1. Autophagy, 2021, 17, 1714-1728.	9.1	21
186	Effects of Trimetazidine in Nonischemic Heart Failure: A Randomized Study. Journal of Cardiac Failure, 2014, 20, 149-154.	1.7	20
187	Hyperandrogenism Decreases GRP78 Protein Level and Glucose Uptake in Human Endometrial Stromal Cells. Reproductive Sciences, 2016, 23, 761-770.	2.5	20
188	Ca2+/Calmodulin-Dependent Protein Kinase II and Androgen Signaling Pathways Modulate MEF2 Activity in Testosterone-Induced Cardiac Myocyte Hypertrophy. Frontiers in Pharmacology, 2017, 8, 604.	3.5	20
189	Mifepristone enhances insulin-stimulated Akt phosphorylation and glucose uptake in skeletal muscle cells. Molecular and Cellular Endocrinology, 2018, 461, 277-283.	3.2	20
190	GDF-11 prevents cardiomyocyte hypertrophy by maintaining the sarcoplasmic reticulum-mitochondria communication. Pharmacological Research, 2019, 146, 104273.	7.1	20
191	Rapamycin requires AMPK activity and p27 expression for promoting autophagy-dependent Tsc2 -null cell survival. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1200-1207.	4.1	19
192	Cyclic AMP-dependent Protein Kinase and Mechanical Heart Function in Ventricular Hypertrophy Induced by Pressure Overload or Secondary to Myocardial Infarction. Journal of Molecular and Cellular Cardiology, 1996, 28, 1073-1083.	1.9	18
193	Matrix metalloproteinase-9 activity is associated to oxidative stress in patients with acute coronary syndrome. International Journal of Cardiology, 2010, 143, 98-100.	1.7	18
194	Regulation of cardiac autophagy by insulinâ€like growth factor 1. IUBMB Life, 2013, 65, 593-601.	3.4	18
195	4-Phenylbutyric acid prevent cytotoxicity induced by thapsigargin in rat cardiac fibroblast. Toxicology in Vitro, 2014, 28, 1443-1448.	2.4	18
196	Role of Akt and Ca2+ on cell permeabilization via connexin43 hemichannels induced by metabolic inhibition. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1268-1277.	3.8	18
197	Perspectives on Organelle Interaction, Protein Dysregulation, and Cancer Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 613336.	3.7	18
198	Effects of early decrease in oxidative stress after medical therapy in patients with class IV congestive heart failure. American Journal of Cardiology, 2002, 89, 236-239.	1.6	17

#	Article	IF	Citations
199	Endocytic pathway of exogenous iron-loaded ferritin in intestinal epithelial (Caco-2) cells. American Journal of Physiology - Renal Physiology, 2013, 304, G655-G661.	3.4	17
200	FK866 compromises mitochondrial metabolism and adaptive stress responses in cultured cardiomyocytes. Biochemical Pharmacology, 2015, 98, 92-101.	4.4	17
201	Mechanical stretch increases L-type calcium channel stability in cardiomyocytes through a polycystin-1/AKT-dependent mechanism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 289-296.	4.1	17
202	AT2 Receptor Mediated Activation of the Tyrosine Phosphatase PTP1B Blocks Caveolin-1 Enhanced Migration, Invasion and Metastasis of Cancer Cells. Cancers, 2019, 11, 1299.	3.7	17
203	The Association of Ascorbic Acid, Deferoxamine and N-Acetylcysteine Improves Cardiac Fibroblast Viability and Cellular Function Associated with Tissue Repair Damaged by Simulated Ischemia/Reperfusion. Antioxidants, 2019, 8, 614.	5.1	17
204	Testosterone activates glucose metabolism through AMPK and androgen signaling in cardiomyocyte hypertrophy. Biological Research, 2021, 54, 3.	3.4	17
