

Mario Chiong

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
147	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
146	Increased ER-mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. <i>Journal of Cell Science</i> , 2011 , 124, 2143-52	5.3	367
145	Cardiomyocyte death: mechanisms and translational implications. <i>Cell Death and Disease</i> , 2011 , 2, e244	9.8	293
144	Autophagy in cardiovascular biology. <i>Journal of Clinical Investigation</i> , 2015 , 125, 55-64	15.9	209
143	Counter-regulatory renin-angiotensin system in cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2020 , 17, 116-129	14.8	198
142	Changes in mitochondrial dynamics during ceramide-induced cardiomyocyte early apoptosis. <i>Cardiovascular Research</i> , 2008 , 77, 387-97	9.9	188
141	Molecular mechanisms of autophagy in the cardiovascular system. <i>Circulation Research</i> , 2015 , 116, 456-67	15.7	176
140	Insulin stimulates mitochondrial fusion and function in cardiomyocytes via the Akt-mTOR-NFB-Opa-1 signaling pathway. <i>Diabetes</i> , 2014 , 63, 75-88	0.9	146
139	Autophagy as a therapeutic target in cardiovascular disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 584-93	5.8	144
138	Endoplasmic reticulum: ER stress regulates mitochondrial bioenergetics. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 16-20	5.6	129
137	Testosterone induces an intracellular calcium increase by a nongenomic mechanism in cultured rat cardiac myocytes. <i>Endocrinology</i> , 2006 , 147, 1386-95	4.8	116
136	Mitochondrial fission is required for cardiomyocyte hypertrophy mediated by a Ca ²⁺ -calcineurin signaling pathway. <i>Journal of Cell Science</i> , 2014 , 127, 2659-71	5.3	113
135	Energy-preserving effects of IGF-1 antagonize starvation-induced cardiac autophagy. <i>Cardiovascular Research</i> , 2012 , 93, 320-9	9.9	102
134	ACE2 and vasoactive peptides: novel players in cardiovascular/renal remodeling and hypertension. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2015 , 9, 217-37	3.4	97
133	Glucose deprivation causes oxidative stress and stimulates aggresome formation and autophagy in cultured cardiac myocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 509-18	6.9	88
132	Drp1 loss-of-function reduces cardiomyocyte oxygen dependence protecting the heart from ischemia-reperfusion injury. <i>Journal of Cardiovascular Pharmacology</i> , 2014 , 63, 477-87	3.1	82

131	Sarcoplasmic reticulum-mitochondria communication in cardiovascular pathophysiology. <i>Nature Reviews Cardiology</i> , 2017 , 14, 342-360	14.8	80
130	Cell death and survival through the endoplasmic reticulum-mitochondrial axis. <i>Current Molecular Medicine</i> , 2013 , 13, 317-29	2.5	79
129	Mitochondrial metabolism and the control of vascular smooth muscle cell proliferation. <i>Frontiers in Cell and Developmental Biology</i> , 2014 , 2, 72	5.7	73
128	Aldose reductase induced by hyperosmotic stress mediates cardiomyocyte apoptosis: differential effects of sorbitol and mannitol. <i>Journal of Biological Chemistry</i> , 2003 , 278, 38484-94	5.4	70
127	Local control of nuclear calcium signaling in cardiac myocytes by perinuclear microdomains of sarcolemmal insulin-like growth factor 1 receptors. <i>Circulation Research</i> , 2013 , 112, 236-45	15.7	67
126	Neuronal Thy-1 induces astrocyte adhesion by engaging syndecan-4 in a cooperative interaction with alphavbeta3 integrin that activates PKCalpha and RhoA. <i>Journal of Cell Science</i> , 2009 , 122, 3462-71	5.3	65
125	Angiotensin-(1-9) regulates cardiac hypertrophy in vivo and in vitro. <i>Journal of Hypertension</i> , 2010 , 28, 1054-64	1.9	65
124	Angiotensin-(1-9) reverses experimental hypertension and cardiovascular damage by inhibition of the angiotensin converting enzyme/Ang II axis. <i>Journal of Hypertension</i> , 2014 , 32, 771-83	1.9	63
123	Purification and biochemical characterization of tellurite-reducing activities from <i>Thermus thermophilus</i> HB8. <i>Journal of Bacteriology</i> , 1988 , 170, 3269-73	3.5	62
122	Insulin-like growth factor-1 induces an inositol 1,4,5-trisphosphate-dependent increase in nuclear and cytosolic calcium in cultured rat cardiac myocytes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7554-65	5.4	58
