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	The role of autophagy in cardiovascular pathology. Cardiovascular Research, 2022, 118, 934-950.	3.8	34
2	Autophagy in the cardiovascular system. , 2022, , 229-241.		0
3	The integrated stress response in ischemic diseases. Cell Death and Differentiation, 2022, 29, 750-757.	11.2	23
4	Regulation of total LC3 levels by angiotensin II in vascular smooth muscle cells. Journal of Cellular and Molecular Medicine, 2022, , .	3.6	4
5	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
6	Impaired AMP-Activated Protein Kinase Signaling in Heart Failure With Preserved Ejection Fractionâ€“Associated Atrial Fibrillation. Circulation, 2022, 146, 73-76.	1.6	4
7	PKD2/polycystin-2 induces autophagy by forming a complex with BECN1. Autophagy, 2021, 17, 1714-1728.	9.1	21
8	Vaccines against components of the reninâ€“angiotensin system. Heart Failure Reviews, 2021, 26, 711-726.	3.9	9
9	Targeting the Endothelium to Achieve Cardioprotection. Frontiers in Pharmacology, 2021, 12, 636134.	3.5	13
10	Testosterone activates glucose metabolism through AMPK and androgen signaling in cardiomyocyte hypertrophy. Biological Research, 2021, 54, 3.	3.4	17
11	Perspectives on Organelle Interaction, Protein Dysregulation, and Cancer Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 613336.	3.7	18
12	Xbp1s-FoxO1 axis governs lipid accumulation and contractile performance in heart failure with preserved ejection fraction. Nature Communications, 2021, 12, 1684.	12.8	59
13	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
14	NAD ⁺ Repletion Reverses Heart Failure With Preserved Ejection Fraction. Circulation Research, 2021, 128, 1629-1641.	4.5	96
15	Endoplasmic reticulumâ^'mitochondria coupling increases during doxycycline-induced mitochondrial stress in HeLa cells. Cell Death and Disease, 2021, 12, 657.	6.3	16
16	Polycystinâ€1 regulates cardiomyocyte mitophagy. FASEB Journal, 2021, 35, e21796.	0.5	6
17	Polycystin-1 is required for insulin-like growth factor 1-induced cardiomyocyte hypertrophy. PLoS ONE, 2021, 16, e0255452.	2.5	2
18	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

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19	Skeletal muscle typeâ€specific mitochondrial adaptation to highâ€fat diet relies on differential autophagy modulation. FASEB Journal, 2021, 35, e21933.	0.5	3
20	VCAM-1 as a predictor biomarker in cardiovascular disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166170.	3.8	78
21	Novel molecular insights and public omics data in pulmonary hypertension. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166200.	3.8	6
22	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
23	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
24	Novel Insights Into the Pathogenesis of Diabetic Cardiomyopathy and Pharmacological Strategies. Frontiers in Cardiovascular Medicine, 2021, 8, 707336.	2.4	6
25	Emerging role of mitophagy in cardiovascular physiology and pathology. Molecular Aspects of Medicine, 2020, 71, 100822.	6.4	114
26	Counter-regulatory reninâ€“angiotensin system in cardiovascular disease. Nature Reviews Cardiology, 2020, 17, 116-129.	13.7	371
27	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
28	Early left atrial dysfunction is associated with suboptimal cardiovascular health. Echocardiography, 2020, 37, 47-54.	0.9	2
29	Science and Health Policies to Tackle Chronic Diseases in Chile. Trends in Endocrinology and Metabolism, 2020, 31, 67-70.	7.1	11
30	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
31	Calcium-Sensing Receptor in Adipose Tissue: Possible Association with Obesity-Related Elevated Autophagy. International Journal of Molecular Sciences, 2020, 21, 7617.	4.1	10
32	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
33	Epigenetic Reader BRD4 (Bromodomain-Containing Protein 4) Governs Nucleus-Encoded Mitochondrial Transcriptome to Regulate Cardiac Function. Circulation, 2020, 142, 2356-2370.	1.6	47
34	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
35	Role of Autophagy in the Microenvironment of Oral Squamous Cell Carcinoma. Frontiers in Oncology, 2020, 10, 602661.	2.8	21
36	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