205	Herpud1 negatively regulates pathological cardiac hypertrophy by inducing IP3 receptor degradation. Scientific Reports, 2017, 7, 13402.	3.3	16
206	Endoplasmic reticulumâ^'mitochondria coupling increases during doxycycline-induced mitochondrial stress in HeLa cells. Cell Death and Disease, 2021, 12, 657.	6.3	16
207	Neutral endopeptidase and angiotensin I converting enzyme insertion/deletion gene polymorphism in humans. Journal of Human Hypertension, 2004, 18, 119-125.	2.2	15
208	Hyperosmotic stress activates p65/RelB NFÎºB in cultured cardiomyocytes with dichotomic actions on caspase activation and cell death. FEBS Letters, 2006, 580, 3469-3476.	2.8	15
209	Reactive oxygen species inhibit hyposmotic stress-dependent volume regulation in cultured rat cardiomyocytes. Biochemical and Biophysical Research Communications, 2006, 350, 1076-1081.	2.1	15
210	Differential Participation of Angiotensin II Type 1 and 2 Receptors in the Regulation of Cardiac Cell Death Triggered by Angiotensin II. American Journal of Hypertension, 2009, 22, 569-576.	2.0	15
211	Ex vivo method to visualize and quantify vascular networks in native and tissue engineered skin. Langenbeck's Archives of Surgery, 2009, 394, 349-356.	1.9	15
212	Differential regulation of collagen secretion by kinin receptors in cardiac fibroblast and myofibroblast. Toxicology and Applied Pharmacology, 2012, 261, 300-308.	2.8	15
213	An integrated mechanism of cardiomyocyte nuclear Ca2+ signaling. Journal of Molecular and Cellular Cardiology, 2014, 75, 40-48.	1.9	15
214	Autophagy mediates calcium-sensing receptor-induced TNFÎ± production in human preadipocytes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3585-3594.	3.8	15
215	Inhibition of the proteasome preserves Mitofusin-2 and mitochondrial integrity, protecting cardiomyocytes during ischemia-reperfusion injury. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165659.	3.8	15
216	Resolvin-D1 attenuation of angiotensin II-induced cardiac inflammation in mice is associated with prevention of cardiac remodeling and hypertension. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166241.	3.8	15

#	Article	IF	Citations
217	Alteration in mitochondrial Ca 2+ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. Cell Communication and Signaling, 2014, 12, 68.	6.5	15
218	Bafilomycin-A1 and ML9 Exert Different Lysosomal Actions to Induce Cell Death. Current Molecular Pharmacology, 2019, 12, 261-271.	1.5	15
219	Effect of hypertension on angiotensin-(1â€“7) levels in rats with different angiotensin-I converting enzyme polymorphism. Life Sciences, 2006, 78, 1535-1542.	4.3	14
220	Î²-Hydroxybutyrate Increases Exercise Capacity Associated with Changes in Mitochondrial Function in Skeletal Muscle. Nutrients, 2020, 12, 1930.	4.1	14
221	Ethanol increases tumor necrosis factor-alpha receptor-1 (TNF-R1) levels in hepatic, intestinal, and cardiac cells. Alcohol, 2004, 33, 9-15.	1.7	14
222	In vivo and in vitro evidence of basic fibroblast growth factor action in mouse mammary gland development. FEBS Letters, 1998, 439, 351-356.	2.8	13
223	Tumor necrosis factor-alphaactivates nuclear factor-kappaB but does not regulate progesterone production in cultured human granulosa luteal cells. Gynecological Endocrinology, 2007, 23, 377-384.	1.7	13
224	Role of Heterotrimeric G Protein and Calcium in Cardiomyocyte Hypertrophy Induced by IGF-1. Journal of Cellular Biochemistry, 2014, 115, 712-720.	2.6	13
