Mario Chiong

List of Publications by Year in Descending Order

148 papers	9,425 citations	38 h-index	95 g-index
169 ext. papers	11,322 ext. citations	4.6 avg, IF	5.35 L-index

#	Paper	IF	Citations
148	Regulation of total LC3 levels by angiotensin II in vascular smooth muscle cells.. *Journal of Cellular and Molecular Medicine*, **2022**,	5.6	1
147	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	5.4	0
146	Soluble Interleukin-6 Receptor Regulates Interleukin-6-Dependent Vascular Remodeling in Long-Distance Runners. *Frontiers in Physiology*, **2021**, 12, 722528	4.6	1
145	Role of Interleukin-6 in Vascular Health and Disease. *Frontiers in Molecular Biosciences*, **2021**, 8, 641734	5.6	18
144	The role of autophagy in cardiovascular pathology. *Cardiovascular Research*, **2021**,	9.9	5
143	Polycystin-1 regulates cardiomyocyte mitophagy. *FASEB Journal*, **2021**, 35, e21796	0.9	1
142	Impact of the Potential Antitumor Agent 2-(4-Hydroxyphenyl) Amino-1,4-Naphthoquinone (Q7) on Vasomotion Is Mediated by the Vascular Endothelium, But Not Vascular Smooth Muscle Cell Metabolism. *Journal of Cardiovascular Pharmacology*, **2021**, 77, 245-252	3.1	0
141	Polycystin-1 is required for insulin-like growth factor 1-induced cardiomyocyte hypertrophy. *PLoS ONE*, **2021**, 16, e0255452	3.7	1
140	VCAM-1 as a predictor biomarker in cardiovascular disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2021**, 1867, 166170	6.9	8
139	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
138	Novel Insights Into the Pathogenesis of Diabetic Cardiomyopathy and Pharmacological Strategies.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 707336	5.4	0
137	Angiotensin-(1-7) Prevents Lipopolysaccharide-Induced Autophagy via the Mas Receptor in Skeletal Muscle. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
136	Light-induced release of the cardioprotective peptide angiotensin-(1-9) from thermosensitive liposomes with gold nanoclusters. *Journal of Controlled Release*, **2020**, 328, 859-872	11.7	2
135	Angiotensin-(1-9) prevents cardiomyocyte hypertrophy by controlling mitochondrial dynamics via miR-129-3p/PKIA pathway. *Cell Death and Differentiation*, **2020**, 27, 2586-2604	12.7	15
134	Sarcoplasmic reticulum and calcium signaling in muscle cells: Homeostasis and disease. *International Review of Cell and Molecular Biology*, **2020**, 350, 197-264	6	12
133	Hydroxybutyrate Increases Exercise Capacity Associated with Changes in Mitochondrial Function in Skeletal Muscle. *Nutrients*, **2020**, 12,	6.7	3
132	Pro-fibrotic effect of oxidized LDL in cardiac myofibroblasts. *Biochemical and Biophysical Research Communications*, **2020**, 524, 696-701	3.4	5

