

# Sergio Lavandero

## List of Publications by Year in descending order

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Version: 2024-02-01

326  
papers

24,447  
citations

15001

68  
h-index

10129

145  
g-index

347  
all docs

347  
docs citations

347  
times ranked

43103  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of autophagy in cardiovascular pathology. <i>Cardiovascular Research</i> , 2022, 118, 934-950.	1.8	34
2	Autophagy in the cardiovascular system. , 2022, , 229-241.		0
3	The integrated stress response in ischemic diseases. <i>Cell Death and Differentiation</i> , 2022, 29, 750-757.	5.0	23
4	Regulation of total LC3 levels by angiotensin II in vascular smooth muscle cells. <i>Journal of Cellular and Molecular Medicine</i> , 2022, , .	1.6	4
5	Mitochondrial <scp>E3</scp> ubiquitin ligase 1 (<scp>MUL1</scp>) as a novel therapeutic target for diseases associated with mitochondrial dysfunction. <i>IUBMB Life</i> , 2022, 74, 850-865.	1.5	9
6	Impaired AMP-Activated Protein Kinase Signaling in Heart Failure With Preserved Ejection Fractionâ€“Associated Atrial Fibrillation. <i>Circulation</i> , 2022, 146, 73-76.	1.6	4
7	PKD2/polycystin-2 induces autophagy by forming a complex with BECN1. <i>Autophagy</i> , 2021, 17, 1714-1728.	4.3	21
8	Vaccines against components of the reninâ€“angiotensin system. <i>Heart Failure Reviews</i> , 2021, 26, 711-726.	1.7	9
9	Targeting the Endothelium to Achieve Cardioprotection. <i>Frontiers in Pharmacology</i> , 2021, 12, 636134.	1.6	13
10	Testosterone activates glucose metabolism through AMPK and androgen signaling in cardiomyocyte hypertrophy. <i>Biological Research</i> , 2021, 54, 3.	1.5	17
11	Perspectives on Organelle Interaction, Protein Dysregulation, and Cancer Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 613336.	1.8	18
12	Xbp1s-FoxO1 axis governs lipid accumulation and contractile performance in heart failure with preserved ejection fraction. <i>Nature Communications</i> , 2021, 12, 1684.	5.8	59
13	Cooperative Binding of ETS2 and NFAT Links Erk1/2 and Calcineurin Signaling in the Pathogenesis of Cardiac Hypertrophy. <i>Circulation</i> , 2021, 144, 34-51.	1.6	30
14	NAD <sup>+</sup> Repletion Reverses Heart Failure With Preserved Ejection Fraction. <i>Circulation Research</i> , 2021, 128, 1629-1641.	2.0	96
15	Endoplasmic reticulumâ”mitochondria coupling increases during doxycycline-induced mitochondrial stress in HeLa cells. <i>Cell Death and Disease</i> , 2021, 12, 657.	2.7	16
16	Polycystinâ€“1 regulates cardiomyocyte mitophagy. <i>FASEB Journal</i> , 2021, 35, e21796.	0.2	6
17	Polycystin-1 is required for insulin-like growth factor 1-induced cardiomyocyte hypertrophy. <i>PLoS ONE</i> , 2021, 16, e0255452.	1.1	2
18	Left Cardiac Remodelling Assessed by Echocardiography Is Associated with Rho-Kinase Activation in Long-Distance Runners. <i>Journal of Cardiovascular Development and Disease</i> , 2021, 8, 118.	0.8	0

