Valentina M Parra

List of Publications by Year
in descending order

57	4,251	147801	144013
papers	citations	31 h-index	57 g-index

59	59	59	7095
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Increased ERâ€“mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. Journal of Cell Science, 2011, 124, 2143-2152.	2.0	483
2	Mitochondrial dynamics, mitophagy and cardiovascular disease. Journal of Physiology, 2016, 594, 509-525.	2.9	441
3	Endoplasmic Reticulum and the Unfolded Protein Response. International Review of Cell and Molecular Biology, 2013, 301, 215-290.	3.2	440
4	Changes in mitochondrial dynamics during ceramide-induced cardiomyocyte early apoptosis. Cardiovascular Research, 2008, 77, 387-397.	3.8	212
5	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
6	Calcium Transport and Signaling in Mitochondria. , 2017, 7, 623-634.		168
7	Endoplasmic reticulum: ER stress regulates mitochondrial bioenergetics. International Journal of Biochemistry and Cell Biology, 2012, 44, 16-20.	2.8	162
8	Mitochondrial fission is required for cardiomyocyte hypertrophy via a Ca2+-calcineurin signalling pathway. Journal of Cell Science, 2014, 127, 2659-71.	2.0	140
9	Testosterone Induces an Intracellular Calcium Increase by a Nongenomic Mechanism in Cultured Rat Cardiac Myocytes. Endocrinology, 2006, 147, 1386-1395.	2.8	130
10	Energy-preserving effects of IGF-1 antagonize starvation-induced cardiac autophagy. Cardiovascular Research, 2012, 93, 320-329.	3.8	124
11	Emerging role of mitophagy in cardiovascular physiology and pathology. Molecular Aspects of Medicine, 2020, 71, 100822.	6.4	114
12	Glucose deprivation causes oxidative stress and stimulates aggresome formation and autophagy in cultured cardiac myocytes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 509-518.	3.8	102
13	Dexamethasone-induced autophagy mediates muscle atrophy through mitochondrial clearance. Cell Cycle, 2014, 13, 2281-2295.	2.6	89
14	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
15	Calcineurin signaling in the heart: The importance of time and place. Journal of Molecular and Cellular Cardiology, 2017, 103, 121-136.	1.9	81
16	Endolysosomal twoâ€pore channels regulate autophagy in cardiomyocytes. Journal of Physiology, 2016, 594, 3061-3077.	2.9	70
17	The complex interplay between mitochondrial dynamics and cardiac metabolism. Journal of Bioenergetics and Biomembranes, 2011, 43, 47-51.	2.3	59
18	Mitochondrial Dynamics: a Potential New Therapeutic Target for Heart Failure. Revista Espanola De Cardiologia (English Ed), 2011, 64, 916-923.	0.6	51

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19	Defective insulin signaling and mitochondrial dynamics in diabetic cardiomyopathy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1113-1118.	4.1	50
20	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
21	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
22	Down syndrome and Alzheimer's disease: common molecular traits beyond the amyloid precursor protein. Aging, 2020, 12, 1011-1033.	3.1	48
23	An Inositol 1,4,5-Triphosphate (IP3)-IP3 Receptor Pathway Is Required for Insulin-Stimulated Glucose Transporter 4 Translocation and Glucose Uptake in Cardiomyocytes. Endocrinology, 2010, 151, 4665-4677.	2.8	47
24	Trimetazidine prevents palmitate-induced mitochondrial fission and dysfunction in cultured cardiomyocytes. Biochemical Pharmacology, 2014, 91, 323-336.	4.4	47
25	Down Syndrome Critical Region 1 Gene, Rcan1 , Helps Maintain a More Fused Mitochondrial Network. Circulation Research, 2018, 122, e20-e33.	4.5	47
26	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
27	Mitochondria fine-tune the slow Ca2+ transients induced by electrical stimulation of skeletal myotubes. Cell Calcium, 2010, 48, 358-370.	2.4	42
28	Iron induces protection and necrosis in cultured cardiomyocytes: Role of reactive oxygen species and nitric oxide. Free Radical Biology and Medicine, 2010, 48, 526-534.	2.9	39
29	Calcium and mitochondrial metabolism in ceramide-induced cardiomyocyte death. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1334-1344.	3.8	37
30	Alteration in mitochondrial Ca2+ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. Cell Communication and Signaling, 2014, 12, 68.	6.5	37
31	Calcineurin and its regulator, RCAN1, confer time-of-day changes in susceptibility of the heart to ischemia/reperfusion. Journal of Molecular and Cellular Cardiology, 2014, 74, 103-111.	1.9	37
32	A BAX/BAK and Cyclophilin D-Independent Intrinsic Apoptosis Pathway. PLoS ONE, 2012, 7, e37782.	2.5	33
33	mTORC1 inhibitor rapamycin and ER stressor tunicamycin induce differential patterns of ER-mitochondria coupling. Scientific Reports, 2016, 6, 36394.	3.3	32
34	Polycystin-2-dependent control of cardiomyocyte autophagy. Journal of Molecular and Cellular Cardiology, 2018, 118, 110-121.	1.9	32
35	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. Autophagy, 2016, 12, 287-296.	9.1	31
36	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

