Tito CalÃ¬

List of Publications by Year
in descending order

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80	4,650	109321 35	106344 65
papers	citations	h-index	g-index

85	85	85	8821
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mitochondrial fission links ECM mechanotransduction to metabolic redox homeostasis and metastatic chemotherapy resistance. Nature Cell Biology, 2022, 24, 168-180.	10.3	68
2	Angiotensin II Promotes SARS-CoV-2 Infection via Upregulation of ACE2 in Human Bronchial Cells. International Journal of Molecular Sciences, 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. Cells, 2022, 11, 1643.	4.1	3
4	Architecture of the human erythrocyte ankyrin-1 complex. Nature Structural and Molecular Biology, 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 Alzheimerâ€™s Disease. Cells, 2021, 10, 204.	4.1	10
6	Split Green Fluorescent Proteinâ€“Based Contact Site Sensor (SPLICS) for Heterotypic Organelle Juxtaposition as Applied to ERâ€“Mitochondria Proximities. Methods in Molecular Biology, 2021, 2275, 363-378.	0.9	2
7	Apoptotic signals at the endoplasmic reticulum-mitochondria interface. Advances in Protein Chemistry and Structural Biology, 2021, 126, 307-343.	2.3	16
8	Mitochondria Associated Membranes (MAMs): Architecture and physiopathological role. Cell Calcium, 2021, 94, 102343.	2.4	64
9	Ca2+ handling at the mitochondria-ER contact sites in neurodegeneration. Cell Calcium, 2021, 98, 102453.	2.4	49
10	Physiological cyanide concentrations do not stimulate mitochondrial cytochrome c oxidase activity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2112373118.	7.1	3
11	Quantification of organelle contact sites by split-GFP-based contact site sensors (SPLICS) in living cells. Nature Protocols, 2021, 16, 5287-5308.	12.0	30
12	Regulation of Endoplasmic Reticulumâ€“Mitochondria Tethering and Ca2+ Fluxes by TDP-43 via GSK3Î². International Journal of Molecular Sciences, 2021, 22, 11853.	4.1	9
13	Sorcin is an early marker of neurodegeneration, Ca2+ dysregulation and endoplasmic reticulum stress associated to neurodegenerative diseases. Cell Death and Disease, 2020, 11, 861.	6.3	29
14	An expanded palette of improved SPLICS reporters detects multiple organelle contacts in vitro and in vivo. Nature Communications, 2020, 11, 6069.	12.8	43
15	ERâ€“Mitochondria Contact Sites Reporters: Strengths and Weaknesses of the Available Approaches. International Journal of Molecular Sciences, 2020, 21, 8157.	4.1	30
16	Play Around with mtDNA. DNA and Cell Biology, 2020, 39, 1369-1369.	1.9	0
17	PINK1/Parkin Mediated Mitophagy, Ca2+ Signalling, and ERâ€“Mitochondria Contacts in Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 1772.	4.1	105
18	ER-Mitochondria Calcium Transfer, Organelle Contacts and Neurodegenerative Diseases. Advances in Experimental Medicine and Biology, 2020, 1131, 719-746.	1.6	29

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19	Impaired Mitochondrial ATP Production Downregulates Wnt Signaling via ER Stress Induction. Cell Reports, 2019, 28, 1949-1960.e6.	6.4	56
20	Call for Papers: Special Issue on Mitochondrial DNA in Health and Disease. DNA and Cell Biology, 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. Cell Death and Disease, 2019, 10, 857.	6.3	14
22	Call for Papers: Special Issue on Mitochondrial DNA in Health and Disease. DNA and Cell Biology, 2019, 38, 1023-1024.	1.9	0
23	splitGFP Technology Reveals Dose-Dependent ER-Mitochondria Interface Modulation by Î±-Synuclein A53T and A30P Mutants. Cells, 2019, 8, 1072.	4.1	34
24	Measuring Ca2+ Levels in Subcellular Compartments with Genetically Encoded GFP-Based Indicators. Methods in Molecular Biology, 2019, 1925, 31-42.	0.9	3
25	A chloroplast-localized mitochondrial calcium uniporter transduces osmotic stress in Arabidopsis. Nature Plants, 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. Acta Neuropathologica Communications, 2019, 7, 35.	5.2	88
27	EMBO Workshop: Membrane Contact Sites in Health and Disease. Contact (Thousand Oaks (Ventura) Tj ETQq1 1 0.784314 rgBT /Ov	1.3	0
28	Calcium, Dopamine and Neuronal Calcium Sensor 1: Their Contribution to Parkinsonâ€™s Disease. Frontiers in Molecular Neuroscience, 2019, 12, 55.	2.9	29
29	Call for Papers: Special Issue on Mitochondrial DNA in Health and Disease. DNA and Cell Biology, 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. Neurobiology of Disease, 2018, 115, 157-166.	4.4	15
31	TOM70 Sustains Cell Bioenergetics by Promoting IP3R3-Mediated ER to Mitochondria Ca2+ Transfer. Current Biology, 2018, 28, 369-382.e6.	3.9	109
32	Organelles: The Emerging Signalling Chart ofÂMitochondrial Dynamics. Current Biology, 2018, 28, R73-R75.	3.9	10
33	The PMCA pumps in genetically determined neuronal pathologies. Neuroscience Letters, 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. Cell Death and Differentiation, 2018, 25, 1131-1145.	11.2	174
35	Alphaâ€synuclein aggregates activate calcium pump SERCA leading to calcium dysregulation. EMBO Reports, 2018, 19, .	4.5	88
36	Editorial. Neuroscience Letters, 2018, 663, 1.	2.1	0