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19	Skeletal muscle type-specific mitochondrial adaptation to high-fat diet relies on differential autophagy modulation. <i>FASEB Journal</i> , 2021, 35, e21933.	0.2	3
20	VCAM-1 as a predictor biomarker in cardiovascular disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166170.	1.8	78
21	Novel molecular insights and public omics data in pulmonary hypertension. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166200.	1.8	6
22	Resolvin-D1 attenuation of angiotensin II-induced cardiac inflammation in mice is associated with prevention of cardiac remodeling and hypertension. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166241.	1.8	15
23	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.	1.1	1
24	Novel Insights Into the Pathogenesis of Diabetic Cardiomyopathy and Pharmacological Strategies. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 707336.	1.1	6
25	Emerging role of mitophagy in cardiovascular physiology and pathology. <i>Molecular Aspects of Medicine</i> , 2020, 71, 100822.	2.7	114
26	Counter-regulatory renin-angiotensin system in cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2020, 17, 116-129.	6.1	371
27	Inhibition of the proteasome preserves Mitofusin-2 and mitochondrial integrity, protecting cardiomyocytes during ischemia-reperfusion injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165659.	1.8	15
28	Early left atrial dysfunction is associated with suboptimal cardiovascular health. <i>Echocardiography</i> , 2020, 37, 47-54.	0.3	2
29	Science and Health Policies to Tackle Chronic Diseases in Chile. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 67-70.	3.1	11
30	Rho-kinase pathway activation and apoptosis in circulating leucocytes in patients with heart failure with reduced ejection fraction. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1413-1427.	1.6	11
31	Calcium-Sensing Receptor in Adipose Tissue: Possible Association with Obesity-Related Elevated Autophagy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7617.	1.8	10
32	Angiotensin-(1 <sup>9</sup> ) prevents vascular remodeling by decreasing vascular smooth muscle cell dedifferentiation through a FoxO1-dependent mechanism. <i>Biochemical Pharmacology</i> , 2020, 180, 114190.	2.0	9
33	Epigenetic Reader BRD4 (Bromodomain-Containing Protein 4) Governs Nucleus-Encoded Mitochondrial Transcriptome to Regulate Cardiac Function. <i>Circulation</i> , 2020, 142, 2356-2370.	1.6	47
34	Preoperative soluble VCAM-1 contributes to predict late mortality after coronary artery surgery. <i>Clinical Cardiology</i> , 2020, 43, 1301-1307.	0.7	3
35	Role of Autophagy in the Microenvironment of Oral Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 602661.	1.3	21
36	Light-induced release of the cardioprotective peptide angiotensin-(1 <sup>9</sup> ) from thermosensitive liposomes with gold nanoclusters. <i>Journal of Controlled Release</i> , 2020, 328, 859-872.	4.8	8

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37	New emerging roles of Polycystin-2 in the regulation of autophagy. <i>International Review of Cell and Molecular Biology</i> , 2020, 354, 165-186.	1.6	5
38	Inhibition of chymotrypsin-like activity of the proteasome by ixazomib prevents mitochondrial dysfunction during myocardial ischemia. <i>PLoS ONE</i> , 2020, 15, e0233591.	1.1	6
39	Cohort Profile: The Maule Cohort (MAUCO). <i>International Journal of Epidemiology</i> , 2020, 49, 760-761i.	0.9	13
40	Is Mitochondrial Dysfunction a Common Root of Noncommunicable Chronic Diseases?. <i>Endocrine Reviews</i> , 2020, 41, .	8.9	76
41	Role of FoxO3a as a negative regulator of the cardiac myofibroblast conversion induced by TGF- $\beta$ 1. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118695.	1.9	12
42	Angiotensin-(1 $\rightarrow$ 9) prevents cardiomyocyte hypertrophy by controlling mitochondrial dynamics via miR-129-3p/PKIA pathway. <i>Cell Death and Differentiation</i> , 2020, 27, 2586-2604.	5.0	29
43	Sarcoplasmic reticulum and calcium signaling in muscle cells: Homeostasis and disease. <i>International Review of Cell and Molecular Biology</i> , 2020, 350, 197-264.	1.6	28
44	$\beta$ -Hydroxybutyrate Increases Exercise Capacity Associated with Changes in Mitochondrial Function in Skeletal Muscle. <i>Nutrients</i> , 2020, 12, 1930.	1.7	14
45	Increased production of functional small extracellular vesicles in senescent endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4871-4876.	1.6	32
46	Autophagy Activation in Zebrafish Heart Regeneration. <i>Scientific Reports</i> , 2020, 10, 2191.	1.6	24
47	FoxO1 $\rightarrow$ Dio2 signaling axis governs cardiomyocyte thyroid hormone metabolism and hypertrophic growth. <i>Nature Communications</i> , 2020, 11, 2551.	5.8	26
48	Rho $\rightarrow$ kinase pathway activation and apoptosis in circulating leucocytes in patients with heart failure with reduced ejection fraction. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1413-1427.	1.6	1
49	Manipulation of ACE2 expression in COVID-19. <i>Open Heart</i> , 2020, 7, e001424.	0.9	55
50	Antihipertensivos en pacientes con COVID-19. <i>Revista Chilena De Cardiología</i> , 2020, 39, 66-74.	0.0	1
51	TGF- $\beta$ 1 induced up-regulation of B1 kinin receptor promotes antifibrotic activity in rat cardiac myofibroblasts. <i>Molecular Biology Reports</i> , 2019, 46, 5197-5207.	1.0	6
52	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.	0.0	0
53	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, 1299.	1.7	17
54	Looking back and thinking forwards $\rightarrow$ 15 years of cardiology and cardiovascular research. <i>Nature Reviews Cardiology</i> , 2019, 16, 651-660.	6.1	10

