

Mayte Montero

List of Publications by Year in descending order

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60
papers

2,829
citations

218677

26
h-index

175258

52
g-index

64
all docs

64
docs citations

64
times ranked

2585
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mitochondrial Na ⁺ /Ca ²⁺ Exchanger Inhibitor CGP37157 Preserves Muscle Structure and Function to Increase Lifespan and Healthspan in <i>Caenorhabditis elegans</i> . <i>Frontiers in Pharmacology</i> , 2021, 12, 695687.	3.5	4
2	Mechanism of the lifespan extension induced by submaximal SERCA inhibition in <i>C. elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111474.	4.6	5
3	Mitochondrial Ca ²⁺ Dynamics in MCU Knockout <i>C. elegans</i> Worms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8622.	4.1	15
4	The Role of Ca ²⁺ Signaling in Aging and Neurodegeneration: Insights from <i>Caenorhabditis elegans</i> Models. <i>Cells</i> , 2020, 9, 204.	4.1	33
5	Regulation of inositol 1,4,5-trisphosphate-induced Ca ²⁺ release from the endoplasmic reticulum by AMP-activated kinase modulators. <i>Cell Calcium</i> , 2019, 77, 68-76.	2.4	9
6	Inhibition of Sarco-Endoplasmic Reticulum Ca ²⁺ ATPase Extends the Lifespan in <i>C. elegans</i> Worms. <i>Frontiers in Pharmacology</i> , 2018, 9, 669.	3.5	18
7	The Neuroprotector Benzothiazepine CGP37157 Extends Lifespan in <i>C. elegans</i> Worms. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 440.	3.4	9
8	The quantal catecholamine release from mouse chromaffin cells challenged with repeated ACh pulses is regulated by the mitochondrial Na ⁺ /Ca ²⁺ exchanger. <i>Journal of Physiology</i> , 2017, 595, 2129-2146.	2.9	9
9	Pharynx mitochondrial [Ca ²⁺] dynamics in live <i>C. elegans</i> worms during aging. <i>Oncotarget</i> , 2017, 8, 55889-55900.	1.8	11
10	Functional Characterization of Three Concomitant MtDNA LHON Mutations Shows No Synergistic Effect on Mitochondrial Activity. <i>PLoS ONE</i> , 2016, 11, e0146816.	2.5	17
11	Modulation of Calcium Entry by Mitochondria. <i>Advances in Experimental Medicine and Biology</i> , 2016, 898, 405-421.	1.6	18
12	Functional roles of MICU1 and MICU2 in mitochondrial Ca ²⁺ uptake. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1110-1117.	2.6	46
13	Long-term monitoring of Ca ²⁺ dynamics in <i>C. elegans</i> pharynx: an <i>in vivo</i> energy balance sensor. <i>Oncotarget</i> , 2016, 7, 67732-67747.	1.8	13
14	Dynamics of mitochondrial Ca ²⁺ uptake in MICU1-knockdown cells. <i>Biochemical Journal</i> , 2014, 458, 33-40.	3.7	35
15	Effects of Long-Term Feeding of the Polyphenols Resveratrol and Kaempferol in Obese Mice. <i>PLoS ONE</i> , 2014, 9, e112825.	2.5	16
16	Ca ²⁺ homeostasis in the endoplasmic reticulum measured with a new low-Ca ²⁺ -affinity targeted aequorin. <i>Cell Calcium</i> , 2013, 54, 37-45.	2.4	41
17	Mitochondrial free [Ca ²⁺] dynamics measured with a novel low-Ca ²⁺ affinity aequorin probe. <i>Biochemical Journal</i> , 2012, 445, 371-376.	3.7	45
18	Dynamics of mitochondrial [Ca ²⁺] measured with the low-Ca ²⁺ -affinity dye rhod-5N. <i>Cell Calcium</i> , 2012, 51, 65-71.	2.4	14