121	Recent insights and therapeutic perspectives of angiotensin-(1-9) in the cardiovascular system. <i>Clinical Science</i> , 2014 , 127, 549-57	6.5	54
120	FoxO1 mediates TGF-beta1-dependent cardiac myofibroblast differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 128-38	4.9	47
119	Rho kinase inhibition activates the homologous angiotensin-converting enzyme-angiotensin-(1-9) axis in experimental hypertension. <i>Journal of Hypertension</i> , 2011 , 29, 706-15	1.9	47
118	Pleiotropic effects of atorvastatin in heart failure: role in oxidative stress, inflammation, endothelial function, and exercise capacity. <i>Journal of Heart and Lung Transplantation</i> , 2008 , 27, 435-41	5.8	47
117	Autophagy and oxidative stress in non-communicable diseases: A matter of the inflammatory state?. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 61-78	7.8	47
116	Ceramide-induced formation of ROS and ATP depletion trigger necrosis in lymphoid cells. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1146-60	7.8	45
115	Mitochondrial fragmentation impairs insulin-dependent glucose uptake by modulating Akt activity through mitochondrial Ca ²⁺ uptake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E1-E13	6	40
114	Influence of glucose metabolism on vascular smooth muscle cell proliferation. <i>Vasa - European Journal of Vascular Medicine</i> , 2013 , 42, 8-16	1.9	40

113	An inositol 1,4,5-triphosphate (IP3)-IP3 receptor pathway is required for insulin-stimulated glucose transporter 4 translocation and glucose uptake in cardiomyocytes. <i>Endocrinology</i> , 2010 , 151, 4665-77	4.8	39
112	Trimetazidine prevents palmitate-induced mitochondrial fission and dysfunction in cultured cardiomyocytes. <i>Biochemical Pharmacology</i> , 2014 , 91, 323-36	6	38
111	The transcription factor MEF2C mediates cardiomyocyte hypertrophy induced by IGF-1 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 388, 155-60	3.4	36
110	Organelle communication: signaling crossroads between homeostasis and disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 50, 55-9	5.6	35
109	Iron induces protection and necrosis in cultured cardiomyocytes: Role of reactive oxygen species and nitric oxide. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 526-34	7.8	35
108	Systemic oxidative stress and endothelial dysfunction is associated with an attenuated acute vascular response to inhaled prostanoid in pulmonary artery hypertension patients. <i>Journal of Cardiac Failure</i> , 2011 , 17, 1012-7	3.3	32
107	Relation between oxidative stress, catecholamines, and impaired chronotropic response to exercise in patients with chronic heart failure secondary to ischemic or idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , 2003 , 92, 215-8	3	32
106	Glucagon-like peptide-1 inhibits vascular smooth muscle cell dedifferentiation through mitochondrial dynamics regulation. <i>Biochemical Pharmacology</i> , 2016 , 104, 52-61	6	31
105	Simvastatin induces apoptosis by a Rho-dependent mechanism in cultured cardiac fibroblasts and myofibroblasts. <i>Toxicology and Applied Pharmacology</i> , 2011 , 255, 57-64	4.6	31
104	Hyperosmotic stress-dependent NFkappaB activation is regulated by reactive oxygen species and IGF-1 in cultured cardiomyocytes. <i>FEBS Letters</i> , 2006 , 580, 4495-500	3.8	31
103	Human placental ATP-diphosphohydrolase: biochemical characterization, regulation and function. <i>International Journal of Biochemistry & Cell Biology</i> , 1994 , 26, 437-48		31
102	Markedly increased Rho-kinase activity in circulating leukocytes in patients with chronic heart failure. <i>American Heart Journal</i> , 2011 , 161, 931-7	4.9	30
101	Membrane electrical activity elicits inositol 1,4,5-trisphosphate-dependent slow Ca ²⁺ signals through a Gbetagamma/phosphatidylinositol 3-kinase gamma pathway in skeletal myotubes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 12143-54	5.4	30
100	IGF-1 protects cardiac myocytes from hyperosmotic stress-induced apoptosis via CREB. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 336, 1112-8	3.4	30
