

# Valentina M Parra

## List of Publications by Citations

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52  
papers

3,080  
citations

27  
h-index

55  
g-index

59  
ext. papers

3,702  
ext. citations

6  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
52	Increased ER-mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 2143-52	5.3	367
51	Endoplasmic reticulum and the unfolded protein response: dynamics and metabolic integration. <i>International Review of Cell and Molecular Biology</i> , <b>2013</b> , 301, 215-90	6	342
50	Mitochondrial dynamics, mitophagy and cardiovascular disease. <i>Journal of Physiology</i> , <b>2016</b> , 594, 509-25	3.9	269
49	Changes in mitochondrial dynamics during ceramide-induced cardiomyocyte early apoptosis. <i>Cardiovascular Research</i> , <b>2008</b> , 77, 387-97	9.9	188
48	Insulin stimulates mitochondrial fusion and function in cardiomyocytes via the Akt-mTOR-NFB-Opa-1 signaling pathway. <i>Diabetes</i> , <b>2014</b> , 63, 75-88	0.9	146
47	Endoplasmic reticulum: ER stress regulates mitochondrial bioenergetics. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2012</b> , 44, 16-20	5.6	129
46	Testosterone induces an intracellular calcium increase by a nongenomic mechanism in cultured rat cardiac myocytes. <i>Endocrinology</i> , <b>2006</b> , 147, 1386-95	4.8	116
45	Mitochondrial fission is required for cardiomyocyte hypertrophy mediated by a Ca <sup>2+</sup> -calcineurin signaling pathway. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 2659-71	5.3	113
44	Energy-preserving effects of IGF-1 antagonize starvation-induced cardiac autophagy. <i>Cardiovascular Research</i> , <b>2012</b> , 93, 320-9	9.9	102
43	Calcium Transport and Signaling in Mitochondria. <i>Comprehensive Physiology</i> , <b>2017</b> , 7, 623-634	7.7	92
42	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> , <b>2010</b> , 1802, 509-18	6.9	88
41	Drp1 loss-of-function reduces cardiomyocyte oxygen dependence protecting the heart from ischemia-reperfusion injury. <i>Journal of Cardiovascular Pharmacology</i> , <b>2014</b> , 63, 477-87	3.1	82
40	Dexamethasone-induced autophagy mediates muscle atrophy through mitochondrial clearance. <i>Cell Cycle</i> , <b>2014</b> , 13, 2281-95	4.7	66
39	Emerging role of mitophagy in cardiovascular physiology and pathology. <i>Molecular Aspects of Medicine</i> , <b>2020</b> , 71, 100822	16.7	57
38	Calcineurin signaling in the heart: The importance of time and place. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2017</b> , 103, 121-136	5.8	53
37	The complex interplay between mitochondrial dynamics and cardiac metabolism. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2011</b> , 43, 47-51	3.7	48
36	Endolysosomal two-pore channels regulate autophagy in cardiomyocytes. <i>Journal of Physiology</i> , <b>2016</b> , 594, 3061-77	3.9	46

