

# Tito CalÃ¡n

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

4,650  
citations

109311

35  
h-index

106340

65  
g-index

85  
all docs

85  
docs citations

85  
times ranked

8821  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial fission links ECM mechanotransduction to metabolic redox homeostasis and metastatic chemotherapy resistance. <i>Nature Cell Biology</i> , 2022, 24, 168-180.	10.3	68
2	Angiotensin II Promotes SARS-CoV-2 Infection via Upregulation of ACE2 in Human Bronchial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5125.	4.1	11
3	Stable Integration of Inducible SPLICS Reporters Enables Spatio-Temporal Analysis of Multiple Organelle Contact Sites upon Modulation of Cholesterol Traffic. <i>Cells</i> , 2022, 11, 1643.	4.1	3
4	Architecture of the human erythrocyte ankyrin-1 complex. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 706-718.	8.2	33
5	Calcium Signaling and Mitochondrial Function in Presenilin 2 Knock-Out Mice: Looking for Any Loss-of-Function Phenotype Related to Alzheimer's Disease. <i>Cells</i> , 2021, 10, 204.	4.1	10
6	Split Green Fluorescent Protein-Based Contact Site Sensor (SPLICS) for Heterotypic Organelle Juxtaposition as Applied to ER-Mitochondria Proximities. <i>Methods in Molecular Biology</i> , 2021, 2275, 363-378.	0.9	2
7	Apoptotic signals at the endoplasmic reticulum-mitochondria interface. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 126, 307-343.	2.3	16
8	Mitochondria Associated Membranes (MAMs): Architecture and physiopathological role. <i>Cell Calcium</i> , 2021, 94, 102343.	2.4	64
9	Ca <sup>2+</sup> handling at the mitochondria-ER contact sites in neurodegeneration. <i>Cell Calcium</i> , 2021, 98, 102453.	2.4	49
10	Physiological cyanide concentrations do not stimulate mitochondrial cytochrome c oxidase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2112373118.	7.1	3
11	Quantification of organelle contact sites by split-GFP-based contact site sensors (SPLICS) in living cells. <i>Nature Protocols</i> , 2021, 16, 5287-5308.	12.0	30
12	Regulation of Endoplasmic Reticulum-Mitochondria Tethering and Ca <sup>2+</sup> Fluxes by TDP-43 via GSK3 <sup>β</sup> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 11853.	4.1	9
13	Sorcin is an early marker of neurodegeneration, Ca <sup>2+</sup> dysregulation and endoplasmic reticulum stress associated to neurodegenerative diseases. <i>Cell Death and Disease</i> , 2020, 11, 861.	6.3	29
14	An expanded palette of improved SPLICS reporters detects multiple organelle contacts in vitro and in vivo. <i>Nature Communications</i> , 2020, 11, 6069.	12.8	43
15	ER-Mitochondria Contact Sites Reporters: Strengths and Weaknesses of the Available Approaches. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8157.	4.1	30
16	Play Around with mtDNA. <i>DNA and Cell Biology</i> , 2020, 39, 1369-1369.	1.9	0
17	PINK1/Parkin Mediated Mitophagy, Ca <sup>2+</sup> Signalling, and ER-Mitochondria Contacts in Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1772.	4.1	105
18	ER-Mitochondria Calcium Transfer, Organelle Contacts and Neurodegenerative Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 719-746.	1.6	29

