

Sergio Lavandero

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

308
papers

19,202
citations

61
h-index

132
g-index

346
ext. papers

22,096
ext. citations

6.1
avg, IF

6.22
L-index

#	Paper	IF	Citations
308	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
307	Autophagy in the cardiovascular system 2022 , 229-241		
306	PKD2/polycystin-2 induces autophagy by forming a complex with BECN1. <i>Autophagy</i> , 2021 , 17, 1714-1728	6.2	4
305	The integrated stress response in ischemic diseases. <i>Cell Death and Differentiation</i> , 2021 ,	12.7	5
304	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
303	Xbp1s-FoxO1 axis governs lipid accumulation and contractile performance in heart failure with preserved ejection fraction. <i>Nature Communications</i> , 2021 , 12, 1684	17.4	14
302	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	16.7	7
301	NAD Repletion Reverses Heart Failure With Preserved Ejection Fraction. <i>Circulation Research</i> , 2021 , 128, 1629-1641	15.7	28
300	The role of autophagy in cardiovascular pathology. <i>Cardiovascular Research</i> , 2021 ,	9.9	5
299	Endoplasmic reticulum-mitochondria coupling increases during doxycycline-induced mitochondrial stress in HeLa cells. <i>Cell Death and Disease</i> , 2021 , 12, 657	9.8	3
298	Polycystin-1 regulates cardiomyocyte mitophagy. <i>FASEB Journal</i> , 2021 , 35, e21796	0.9	1
297	Vaccines against components of the renin-angiotensin system. <i>Heart Failure Reviews</i> , 2021 , 26, 711-726	5	5
296	Targeting the Endothelium to Achieve Cardioprotection. <i>Frontiers in Pharmacology</i> , 2021 , 12, 636134	5.6	6
295	Testosterone activates glucose metabolism through AMPK and androgen signaling in cardiomyocyte hypertrophy. <i>Biological Research</i> , 2021 , 54, 3	7.6	7
294	Perspectives on Organelle Interaction, Protein Dysregulation, and Cancer Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 613336	5.7	6
293	Polycystin-1 is required for insulin-like growth factor 1-induced cardiomyocyte hypertrophy. <i>PLoS ONE</i> , 2021 , 16, e0255452	3.7	1
292	Skeletal muscle type-specific mitochondrial adaptation to high-fat diet relies on differential autophagy modulation. <i>FASEB Journal</i> , 2021 , 35, e21933	0.9	0

291	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
290	Novel molecular insights and public omics data in pulmonary hypertension. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166200	6.9	2
289	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	6.9	2
288	Novel Insights Into the Pathogenesis of Diabetic Cardiomyopathy and Pharmacological Strategies.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 707336	5.4	0
287	Role of Autophagy in the Microenvironment of Oral Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020 , 10, 602661	5.3	9
286	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
285	New emerging roles of Polycystin-2 in the regulation of autophagy. <i>International Review of Cell and Molecular Biology</i> , 2020 , 354, 165-186	6	4
284	Inhibition of chymotrypsin-like activity of the proteasome by ixazomib prevents mitochondrial dysfunction during myocardial ischemia. <i>PLoS ONE</i> , 2020 , 15, e0233591	3.7	5
283	Cohort Profile: The Maule Cohort (MAUCO). <i>International Journal of Epidemiology</i> , 2020 , 49, 760-761i	7.8	3
282	Is Mitochondrial Dysfunction a Common Root of Noncommunicable Chronic Diseases?. <i>Endocrine Reviews</i> , 2020 , 41,	27.2	29
281	Role of FoxO3a as a negative regulator of the cardiac myofibroblast conversion induced by TGF- β 1. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118695	4.9	4
280	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
279	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
278	β -Hydroxybutyrate Increases Exercise Capacity Associated with Changes in Mitochondrial Function in Skeletal Muscle. <i>Nutrients</i> , 2020 , 12,	6.7	3
277	Increased production of functional small extracellular vesicles in senescent endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 4871-4876	5.6	19
276	Autophagy Activation in Zebrafish Heart Regeneration. <i>Scientific Reports</i> , 2020 , 10, 2191	4.9	12
275	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	5.6	1
274	Manipulation of ACE2 expression in COVID-19. <i>Open Heart</i> , 2020 , 7,	3	26