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55	Polycystin-1 Assembles With Kv Channels to Govern Cardiomyocyte Repolarization and Contractility. <i>Circulation</i> , 2019, 140, 921-936.	1.6	28
56	TLR4, but Neither Dectin-1 nor Dectin-2, Participates in the Mollusk Hemocyanin-Induced Proinflammatory Effects in Antigen-Presenting Cells From Mammals. <i>Frontiers in Immunology</i> , 2019, 10, 1136.	2.2	11
57	Polycystin-2 Is Required for Starvation- and Rapamycin-Induced Atrophy in Myotubes. <i>Frontiers in Endocrinology</i> , 2019, 10, 280.	1.5	4
58	GDF-11 prevents cardiomyocyte hypertrophy by maintaining the sarcoplasmic reticulum-mitochondria communication. <i>Pharmacological Research</i> , 2019, 146, 104273.	3.1	20
59	Fibroblast Primary Cilia Are Required for Cardiac Fibrosis. <i>Circulation</i> , 2019, 139, 2342-2357.	1.6	101
60	Nitrosative stress drives heart failure with preserved ejection fraction. <i>Nature</i> , 2019, 568, 351-356.	13.7	492
61	Female Sex Is Protective in a Preclinical Model of Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2019, 140, 1769-1771.	1.6	43
62	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. <i>Antioxidants</i> , 2019, 8, 614.	2.2	17
63	Editorial commentary: Cardiometabolic diseases and gut microbiota—removing the veil. <i>Trends in Cardiovascular Medicine</i> , 2019, 29, 148-149.	2.3	0
64	Caveolin-1 impairs PKA-DRP1-mediated remodelling of ER-mitochondria communication during the early phase of ER stress. <i>Cell Death and Differentiation</i> , 2019, 26, 1195-1212.	5.0	46
65	Bafilomycin-A1 and ML9 Exert Different Lysosomal Actions to Induce Cell Death. <i>Current Molecular Pharmacology</i> , 2019, 12, 261-271.	0.7	15
66	Enfermedades cardiovasculares y cáncer: ¿dos entidades mutuamente relacionadas?. <i>Revista Chilena De Cardiología</i> , 2019, 38, 54-63.	0.0	3
67	Mecanismo sensor y de adaptación a los niveles de oxígeno y su implicancia en las enfermedades cardiovasculares: a propósito del Premio Nobel de Fisiología-Medicina 2019. <i>Revista Chilena De Cardiología</i> , 2019, 38, 225-235.	0.0	2
68	Polycystin-2-dependent control of cardiomyocyte autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 118, 110-121.	0.9	32
69	Herpud1 impacts insulin-dependent glucose uptake in skeletal muscle cells by controlling the Ca <sup>2+</sup> -calcineurin-Akt axis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1653-1662.	1.8	13
70	The STIM1 inhibitor ML9 disrupts basal autophagy in cardiomyocytes by decreasing lysosome content. <i>Toxicology in Vitro</i> , 2018, 48, 121-127.	1.1	7
71	Down Syndrome Critical Region 1 Gene, <i>Rcan1</i> , Helps Maintain a More Fused Mitochondrial Network. <i>Circulation Research</i> , 2018, 122, e20-e33.	2.0	47
72	Mifepristone enhances insulin-stimulated Akt phosphorylation and glucose uptake in skeletal muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2018, 461, 277-283.	1.6	20