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19	Impaired Mitochondrial ATP Production Downregulates Wnt Signaling via ER Stress Induction. <i>Cell Reports</i> , 2019, 28, 1949-1960.e6.	6.4	56
20	<i>Call for Papers:</i> Special Issue on Mitochondrial DNA in Health and Disease. <i>DNA and Cell Biology</i> , 2019, 38, 1167-1168.	1.9	0
21	A split-GFP tool reveals differences in the sub-mitochondrial distribution of wt and mutant alpha-synuclein. <i>Cell Death and Disease</i> , 2019, 10, 857.	6.3	14
22	<i>Call for Papers:</i> Special Issue on Mitochondrial DNA in Health and Disease. <i>DNA and Cell Biology</i> , 2019, 38, 1023-1024.	1.9	0
23	splitGFP Technology Reveals Dose-Dependent ER-Mitochondria Interface Modulation by Î±-Synuclein A53T and A30P Mutants. <i>Cells</i> , 2019, 8, 1072.	4.1	34
24	Measuring Ca <sup>2+</sup> Levels in Subcellular Compartments with Genetically Encoded GFP-Based Indicators. <i>Methods in Molecular Biology</i> , 2019, 1925, 31-42.	0.9	3
25	A chloroplast-localized mitochondrial calcium uniporter transduces osmotic stress in Arabidopsis. <i>Nature Plants</i> , 2019, 5, 581-588.	9.3	56
26	The VAPB-PTPIP51 endoplasmic reticulum-mitochondria tethering proteins are present in neuronal synapses and regulate synaptic activity. <i>Acta Neuropathologica Communications</i> , 2019, 7, 35.	5.2	88
27	EMBO Workshop: Membrane Contact Sites in Health and Disease. <i>Contact (Thousand Oaks (Ventura) Tj ETQq1 1 0,784314 rgBT /Ov</i>	1.3	0
28	Calcium, Dopamine and Neuronal Calcium Sensor 1: Their Contribution to Parkinsonâ€™s Disease. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 55.	2.9	29
29	<i>Call for Papers:</i> Special Issue on Mitochondrial DNA in Health and Disease. <i>DNA and Cell Biology</i> , 2019, 38, 1411-1412.	1.9	0
30	A V1143F mutation in the neuronal-enriched isoform 2 of the PMCA pump is linked with ataxia. <i>Neurobiology of Disease</i> , 2018, 115, 157-166.	4.4	15
31	TOM70 Sustains Cell Bioenergetics by Promoting IP3R3-Mediated ER to Mitochondria Ca <sup>2+</sup> Transfer. <i>Current Biology</i> , 2018, 28, 369-382.e6.	3.9	109
32	Organelles: The Emerging Signalling Chart of Mitochondrial Dynamics. <i>Current Biology</i> , 2018, 28, R73-R75.	3.9	10
33	The PMCA pumps in genetically determined neuronal pathologies. <i>Neuroscience Letters</i> , 2018, 663, 2-11.	2.1	21
34	SPLICS: a split green fluorescent protein-based contact site sensor for narrow and wide heterotypic organelle juxtaposition. <i>Cell Death and Differentiation</i> , 2018, 25, 1131-1145.	11.2	174
35	Alphaâ€™synuclein aggregates activate calcium pump SERCA leading to calcium dysregulation. <i>EMBO Reports</i> , 2018, 19, .	4.5	88
36	Editorial. <i>Neuroscience Letters</i> , 2018, 663, 1.	2.1	0

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37	Phosphorylation of nuclear Tau is modulated by distinct cellular pathways. <i>Scientific Reports</i> , 2018, 8, 17702.	3.3	31
38	Parkin-dependent regulation of the MCU complex component MICU1. <i>Scientific Reports</i> , 2018, 8, 14199.	3.3	31
39	The Close Encounter Between Alpha-Synuclein and Mitochondria. <i>Frontiers in Neuroscience</i> , 2018, 12, 388.	2.8	99
40	Tau localises within mitochondrial sub-compartments and its caspase cleavage affects ER-mitochondria interactions and cellular Ca <sup>2+</sup> handling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3247-3256.	3.8	88
41	A22â€¦Sorcin rescues ca (II) dysregulation and endoplasmic reticulum stress in huntingtonâ€™s disease. , 2018, , .		0
42	Regulation of Cell Calcium and Role of Plasma Membrane Calcium ATPases. <i>International Review of Cell and Molecular Biology</i> , 2017, 332, 259-296.	3.2	49
43	A novel PMCA3 mutation in an ataxic patient with hypomorphic phosphomannomutase 2 (PMM2) heterozygote mutations: Biochemical characterization of the pump defect. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 3303-3312.	3.8	17
44	The plasma membrane calcium pumps: focus on the role in (neuro)pathology. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 1116-1124.	2.1	44
45	Emerging (and converging) pathways in Parkinson's disease: keeping mitochondrial wellness. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 1020-1030.	2.1	42
46	The ataxia related G1107D mutation of the plasma membrane Ca <sup>2+</sup> ATPase isoform 3 affects its interplay with calmodulin and the autoinhibition process. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 165-173.	3.8	25
47	Alpha-synuclein at the intracellular and the extracellular side: functional and dysfunctional implications. <i>Biological Chemistry</i> , 2017, 398, 77-100.	2.5	50
48	Spontaneous shaker rat mutant â€œ a new model for X-linked tremor-ataxia. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 553-62.	2.4	17
49	Mitochondrial Thioredoxin System as a Modulator of Cyclophilin D Redox State. <i>Scientific Reports</i> , 2016, 6, 23071.	3.3	46
50	Reduced mitochondrial Ca <sup>2+</sup> transients stimulate autophagy in human fibroblasts carrying the 13514A&gt;G mutation of the ND5 subunit of NADH dehydrogenase. <i>Cell Death and Differentiation</i> , 2016, 23, 231-241.	11.2	51
51	Calcium Handling by Endoplasmic Reticulum and Mitochondria in a Cell Model of Huntingtonâ€™s Disease. <i>PLOS Currents</i> , 2016, 8, .	1.4	10
52	The Plasma Membrane Ca <sup>2+</sup> ATPases: Isoform Specificity and Functional Versatility. , 2016, , 13-26.		0
53	A Novel Mutation in Isoform 3 of the Plasma Membrane Ca <sup>2+</sup> Pump Impairs Cellular Ca <sup>2+</sup> Homeostasis in a Patient with Cerebellar Ataxia and Laminin Subunit Î± Mutations. <i>Journal of Biological Chemistry</i> , 2015, 290, 16132-16141.	3.4	41
54	A new split-GFP-based probe reveals DJ-1 translocation into the mitochondrial matrix to sustain ATP synthesis upon nutrient deprivation. <i>Human Molecular Genetics</i> , 2015, 24, 1045-1060.	2.9	38