225	Acute effect of iloprost inhalation on right atrial function and ventricular dyssynchrony in patients with pulmonary artery hypertension. Echocardiography, 2017, 34, 53-60.	0.9	13
226	Herpud1 impacts insulin-dependent glucose uptake in skeletal muscle cells by controlling the Ca2+-calcineurin-Akt axis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 1653-1662.	3.8	13
227	Cohort Profile: The Maule Cohort (MAUCO). International Journal of Epidemiology, 2020, 49, 760-761i.	1.9	13
228	Targeting the Endothelium to Achieve Cardioprotection. Frontiers in Pharmacology, 2021, 12, 636134.	3.5	13
229	Perindopril Regulates Î²-Agonist-Induced Cardiac Apoptosis. Journal of Cardiovascular Pharmacology, 2005, 46, 255-261.	1.9	12
230	Role of FoxO3a as a negative regulator of the cardiac myofibroblast conversion induced by TGF-Î²1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118695.	4.1	12
231	Novel Therapies Targeting Cardioprotection and Regeneration. Current Pharmaceutical Design, 2017, 23, 2592-2615.	1.9	12
232	IGF-1 modulation of rat cardiac fibroblast behavior and gene expression is age-dependent. Cell Communication and Adhesion, 2003, 10, 155-65.	1.0	12
233	Binding and production of insulin-like growth factor-I in rat mammary gland. Comparative Biochemistry and Physiology A, Comparative Physiology, 1991, 99, 507-511.	0.6	11
234	Effects of Carvedilol Upon Intra- and Interventricular Synchrony in Patients With Chronic Heart Failure. American Journal of Cardiology, 2005, 96, 267-269.	1.6	11

#	Article	IF	Citations
235	Osmotically-induced genes are controlled by the transcription factor TonEBP in cultured cardiomyocytes. Biochemical and Biophysical Research Communications, 2008, 372, 326-330.	2.1	11
236	Ã¢cido Ãºrico: una molÃ©cula con acciones paradÃ³jicas en la insuficiencia cardiaca. Revista Medica De Chile, 2011, 139, 505-515.	0.2	11
237	TLR4, but Neither Dectin-1 nor Dectin-2, Participates in the Mollusk Hemocyanin-Induced Proinflammatory Effects in Antigen-Presenting Cells From Mammals. Frontiers in Immunology, 2019, 10, 1136.	4.8	11
238	Science and Health Policies to Tackle Chronic Diseases in Chile. Trends in Endocrinology and Metabolism, 2020, 31, 67-70.	7.1	11
239	Rhoâ€kinase pathway activation and apoptosis in circulating leucocytes in patients with heart failure with reduced ejection fraction. Journal of Cellular and Molecular Medicine, 2020, 24, 1413-1427.	3.6	11
240	Octadecyl silica: A solid phase for protein purification by immunoadsorption. Analytical Biochemistry, 1991, 197, 47-51.	2.4	10
241	Early expression of monocyte chemoattractant protein-1 correlates with the onset of isoproterenol-induced cardiac fibrosis in rats with distinct angiotensin-converting enzyme polymorphism. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2008, 9, 154-162.	1.7	10
242	Looking back and thinking forwards â€" 15 years of cardiology and cardiovascular research. Nature Reviews Cardiology, 2019, 16, 651-660.	13.7	10
243	Calcium-Sensing Receptor in Adipose Tissue: Possible Association with Obesity-Related Elevated Autophagy. International Journal of Molecular Sciences, 2020, 21, 7617.	4.1	10
244	Effects of antihypertensive treatment on cardiac IGF-1 during prevention of ventricular hypertrophy in the rat. Life Sciences, 1999, 64, 1603-1612.	4.3	9
