

Rodrigo Troncoso

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

7,470
citations

218677

26
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

17956
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Increased ER-mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. <i>Journal of Cell Science</i> , 2011, 124, 2143-2152.	2.0	483
3	Insulin Stimulates Mitochondrial Fusion and Function in Cardiomyocytes via the Akt-mTOR-NF- κ B-Opa-1 Signaling Pathway. <i>Diabetes</i> , 2014, 63, 75-88.	0.6	195
4	New insights into IGF-1 signaling in the heart. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 128-137.	7.1	190
5	Cardiovascular autophagy. <i>Autophagy</i> , 2013, 9, 1455-1466.	9.1	162
6	Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015, 34, 1025-1041.	7.8	147
7	Energy-preserving effects of IGF-1 antagonize starvation-induced cardiac autophagy. <i>Cardiovascular Research</i> , 2012, 93, 320-329.	3.8	124
8	Beta2-adrenergic receptor regulates cardiac fibroblast autophagy and collagen degradation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 23-31.	3.8	116
9	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, 509-518.	3.8	102
10	Attenuation of endoplasmic reticulum stress using the chemical chaperone 4-phenylbutyric acid prevents cardiac fibrosis induced by isoproterenol. <i>Experimental and Molecular Pathology</i> , 2012, 92, 97-104.	2.1	102
11	Dexamethasone-induced autophagy mediates muscle atrophy through mitochondrial clearance. <i>Cell Cycle</i> , 2014, 13, 2281-2295.	2.6	89
12	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.	1.9	88
13	Glucocorticoid resistance in chronic diseases. <i>Steroids</i> , 2016, 115, 182-192.	1.8	85
14	Mitochondria, Myocardial Remodeling, and Cardiovascular Disease. <i>Current Hypertension Reports</i> , 2012, 14, 532-539.	3.5	61
15	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.	2.9	61
16	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.	3.5	49
17	Organelle communication: Signaling crossroads between homeostasis and disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 55-59.	2.8	46
18	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, 526-534.	2.9	39

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19	Palmitic Acid Reduces the Autophagic Flux and Insulin Sensitivity Through the Activation of the Free Fatty Acid Receptor 1 (FFAR1) in the Hypothalamic Neuronal Cell Line N43/5. <i>Frontiers in Endocrinology</i> , 2019, 10, 176.	3.5	38
20	Calcium and mitochondrial metabolism in ceramide-induced cardiomyocyte death. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1334-1344.	3.8	37
21	Alteration in mitochondrial Ca ²⁺ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , 2014, 12, 68.	6.5	37
22	Hyperosmotic stress-dependent NF κ B activation is regulated by reactive oxygen species and IGF-1 in cultured cardiomyocytes. <i>FEBS Letters</i> , 2006, 580, 4495-4500.	2.8	34
23	Hyperosmotic stress stimulates autophagy via polycystin-2. <i>Oncotarget</i> , 2017, 8, 55984-55997.	1.8	34
24	Trypanosoma cruzi calreticulin: A possible role in Chagas's disease autoimmunity. <i>Molecular Immunology</i> , 2009, 46, 1092-1099.	2.2	33
25	Basal autophagy protects cardiomyocytes from doxorubicin-induced toxicity. <i>Toxicology</i> , 2016, 370, 41-48.	4.2	33
26	Herp depletion protects from protein aggregation by up-regulating autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3295-3305.	4.1	32
27	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, 206-218.	2.9	31
28	Differential Effects of Oleic and Palmitic Acids on Lipid Droplet-Mitochondria Interaction in the Hepatic Cell Line HepG2. <i>Frontiers in Nutrition</i> , 2021, 8, 775382.	3.7	31
29	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.	2.4	29
30	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.	0.9	24
31	Metabolic Syndrome and Antipsychotics: The Role of Mitochondrial Fission/Fusion Imbalance. <i>Frontiers in Endocrinology</i> , 2018, 9, 144.	3.5	24
32	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, 374-378.	2.5	22
33	Mifepristone enhances insulin-stimulated Akt phosphorylation and glucose uptake in skeletal muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2018, 461, 277-283.	3.2	20
34	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.	1.7	18
35	Regulation of cardiac autophagy by insulin-like growth factor 1. <i>IUBMB Life</i> , 2013, 65, 593-601.	3.4	18
36	FK866 compromises mitochondrial metabolism and adaptive stress responses in cultured cardiomyocytes. <i>Biochemical Pharmacology</i> , 2015, 98, 92-101.	4.4	17

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37	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, 569-576.	2.0	15
38	Alteration in mitochondrial Ca ²⁺ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , 2014, 12, 68.	6.5	15
39	Î ² -Hydroxybutyrate Increases Exercise Capacity Associated with Changes in Mitochondrial Function in Skeletal Muscle. <i>Nutrients</i> , 2020, 12, 1930.	4.1	14
40	Herpud1 impacts insulin-dependent glucose uptake in skeletal muscle cells by controlling the Ca ²⁺ -calcineurin-Akt axis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1653-1662.	3.8	13
41	Mifepristone for Treatment of Metabolic Syndrome: Beyond Cushing's Syndrome. <i>Frontiers in Pharmacology</i> , 2020, 11, 429.	3.5	12
42	Effects of Carvedilol Upon Intra- and Interventricular Synchrony in Patients With Chronic Heart Failure. <i>American Journal of Cardiology</i> , 2005, 96, 267-269.	1.6	11
43	Exercise regulation of hepatic lipid droplet metabolism. <i>Life Sciences</i> , 2022, 298, 120522.	4.3	10
44	Regulation of cardiomyocyte autophagy by calcium. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E587-E596.	3.5	9
45	Moderate Aerobic Exercise Training Prevents the Augmented Hepatic Glucocorticoid Response Induced by High-Fat Diet in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7582.	4.1	5
46	Polycystin-2 Is Required for Starvation- and Rapamycin-Induced Atrophy in Myotubes. <i>Frontiers in Endocrinology</i> , 2019, 10, 280.	3.5	4
47	Early left atrial dysfunction is associated with suboptimal cardiovascular health. <i>Echocardiography</i> , 2020, 37, 47-54.	0.9	2
48	Glucocorticoid Receptor Î ² Overexpression Has Agonist-Independent Insulin-Mimetic Effects on HepG2 Glucose Metabolism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5582.	4.1	2
49	Anthocyanins from <i>Aristotelia chilensis</i> Prevent Olanzapine-Induced Hepatic-Lipid Accumulation but Not Insulin Resistance in Skeletal Muscle Cells. <i>Molecules</i> , 2021, 26, 6149.	3.8	1
50	Autophagy in the Onset of Atrial Fibrillation. , 2015, , 193-201.		0
51	Autophagy Networks in Cardiovascular Diseases. , 2016, , 297-322.		0
52	Hydrogen sulfide disrupts insulin-induced glucose uptake in L6 skeletal muscle cells. <i>Food and Chemical Toxicology</i> , 2022, , 113083.	3.6	0