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37	Differential Effects of Oleic and Palmitic Acids on Lipid Droplet-Mitochondria Interaction in the Hepatic Cell Line HepG2. Frontiers in Nutrition, 2021, 8, 775382.	3.7	31
38	Increased ERâ€“mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. Journal of Cell Science, 2011, 124, 2511-2511.	2.0	30
39	Regulator of Calcineurin 1 helps coordinate wholeâ€body metabolism and thermogenesis. EMBO Reports, 2018, 19, .	4.5	30
40	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
41	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
42	Parallel activation of Ca2+-induced survival and death pathways in cardiomyocytes by sorbitol-induced hyperosmotic stress. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 887-903.	4.9	27
43	FK866 compromises mitochondrial metabolism and adaptive stress responses in cultured cardiomyocytes. Biochemical Pharmacology, 2015, 98, 92-101.	4.4	17
44	Mitochondrial function, dynamics and quality control in the pathophysiology of HFpEF. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166208.	3.8	17
45	Hyperosmotic stress activates p65/RelB NFÎºB in cultured cardiomyocytes with dichotomic actions on caspase activation and cell death. FEBS Letters, 2006, 580, 3469-3476.	2.8	15
46	Alteration in mitochondrial Ca 2+ uptake disrupts insulin signaling in hypertrophic cardiomyocytes. Cell Communication and Signaling, 2014, 12, 68.	6.5	15
47	Regulatory volume decrease in cardiomyocytes is modulated by calcium influx and reactive oxygen species. FEBS Letters, 2009, 583, 3485-3492.	2.8	9
48	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
49	The STIM1 inhibitor ML9 disrupts basal autophagy in cardiomyocytes by decreasing lysosome content. Toxicology in Vitro, 2018, 48, 121-127.	2.4	7
50	Editorial: Mitochondrial Remodeling and Dynamic Inter-Organellar Contacts in Cardiovascular Physiopathology. Frontiers in Cell and Developmental Biology, 2021, 9, 679725.	3.7	6
51	Polycystinâ€1 regulates cardiomyocyte mitophagy. FASEB Journal, 2021, 35, e21796.	0.5	6
52	New Molecular and Organelle Alterations Linked to Down Syndrome Heart Disease. Frontiers in Genetics, 2021, 12, 792231.	2.3	6
53	Miro1 as a novel regulator of hypertrophy in neonatal rat cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2020, 141, 65-69.	1.9	5
54	Polycystin-2 Is Required for Starvation- and Rapamycin-Induced Atrophy in Myotubes. Frontiers in Endocrinology, 2019, 10, 280.	3.5	4

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55	Palmitic and Stearic Acids Inhibit Chaperone-Mediated Autophagy (CMA) in POMC-like Neurons In Vitro. Cells, 2022, 11, 920.	4.1	2
56	Neuronal Rubicon Represses Extracellular APP/Amyloid Î² Deposition in Alzheimerâ€™s Disease. Cells, 2022, 11, 1860.	4.1	2
57	Abstract 281: The Calcineurin/Rcan1 Axis Influences Mitochondrial Dynamics, Metabolism, and Biogenesis. Circulation Research, 2018, 123, .	4.5	0