245	Regulatory volume decrease in cardiomyocytes is modulated by calcium influx and reactive oxygen species. FEBS Letters, 2009, 583, 3485-3492.	2.8	9
246	Regulation of cardiomyocyte autophagy by calcium. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E587-E596.	3.5	9
247	Increased active phase atrial contraction is related to marathon runner performance. European Journal of Applied Physiology, 2018, 118, 1931-1939.	2.5	9
248	Angiotensin-(1â€"9) prevents vascular remodeling by decreasing vascular smooth muscle cell dedifferentiation through a FoxO1-dependent mechanism. Biochemical Pharmacology, 2020, 180, 114190.	4.4	9
249	Vaccines against components of the reninâ€"angiotensin system. Heart Failure Reviews, 2021, 26, 711-726.	3.9	9
250	Mitochondrial <scp>E3</scp> ubiquitin ligase 1 (<scp>MUL1</scp>) as a novel therapeutic target for diseases associated with mitochondrial dysfunction. IUBMB Life, 2022, 74, 850-865.	3.4	9
251	Light-induced release of the cardioprotective peptide angiotensin-(1â€"9) from thermosensitive liposomes with gold nanoclusters. Journal of Controlled Release, 2020, 328, 859-872.	9.9	8
252	A role for adrenaline and calmodulin in modulating cyclic AMP levels during the lactogenic cycle. FEBS Letters, 1985, 187, 173-176.	2.8	7

#	Article	IF	Citations
253	Oxidative stress in pericardial fluid and plasma and its association with ventricular function. International Journal of Cardiology, 2005, 101, 197-201.	1.7	7
254	(TTA)n Polymorphism in 3â€Hydroxyâ€3â€Methylglutarylâ€Coenzyme A and Response to Atorvastatin in Coronary Artery Disease Patients. Basic and Clinical Pharmacology and Toxicology, 2009, 104, 211-215.	2.5	7
255	A novel dihydropyridine with 3-aryl meta-hydroxyl substitution blocks L-type calcium channels in rat cardiomyocytes. Toxicology and Applied Pharmacology, 2014, 279, 53-62.	2.8	7
256	Increased C-reactive protein plasma levels are not involved in the onset of post-operative atrial fibrillation. Journal of Cardiology, 2017, 70, 578-583.	1.9	7
257	The STIM1 inhibitor ML9 disrupts basal autophagy in cardiomyocytes by decreasing lysosome content. Toxicology in Vitro, 2018, 48, 121-127.	2.4	7
258	Potential adverse cardiac remodelling in highly trained athletes: still unknown clinical significance. European Journal of Sport Science, 2018, 18, 1288-1297.	2.7	7
259	Novel Nanostructured Polymeric Carriers to Enable Drug Delivery for Cardiovascular Diseases. Current Pharmaceutical Design, 2015, 21, 4276-4284.	1.9	7
260	TGF-Î²1 induced up-regulation of B1 kinin receptor promotes antifibrotic activity in rat cardiac myofibroblasts. Molecular Biology Reports, 2019, 46, 5197-5207.	2.3	6
261	Inhibition of chymotrypsin-like activity of the proteasome by ixazomib prevents mitochondrial dysfunction during myocardial ischemia. PLoS ONE, 2020, 15, e0233591.	2.5	6
262	Polycystinâ€1 regulates cardiomyocyte mitophagy. FASEB Journal, 2021, 35, e21796.	0.5	6
263	Novel molecular insights and public omics data in pulmonary hypertension. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166200.	3.8	6
264	Novel Insights Into the Pathogenesis of Diabetic Cardiomyopathy and Pharmacological Strategies. Frontiers in Cardiovascular Medicine, 2021, 8, 707336.	2.4	6
265	New emerging roles of Polycystin-2 in the regulation of autophagy. International Review of Cell and Molecular Biology, 2020, 354, 165-186.	3.2	5
266	Angiotensin I-converting enzyme insertion/deletion polymorphism and adrenergic response to exercise in hypertensive patients. Medical Science Monitor, 2002, 8, CR566-71.	1.1	5