131	Early left atrial dysfunction is associated with suboptimal cardiovascular health. *Echocardiography*, **2020**, 37, 47-54	1.5	
130	Angiotensin-(1-9) prevents vascular remodeling by decreasing vascular smooth muscle cell dedifferentiation through a FoxO1-dependent mechanism. *Biochemical Pharmacology*, **2020**, 180, 114190	6	2
129	Preoperative soluble VCAM-1 contributes to predict late mortality after coronary artery surgery. *Clinical Cardiology*, **2020**, 43, 1301-1307	3.3	2
128	Counter-regulatory renin-angiotensin system in cardiovascular disease. *Nature Reviews Cardiology*, **2020**, 17, 116-129	14.8	198
127	Biomarcadores de fibrosis y funci□ ventricular derecha en maratonistas con distinto grado de entrenamiento: estudio en la Marat□ de Santiago. *Revista Chilena De Cardiolog□*, **2019**, 38, 37-45	0.3	
126	AT2 Receptor Mediated Activation of the Tyrosine Phosphatase PTP1B Blocks Caveolin-1 Enhanced Migration, Invasion and Metastasis of Cancer Cells. *Cancers*, **2019**, 11,	6.6	11
125	Exercise regulates lipid droplet dynamics in normal and fatty liver. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2019**, 1864, 158519	5	18
124	Polyphenolic Composition and Hypotensive Effects of (Meyen) Cabrera in Rat. *Antioxidants*, **2019**, 8,	7.1	4
123	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. *Frontiers in Pharmacology*, **2018**, 9, 1553	5.6	24
122	Herpud1 impacts insulin-dependent glucose uptake in skeletal muscle cells by controlling the Ca-calcineurin-Akt axis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 1653-1662	6.9	8
121	The STIM1 inhibitor ML9 disrupts basal autophagy in cardiomyocytes by decreasing lysosome content. *Toxicology in Vitro*, **2018**, 48, 121-127	3.6	5
120	Autophagy mediates tumor necrosis factor-□nduced phenotype switching in vascular smooth muscle A7r5 cell line. *PLoS ONE*, **2018**, 13, e0197210	3.7	24
119	Increased active phase atrial contraction is related to marathon runner performance. *European Journal of Applied Physiology*, **2018**, 118, 1931-1939	3.4	8
118	Potential adverse cardiac remodelling in highly trained athletes: still unknown clinical significance. *European Journal of Sport Science*, **2018**, 18, 1288-1297	3.9	4
117	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	4.9	11
116	Vasodilator and hypotensive effects of pure compounds and hydroalcoholic extract of Xenophyllum poposum (Phil) V.A Funk (Compositae) on rats. *Phytomedicine*, **2018**, 50, 99-108	6.5	6
115	Entrenamiento f□ico de alta intensidad en maratonistas produce mayor remodelado card□co y reduce respuesta de estr□ oxidativo. *Revista Chilena De Cardiolog□*, **2018**, 37, 93-103	0.3	
114	Angiotensin-(1-9) reduces cardiovascular and renal inflammation in experimental renin-independent hypertension. *Biochemical Pharmacology*, **2018**, 156, 357-370	6	19

113	Autophagy and oxidative stress in non-communicable diseases: A matter of the inflammatory state?. *Free Radical Biology and Medicine*, **2018**, 124, 61-78	7.8	47
112	Sarcoplasmic reticulum-mitochondria communication in cardiovascular pathophysiology. *Nature Reviews Cardiology*, **2017**, 14, 342-360	14.8	80
111	Increased C-reactive protein plasma levels are not involved in the onset of post-operative atrial fibrillation. *Journal of Cardiology*, **2017**, 70, 578-583	3	4
110	Herpud1 negatively regulates pathological cardiac hypertrophy by inducing IP3 receptor degradation. *Scientific Reports*, **2017**, 7, 13402	4.9	9
109	Transforming growth factor-beta and Forkhead box O transcription factors as cardiac fibroblast regulators. *BioScience Trends*, **2017**, 11, 154-162	9.9	18
108	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	6.9	25
107	Acute effect of iloprost inhalation on right atrial function and ventricular dyssynchrony in patients with pulmonary artery hypertension. *Echocardiography*, **2017**, 34, 53-60	1.5	11
106	Glucagon-like peptide-1 inhibits vascular smooth muscle cell dedifferentiation through mitochondrial dynamics regulation. *Biochemical Pharmacology*, **2016**, 104, 52-61	6	31
105	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
104	FoxO1 mediates TGF-beta1-dependent cardiac myofibroblast differentiation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2016**, 1863, 128-38	4.9	47
103	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. *Autophagy*, **2016**, 12, 287-96	10.2	26
102	HERPUD1 protects against oxidative stress-induced apoptosis through downregulation of the inositol 1,4,5-trisphosphate receptor. *Free Radical Biology and Medicine*, **2016**, 90, 206-18	7.8	21
101	Modulatory Effect of 2-(4-Hydroxyphenyl)amino-1,4-naphthoquinone on Endothelial Vasodilation in Rat Aorta. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 3939540	6.7	5
100	Atrial Function Assessed by Speckle Tracking Echocardiography Is a Good Predictor of Postoperative Atrial Fibrillation in Elderly Patients. *Echocardiography*, **2016**, 33, 242-8	1.5	19
99	TonEBP suppresses IL-10-mediated immunomodulation. *Scientific Reports*, **2016**, 6, 25726	4.9	17
98	Basal autophagy protects cardiomyocytes from doxorubicin-induced toxicity. *Toxicology*, **2016**, 370, 41-48	4.4	26
97	Novel players in cardioprotection: Insulin like growth factor-1, angiotensin-(1-7) and angiotensin-(1-9). *Pharmacological Research*, **2015**, 101, 41-55	10.2	16
96	ACE2 and vasoactive peptides: novel players in cardiovascular/renal remodeling and hypertension. *Therapeutic Advances in Cardiovascular Disease*, **2015**, 9, 217-37	3.4	97