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37	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
38	Inhibition of chymotrypsin-like activity of the proteasome by ixazomib prevents mitochondrial dysfunction during myocardial ischemia. PLoS ONE, 2020, 15, e0233591.	2.5	6
39	Cohort Profile: The Maule Cohort (MAUCO). International Journal of Epidemiology, 2020, 49, 760-761i.	1.9	13
40	Is Mitochondrial Dysfunction a Common Root of Noncommunicable Chronic Diseases?. Endocrine Reviews, 2020, 41, .	20.1	76
41	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
42	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
43	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
44	Î²-Hydroxybutyrate Increases Exercise Capacity Associated with Changes in Mitochondrial Function in Skeletal Muscle. Nutrients, 2020, 12, 1930.	4.1	14
45	Increased production of functional small extracellular vesicles in senescent endothelial cells. Journal of Cellular and Molecular Medicine, 2020, 24, 4871-4876.	3.6	32
46	Autophagy Activation in Zebrafish Heart Regeneration. Scientific Reports, 2020, 10, 2191.	3.3	24
47	FoxO1â€“Dio2 signaling axis governs cardiomyocyte thyroid hormone metabolism and hypertrophic growth. Nature Communications, 2020, 11, 2551.	12.8	26
48	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
49	Manipulation of ACE2 expression in COVID-19. Open Heart, 2020, 7, e001424.	2.3	55
50	Antihipertensivos en pacientes con COVID-19. Revista Chilena De CardiologÃa, 2020, 39, 66-74.	0.0	1
51	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
52	Biomarcadores de fibrosis y funciÃ³n ventricular derecha en maratonistas con distinto grado de entrenamiento: estudio en la MaratÃ³n de Santiago. Revista Chilena De CardiologÃa, 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. Cancers, 2019, 11, 1299.	3.7	17
54	Looking back and thinking forwards â€” 15 years of cardiology and cardiovascular research. Nature Reviews Cardiology, 2019, 16, 651-660.	13.7	10

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55	Polycystin-1 Assembles With Kv Channels to Govern Cardiomyocyte Repolarization and Contractility. Circulation, 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. Frontiers in Immunology, 2019, 10, 1136.	4.8	11
57	Polycystin-2 Is Required for Starvation- and Rapamycin-Induced Atrophy in Myotubes. Frontiers in Endocrinology, 2019, 10, 280.	3.5	4
58	GDF-11 prevents cardiomyocyte hypertrophy by maintaining the sarcoplasmic reticulum-mitochondria communication. Pharmacological Research, 2019, 146, 104273.	7.1	20
59	Fibroblast Primary Cilia Are Required for Cardiac Fibrosis. Circulation, 2019, 139, 2342-2357.	1.6	101
60	Nitrosative stress drives heart failure with preserved ejection fraction. Nature, 2019, 568, 351-356.	27.8	492
61	Female Sex Is Protective in a Preclinical Model of Heart Failure With Preserved Ejection Fraction. Circulation, 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. Antioxidants, 2019, 8, 614.	5.1	17
63	Editorial commentary: Cardiometabolic diseases and gut microbiotaâ€“removing the veil. Trends in Cardiovascular Medicine, 2019, 29, 148-149.	4.9	0
64	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
65	Bafilomycin-A1 and ML9 Exert Different Lysosomal Actions to Induce Cell Death. Current Molecular Pharmacology, 2019, 12, 261-271.	1.5	15
66	Enfermedades cardiovasculares y cÃ¡ncer: Â¿dos entidades mutuamente relacionadas?. Revista Chilena De CardiologÃ¤a, 2019, 38, 54-63.	0.0	3
67	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 CardiologÃ¤a, 2019, 38, 225-235.	0.0	2
68	Polycystin-2-dependent control of cardiomyocyte autophagy. Journal of Molecular and Cellular Cardiology, 2018, 118, 110-121.	1.9	32
69	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
70	The STIM1 inhibitor ML9 disrupts basal autophagy in cardiomyocytes by decreasing lysosome content. Toxicology in Vitro, 2018, 48, 121-127.	2.4	7
71	Down Syndrome Critical Region 1 Gene, Rcan1 , Helps Maintain a More Fused Mitochondrial Network. Circulation Research, 2018, 122, e20-e33.	4.5	47
72	Mifepristone enhances insulin-stimulated Akt phosphorylation and glucose uptake in skeletal muscle cells. Molecular and Cellular Endocrinology, 2018, 461, 277-283.	3.2	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 nonâ€diabetic exosomes in vitro. Journal of Cellular and Molecular Medicine, 2018, 22, 141-151.	3.6	82
74	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
75	Nanoparticles for diagnosis and therapy of atherosclerosis and myocardial infarction: evolution toward prospective theranostic approaches. Theranostics, 2018, 8, 4710-4732.	10.0	110
76	Entrenamiento fÃsico de alta intensidad en maratonistas produce mayor remodelado cardÃaco y reduce respuesta de estrÃ©s oxidativo. Revista Chilena De CardiologÃa, 2018, 37, 93-103.	0.0	0
77	Heart Disease and Cancer. Circulation, 2018, 138, 692-695.	1.6	37
78	Endothelial cells release cardioprotective exosomes that may contribute to ischaemic preconditioning. Scientific Reports, 2018, 8, 15885.	3.3	80
79	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
80	Angiotensin-(1-9) reduces cardiovascular and renal inflammation in experimental renin-independent hypertension. Biochemical Pharmacology, 2018, 156, 357-370.	4.4	31
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	Diabetes mellitus tipo 2 y cardiopatÃa isquÃ©mica: fisiopatologÃa, regulaciÃ³n gÃ©nica y futuras opciones terapÃ©uticas. Revista Chilena De CardiologÃa, 2018, 37, 42-54.	0.0	0
83	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
84	Increased active phase atrial contraction is related to marathon runner performance. European Journal of Applied Physiology, 2018, 118, 1931-1939.	2.5	9
85	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
86	Potential adverse cardiac remodelling in highly trained athletes: still unknown clinical significance. European Journal of Sport Science, 2018, 18, 1288-1297.	2.7	7
87	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. Frontiers in Pharmacology, 2018, 9, 1553.	3.5	34
88	Sarcoplasmic reticulumâ€“mitochondria communication in cardiovascular pathophysiology. Nature Reviews Cardiology, 2017, 14, 342-360.	13.7	114
89	Subcellular Remodeling of the T-Tubule Membrane System. Circulation, 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. Journal of Cardiology, 2017, 70, 578-583.	1.9	7