99	Effects of carvedilol on oxidative stress and chronotropic response to exercise in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2005 , 7, 1033-9	12.3	29
98	Oxidative stress after reperfusion with primary coronary angioplasty: lack of effect of glucose-insulin-potassium infusion. <i>Critical Care Medicine</i> , 2002 , 30, 417-21	1.4	29
97	GLP-1 promotes mitochondrial metabolism in vascular smooth muscle cells by enhancing endoplasmic reticulum-mitochondria coupling. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 410-6	3.4	28
96	Xanthine-oxidase inhibitors and statins in chronic heart failure: effects on vascular and functional parameters. <i>Journal of Heart and Lung Transplantation</i> , 2011 , 30, 408-13	5.8	28

95	Alteration in mitochondrial Ca(2+) uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , 2014 , 12, 68	7.5	27
94	Resistance of <i>Thermus</i> spp. to Potassium Tellurite. <i>Applied and Environmental Microbiology</i> , 1988 , 54, 610-2	4.8	27
93	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. <i>Autophagy</i> , 2016 , 12, 287-96	10.2	26
92	Systemic vascular cell adhesion molecule-1 predicts the occurrence of post-operative atrial fibrillation. <i>International Journal of Cardiology</i> , 2011 , 150, 270-6	3.2	26
91	Serum uric acid correlates with extracellular superoxide dismutase activity in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2008 , 10, 646-51	12.3	26
90	Basal autophagy protects cardiomyocytes from doxorubicin-induced toxicity. <i>Toxicology</i> , 2016 , 370, 41-48	4.4	26
89	Inhibition of mitochondrial fission prevents hypoxia-induced metabolic shift and cellular proliferation of pulmonary arterial smooth muscle cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2891-2903	6.9	25
88	La vía de señalización Rho/Rho-cinasa en la enfermedad y el remodelado cardiovascular. <i>Revista Espanola De Cardiologia</i> , 2005 , 58, 951-961	1.5	25
87	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1553	5.6	24
86	Autophagy mediates tumor necrosis factor- α -induced phenotype switching in vascular smooth muscle A7r5 cell line. <i>PLoS ONE</i> , 2018 , 13, e0197210	3.7	24
85	Phospholipase C/protein kinase C pathway mediates angiotensin II-dependent apoptosis in neonatal rat cardiac fibroblasts expressing AT1 receptor. <i>Journal of Cardiovascular Pharmacology</i> , 2008 , 52, 184-90	3.1	24
84	Herp depletion protects from protein aggregation by up-regulating autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 3295-3305	4.9	23
83	Parallel activation of Ca(2+)-induced survival and death pathways in cardiomyocytes by sorbitol-induced hyperosmotic stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 887-903	5.4	23
82	Increased ER-mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. <i>Journal of Cell Science</i> , 2011 , 124, 2511-2511	5.3	22
81	Levels of plasma angiotensin-(1-7) in patients with hypertension who have the angiotensin-I-converting enzyme deletion/deletion genotype. <i>American Journal of Cardiology</i> , 2003 , 92, 749-51	3	22
80	Isoproterenol and angiotensin I-converting enzyme in lung, left ventricle, and plasma during myocardial hypertrophy and fibrosis. <i>Journal of Cardiovascular Pharmacology</i> , 2002 , 40, 246-54	3.1	22
79	HERPUD1 protects against oxidative stress-induced apoptosis through downregulation of the inositol 1,4,5-trisphosphate receptor. <i>Free Radical Biology and Medicine</i> , 2016 , 90, 206-18	7.8	21
78	Inhibition of cyclin-dependent kinase 5 but not of glycogen synthase kinase 3- β prevents neurite retraction and tau hyperphosphorylation caused by secretable products of human T-cell leukemia virus type I-infected lymphocytes. <i>Journal of Neuroscience Research</i> , 2011 , 89, 1489-98	4.4	20

77	Gln(27)-->Glu(2)-adrenergic receptor polymorphism in heart failure patients: differential clinical and oxidative response to carvedilol. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 104, 374-8	3.1	19
76	Atrial Function Assessed by Speckle Tracking Echocardiography Is a Good Predictor of Postoperative Atrial Fibrillation in Elderly Patients. <i>Echocardiography</i> , 2016 , 33, 242-8	1.5	19