95	Autophagy in cardiovascular biology. *Journal of Clinical Investigation*, **2015**, 125, 55-64	15.9	209
94	El efecto anti-hipertensivo de Angiotensina-(1-9) es mediado por aumento temprano de la diuresis y natriuresis. *Revista Chilena De Cardiología*, **2015**, 34, 120-129	0.3	
93	Insulin/NFB protects against ischemia-induced necrotic cardiomyocyte death. *Biochemical and Biophysical Research Communications*, **2015**, 467, 451-7	3.4	6
92	Molecular mechanisms of autophagy in the cardiovascular system. *Circulation Research*, **2015**, 116, 456-67	15.7	176
91	Effects of trimetazidine in nonischemic heart failure: a randomized study. *Journal of Cardiac Failure*, **2014**, 20, 149-54	3.3	13
90	Organelle communication: signaling crossroads between homeostasis and disease. *International Journal of Biochemistry and Cell Biology*, **2014**, 50, 55-9	5.6	35
89	GLP-1 promotes mitochondrial metabolism in vascular smooth muscle cells by enhancing endoplasmic reticulum-mitochondria coupling. *Biochemical and Biophysical Research Communications*, **2014**, 446, 410-6	3.4	28
88	Mitochondrial fission is required for cardiomyocyte hypertrophy mediated by a Ca2+-calcineurin signaling pathway. *Journal of Cell Science*, **2014**, 127, 2659-71	5.3	113
87	Role of heterotrimeric G protein and calcium in cardiomyocyte hypertrophy induced by IGF-1. *Journal of Cellular Biochemistry*, **2014**, 115, 712-20	4.7	12
86	Trimetazidine prevents palmitate-induced mitochondrial fission and dysfunction in cultured cardiomyocytes. *Biochemical Pharmacology*, **2014**, 91, 323-36	6	38
85	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	6	40
84	Reply: dissociating angiotensin 1-9 anticardiovascular remodeling effects from those on blood pressure. *Journal of Hypertension*, **2014**, 32, 1719-21	1.9	2
83	Mitochondrial metabolism and the control of vascular smooth muscle cell proliferation. *Frontiers in Cell and Developmental Biology*, **2014**, 2, 72	5.7	73
82	Alteration in mitochondrial Ca(2+) uptake disrupts insulin signaling in hypertrophic cardiomyocytes. *Cell Communication and Signaling*, **2014**, 12, 68	7.5	27
81	Drp1 loss-of-function reduces cardiomyocyte oxygen dependence protecting the heart from ischemia-reperfusion injury. *Journal of Cardiovascular Pharmacology*, **2014**, 63, 477-87	3.1	82
80	Recent insights and therapeutic perspectives of angiotensin-(1-9) in the cardiovascular system. *Clinical Science*, **2014**, 127, 549-57	6.5	54
79	Angiotensin-(1-9) reverses experimental hypertension and cardiovascular damage by inhibition of the angiotensin converting enzyme/Ang II axis. *Journal of Hypertension*, **2014**, 32, 771-83	1.9	63
78	Insulin stimulates mitochondrial fusion and function in cardiomyocytes via the Akt-mTOR-NFB-Opa-1 signaling pathway. *Diabetes*, **2014**, 63, 75-88	0.9	146