35	Defective insulin signaling and mitochondrial dynamics in diabetic cardiomyopathy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 1113-8	4.9	42
34	Mitochondrial fragmentation impairs insulin-dependent glucose uptake by modulating Akt activity through mitochondrial Ca <sup>2+</sup> uptake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E1-E13	6	40
33	An inositol 1,4,5-triphosphate (IP <sub>3</sub> )-IP <sub>3</sub> receptor pathway is required for insulin-stimulated glucose transporter 4 translocation and glucose uptake in cardiomyocytes. <i>Endocrinology</i> , <b>2010</b> , 151, 4665-77	4.8	39
32	Trimetazidine prevents palmitate-induced mitochondrial fission and dysfunction in cultured cardiomyocytes. <i>Biochemical Pharmacology</i> , <b>2014</b> , 91, 323-36	6	38
31	Iron induces protection and necrosis in cultured cardiomyocytes: Role of reactive oxygen species and nitric oxide. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 526-34	7.8	35
30	Down Syndrome Critical Region 1 Gene, , Helps Maintain a More Fused Mitochondrial Network. <i>Circulation Research</i> , <b>2018</b> , 122, e20-e33	15.7	32
29	Calcium and mitochondrial metabolism in ceramide-induced cardiomyocyte death. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2013</b> , 1832, 1334-44	6.9	31
28	A BAX/BAK and cyclophilin D-independent intrinsic apoptosis pathway. <i>PLoS ONE</i> , <b>2012</b> , 7, e37782	3.7	30
27	Caveolin-1 impairs PKA-DRP1-mediated remodelling of ER-mitochondria communication during the early phase of ER stress. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 1195-1212	12.7	30
26	Alteration in mitochondrial Ca(2+) uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , <b>2014</b> , 12, 68	7.5	27
25	Mitochondria fine-tune the slow Ca(2+) transients induced by electrical stimulation of skeletal myotubes. <i>Cell Calcium</i> , <b>2010</b> , 48, 358-70	4	27
24	BAG3 regulates total MAP1LC3B protein levels through a translational but not transcriptional mechanism. <i>Autophagy</i> , <b>2016</b> , 12, 287-96	10.2	26
23	Calcineurin and its regulator, RCAN1, confer time-of-day changes in susceptibility of the heart to ischemia/reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 74, 103-11	5.8	26
22	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> , <b>2017</b> , 1863, 2891-2903	6.9	25
21	Down syndrome and Alzheimer's disease: common molecular traits beyond the amyloid precursor protein. <i>Aging</i> , <b>2020</b> , 12, 1011-1033	5.6	25
20	mTORC1 inhibitor rapamycin and ER stressor tunicamycin induce differential patterns of ER-mitochondria coupling. <i>Scientific Reports</i> , <b>2016</b> , 6, 36394	4.9	25
19	Parallel activation of Ca(2+)-induced survival and death pathways in cardiomyocytes by sorbitol-induced hyperosmotic stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2010</b> , 15, 887-903	5.4	23
18	Increased ER-mitochondria coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 2511-2511	5.3	22

17	HERPUD1 protects against oxidative stress-induced apoptosis through downregulation of the inositol 1,4,5-trisphosphate receptor. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 90, 206-18	7.8	21
16	Regulator of Calcineurin 1 helps coordinate whole-body metabolism and thermogenesis. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	21
15	Polycystin-2-dependent control of cardiomyocyte autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2018</b> , 118, 110-121	5.8	17
14	FK866 compromises mitochondrial metabolism and adaptive stress responses in cultured cardiomyocytes. <i>Biochemical Pharmacology</i> , <b>2015</b> , 98, 92-101	6	16
13	Angiotensin-(1-9) prevents cardiomyocyte hypertrophy by controlling mitochondrial dynamics via miR-129-3p/PKIA pathway. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 2586-2604	12.7	15
12	Alteration in mitochondrial Ca <sup>2+</sup> uptake disrupts insulin signaling in hypertrophic cardiomyocytes. <i>Cell Communication and Signaling</i> , <b>2014</b> , 12, 68	7.5	15
11	Hyperosmotic stress activates p65/RelB NFκB in cultured cardiomyocytes with dichotomic actions on caspase activation and cell death. <i>FEBS Letters</i> , <b>2006</b> , 580, 3469-76	3.8	13
10	Sarcoplasmic reticulum and calcium signaling in muscle cells: Homeostasis and disease. <i>International Review of Cell and Molecular Biology</i> , <b>2020</b> , 350, 197-264	6	12
9	Mitochondrial Dynamics: a Potential New Therapeutic Target for Heart Failure. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2011</b> , 64, 916-923	0.7	8
8	Regulatory volume decrease in cardiomyocytes is modulated by calcium influx and reactive oxygen species. <i>FEBS Letters</i> , <b>2009</b> , 583, 3485-92	3.8	7
7	The STIM1 inhibitor ML9 disrupts basal autophagy in cardiomyocytes by decreasing lysosome content. <i>Toxicology in Vitro</i> , <b>2018</b> , 48, 121-127	3.6	5
6	Mitochondrial function, dynamics and quality control in the pathophysiology of HFpEF. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2021</b> , 1867, 166208	6.9	4
5	Miro1 as a novel regulator of hypertrophy in neonatal rat cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2020</b> , 141, 65-69	5.8	3
4	Differential Effects of Oleic and Palmitic Acids on Lipid Droplet-Mitochondria Interaction in the Hepatic Cell Line HepG2. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 775382	6.2	3
3	Polycystin-2 Is Required for Starvation- and Rapamycin-Induced Atrophy in Myotubes. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 280	5.7	2
2	New Molecular and Organelle Alterations Linked to Down Syndrome Heart Disease.. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 792231	4.5	1
1	Polycystin-1 regulates cardiomyocyte mitophagy. <i>FASEB Journal</i> , <b>2021</b> , 35, e21796	0.9	1