267	Insulin-like growth factor I receptor levels during the lactogenic cycle in rat mammary gland. Biochemical Society Transactions, 1990, 18, 576-577.	3.4	4
268	Omeprazole, a Specific Gastric Secretion Inhibitor on Oxynticopeptic Cells, Reduces Gizzard Erosion in Broiler Chicks Fed with Toxic Fish Meals. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1997, 117, 267-273.	0.5	4
269	Relationship between mechanical and metabolic dyssynchrony with left bundle branch block: Evaluation by 18-fluorodeoxyglucose positron emission tomography in patients with non-ischemic heart failure. Journal of Heart and Lung Transplantation, 2012, 31, 1096-1101.	0.6	4
270	Polycystin-2 Is Required for Starvation- and Rapamycin-Induced Atrophy in Myotubes. Frontiers in Endocrinology, 2019, 10, 280.	3.5	4

#	Article	IF	Citations
271	Regulation of total LC3 levels by angiotensin II in vascular smooth muscle cells. Journal of Cellular and Molecular Medicine, 2022, , .	3.6	4
272	Impaired AMP-Activated Protein Kinase Signaling in Heart Failure With Preserved Ejection Fractionâ€“Associated Atrial Fibrillation. Circulation, 2022, 146, 73-76.	1.6	4
273	Research Note: Ability of Fenthion to Increase Gizzard Erosion in Broiler Chicks. Poultry Science, 1991, 70, 1633-1636.	3.4	3
274	Uric acid, xanthine oxidase and heart failure: Unresolved issues. European Journal of Heart Failure, 2008, 10, 1271-1272.	7.1	3
275	Menores niveles tisulares de la enzima convertidora de angiotensina I homologa (ECA-2) y angiotensina-(1-9) estÃ¡n asociados a mayor remodelamiento de la pared aÃ³rtica de ratas hipertensas. Revista Chilena De CardiologÃa, 2010, 29, .	0.0	3
276	Parkin Gone Wild. Circulation Research, 2015, 117, 311-313.	4.5	3
277	Preoperative soluble <scp>VCAM</scp>â€1 contributes to predict late mortality after coronary artery surgery. Clinical Cardiology, 2020, 43, 1301-1307.	1.8	3
278	Skeletal muscle typeâ€specific mitochondrial adaptation to highâ€fat diet relies on differential autophagy modulation. FASEB Journal, 2021, 35, e21933.	0.5	3
279	Enfermedades cardiovasculares y cÃ¡ncer: Â¿dos entidades mutuamente relacionadas?. Revista Chilena De CardiologÃa, 2019, 38, 54-63.	0.0	3
280	Changes in protein kinase C activity, subcellular distribution and protein phosphorylation during the lactogenic cycle in the rat mammary tissue. Research Communications in Molecular Pathology and Pharmacology, 1995, 87, 253-68.	0.2	3
281	Use of octadecyl silica as an alternative non-conventional solid phase in immunoradiometric assays. Journal of Immunological Methods, 1988, 114, 261-265.	1.4	2
282	Isolation and biochemical characterization of protein kinase C from rat mammary gland. Biochemical Society Transactions, 1992, 20, 190S-190S.	3.4	2
283	Dissociating angiotensin 1-9 anticardiovascular remodeling effects from those on blood pressure. Journal of Hypertension, 2014, 32, 1719-1721.	0.5	2
284	Subcellular Remodeling of the T-Tubule Membrane System. Circulation, 2017, 135, 1646-1650.	1.6	2
285	Early left atrial dysfunction is associated with suboptimal cardiovascular health. Echocardiography, 2020, 37, 47-54.	0.9	2
286	Polycystin-1 is required for insulin-like growth factor 1-induced cardiomyocyte hypertrophy. PLoS ONE, 2021, 16, e0255452.	2.5	2