77	Herp depletion protects from protein aggregation by up-regulating autophagy. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 3295-3305	4.9	23
76	Local control of nuclear calcium signaling in cardiac myocytes by perinuclear microdomains of sarcolemmal insulin-like growth factor 1 receptors. *Circulation Research*, **2013**, 112, 236-45	15.7	67
75	Endocytic pathway of exogenous iron-loaded ferritin in intestinal epithelial (Caco-2) cells. *American Journal of Physiology - Renal Physiology*, **2013**, 304, G655-61	5.1	13
74	Cell death and survival through the endoplasmic reticulum-mitochondrial axis. *Current Molecular Medicine*, **2013**, 13, 317-29	2.5	79
73	Influence of glucose metabolism on vascular smooth muscle cell proliferation. *Vasa - European Journal of Vascular Medicine*, **2013**, 42, 8-16	1.9	40
72	Simvastatin disrupts cytoskeleton and decreases cardiac fibroblast adhesion, migration and viability. *Toxicology*, **2012**, 294, 42-9	4.4	16
71	Energy-preserving effects of IGF-1 antagonize starvation-induced cardiac autophagy. *Cardiovascular Research*, **2012**, 93, 320-9	9.9	102
70	Endoplasmic reticulum: ER stress regulates mitochondrial bioenergetics. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 16-20	5.6	129
69	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, 1096-101	5.8	4
68	Angiotensina-(1-9) disminuye el remodelamiento cardiovascular hipertensivo independiente de los niveles de ECA y de angiotensina II. *Revista Chilena De Cardiología*, **2012**, 31, 202-214	0.3	
67	Mayores niveles de ECA y Angiotensina II determinados genéticamente, se asocian a menor actividad del eje ECA2/angiotensina-(1-9) y mayor remodelamiento de la pared aórtica de ratas hipertensas. *Revista Chilena De Cardiología*, **2012**, 31, 118-128	0.3	
66	1028 ANGIOTENSIN-(1-9) REDUCES HYPERTENSION AND VASCULAR DAMAGE THROUGH THE AT2 RECEPTOR AND BY INCREASING NITRIC OXIDE. *Journal of Hypertension*, **2012**, 30, e299-e300	1.9	
65	Markedly increased Rho-kinase activity in circulating leukocytes in patients with chronic heart failure. *American Heart Journal*, **2011**, 161, 931-7	4.9	30
64	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, 1012-7	3.3	32
63	Xanthine-oxidase inhibitors and statins in chronic heart failure: effects on vascular and functional parameters. *Journal of Heart and Lung Transplantation*, **2011**, 30, 408-13	5.8	28
62	Systemic vascular cell adhesion molecule-1 predicts the occurrence of post-operative atrial fibrillation. *International Journal of Cardiology*, **2011**, 150, 270-6	3.2	26
61	Increased ER-mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. *Journal of Cell Science*, **2011**, 124, 2143-52	5.3	367
60	Autophagy as a therapeutic target in cardiovascular disease. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 584-93	5.8	144

59	Mitochondrial Dynamics: a Potential New Therapeutic Target for Heart Failure. *Revista Espanola De Cardiologia (English Ed)*, **2011**, 64, 916-923	0.7	8
58	ido ico: una mol ula con acciones parad jicas en la insuficiencia cardiaca. *Revista Medica De Chile*, **2011**, 139, 505-515	0.5	5
57	Rho kinase inhibition activates the homologous angiotensin-converting enzyme-angiotensin-(1-9) axis in experimental hypertension. *Journal of Hypertension*, **2011**, 29, 706-15	1.9	47
56	Simvastatin induces apoptosis by a Rho-dependent mechanism in cultured cardiac fibroblasts and myofibroblasts. *Toxicology and Applied Pharmacology*, **2011**, 255, 57-64	4.6	31
55	Inhibition of cyclin-dependent kinase 5 but not of glycogen synthase kinase 3- prevents neurite retraction and tau hyperphosphorylation caused by secretable products of human T-cell leukemia virus type I-infected lymphocytes. *Journal of Neuroscience Research*, **2011**, 89, 1489-98	4.4	20
54	Cardiomyocyte death: mechanisms and translational implications. *Cell Death and Disease*, **2011**, 2, e244	9.8	293
53	Increased ER itochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. *Journal of Cell Science*, **2011**, 124, 2511-2511	5.3	22
52	La sobreexpresi del gen de enzima convertidora de angiotensina hom loga (ECA2) revierte la hipertensi arterial y el remodelado card co experimental. *Revista Chilena De Cardiolog* , **2010**, 29, 334-341	0.3	
51	Determinaciones de niveles de creatina y l pidos mediante espectroscopia por resonancia magn ica en miocardio de pacientes con insuficiencia cardiaca no isqu mica. *Revista Medica De Chile*, **2010**, 138, 1475-1479	0.5	2
50	Matrix metalloproteinase-9 activity is associated to oxidative stress in patients with acute coronary syndrome. *International Journal of Cardiology*, **2010**, 143, 98-100	3.2	13
49	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, 509-18	6.9	88
48	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, 4665-77	4.8	39
47	Angiotensin-(1-9) regulates cardiac hypertrophy in vivo and in vitro. *Journal of Hypertension*, **2010**, 28, 1054-64	1.9	65
46	Parallel activation of Ca(2+)-induced survival and death pathways in cardiomyocytes by sorbitol-induced hyperosmotic stress. *Apoptosis: an International Journal on Programmed Cell Death* , **2010**, 15, 887-903	5.4	23
45	Iron induces protection and necrosis in cultured cardiomyocytes: Role of reactive oxygen species and nitric oxide. *Free Radical Biology and Medicine*, **2010**, 48, 526-34	7.8	35
44	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, 569-76	2.3	11
43	Neuronal Thy-1 induces astrocyte adhesion by engaging syndecan-4 in a cooperative interaction with alphavbeta3 integrin that activates PKCalpha and RhoA. *Journal of Cell Science*, **2009**, 122, 3462-71	5.3	65
42	Regulatory volume decrease in cardiomyocytes is modulated by calcium influx and reactive oxygen species. *FEBS Letters*, **2009**, 583, 3485-92	3.8	7