273	FoxO1-Dio2 signaling axis governs cardiomyocyte thyroid hormone metabolism and hypertrophic growth. <i>Nature Communications</i> , 2020 , 11, 2551	17.4	15
272	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	6.9	7
271	Early left atrial dysfunction is associated with suboptimal cardiovascular health. <i>Echocardiography</i> , 2020 , 37, 47-54	1.5	
270	Science and Health Policies to Tackle Chronic Diseases in Chile. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 67-70	8.8	7
269	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	5.6	7
268	Calcium-Sensing Receptor in Adipose Tissue: Possible Association with Obesity-Related Elevated Autophagy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
267	Angiotensin-(1-9) prevents vascular remodeling by decreasing vascular smooth muscle cell dedifferentiation through a FoxO1-dependent mechanism. <i>Biochemical Pharmacology</i> , 2020 , 180, 114190	6	2
266	Epigenetic Reader BRD4 (Bromodomain-Containing Protein 4) Governs Nucleus-Encoded Mitochondrial Transcriptome to Regulate Cardiac Function. <i>Circulation</i> , 2020 , 142, 2356-2370	16.7	15
265	Preoperative soluble VCAM-1 contributes to predict late mortality after coronary artery surgery. <i>Clinical Cardiology</i> , 2020 , 43, 1301-1307	3.3	2
264	Emerging role of mitophagy in cardiovascular physiology and pathology. <i>Molecular Aspects of Medicine</i> , 2020 , 71, 100822	16.7	57
263	Counter-regulatory renin-angiotensin system in cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2020 , 17, 116-129	14.8	198
262	Biomarcadores de fibrosis y funci3n ventricular derecha en maratonistas con distinto grado de entrenamiento: estudio en la Marat3n de Santiago. <i>Revista Chilena De Cardiolog3a</i> , 2019 , 38, 37-45	0.3	
261	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
260	Looking back and thinking forwards - 15 years of cardiology and cardiovascular research. <i>Nature Reviews Cardiology</i> , 2019 , 16, 651-660	14.8	7
259	Polycystin-1 Assembles With Kv Channels to Govern Cardiomyocyte Repolarization and Contractility. <i>Circulation</i> , 2019 , 140, 921-936	16.7	15
258	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	8.4	6
257	Polycystin-2 Is Required for Starvation- and Rapamycin-Induced Atrophy in Myotubes. <i>Frontiers in Endocrinology</i> , 2019 , 10, 280	5.7	2
256	GDF-11 prevents cardiomyocyte hypertrophy by maintaining the sarcoplasmic reticulum-mitochondria communication. <i>Pharmacological Research</i> , 2019 , 146, 104273	10.2	16