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19	Calcium signalling mediated through α_7 and non- α_7 nAChR stimulation is differentially regulated in bovine chromaffin cells to induce catecholamine release. <i>British Journal of Pharmacology</i> , 2011, 162, 94-110.	5.4	27
20	Ca ²⁺ Dynamics in the Secretory Vesicles of Neurosecretory PC12 and INS1 Cells. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 1267-1274.	3.3	7
21	The dynamics of mitochondrial Ca ²⁺ fluxes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1727-1735.	1.0	12
22	Monitoring mitochondrial [Ca ²⁺] dynamics with rhod-2, ratiometric pericam and aequorin. <i>Cell Calcium</i> , 2010, 48, 61-69.	2.4	65
23	A confocal study on the visualization of chromaffin cell secretory vesicles with fluorescent targeted probes and acidic dyes. <i>Journal of Structural Biology</i> , 2010, 172, 261-269.	2.8	10
24	Mitochondrial free [Ca ²⁺] levels and the permeability transition. <i>Cell Calcium</i> , 2009, 45, 243-250.	2.4	24
25	Calcium dynamics in bovine adrenal medulla chromaffin cell secretory granules. <i>European Journal of Neuroscience</i> , 2008, 28, 1265-1274.	2.6	46
26	Modulation of Ca ²⁺ release and Ca ²⁺ oscillations in HeLa cells and fibroblasts by mitochondrial Ca ²⁺ uniporter stimulation. <i>Journal of Physiology</i> , 2007, 580, 39-49.	2.9	48
27	The plasma membrane Na ⁺ /Ca ²⁺ exchange inhibitor KB-R7943 is also a potent inhibitor of the mitochondrial Ca ²⁺ uniporter. <i>British Journal of Pharmacology</i> , 2007, 151, 647-654.	5.4	82
28	The mitochondrial Na ⁺ /Ca ²⁺ exchanger plays a key role in the control of cytosolic Ca ²⁺ oscillations. <i>Cell Calcium</i> , 2006, 40, 53-61.	2.4	59
29	Modulation of mitochondrial Ca ²⁺ uptake by estrogen receptor agonists and antagonists. <i>British Journal of Pharmacology</i> , 2005, 145, 862-871.	5.4	46
30	Calcium dynamics in catecholamine-containing secretory vesicles. <i>Cell Calcium</i> , 2005, 37, 555-564.	2.4	38
31	Calcineurin-independent inhibition of mitochondrial Ca ²⁺ uptake by cyclosporin A. <i>British Journal of Pharmacology</i> , 2004, 141, 263-268.	5.4	24
32	Direct activation of the mitochondrial calcium uniporter by natural plant flavonoids. <i>Biochemical Journal</i> , 2004, 384, 19-24.	3.7	128
33	Modulation of Histamine-induced Ca ²⁺ Release by Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2003, 278, 49972-49979.	3.4	27
34	A novel regulatory mechanism of the mitochondrial Ca ²⁺ uniporter revealed by the p38 mitogen-activated protein kinase inhibitor sb202190. <i>FASEB Journal</i> , 2002, 16, 1955-1957.	0.5	77
35	Redistribution of Ca ²⁺ among cytosol and organella during stimulation of bovine chromaffin cells. <i>FASEB Journal</i> , 2002, 16, 343-353.	0.5	114
36	Effect of inositol 1,4,5-trisphosphate receptor stimulation on mitochondrial [Ca ²⁺] and secretion in chromaffin cells. <i>Biochemical Journal</i> , 2002, 365, 451-459.	3.7	20