41	(TTA)n polymorphism in 3-hydroxy-3-methylglutaryl-coenzyme A and response to atorvastatin in coronary artery disease patients. *Basic and Clinical Pharmacology and Toxicology*, **2009**, 104, 211-5	3.1	5
40	Gln(27)-->Glubeta(2)-adrenergic receptor polymorphism in heart failure patients: differential clinical and oxidative response to carvedilol. *Basic and Clinical Pharmacology and Toxicology*, **2009**, 104, 374-8	3.1	19
39	The transcription factor MEF2C mediates cardiomyocyte hypertrophy induced by IGF-1 signaling. *Biochemical and Biophysical Research Communications*, **2009**, 388, 155-60	3.4	36
38	Vascular Cell Adhesion Molecule (VCAM-1) predicts Atrial Fibrillation after On-Pump Heart Surgery. *FASEB Journal*, **2009**, 23, LB348	0.9	
37	Ceramide-induced formation of ROS and ATP depletion trigger necrosis in lymphoid cells. *Free Radical Biology and Medicine*, **2008**, 44, 1146-60	7.8	45
36	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, 435-41	5.8	47
35	Osmotically-induced genes are controlled by the transcription factor TonEBP in cultured cardiomyocytes. *Biochemical and Biophysical Research Communications*, **2008**, 372, 326-30	3.4	9
34	Changes in mitochondrial dynamics during ceramide-induced cardiomyocyte early apoptosis. *Cardiovascular Research*, **2008**, 77, 387-97	9.9	188
33	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, 184-90	3.1	24
32	Uric acid, xanthine oxidase and heart failure: unresolved issues. *European Journal of Heart Failure*, **2008**, 10, 1271-2	12.3	2
31	Serum uric acid correlates with extracellular superoxide dismutase activity in patients with chronic heart failure. *European Journal of Heart Failure*, **2008**, 10, 646-51	12.3	26
30	Membrane electrical activity elicits inositol 1,4,5-trisphosphate-dependent slow Ca2+ signals through a Gbetagamma/phosphatidylinositol 3-kinase gamma pathway in skeletal myotubes. *Journal of Biological Chemistry*, **2006**, 281, 12143-54	5.4	30
29	Testosterone induces an intracellular calcium increase by a nongenomic mechanism in cultured rat cardiac myocytes. *Endocrinology*, **2006**, 147, 1386-95	4.8	116
28	Hyperosmotic stress activates p65/RelB NFkappaB in cultured cardiomyocytes with dichotomic actions on caspase activation and cell death. *FEBS Letters*, **2006**, 580, 3469-76	3.8	13
27	Hyperosmotic stress-dependent NFkappaB activation is regulated by reactive oxygen species and IGF-1 in cultured cardiomyocytes. *FEBS Letters*, **2006**, 580, 4495-500	3.8	31
26	Reactive oxygen species inhibit hyposmotic stress-dependent volume regulation in cultured rat cardiomyocytes. *Biochemical and Biophysical Research Communications*, **2006**, 350, 1076-81	3.4	14
25	Oxidative stress in pericardial fluid and plasma and its association with ventricular function. *International Journal of Cardiology*, **2005**, 101, 197-201	3.2	7
24	IGF-1 protects cardiac myocytes from hyperosmotic stress-induced apoptosis via CREB. *Biochemical and Biophysical Research Communications*, **2005**, 336, 1112-8	3.4	30