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73	Cardioprotection mediated by exosomes is impaired in the setting of type II diabetes but can be rescued by the use of non-diabetic exosomes <i>in vitro</i> . <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 141-151.	1.6	82
74	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.	1.9	17
75	Nanoparticles for diagnosis and therapy of atherosclerosis and myocardial infarction: evolution toward prospective theranostic approaches. <i>Theranostics</i> , 2018, 8, 4710-4732.	4.6	110
76	Entrenamiento fásico de alta intensidad en maratonistas produce mayor remodelado cardíaco y reduce respuesta de estrés oxidativo. <i>Revista Chilena De Cardiología</i> , 2018, 37, 93-103.	0.0	0
77	Heart Disease and Cancer. <i>Circulation</i> , 2018, 138, 692-695.	1.6	37
78	Endothelial cells release cardioprotective exosomes that may contribute to ischaemic preconditioning. <i>Scientific Reports</i> , 2018, 8, 15885.	1.6	80
79	IP3 receptor blockade restores autophagy and mitochondrial function in skeletal muscle fibers of dystrophic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3685-3695.	1.8	28
80	Angiotensin-(1-9) reduces cardiovascular and renal inflammation in experimental renin-independent hypertension. <i>Biochemical Pharmacology</i> , 2018, 156, 357-370.	2.0	31
81	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.	1.3	61
82	Diabetes mellitus tipo 2 y cardiopatía isquémica: fisiopatología, regulación génica y futuras opciones terapéuticas. <i>Revista Chilena De Cardiología</i> , 2018, 37, 42-54.	0.0	0
83	Protection of the myocardium against ischemia/reperfusion injury by angiotensin-(1-9) through an AT2R and Akt-dependent mechanism. <i>Pharmacological Research</i> , 2018, 135, 112-121.	3.1	28
84	Increased active phase atrial contraction is related to marathon runner performance. <i>European Journal of Applied Physiology</i> , 2018, 118, 1931-1939.	1.2	9
85	Autophagy mediates calcium-sensing receptor-induced TNF $\alpha$ production in human preadipocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3585-3594.	1.8	15
86	Potential adverse cardiac remodelling in highly trained athletes: still unknown clinical significance. <i>European Journal of Sport Science</i> , 2018, 18, 1288-1297.	1.4	7
87	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. <i>Frontiers in Pharmacology</i> , 2018, 9, 1553.	1.6	34
88	Sarcoplasmic reticulum-mitochondria communication in cardiovascular pathophysiology. <i>Nature Reviews Cardiology</i> , 2017, 14, 342-360.	6.1	114
89	Subcellular Remodeling of the T-Tubule Membrane System. <i>Circulation</i> , 2017, 135, 1646-1650.	1.6	2
90	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.	0.8	7