75	Angiotensin-(1-9) reduces cardiovascular and renal inflammation in experimental renin-independent hypertension. <i>Biochemical Pharmacology</i> , 2018 , 156, 357-370	6	19
74	Exercise regulates lipid droplet dynamics in normal and fatty liver. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 158519	5	18
73	Transforming growth factor-beta and Forkhead box O transcription factors as cardiac fibroblast regulators. <i>BioScience Trends</i> , 2017 , 11, 154-162	9.9	18
72	Role of Interleukin-6 in Vascular Health and Disease. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 641734	5.6	18
71	Optimization of the growth conditions of the extremely thermophilic microorganisms <i>Thermococcus celer</i> and <i>Pyrococcus woesei</i> . <i>Journal of Microbiological Methods</i> , 1999 , 38, 169-75	2.8	17
70	TonEBP suppresses IL-10-mediated immunomodulation. <i>Scientific Reports</i> , 2016 , 6, 25726	4.9	17
69	Novel players in cardioprotection: Insulin like growth factor-1, angiotensin-(1-7) and angiotensin-(1-9). <i>Pharmacological Research</i> , 2015 , 101, 41-55	10.2	16
68	Simvastatin disrupts cytoskeleton and decreases cardiac fibroblast adhesion, migration and viability. <i>Toxicology</i> , 2012 , 294, 42-9	4.4	16
67	Angiotensin-(1-9) prevents cardiomyocyte hypertrophy by controlling mitochondrial dynamics via miR-129-3p/PK1A pathway. <i>Cell Death and Differentiation</i> , 2020 , 27, 2586-2604	12.7	15
66	Reactive oxygen species inhibit hyposmotic stress-dependent volume regulation in cultured rat cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 350, 1076-81	3.4	14
65	Comparative subcellular distribution of apyrase from animal and plant sources. Characterization of microsomal apyrase. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1989 , 93, 911-9		14
64	Effects of trimetazidine in nonischemic heart failure: a randomized study. <i>Journal of Cardiac Failure</i> , 2014 , 20, 149-54	3.3	13
63	Endocytic pathway of exogenous iron-loaded ferritin in intestinal epithelial (Caco-2) cells. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, G655-61	5.1	13
62	Matrix metalloproteinase-9 activity is associated to oxidative stress in patients with acute coronary syndrome. <i>International Journal of Cardiology</i> , 2010 , 143, 98-100	3.2	13
61	Hyperosmotic stress activates p65/RelB NFkappaB in cultured cardiomyocytes with dichotomic actions on caspase activation and cell death. <i>FEBS Letters</i> , 2006 , 580, 3469-76	3.8	13
60	Sarcoplasmic reticulum and calcium signaling in muscle cells: Homeostasis and disease. <i>International Review of Cell and Molecular Biology</i> , 2020 , 350, 197-264	6	12

59	Role of heterotrimeric G protein and calcium in cardiomyocyte hypertrophy induced by IGF-1. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 712-20	4.7	12
58	AT2 Receptor Mediated Activation of the Tyrosine Phosphatase PTP1B Blocks Caveolin-1 Enhanced Migration, Invasion and Metastasis of Cancer Cells. <i>Cancers</i> , 2019 , 11,	6.6	11
57	Acute effect of iloprost inhalation on right atrial function and ventricular dyssynchrony in patients with pulmonary artery hypertension. <i>Echocardiography</i> , 2017 , 34, 53-60	1.5	11
56	Differential participation of angiotensin II type 1 and 2 receptors in the regulation of cardiac cell death triggered by angiotensin II. <i>American Journal of Hypertension</i> , 2009 , 22, 569-76	2.3	11
55	Mechanical stretch increases L-type calcium channel stability in cardiomyocytes through a polycystin-1/AKT-dependent mechanism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 289-296	4.9	11
54	Herpud1 negatively regulates pathological cardiac hypertrophy by inducing IP3 receptor degradation. <i>Scientific Reports</i> , 2017 , 7, 13402	4.9	9
53	Osmotically-induced genes are controlled by the transcription factor TonEBP in cultured cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 372, 326-30	3.4	9
52	Herpud1 impacts insulin-dependent glucose uptake in skeletal muscle cells by controlling the Ca-calcineurin-Akt axis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 1653-1662	6.9	8
51	Increased active phase atrial contraction is related to marathon runner performance. <i>European Journal of Applied Physiology</i> , 2018 , 118, 1931-1939	3.4	8