23	La vía de señalización Rho/Rho-cinasa en la enfermedad y el remodelado cardiovascular. *Revista Espanola De Cardiologia*, **2005**, 58, 951-961	1.5	25
22	Effects of carvedilol upon intra- and interventricular synchrony in patients with chronic heart failure. *American Journal of Cardiology*, **2005**, 96, 267-9	3	8
21	Effects of carvedilol on oxidative stress and chronotropic response to exercise in patients with chronic heart failure. *European Journal of Heart Failure*, **2005**, 7, 1033-9	12.3	29
20	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, 7554-65	5.4	58
19	Efectos del carvedilol en la capacidad funcional, función ventricular izquierda, catecolaminas y estrés oxidativo en pacientes con insuficiencia cardíaca crónica. *Revista Espanola De Cardiologia*, **2004**, 57, 1053-1058	1.5	5
18	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, 215-8	3	32
17	Levels of plasma angiotensin-(1-7) in patients with hypertension who have the angiotensin-I-converting enzyme deletion/deletion genotype. *American Journal of Cardiology*, **2003**, 92, 749-51	3	22
16	Aldose reductase induced by hyperosmotic stress mediates cardiomyocyte apoptosis: differential effects of sorbitol and mannitol. *Journal of Biological Chemistry*, **2003**, 278, 38484-94	5.4	70
15	Isoproterenol and angiotensin I-converting enzyme in lung, left ventricle, and plasma during myocardial hypertrophy and fibrosis. *Journal of Cardiovascular Pharmacology*, **2002**, 40, 246-54	3.1	22
14	Oxidative stress after reperfusion with primary coronary angioplasty: lack of effect of glucose-insulin-potassium infusion. *Critical Care Medicine*, **2002**, 30, 417-21	1.4	29
13	Direct electrochemical characterization of hyperthermophilic Thermococcus celer metalloenzymes involved in hydrogen production from pyruvate. *Journal of Biological Inorganic Chemistry*, **2001**, 6, 227-31	3.7	7
12	Purification and characterization of an iron-nickel hydrogenase from Thermococcus celer. *Journal of Biological Inorganic Chemistry*, **2001**, 6, 517-22	3.7	5
11	Purification and Characterization of Ferredoxin from the Hyperthermophilic Pyrococcus woesei. *Anaerobe*, **2000**, 6, 285-290	2.8	7
10	Optimization of the growth conditions of the extremely thermophilic microorganisms Thermococcus celer and Pyrococcus woesei. *Journal of Microbiological Methods*, **1999**, 38, 169-75	2.8	17
9	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, 267-73		2
8	Citrus limon seedlings without functional chloroplasts are unable to induce phenylalanine ammonia-lyase in response to inoculation with Alternaria alternata. *Journal of Plant Physiology*, **1997**, 150, 645-651	3.6	1
7	Kinetic characteristics of nucleoside mono-, di- and triphosphatase activities of the periplasmic 5Rnucleotidase of Escherichia coli. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **1997**, 117, 135-42	2.3	6
6	Human placental ATP-diphosphohydrolase: biochemical characterization, regulation and function. *International Journal of Biochemistry & Cell Biology*, **1994**, 26, 437-48		31

5	Antibodies against Fungal Conidia and Antibiotics Inhibit Phenylalanine Ammonia-Lyase Activation in Citrus. *Journal of Plant Physiology*, **1993**, 141, 393-397	3.6	1
4	Octadecyl silica: a solid phase for protein purification by immunoadsorption. *Analytical Biochemistry* , **1991**, 197, 47-51	3.1	7
3	Comparative subcellular distribution of apyrase from animal and plant sources. Characterization of microsomal apyrase. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1989**, 93, 911-9		14
2	Purification and biochemical characterization of tellurite-reducing activities from Thermus thermophilus HB8. *Journal of Bacteriology*, **1988**, 170, 3269-73	3.5	62
1	Resistance of Thermus spp. to Potassium Tellurite. *Applied and Environmental Microbiology*, **1988**, 54, 610-2	4.8	27