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37	Phosphorylation of nuclear Tau is modulated by distinct cellular pathways. Scientific Reports, 2018, 8, 17702.	3.3	31
38	Parkin-dependent regulation of the MCU complex component MICU1. Scientific Reports, 2018, 8, 14199.	3.3	31
39	The Close Encounter Between Alpha-Synuclein and Mitochondria. Frontiers in Neuroscience, 2018, 12, 388.	2.8	99
40	Tau localises within mitochondrial sub-compartments and its caspase cleavage affects ER-mitochondria interactions and cellular Ca2+ handling. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 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. International Review of Cell and Molecular Biology, 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. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 3303-3312.	3.8	17
44	The plasma membrane calcium pumps: focus on the role in (neuro)pathology. Biochemical and Biophysical Research Communications, 2017, 483, 1116-1124.	2.1	44
45	Emerging (and converging) pathways in Parkinson's disease: keeping mitochondrial wellness. Biochemical and Biophysical Research Communications, 2017, 483, 1020-1030.	2.1	42
46	The ataxia related G1107D mutation of the plasma membrane Ca 2+ ATPase isoform 3 affects its interplay with calmodulin and the autoinhibition process. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 165-173.	3.8	25
47	Alpha-synuclein at the intracellular and the extracellular side: functional and dysfunctional implications. Biological Chemistry, 2017, 398, 77-100.	2.5	50
48	Spontaneous shaker rat mutant â€“ a new model for X-linked tremor-ataxia. DMM Disease Models and Mechanisms, 2016, 9, 553-62.	2.4	17
49	Mitochondrial Thioredoxin System as a Modulator of Cyclophilin D Redox State. Scientific Reports, 2016, 6, 23071.	3.3	46
50	Reduced mitochondrial Ca2+ transients stimulate autophagy in human fibroblasts carrying the 13514A>G mutation of the ND5 subunit of NADH dehydrogenase. Cell Death and Differentiation, 2016, 23, 231-241.	11.2	51
51	Calcium Handling by Endoplasmic Reticulum and Mitochondria in a Cell Model of Huntingtonâ€™s Disease. PLOS Currents, 2016, 8, .	1.4	10
52	The Plasma Membrane Ca2+ ATPases: Isoform Specificity and Functional Versatility. , 2016, , 13-26.		0
53	A Novel Mutation in Isoform 3 of the Plasma Membrane Ca2+ Pump Impairs Cellular Ca2+ Homeostasis in a Patient with Cerebellar Ataxia and Laminin Subunit 1Î± Mutations. Journal of Biological Chemistry, 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. Human Molecular Genetics, 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 Ca2+ 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 Ca2+-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 Parkinsonâ€™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 Ca2+ 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 Ca2+ 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	Ca2+-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 ²⁺ ATPase isoform 3 in a family with X-linked congenital cerebellar ataxia impairs Ca ²⁺ homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14514-14519.	7.1	113
71	Mitochondrial Ca2+ as a Key Regulator of Mitochondrial Activities. Advances in Experimental Medicine and Biology, 2012, 942, 53-73.	1.6	36
72	Mitochondrial Ca2+ 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. BioFactors, 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. Cell Host and Microbe, 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. Biochemical and Biophysical Research Communications, 2008, 371, 405-410.	2.1	111
76	The Endoplasmic Reticulum: Crossroads for Newly Synthesized Polypeptide Chains. Progress in Molecular Biology and Translational Science, 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. Biochemical and Biophysical Research Communications, 2006, 349, 1278-1284.	2.1	154
78	Monostotic (craniofacial) fibrous dysplasia. Oral Surgery, Oral Medicine, and Oral Pathology, 1978, 45, 156.	0.6	1
79	Inadequately Written Prescriptions. JAMA - Journal of the American Medical Association, 1973, 226, 999.	7.4	17
80	Etiology and pathogenesis of Parkinson’s disease: role of mitochondrial pathology. Research and Reports in Biochemistry, 0, , 55.	1.6	1