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91	Mitochondria in Structural and Functional Cardiac Remodeling. <i>Advances in Experimental Medicine and Biology</i> , 2017, 982, 277-306.	0.8	51
92	Calcium Transport and Signaling in Mitochondria. , 2017, 7, 623-634.		168
93	Herpud1 negatively regulates pathological cardiac hypertrophy by inducing IP3 receptor degradation. <i>Scientific Reports</i> , 2017, 7, 13402.	1.6	16
94	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.	1.8	48
95	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.	0.3	13
96	Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II and Androgen Signaling Pathways Modulate MEF2 Activity in Testosterone-Induced Cardiac Myocyte Hypertrophy. <i>Frontiers in Pharmacology</i> , 2017, 8, 604.	1.6	20
97	Strain auricular izquierdo y biomarcadores cardíacos como predictores de accidente cerebrovascular en pacientes con fibrilación auricular de reciente comienzo. <i>Revista Chilena De Cardiología</i> , 2017, 36, 89-96.	0.0	0
98	Calcium in Obesity and Related Diseases. , 2017, , 35-44.		0
99	Hyperosmotic stress stimulates autophagy via polycystin-2. <i>Oncotarget</i> , 2017, 8, 55984-55997.	0.8	34
100	Novel Therapies Targeting Cardioprotection and Regeneration. <i>Current Pharmaceutical Design</i> , 2017, 23, 2592-2615.	0.9	12
101	Autofagia en el sistema cardiovascular: pasado, presente y futuro. <i>Revista Chilena De Cardiología</i> , 2016, 35, 228-241.	0.0	1
102	Remodelado auricular derecho y niveles plasmáticos de Galectina-3 se relacionan con la capacidad funcional de pacientes con hipertensión arterial pulmonar. <i>Revista Chilena De Cardiología</i> , 2016, 35, 19-24.	0.0	0
103	New Molecular Insights of Insulin in Diabetic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2016, 7, 125.	1.3	81
104	Calcium Sensing Receptor as a Novel Mediator of Adipose Tissue Dysfunction: Mechanisms and Potential Clinical Implications. <i>Frontiers in Physiology</i> , 2016, 7, 395.	1.3	29
105	Atrial Function Assessed by Speckle Tracking Echocardiography Is a Good Predictor of Postoperative Atrial Fibrillation in Elderly Patients. <i>Echocardiography</i> , 2016, 33, 242-248.	0.3	24
106	Mitochondrial dynamics, mitophagy and cardiovascular disease. <i>Journal of Physiology</i> , 2016, 594, 509-525.	1.3	441
107	mTORC1 inhibitor rapamycin and ER stressor tunicamycin induce differential patterns of ER-mitochondria coupling. <i>Scientific Reports</i> , 2016, 6, 36394.	1.6	32
108	TonEBP suppresses IL-10-mediated immunomodulation. <i>Scientific Reports</i> , 2016, 6, 25726.	1.6	29

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109	Regulation of cardiomyocyte autophagy by calcium. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E587-E596.	1.8	9
110	Basal autophagy protects cardiomyocytes from doxorubicin-induced toxicity. Toxicology, 2016, 370, 41-48.	2.0	33
111	Autophagy Networks in Cardiovascular Diseases. , 2016, , 297-322.		0
112	Inhibition of class I histone deacetylases blunts cardiac hypertrophy through TSC2-dependent mTOR repression. Science Signaling, 2016, 9, ra34.	1.6	69
113	Therapeutic targeting of autophagy in myocardial infarction and heart failure. Expert Review of Cardiovascular Therapy, 2016, 14, 1007-1019.	0.6	29
114	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
115	FoxO1 mediates TGF-beta1-dependent cardiac myofibroblast differentiation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 128-138.	1.9	58
116	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. Autophagy, 2016, 12, 287-296.	4.3	31
117	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.	1.3	31
118	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.	1.9	19
119	Dexmedetomidine protects the heart against ischemia-reperfusion injury by an endothelial eNOS/NO dependent mechanism. Pharmacological Research, 2016, 103, 318-327.	3.1	69
120	Hyperandrogenism Decreases GRP78 Protein Level and Glucose Uptake in Human Endometrial Stromal Cells. Reproductive Sciences, 2016, 23, 761-770.	1.1	20
121	Dexmedetomidina genera Ã³xido nÃ¡trico mediante un mecanismo independiente de la Ã³xido nÃ¡trico sintasa inducible. Revista Chilena De CardiologÃ­a, 2016, 35, 41-48.	0.0	0
122	Autophagy in cardiovascular biology. Journal of Clinical Investigation, 2015, 125, 55-64.	3.9	294
123	Study protocol for the Maule Cohort (MAUCO) of chronic diseases, Chile 2014-2024. BMC Public Health, 2015, 16, 122.	1.2	35
124	El efecto anti-hipertensivo de Angiotensina-(1-9) es mediado por aumento temprano de la diuresis y natriuresis. Revista Chilena De CardiologÃ­a, 2015, 34, 120-129.	0.0	0
125	Regulation of Cardiovascular Metabolism by Hormones and Growth Factors. International Journal of Endocrinology, 2015, 2015, 1-2.	0.6	0
126	Parkin Gone Wild. Circulation Research, 2015, 117, 311-313.	2.0	3