255	Fibroblast Primary Cilia Are Required for Cardiac Fibrosis. <i>Circulation</i> , 2019 , 139, 2342-2357	16.7	63
254	Nitrosative stress drives heart failure with preserved ejection fraction. <i>Nature</i> , 2019 , 568, 351-356	50.4	242
253	TGF- β 1 induced up-regulation of B1 kinin receptor promotes antifibrotic activity in rat cardiac myofibroblasts. <i>Molecular Biology Reports</i> , 2019 , 46, 5197-5207	2.8	5
252	Bafilomycin-A1 and ML9 Exert Different Lysosomal Actions to Induce Cell Death. <i>Current Molecular Pharmacology</i> , 2019 , 12, 261-271	3.7	2
251	Female Sex Is Protective in a Preclinical Model of Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2019 , 140, 1769-1771	16.7	21
250	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,	7.1	8
249	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	12.7	30
248	Angiotensin II-Regulated Autophagy Is Required for Vascular Smooth Muscle Cell Hypertrophy. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1553	5.6	24
247	Polycystin-2-dependent control of cardiomyocyte autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 118, 110-121	5.8	17
246	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
245	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
244	Down Syndrome Critical Region 1 Gene, , Helps Maintain a More Fused Mitochondrial Network. <i>Circulation Research</i> , 2018 , 122, e20-e33	15.7	32
243	Mifepristone enhances insulin-stimulated Akt phosphorylation and glucose uptake in skeletal muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2018 , 461, 277-283	4.4	8
242	Cardioprotection mediated by exosomes is impaired in the setting of type II diabetes but can be rescued by the use of non-diabetic exosomes in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 141-151	5.6	62
241	Diabetes mellitus tipo 2 y cardiopatía isquémica: fisiopatología, regulación génica y futuras opciones terapéuticas. <i>Revista Chilena De Cardiología</i> , 2018 , 37, 42-54	0.3	
240	Protection of the myocardium against ischemia/reperfusion injury by angiotensin-(1-9) through an ATR and Akt-dependent mechanism. <i>Pharmacological Research</i> , 2018 , 135, 112-121	10.2	17
239	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
238	Autophagy mediates calcium-sensing receptor-induced TNF α production in human preadipocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3585-3594	6.9	8

237	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
236	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
235	Nanoparticles for diagnosis and therapy of atherosclerosis and myocardial infarction: evolution toward prospective theranostic approaches. <i>Theranostics</i> , 2018 , 8, 4710-4732	12.1	73
234	Entrenamiento físico 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	0.3	
233	Endothelial cells release cardioprotective exosomes that may contribute to ischaemic preconditioning. <i>Scientific Reports</i> , 2018 , 8, 15885	4.9	59
232	IP 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	6.9	15
231	Angiotensin-(1-9) reduces cardiovascular and renal inflammation in experimental renin-independent hypertension. <i>Biochemical Pharmacology</i> , 2018 , 156, 357-370	6	19
230	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
229	Sarcoplasmic reticulum-mitochondria communication in cardiovascular pathophysiology. <i>Nature Reviews Cardiology</i> , 2017 , 14, 342-360	14.8	80
228	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
227	Mitochondria in Structural and Functional Cardiac Remodeling. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 982, 277-306	3.6	36
226	Calcium Transport and Signaling in Mitochondria. <i>Comprehensive Physiology</i> , 2017 , 7, 623-634	7.7	92
225	Herpud1 negatively regulates pathological cardiac hypertrophy by inducing IP3 receptor degradation. <i>Scientific Reports</i> , 2017 , 7, 13402	4.9	9
224	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	0.3	
223	Calcium in Obesity and Related Diseases 2017 , 35-44		
222	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
221	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
220	Ca/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	5.6	13

219	Hyperosmotic stress stimulates autophagy via polycystin-2. <i>Oncotarget</i> , 2017 , 8, 55984-55997	3.3	19
218	Novel Therapies Targeting Cardioprotection and Regeneration. <i>Current Pharmaceutical Design</i> , 2017 , 23, 2592-2615	3.3	12
217	Autophagy Networks in Cardiovascular Diseases 2016 , 297-322		
216	Inhibition of class I histone deacetylases blunts cardiac hypertrophy through TSC2-dependent mTOR repression. <i>Science Signaling</i> , 2016 , 9, ra34	8.8	53
215	Therapeutic targeting of autophagy in myocardial infarction and heart failure. <i>Expert Review of Cardiovascular Therapy</i> , 2016 , 14, 1007-19	2.5	25
214	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
213	FoxO1 mediates TGF-beta1-dependent cardiac myofibroblast differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 128-38	4.9	47
212	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. <i>Autophagy</i> , 2016 , 12, 287-96	10.2	26
211	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
210	Rapamycin requires AMPK activity and p27 expression for promoting autophagy-dependent Tsc2-null cell survival. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 1200-7	4.9	17
209	Dexmedetomidine protects the heart against ischemia-reperfusion injury by an endothelial eNOS/NO dependent mechanism. <i>Pharmacological Research</i> , 2016 , 103, 318-27	10.2	48
208	Hyperandrogenism Decreases GRP78 Protein Level and Glucose Uptake in Human Endometrial Stromal Cells. <i>Reproductive Sciences</i> , 2016 , 23, 761-70	3	15
207	Study protocol for the Maule Cohort (MAUCO) of chronic diseases, Chile 2014-2024. <i>BMC Public Health</i> , 2016 , 16, 122	4.1	19
206	Autofagia en el sistema cardiovascular: pasado, presente y futuro. <i>Revista Chilena De Cardiología</i> , 2016 , 35, 228-241	0.3	1
205	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	0.3	
204	New Molecular Insights of Insulin in Diabetic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2016 , 7, 125	4.6	59
203	Calcium Sensing Receptor as a Novel Mediator of Adipose Tissue Dysfunction: Mechanisms and Potential Clinical Implications. <i>Frontiers in Physiology</i> , 2016 , 7, 395	4.6	19
202	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