50	Mitochondrial Dynamics: a Potential New Therapeutic Target for Heart Failure. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2011 , 64, 916-923	0.7	8
49	Effects of carvedilol upon intra- and interventricular synchrony in patients with chronic heart failure. <i>American Journal of Cardiology</i> , 2005 , 96, 267-9	3	8
48	VCAM-1 as a predictor biomarker in cardiovascular disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166170	6.9	8
47	Regulatory volume decrease in cardiomyocytes is modulated by calcium influx and reactive oxygen species. <i>FEBS Letters</i> , 2009 , 583, 3485-92	3.8	7
46	Oxidative stress in pericardial fluid and plasma and its association with ventricular function. <i>International Journal of Cardiology</i> , 2005 , 101, 197-201	3.2	7
45	Direct electrochemical characterization of hyperthermophilic <i>Thermococcus celer</i> metalloenzymes involved in hydrogen production from pyruvate. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 227-31	3.7	7
44	Purification and Characterization of Ferredoxin from the Hyperthermophilic <i>Pyrococcus woesei</i> . <i>Anaerobe</i> , 2000 , 6, 285-290	2.8	7
43	Octadecyl silica: a solid phase for protein purification by immunoadsorption. <i>Analytical Biochemistry</i> , 1991 , 197, 47-51	3.1	7
42	Insulin/NFB protects against ischemia-induced necrotic cardiomyocyte death. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 467, 451-7	3.4	6

41	Kinetic characteristics of nucleoside mono-, di- and triphosphatase activities of the periplasmic 5Rnucleotidase of <i>Escherichia coli</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997 , 117, 135-42	2.3	6
40	Vasodilator and hypotensive effects of pure compounds and hydroalcoholic extract of <i>Xenophyllum poposum</i> (Phil) V.A Funk (Compositae) on rats. <i>Phytomedicine</i> , 2018 , 50, 99-108	6.5	6
39	Pro-fibrotic effect of oxidized LDL in cardiac myofibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 524, 696-701	3.4	5
38	The STIM1 inhibitor ML9 disrupts basal autophagy in cardiomyocytes by decreasing lysosome content. <i>Toxicology in Vitro</i> , 2018 , 48, 121-127	3.6	5
37	Bido flico: una molécula con acciones paradójicas en la insuficiencia cardiaca. <i>Revista Medica De Chile</i> , 2011 , 139, 505-515	0.5	5
36	(TTA)n polymorphism in 3-hydroxy-3-methylglutaryl-coenzyme A and response to atorvastatin in coronary artery disease patients. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 104, 211-5	3.1	5
35	Efectos del carvedilol en la capacidad funcional, función ventricular izquierda, catecolaminas y estrés oxidativo en pacientes con insuficiencia cardíaca crónica. <i>Revista Espanola De Cardiologia</i> , 2004 , 57, 1053-1058	1.5	5
34	Purification and characterization of an iron-nickel hydrogenase from <i>Thermococcus celer</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 517-22	3.7	5
33	The role of autophagy in cardiovascular pathology. <i>Cardiovascular Research</i> , 2021 ,	9.9	5
32	Modulatory Effect of 2-(4-Hydroxyphenyl)amino-1,4-naphthoquinone on Endothelial Vasodilation in Rat Aorta. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 3939540	6.7	5
31	Increased C-reactive protein plasma levels are not involved in the onset of post-operative atrial fibrillation. <i>Journal of Cardiology</i> , 2017 , 70, 578-583	3	4
30	Potential adverse cardiac remodelling in highly trained athletes: still unknown clinical significance. <i>European Journal of Sport Science</i> , 2018 , 18, 1288-1297	3.9	4
29	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. <i>Journal of Heart and Lung Transplantation</i> , 2012 , 31, 1096-101	5.8	4
28	Polyphenolic Composition and Hypotensive Effects of (Meyen) Cabrera in Rat. <i>Antioxidants</i> , 2019 , 8,	7.1	4
27	Angiotensin-(1-7) Prevents Lipopolysaccharide-Induced Autophagy via the Mas Receptor in Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
26	β-Hydroxybutyrate Increases Exercise Capacity Associated with Changes in Mitochondrial Function in Skeletal Muscle. <i>Nutrients</i> , 2020 , 12,	6.7	3