287	IGF-1 Modulation of Rat Cardiac Fibroblast Behavior and Gene Expression is Age-Dependent. Cell Communication and Adhesion, 2003, 10, 155-165.	1.0	2
288	Mecanismo sensor y de adaptaciÃ³n a los niveles de oxÃgeno y su implicancia en las enfermedades cardiovasculares: a propÃ³sito del Premio Nobel de FisiologÃa-Medicina 2019. Revista Chilena De CardiologÃa, 2019, 38, 225-235.	0.0	2

#	Article	IF	Citations
289	Î²-Adrenergic receptors during the lactogenic cycle in rat mammary gland. Biochemical Society Transactions, 1986, 14, 658-659.	3.4	1
290	Use of Pancreas-derived Stem Cells to improve vascularization in skin tissue engineering. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2009, 62, 837S.	1.0	1
291	Cardiac Plasticity in Health and Disease. , 2012, , 185-250.		1
292	Mayores niveles de ECA y Angiotensina II determinados genÃ©ticamente, se asocian a menor actividad del eje ECA2/angiotensina-(1-9) y mayor remodelamiento de la pared aÃ³rtica de ratas hipertensas. Revista Chilena De CardiologÃa, 2012, 31, 118-128.	0.0	1
293	Autofagia en el sistema cardiovascular: pasado, presente y futuro. Revista Chilena De CardiologÃa, 2016, 35, 228-241.	0.0	1
294	Rhoâ€kinase pathway activation and apoptosis in circulating leucocytes in patients with heart failure with reduced ejection fraction. Journal of Cellular and Molecular Medicine, 2020, 24, 1413-1427.	3.6	1
295	Efectos del carvedilol en la capacidad funcional, funciÃ³n ventricular izquierda, catecolaminas y estrÃ©s oxidativo en pacientes con insuficiencia cardÃaca crÃ³nica. Revista Espanola De Cardiologia, 2004, 57, 1053-1058.	1.2	1
296	Antihipertensivos en pacientes con COVID-19. Revista Chilena De CardiologÃa, 2020, 39, 66-74.	0.0	1
297	Circulating Vascular Cell Adhesion Molecule-1 (sVCAM-1) Is Associated With Left Atrial Remodeling in Long-Distance Runners. Frontiers in Cardiovascular Medicine, 2021, 8, 737285.	2.4	1
298	Epidermal growth factor increases cyclic AMP levels in pregnant rat mammary gland explants. Research Communications in Chemical Pathology and Pharmacology, 1990, 69, 317-23.	0.2	1
299	Enzymic activities in rat lactating mammary gland after pre-gestational sialoadenectomy. Biochemical Society Transactions, 1988, 16, 778-778.	3.4	0
300	SYNTHESIS AND PHARMACOLOGICAL EFFECTS OF 3-METHYL TYRPHOSTIN (2-CYANO-3-[4-HYDROXYPHENYL]-2-BUTENETHIOAMIDE). American Journal of Therapeutics, 1996, 3, 423-426.	0.9	0
301	A new nonâ€invasive technique for the assessment of skeletal muscle metabolism. Acta Physiologica, 2008, 193, 99-99.	3.8	0
302	Erratum 2: Testosterone induces cardiomyocyte hypertrophy through mammalian target of rapamycin complex 1 pathway. Journal of Endocrinology, 2009, 202, 485.	2.6	0
303	Insulin Resistant Skeletal Muscle: Mitochondria Structure, Dynamics And Calcium Homeostasis. Biophysical Journal, 2009, 96, 235a.	0.5	0
304	La sobreexpresiÃ³n del gen de enzima convertidora de angiotensina homÃ³loga (ECA2) revierte la hipertensiÃ³n arterial y el remodelado cardÃaco experimental. Revista Chilena De CardiologÃa, 2010, 29, 334-341.	0.0	0
305	Mayor actividad de rho kinasa en leucocitos circulantes se asocia a estrÃ©s oxidativo y rigidez arterial en hipertensos diabÃ©ticos. Revista Chilena De CardiologÃa, 2011, 30, 34-41.	0.0	0
306	Autophagy in Cardiac Physiology and Disease. , 2012, , 405-422.		0

#	Article	IF	Citations
307	Angiotensina-(1-9) disminuye el remodelamiento cardiovascular hipertensivo independiente de los niveles de ECA y de angiotensina II. Revista Chilena De CardiologÃ¤, 2012, 31, 202-214.	0.0	0