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91	Mitochondria in Structural and Functional Cardiac Remodeling. Advances in Experimental Medicine and Biology, 2017, 982, 277-306.	1.6	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. Scientific Reports, 2017, 7, 13402.	3.3	16
94	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
95	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
96	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
97	Strain auricular izquierdo y biomarcadores cardÃacos como predictores de accidente cerebrovascular en pacientes con fibrilaciÃ³n auricular de reciente comienzo. Revista Chilena De CardiologÃa, 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. Oncotarget, 2017, 8, 55984-55997.	1.8	34
100	Novel Therapies Targeting Cardioprotection and Regeneration. Current Pharmaceutical Design, 2017, 23, 2592-2615.	1.9	12
101	Autofagia en el sistema cardiovascular: pasado, presente y futuro. Revista Chilena De CardiologÃa, 2016, 35, 228-241.	0.0	1
102	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 CardiologÃa, 2016, 35, 19-24.	0.0	0
103	New Molecular Insights of Insulin in Diabetic Cardiomyopathy. Frontiers in Physiology, 2016, 7, 125.	2.8	81
104	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
105	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
106	Mitochondrial dynamics, mitophagy and cardiovascular disease. Journal of Physiology, 2016, 594, 509-525.	2.9	441
107	mTORC1 inhibitor rapamycin and ER stressor tunicamycin induce differential patterns of ER-mitochondria coupling. Scientific Reports, 2016, 6, 36394.	3.3	32
108	TonEBP suppresses IL-10-mediated immunomodulation. Scientific Reports, 2016, 6, 25726.	3.3	29

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109	Regulation of cardiomyocyte autophagy by calcium. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E587-E596.	3.5	9
110	Basal autophagy protects cardiomyocytes from doxorubicin-induced toxicity. Toxicology, 2016, 370, 41-48.	4.2	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.	3.6	69
113	Therapeutic targeting of autophagy in myocardial infarction and heart failure. Expert Review of Cardiovascular Therapy, 2016, 14, 1007-1019.	1.5	29
114	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
115	FoxO1 mediates TGF-beta1-dependent cardiac myofibroblast differentiation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 128-138.	4.1	58
116	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. Autophagy, 2016, 12, 287-296.	9.1	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.	2.9	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.	4.1	19
119	Dexmedetomidine protects the heart against ischemia-reperfusion injury by an endothelial eNOS/NO dependent mechanism. Pharmacological Research, 2016, 103, 318-327.	7.1	69
120	Hyperandrogenism Decreases GRP78 Protein Level and Glucose Uptake in Human Endometrial Stromal Cells. Reproductive Sciences, 2016, 23, 761-770.	2.5	20
121	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
122	Autophagy in cardiovascular biology. Journal of Clinical Investigation, 2015, 125, 55-64.	8.2	294
123	Study protocol for the Maule Cohort (MAUCO) of chronic diseases, Chile 2014â€“2024. BMC Public Health, 2015, 16, 122.	2.9	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.	1.5	0
126	Parkin Gone Wild. Circulation Research, 2015, 117, 311-313.	4.5	3