25	Light-induced release of the cardioprotective peptide angiotensin-(1-9) from thermosensitive liposomes with gold nanoclusters. <i>Journal of Controlled Release</i> , 2020 , 328, 859-872	11.7	2
24	Reply: dissociating angiotensin 1-9 anticardiovascular remodeling effects from those on blood pressure. <i>Journal of Hypertension</i> , 2014 , 32, 1719-21	1.9	2

23	Determinaciones de niveles de creatina y lípidos mediante espectroscopia por resonancia magnética en miocardio de pacientes con insuficiencia cardiaca no isquémica. <i>Revista Medica De Chile</i> , 2010 , 138, 1475-1479	0.5	2
22	Omeprazole, a specific gastric secretion inhibitor on oxynticopeptic cells, reduces gizzard erosion in broiler chicks fed with toxic fish meals. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1997 , 117, 267-73		2
21	Uric acid, xanthine oxidase and heart failure: unresolved issues. <i>European Journal of Heart Failure</i> , 2008 , 10, 1271-2	12.3	2
20	Angiotensin-(1-9) prevents vascular remodeling by decreasing vascular smooth muscle cell dedifferentiation through a FoxO1-dependent mechanism. <i>Biochemical Pharmacology</i> , 2020 , 180, 114196	6	2
19	Preoperative soluble VCAM-1 contributes to predict late mortality after coronary artery surgery. <i>Clinical Cardiology</i> , 2020 , 43, 1301-1307	3.3	2
18	Citrus limon seedlings without functional chloroplasts are unable to induce phenylalanine ammonia-lyase in response to inoculation with <i>Alternaria alternata</i> . <i>Journal of Plant Physiology</i> , 1997 , 150, 645-651	3.6	1
17	Antibodies against Fungal Conidia and Antibiotics Inhibit Phenylalanine Ammonia-Lyase Activation in Citrus. <i>Journal of Plant Physiology</i> , 1993 , 141, 393-397	3.6	1
16	Regulation of total LC3 levels by angiotensin II in vascular smooth muscle cells.. <i>Journal of Cellular and Molecular Medicine</i> , 2022 ,	5.6	1
15	Soluble Interleukin-6 Receptor Regulates Interleukin-6-Dependent Vascular Remodeling in Long-Distance Runners. <i>Frontiers in Physiology</i> , 2021 , 12, 722528	4.6	1
14	Polycystin-1 regulates cardiomyocyte mitophagy. <i>FASEB Journal</i> , 2021 , 35, e21796	0.9	1
13	Polycystin-1 is required for insulin-like growth factor 1-induced cardiomyocyte hypertrophy. <i>PLoS ONE</i> , 2021 , 16, e0255452	3.7	1
12	Circulating Vascular Cell Adhesion Molecule-1 (sVCAM-1) Is Associated With Left Atrial Remodeling in Long-Distance Runners. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 737285	5.4	0
11	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. <i>Journal of Cardiovascular Pharmacology</i> , 2021 , 77, 245-252	3.1	0
10	Novel Insights Into the Pathogenesis of Diabetic Cardiomyopathy and Pharmacological Strategies.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 707336	5.4	0
9	Biomarcadores de fibrosis y función ventricular derecha en maratonistas con distinto grado de entrenamiento: estudio en la Maratón de Santiago. <i>Revista Chilena De Cardiología</i> , 2019 , 38, 37-45	0.3	
8	El efecto anti-hipertensivo de Angiotensina-(1-9) es mediado por aumento temprano de la diuresis y natriuresis. <i>Revista Chilena De Cardiología</i> , 2015 , 34, 120-129	0.3	
7	Angiotensina-(1-9) disminuye el remodelamiento cardiovascular hipertensivo independiente de los niveles de ECA y de angiotensina II. <i>Revista Chilena De Cardiología</i> , 2012 , 31, 202-214	0.3	
6	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. <i>Revista Chilena De Cardiología</i> , 2012 , 31, 118-128	0.3	

- 5 La sobreexpresión del gen de enzima convertidora de angiotensina humana (ECA2) revierte la hipertensión arterial y el remodelado cardíaco experimental. *Revista Chilena De Cardiología*, **2010**, 29, 334-341 0.3
- 4 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
- 3 Vascular Cell Adhesion Molecule (VCAM-1) predicts Atrial Fibrillation after On-Pump Heart Surgery. *FASEB Journal*, **2009**, 23, LB348 0.9
- 2 Early left atrial dysfunction is associated with suboptimal cardiovascular health. *Echocardiography*, **2020**, 37, 47-54 1.5
- 1 Entrenamiento físico de alta intensidad en maratonistas produce mayor remodelado cardíaco y reduce respuesta de estrés oxidativo. *Revista Chilena De Cardiología*, **2018**, 37, 93-103 0.3