308	Insulin Induces both H2O2 Production and IP3-Dependent Mitochondria Ca2+ Uptake. H2O2 Oxidizes RyR to Elicit Ca2+ Release and GLUT4 Translocation in Skeletal Muscle Cells. Biophysical Journal, 2013, 104, 617a.	0.5	0
309	El efecto anti-hipertensivo de Angiotensina-(1-9) es mediado por aumento temprano de la diuresis y natriuresis. Revista Chilena De CardiologÃ¤, 2015, 34, 120-129.	0.0	0
310	Regulation of Cardiovascular Metabolism by Hormones and Growth Factors. International Journal of Endocrinology, 2015, 2015, 1-2.	1.5	0
311	Remodelado auricular derecho y niveles plasmÃ¡ticos de Galectina-3 se relacionan con la capacidad funcional de pacientes con hipertensiÃ³n arterial pulmonar. Revista Chilena De CardiologÃ¤, 2016, 35, 19-24.	0.0	0
312	Autophagy Networks in Cardiovascular Diseases. , 2016, , 297-322.		0
313	Strain auricular izquierdo y biomarcadores cardÃ¤cos como predictores de accidente cerebrovascular en pacientes con fibrilaciÃ³n auricular de reciente comienzo. Revista Chilena De CardiologÃ¤, 2017, 36, 89-96.	0.0	0
314	Calcium in Obesity and Related Diseases. , 2017, , 35-44.		0
315	Entrenamiento fÃ¡sico de alta intensidad en maratonistas produce mayor remodelado cardÃ¤co y reduce respuesta de estrÃ©s oxidativo. Revista Chilena De CardiologÃ¤, 2018, 37, 93-103.	0.0	0
316	Diabetes mellitus tipo 2 y cardiopatÃ¤ isquÃ©mica: fisiopatologÃ¤, regulaciÃ³n gÃ©nica y futuras opciones terapÃ©uticas. Revista Chilena De CardiologÃ¤, 2018, 37, 42-54.	0.0	0
317	Biomarcadores de fibrosis y funciÃ³n ventricular derecha en maratonistas con distinto grado de entrenamiento: estudio en la MaratÃ³n de Santiago. Revista Chilena De CardiologÃ¤, 2019, 38, 37-45.	0.0	0
318	Editorial commentary: Cardiometabolic diseases and gut microbiotaâ€“removing the veil. Trends in Cardiovascular Medicine, 2019, 29, 148-149.	4.9	0
319	Left Cardiac Remodelling Assessed by Echocardiography Is Associated with Rho-Kinase Activation in Long-Distance Runners. Journal of Cardiovascular Development and Disease, 2021, 8, 118.	1.6	0
320	Autophagy in the cardiovascular system. , 2022, , 229-241.		0
321	EARLY EXPRESSION OF VASCULAR TRANSFORMING GROWTH FACTOR fj 1 (TGFÎ²T1)INDOCA-SALTRATS. Journal of Hypertension, 2004, 22, S73.	0.5	0
322	Vascular Cell Adhesion Molecule (VCAMâ€1) predicts Atrial Fibrillation after Onâ€Pump Heart Surgery. FASEB Journal, 2009, 23, LB348.	0.5	0
323	G219A polymorphism in CRP gene and occurrence of atrial fibrilation after cardiac surgery. FASEB Journal, 2009, 23, LB395.	0.5	0
324	Niveles aumentados de estrÃ©s oxidativo se asocian a disfunciÃ³n endotelial perifÃ©rica y respuesta vascular pulmonar disminuida frente a vasodilatadores en pacientes con hipertensiÃ³n pulmonar. Revista Chilena De CardiologÃ¤, 2010, 29, 291-298.	0.0	0

#	Article	IF	Citations
325	Dexmedetomidina genera Ã³xido nÃtrico mediante un mecanismo independiente de la Ã³xido nÃtrico sintasa inducible. Revista Chilena De CardiologÃa, 2016, 35, 41-48.	0.0	0
326	The role of thyroid hormones in the control of beta-adrenergic receptors in rat mammary gland. Research Communications in Chemical Pathology and Pharmacology, 1989, 64, 79-86.	0.2	0
327	Effects of enkephalin on lactating rat mammary gland: in vitro studies. Research Communications in Chemical Pathology and Pharmacology, 1988, 61, 353-63.	0.2	0