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127	Defective insulin signaling and mitochondrial dynamics in diabetic cardiomyopathy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1113-1118.	4.1	50
128	Molecular Mechanisms of Autophagy in the Cardiovascular System. Circulation Research, 2015, 116, 456-467.	4.5	234
129	Unsaturated fatty acids induce nonâ€canonical autophagy. EMBO Journal, 2015, 34, 1025-1041.	7.8	147
130	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
131	ER-to-mitochondria miscommunication and metabolic diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2096-2105.	3.8	90
132	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
133	Polycystin-1 Is a Cardiomyocyte Mechanosensor That Governs L-Type Ca ²⁺ Channel Protein Stability. Circulation, 2015, 131, 2131-2142.	1.6	71
134	Glutathione Depletion Induces Spermatogonial Cell Autophagy. Journal of Cellular Biochemistry, 2015, 116, 2283-2292.	2.6	38
135	FK866 compromises mitochondrial metabolism and adaptive stress responses in cultured cardiomyocytes. Biochemical Pharmacology, 2015, 98, 92-101.	4.4	17
136	ACE2 and vasoactive peptides: novel players in cardiovascular/renal remodeling and hypertension. Therapeutic Advances in Cardiovascular Disease, 2015, 9, 217-237.	2.1	121
137	Novel Nanostructured Polymeric Carriers to Enable Drug Delivery for Cardiovascular Diseases. Current Pharmaceutical Design, 2015, 21, 4276-4284.	1.9	7
138	Alteration in mitochondrial Ca2+ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. Cell Communication and Signaling, 2014, 12, 68.	6.5	37
139	Tumor Suppression and Promotion by Autophagy. BioMed Research International, 2014, 2014, 1-15.	1.9	147
140	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
141	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
142	Recent insights and therapeutic perspectives of angiotensin-(1â€“9) in the cardiovascular system. Clinical Science, 2014, 127, 549-557.	4.3	62
143	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
144	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

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145	Effects of Trimetazidine in Nonischemic Heart Failure: A Randomized Study. Journal of Cardiac Failure, 2014, 20, 149-154.	1.7	20
146	Organelle communication: Signaling crossroads between homeostasis and disease. International Journal of Biochemistry and Cell Biology, 2014, 50, 55-59.	2.8	46
147	Spliced X-Box Binding Protein 1 Couples the Unfolded Protein Response to Hexosamine Biosynthetic Pathway. Cell, 2014, 156, 1179-1192.	28.9	317
148	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
149	New insights into IGF-1 signaling in the heart. Trends in Endocrinology and Metabolism, 2014, 25, 128-137.	7.1	190
150	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
151	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
152	Mitochondrial fission is required for cardiomyocyte hypertrophy via a Ca2+-calcineurin signalling pathway. Journal of Cell Science, 2014, 127, 2659-71.	2.0	140
153	Histone Deacetylase Inhibition Blunts Ischemia/Reperfusion Injury by Inducing Cardiomyocyte Autophagy. Circulation, 2014, 129, 1139-1151.	1.6	291
154	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
155	Calcium signaling in insulin action on striated muscle. Cell Calcium, 2014, 56, 390-396.	2.4	40
156	Dexamethasone-induced autophagy mediates muscle atrophy through mitochondrial clearance. Cell Cycle, 2014, 13, 2281-2295.	2.6	89
157	An integrated mechanism of cardiomyocyte nuclear Ca2+ signaling. Journal of Molecular and Cellular Cardiology, 2014, 75, 40-48.	1.9	15
158	Trimetazidine prevents palmitate-induced mitochondrial fission and dysfunction in cultured cardiomyocytes. Biochemical Pharmacology, 2014, 91, 323-336.	4.4	47
159	4-Phenylbutyric acid prevent cytotoxicity induced by thapsigargin in rat cardiac fibroblast. Toxicology in Vitro, 2014, 28, 1443-1448.	2.4	18
160	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
161	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
162	Oxidative Stress and Autophagy in Cardiovascular Homeostasis. Antioxidants and Redox Signaling, 2014, 20, 507-518.	5.4	63

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163	Dissociating angiotensin 1-9 anticardiovascular remodeling effects from those on blood pressure. Journal of Hypertension, 2014, 32, 1719-1721.	0.5	2
164	Alteration in mitochondrial Ca 2+ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. Cell Communication and Signaling, 2014, 12, 68.	6.5	15
165	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
166	Herp depletion protects from protein aggregation by up-regulating autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3295-3305.	4.1	32
167	Regulation of cardiac autophagy by insulinâ€like growth factor 1. IUBMB Life, 2013, 65, 593-601.	3.4	18
168	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
169	Endoplasmic Reticulum and the Unfolded Protein Response. International Review of Cell and Molecular Biology, 2013, 301, 215-290.	3.2	440
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