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55	Mitochondrial Calcium Homeostasis and Implications for Human Health. Food and Nutritional Components in Focus, 2015, , 448-467.	0.1	1
56	Methods to Measure Intracellular Ca <sup>2+</sup> Fluxes with Organelle-Targeted Aequorin-Based Probes. Methods in Enzymology, 2014, 543, 21-45.	1.0	35
57	Inhibition of Ubiquitin Proteasome System Rescues the Defective Sarco(endo)plasmic Reticulum Ca <sup>2+</sup> -ATPase (SERCA1) Protein Causing Chianina Cattle Pseudomyotonia. Journal of Biological Chemistry, 2014, 289, 33073-33082.	3.4	14
58	Neuronal calcium signaling: function and dysfunction. Cellular and Molecular Life Sciences, 2014, 71, 2787-2814.	5.4	501
59	Calcium signaling in Parkinson's disease. Cell and Tissue Research, 2014, 357, 439-454.	2.9	100
60	Calcium and Endoplasmic Reticulum-Mitochondria Tethering in Neurodegeneration. DNA and Cell Biology, 2013, 32, 140-146.	1.9	53
61	Enhanced parkin levels favor ER-mitochondria crosstalk and guarantee Ca <sup>2+</sup> transfer to sustain cell bioenergetics. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 495-508.	3.8	185
62	Intracellular Calcium Homeostasis and Signaling. Metal Ions in Life Sciences, 2013, 12, 119-168.	2.8	116
63	The plasma membrane calcium pump in health and disease. FEBS Journal, 2013, 280, 5385-5397.	4.7	139
64	Measurements of Ca <sup>2+</sup> Concentration with Recombinant Targeted Luminescent Probes. Methods in Molecular Biology, 2013, 937, 273-291.	0.9	13
65	The Parkinson disease-related protein DJ-1 counteracts mitochondrial impairment induced by the tumour suppressor protein p53 by enhancing endoplasmic reticulum-mitochondria tethering. Human Molecular Genetics, 2013, 22, 2152-2168.	2.9	177
66	Calcium in Health and Disease. Metal Ions in Life Sciences, 2013, 13, 81-137.	2.8	105
67	Ca <sup>2+</sup> -activated Nucleotidase 1, a Novel Target Gene for the Transcriptional Repressor DREAM (Downstream Regulatory Element Antagonist Modulator), Is Involved in Protein Folding and Degradation. Journal of Biological Chemistry, 2012, 287, 18478-18491.	3.4	12
68	Î±-Synuclein Controls Mitochondrial Calcium Homeostasis by Enhancing Endoplasmic Reticulum-Mitochondria Interactions. Journal of Biological Chemistry, 2012, 287, 17914-17929.	3.4	256
69	Calcium Pumps: Why So Many?. , 2012, 2, 1045-1060.		34
70	Mutation of plasma membrane Ca <sup>2+</sup> ATPase isoform 3 in a family with X-linked congenital cerebellar ataxia impairs Ca <sup>2+</sup> homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14514-14519.	7.1	113
71	Mitochondrial Ca <sup>2+</sup> as a Key Regulator of Mitochondrial Activities. Advances in Experimental Medicine and Biology, 2012, 942, 53-73.	1.6	36
72	Mitochondrial Ca <sup>2+</sup> and neurodegeneration. Cell Calcium, 2012, 52, 73-85.	2.4	110

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73	Mitochondria, calcium, and endoplasmic reticulum stress in Parkinson's disease. <i>BioFactors</i> , 2011, 37, 228-240.	5.4	101
74	Coronaviruses Hijack the LC3-I-Positive EDEMosomes, ER-Derived Vesicles Exporting Short-Lived ERAD Regulators, for Replication. <i>Cell Host and Microbe</i> , 2010, 7, 500-508.	11.0	332
75	Segregation and rapid turnover of EDEM1 by an autophagy-like mechanism modulates standard ERAD and folding activities. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 405-410.	2.1	111
76	The Endoplasmic Reticulum: Crossroads for Newly Synthesized Polypeptide Chains. <i>Progress in Molecular Biology and Translational Science</i> , 2008, 83, 135-179.	1.7	18
77	EDEM1 regulates ER-associated degradation by accelerating de-mannosylation of folding-defective polypeptides and by inhibiting their covalent aggregation. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1278-1284.	2.1	154
78	Monostotic (craniofacial) fibrous dysplasia. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , 1978, 45, 156.	0.6	1
79	Inadequately Written Prescriptions. <i>JAMA - Journal of the American Medical Association</i> , 1973, 226, 999.	7.4	17
80	Etiology and pathogenesis of Parkinson's disease: role of mitochondrial pathology. <i>Research and Reports in Biochemistry</i> , 0, , 55.	1.6	1