201	Mitochondrial dynamics, mitophagy and cardiovascular disease. <i>Journal of Physiology</i> , 2016 , 594, 509-253	3.9	269
200	mTORC1 inhibitor rapamycin and ER stressor tunicamycin induce differential patterns of ER-mitochondria coupling. <i>Scientific Reports</i> , 2016 , 6, 36394	4.9	25
199	TonEBP suppresses IL-10-mediated immunomodulation. <i>Scientific Reports</i> , 2016 , 6, 25726	4.9	17
198	Regulation of cardiomyocyte autophagy by calcium. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E587-E596	6	7
197	Basal autophagy protects cardiomyocytes from doxorubicin-induced toxicity. <i>Toxicology</i> , 2016 , 370, 41-48	4.4	26
196	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
195	ER-to-mitochondria miscommunication and metabolic diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 2096-105	6.9	68
194	Role of Akt and Ca ²⁺ on cell permeabilization via connexin43 hemichannels induced by metabolic inhibition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 1268-77	6.9	12
193	Polycystin-1 Is a Cardiomyocyte Mechanosensor That Governs L-Type Ca ²⁺ Channel Protein Stability. <i>Circulation</i> , 2015 , 131, 2131-42	16.7	56
192	Glutathione Depletion Induces Spermatogonial Cell Autophagy. <i>Journal of Cellular Biochemistry</i> , 2015 , 116, 2283-92	4.7	24
191	FK866 compromises mitochondrial metabolism and adaptive stress responses in cultured cardiomyocytes. <i>Biochemical Pharmacology</i> , 2015 , 98, 92-101	6	16
190	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
189	Autophagy in cardiovascular biology. <i>Journal of Clinical Investigation</i> , 2015 , 125, 55-64	15.9	209
188	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	
187	Regulation of Cardiovascular Metabolism by Hormones and Growth Factors. <i>International Journal of Endocrinology</i> , 2015 , 2015, 842351	2.7	
186	Defective insulin signaling and mitochondrial dynamics in diabetic cardiomyopathy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 1113-8	4.9	42
185	Molecular mechanisms of autophagy in the cardiovascular system. <i>Circulation Research</i> , 2015 , 116, 456-67	5.7	176
184	Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015 , 34, 1025-41	13	126