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37	Measuring [Ca ²⁺] in the endoplasmic reticulum with aequorin. <i>Cell Calcium</i> , 2002, 32, 251-260.	2.4	102
38	Modulation of secretion by the endoplasmic reticulum in mouse chromaffin cells. <i>European Journal of Neuroscience</i> , 2002, 16, 1690-1696.	2.6	23
39	Subcellular Ca ²⁺ Dynamics Measured with Targeted Aequorin in Chromaffin Cells. <i>Annals of the New York Academy of Sciences</i> , 2002, 971, 634-640.	3.8	5
40	Control of secretion by mitochondria depends on the size of the local [Ca ²⁺] after chromaffin cell stimulation. <i>European Journal of Neuroscience</i> , 2001, 13, 2247-2254.	2.6	21
41	Stimulation by thimerosal of histamine-induced Ca ²⁺ release in intact HeLa cells seen with aequorin targeted to the endoplasmic reticulum. <i>Cell Calcium</i> , 2001, 30, 181-190.	2.4	20
42	Mitochondrial Ca ²⁺ -induced Ca ²⁺ Release Mediated by the Ca ²⁺ Uniporter. <i>Molecular Biology of the Cell</i> , 2001, 12, 63-71.	2.1	84
43	Chromaffin-cell stimulation triggers fast millimolar mitochondrial Ca ²⁺ transients that modulate secretion. <i>Nature Cell Biology</i> , 2000, 2, 57-61.	10.3	444
44	Subcellular Ca ²⁺ Dynamics. <i>Physiology</i> , 1999, 14, 161-168.	3.1	8
45	Ca ²⁺ -induced Ca ²⁺ Release in Chromaffin Cells Seen from inside the ER with Targeted Aequorin. <i>Journal of Cell Biology</i> , 1999, 144, 241-254.	5.2	170
46	Novel antimigraineur dotarizine releases Ca ²⁺ from caffeine-sensitive Ca ²⁺ stores of chromaffin cells. <i>British Journal of Pharmacology</i> , 1999, 128, 621-626.	5.4	6
47	Secretory Phospholipase A2 Induces Phospholipase C ^β -1 Activation and Ca ²⁺ Mobilization in the Human Astrocytoma Cell Line 1321N1 by a Mechanism Independent of Its Catalytic Activity. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 99-104.	2.1	23
48	Functional measurements of [Ca ²⁺] in the endoplasmic reticulum using a herpes virus to deliver targeted aequorin. <i>Cell Calcium</i> , 1998, 24, 87-96.	2.4	73
49	Dynamics of [Ca ²⁺] in the Endoplasmic Reticulum and Cytoplasm of Intact HeLa Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 27694-27699.	3.4	136
50	Ca ²⁺ Homeostasis in the Endoplasmic Reticulum: Coexistence of High and Low [Ca ²⁺] Subcompartments in Intact HeLa Cells. <i>Journal of Cell Biology</i> , 1997, 139, 601-611.	5.2	110
51	[Ca ²⁺] Microdomains control agonist-induced Ca ²⁺ release in intact HeLa cells. <i>FASEB Journal</i> , 1997, 11, 881-885.	0.5	79
52	Targeting aequorin and green fluorescent protein to intracellular organelles. <i>Gene</i> , 1996, 173, 113-117.	2.2	61
53	Effects of extremely-low-frequency electromagnetic fields on ion transport in several mammalian cells. <i>Bioelectromagnetics</i> , 1994, 15, 579-588.	1.6	43
54	Agonist-induced Ca ²⁺ influx in human neutrophils is not mediated by production of inositol polyphosphates but by emptying of the intracellular Ca ²⁺ stores. <i>Biochemical Society Transactions</i> , 1994, 22, 809-813.	3.4	14

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55	The pathway for refilling intracellular Ca ²⁺ stores passes through the cytosol in human leukaemia cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1993, 424, 465-469.	2.8	9
56	Comparative effects of cytochrome P-450 inhibitors on Ca ²⁺ and Mn ²⁺ entry induced by agonists or by emptying the Ca ²⁺ stores of human neutrophils. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1993, 1177, 127-133.	4.1	33
57	Agonist-evoked Ca ²⁺ entry in human platelets: a reply. <i>Biochemical Journal</i> , 1992, 285, 343-344.	3.7	4
58	Ca ²⁺ influx following receptor activation. <i>Trends in Pharmacological Sciences</i> , 1992, 13, 12-13.	8.7	10
59	Cytochrome P450 may regulate plasma membrane Ca ²⁺ permeability according to the filling state of the intracellular Ca ²⁺ stores. <i>FASEB Journal</i> , 1992, 6, 786-792.	0.5	122
60	Measurement of $\Delta\psi$ in situ TM mitochondrial membrane potential in Ehrlich ascites tumor cells during aerobic glycolysis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 935, 322-332.	1.0	11