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127	Defective insulin signaling and mitochondrial dynamics in diabetic cardiomyopathy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1113-1118.	1.9	50
128	Molecular Mechanisms of Autophagy in the Cardiovascular System. <i>Circulation Research</i> , 2015, 116, 456-467.	2.0	234
129	Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015, 34, 1025-1041.	3.5	147
130	Novel players in cardioprotection: Insulin like growth factor-1, angiotensin-(1 <sup>α</sup> 7) and angiotensin-(1 <sup>α</sup> 9). <i>Pharmacological Research</i> , 2015, 101, 41-55.	3.1	21
131	ER-to-mitochondria miscommunication and metabolic diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2096-2105.	1.8	90
132	Role of Akt and Ca <sup>2+</sup> on cell permeabilization via connexin43 hemichannels induced by metabolic inhibition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1268-1277.	1.8	18
133	Polycystin-1 Is a Cardiomyocyte Mechanosensor That Governs L-Type Ca <sup>2+</sup> Channel Protein Stability. <i>Circulation</i> , 2015, 131, 2131-2142.	1.6	71
134	Glutathione Depletion Induces Spermatogonial Cell Autophagy. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2283-2292.	1.2	38
135	FK866 compromises mitochondrial metabolism and adaptive stress responses in cultured cardiomyocytes. <i>Biochemical Pharmacology</i> , 2015, 98, 92-101.	2.0	17
136	ACE2 and vasoactive peptides: novel players in cardiovascular/renal remodeling and hypertension. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2015, 9, 217-237.	1.0	121
137	Novel Nanostructured Polymeric Carriers to Enable Drug Delivery for Cardiovascular Diseases. <i>Current Pharmaceutical Design</i> , 2015, 21, 4276-4284.	0.9	7
138	Alteration in mitochondrial Ca <sup>2+</sup> uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , 2014, 12, 68.	2.7	37
139	Tumor Suppression and Promotion by Autophagy. <i>BioMed Research International</i> , 2014, 2014, 1-15.	0.9	147
140	Ca <sup>2+</sup> signals promote GLUT4 exocytosis and reduce its endocytosis in muscle cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E209-E224.	1.8	37
141	Drp1 Loss-of-function Reduces Cardiomyocyte Oxygen Dependence Protecting the Heart From Ischemia-reperfusion Injury. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 63, 477-487.	0.8	88
142	Recent insights and therapeutic perspectives of angiotensin-(1 <sup>α</sup> 9) in the cardiovascular system. <i>Clinical Science</i> , 2014, 127, 549-557.	1.8	62
143	Angiotensin-(1 <sup>α</sup> 9) reverses experimental hypertension and cardiovascular damage by inhibition of the angiotensin converting enzyme/Ang II axis. <i>Journal of Hypertension</i> , 2014, 32, 771-783.	0.3	83
144	Insulin Stimulates Mitochondrial Fusion and Function in Cardiomyocytes via the Akt-mTOR-NF <sup>κ</sup> B-Opa-1 Signaling Pathway. <i>Diabetes</i> , 2014, 63, 75-88.	0.3	195

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145	Effects of Trimetazidine in Nonischemic Heart Failure: A Randomized Study. <i>Journal of Cardiac Failure</i> , 2014, 20, 149-154.	0.7	20
146	Organelle communication: Signaling crossroads between homeostasis and disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 55-59.	1.2	46
147	Spliced X-Box Binding Protein 1 Couples the Unfolded Protein Response to Hexosamine Biosynthetic Pathway. <i>Cell</i> , 2014, 156, 1179-1192.	13.5	317
148	Insulin elicits a ROS-activated and an IP3-dependent Ca <sup>2+</sup> release; both impinge on GLUT4 translocation. <i>Journal of Cell Science</i> , 2014, 127, 1911-23.	1.2	54
149	New insights into IGF-1 signaling in the heart. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 128-137.	3.1	190
150	Proinflammatory cytokines differentially regulate adipocyte mitochondrial metabolism, oxidative stress, and dynamics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1033-E1045.	1.8	92
151	Serotonin (5-HT) regulates neurite outgrowth through 5-HT <sub>1A</sub> and 5-HT <sub>7</sub> receptors in cultured hippocampal neurons. <i>Journal of Neuroscience Research</i> , 2014, 92, 1000-1009.	1.3	40
152	Mitochondrial fission is required for cardiomyocyte hypertrophy via a Ca <sup>2+</sup> -calcineurin signalling pathway. <i>Journal of Cell Science</i> , 2014, 127, 2659-71.	1.2	140
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