183	Novel Nanostructured Polymeric Carriers to Enable Drug Delivery for Cardiovascular Diseases. <i>Current Pharmaceutical Design</i> , 2015 , 21, 4276-84	3.3	6
182	Effects of trimetazidine in nonischemic heart failure: a randomized study. <i>Journal of Cardiac Failure</i> , 2014 , 20, 149-54	3.3	13
181	Organelle communication: signaling crossroads between homeostasis and disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 50, 55-9	5.6	35
180	Spliced X-box binding protein 1 couples the unfolded protein response to hexosamine biosynthetic pathway. <i>Cell</i> , 2014 , 156, 1179-1192	56.2	246
179	Insulin elicits a ROS-activated and an IPEdependent Ca ²⁺ release, which both impinge on GLUT4 translocation. <i>Journal of Cell Science</i> , 2014 , 127, 1911-23	5.3	40
178	New insights into IGF-1 signaling in the heart. <i>Trends in Endocrinology and Metabolism</i> , 2014 , 25, 128-37	8.8	142
177	Proinflammatory cytokines differentially regulate adipocyte mitochondrial metabolism, oxidative stress, and dynamics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E1033-45	6	73
176	Serotonin (5-HT) regulates neurite outgrowth through 5-HT1A and 5-HT7 receptors in cultured hippocampal neurons. <i>Journal of Neuroscience Research</i> , 2014 , 92, 1000-9	4.4	29
175	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
174	Histone deacetylase inhibition blunts ischemia/reperfusion injury by inducing cardiomyocyte autophagy. <i>Circulation</i> , 2014 , 129, 1139-51	16.7	233
173	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
172	Calcium signaling in insulin action on striated muscle. <i>Cell Calcium</i> , 2014 , 56, 390-6	4	29
171	Dexamethasone-induced autophagy mediates muscle atrophy through mitochondrial clearance. <i>Cell Cycle</i> , 2014 , 13, 2281-95	4.7	66
170	An integrated mechanism of cardiomyocyte nuclear Ca(2+) signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 40-8	5.8	14
169	Trimetazidine prevents palmitate-induced mitochondrial fission and dysfunction in cultured cardiomyocytes. <i>Biochemical Pharmacology</i> , 2014 , 91, 323-36	6	38
168	4-Phenylbutyric acid prevent cytotoxicity induced by thapsigargin in rat cardiac fibroblast. <i>Toxicology in Vitro</i> , 2014 , 28, 1443-8	3.6	16
167	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
166	A novel dihydropyridine with 3-aryl meta-hydroxyl substitution blocks L-type calcium channels in rat cardiomyocytes. <i>Toxicology and Applied Pharmacology</i> , 2014 , 279, 53-62	4.6	5

165	Oxidative stress and autophagy in cardiovascular homeostasis. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 507-18	8.4	52
164	Reply: dissociating angiotensin 1-9 anticonvulsant remodeling effects from those on blood pressure. <i>Journal of Hypertension</i> , 2014 , 32, 1719-21	1.9	2
163	Alteration in mitochondrial Ca(2+) uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , 2014 , 12, 68	7.5	27
162	Tumor suppression and promotion by autophagy. <i>BioMed Research International</i> , 2014 , 2014, 603980	3	118
161	Ca ²⁺ signals promote GLUT4 exocytosis and reduce its endocytosis in muscle cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E209-24	6	28
160	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
159	Recent insights and therapeutic perspectives of angiotensin-(1-9) in the cardiovascular system. <i>Clinical Science</i> , 2014 , 127, 549-57	6.5	54
158	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
157	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
156	Alteration in mitochondrial Ca ²⁺ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , 2014 , 12, 68	7.5	15
155	TGF- β 1 prevents simulated ischemia/reperfusion-induced cardiac fibroblast apoptosis by activation of both canonical and non-canonical signaling pathways. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 754-62	6.9	40
154	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
153	Regulation of cardiac autophagy by insulin-like growth factor 1. <i>IUBMB Life</i> , 2013 , 65, 593-601	4.7	15
152	Electrical stimuli release ATP to increase GLUT4 translocation and glucose uptake via PI3K/Akt-AS160 in skeletal muscle cells. <i>Diabetes</i> , 2013 , 62, 1519-26	0.9	81
151	Endoplasmic reticulum and the unfolded protein response: dynamics and metabolic integration. <i>International Review of Cell and Molecular Biology</i> , 2013 , 301, 215-90	6	342
150	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
149	Diabetic cardiomyopathy and metabolic remodeling of the heart. <i>Life Sciences</i> , 2013 , 92, 609-15	6.8	57
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