Luis Miguel Martins

List of Publications by Year
in descending order

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Version: 2024-02-01

44 papers	4,470 citations	172457 29 h-index	265206 42 g-index
50 all docs	50 docs citations	50 times ranked	5382 citing authors

#	Article	IF	Citations
1	Suppression of intestinal dysfunction in a Drosophila model of Parkinsonâ€™s disease is neuroprotective. Nature Aging, 2022, 2, 317-331.	11.6	8
2	Links between air pollution and COVID-19 in England. Environmental Pollution, 2021, 268, 115859.	7.5	400
3	Mind the Gap: Mitochondria and the Endoplasmic Reticulum in Neurodegenerative Diseases. Biomedicines, 2021, 9, 227.	3.2	25
4	Combined Transcriptomic and Proteomic Analysis of Perk Toxicity Pathways. International Journal of Molecular Sciences, 2021, 22, 4598.	4.1	6
5	Parp mutations protect from mitochondrial toxicity in Alzheimerâ€™s disease. Cell Death and Disease, 2021, 12, 651.	6.3	20
6	Paracetamol Is Associated with a Lower Risk of COVID-19 Infection and Decreased ACE2 Protein Expression: A Retrospective Analysis. Covid, 2021, 1, 218-229.	1.5	16
7	Alzheimerâ€™s and Parkinsonâ€™s Diseases Predict Different COVID-19 Outcomes: A UK Biobank Study. Geriatrics (Switzerland), 2021, 6, 10.	1.7	49
8	Forcing contacts between mitochondria and the endoplasmic reticulum extends lifespan in a Drosophila model of Alzheimer's disease. Biology Open, 2020, 9, .	1.2	31
9	Enhancing folic acid metabolism suppresses defects associated with loss of Drosophila mitofusin. Cell Death and Disease, 2019, 10, 288.	6.3	11
10	Early detection of pre-malignant lesions in a KRASG12D-driven mouse lung cancer model by monitoring circulating free DNA. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	16
11	dATF4 regulation of mitochondrial folate-mediated one-carbon metabolism is neuroprotective. Cell Death and Differentiation, 2017, 24, 638-648.	11.2	45
12	Metformin reverses TRAP1 mutation-associated alterations in mitochondrial function in Parkinsonâ€™s disease. Brain, 2017, 140, 2444-2459.	7.6	76
13	Nonsyndromic Parkinson disease in a family with autosomal dominant optic atrophy due to OPA1 mutations. Neurology: Genetics, 2017, 3, e188.	1.9	27
14	Molecular motion regulates the activity of the Mitochondrial Serine Protease HtrA2. Cell Death and Disease, 2017, 8, e3119-e3119.	6.3	21
15	Enhancing NAD+ salvage metabolism is neuroprotective in a PINK1 model of Parkinson's disease. Biology Open, 2016, 6, 141-147.	1.2	67
16	Inhibition of oxidative metabolism leads to p53 genetic inactivation and transformation in neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1059-1064.	7.1	63
17	Enhancing nucleotide metabolism protects against mitochondrial dysfunction and neurodegeneration in a PINK1 model of Parkinsonâ€™s disease. Nature Cell Biology, 2014, 16, 157-166.	10.3	119
18	<scp>BID</scp> â€dependent release of mitochondrial <scp>SMAC</scp> dampens <scp>XIAP</scp> â€mediated immunity against Shigella. EMBO Journal, 2014, 33, 2171-2187.	7.8	52

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19	Loss of PINK1 enhances neurodegeneration in a mouse model ofÂParkinson's disease triggered by mitochondrial stress. Neuropharmacology, 2014, 77, 350-357.	4.1	48
20	Insights into mitochondrial quality control pathways and Parkinsonâ€™s disease. Journal of Molecular Medicine, 2013, 91, 665-671.	3.9	13
21	HtrA2 Peptidase. , 2013, , 2571-2577.		0
22	Drosophila ref(2)P is required for the parkin-mediated suppression of mitochondrial dysfunction in pink1 mutants. Cell Death and Disease, 2013, 4, e873-e873.	6.3	36
23	Drosophila Trap1 protects against mitochondrial dysfunction in a PINK1/parkin model of Parkinsonâ€™s disease. Cell Death and Disease, 2013, 4, e467-e467.	6.3	104
24	HtrA2 deficiency causes mitochondrial uncoupling through the F1F0-ATP synthase and consequent ATP depletion. Cell Death and Disease, 2012, 3, e335-e335.	6.3	32
25	Phosphorylation of HtrA2 by cyclin-dependent kinase-5 is important for mitochondrial function. Cell Death and Differentiation, 2012, 19, 257-266.	11.2	35
26	Mitochondrial Stress Signalling: HTRA2 and Parkinson's Disease. International Journal of Cell Biology, 2012, 2012, 1-6.	2.5	28
27	Idebenone and Resveratrol Extend Lifespan and Improve Motor Function of HtrA2 Knockout Mice. PLoS ONE, 2011, 6, e28855.	2.5	45
28	Mitochondrial Quality Control and Parkinsonâ€™s Disease: A Pathway Unfolds. Molecular Neurobiology, 2011, 43, 80-86.	4.0	49
29	PINK1 cleavage at position A103 by the mitochondrial protease PARL. Human Molecular Genetics, 2011, 20, 867-879.	2.9	385
30	Modulation of mitochondrial function and morphology by interaction of Omi/HtrA2 with the mitochondrial fusion factor OPA1. Experimental Cell Research, 2010, 316, 1213-1224.	2.6	57
31	Mitochondrial quality control and neurological disease: an emerging connection. Expert Reviews in Molecular Medicine, 2010, 12, e12.	3.9	74
32	MAP4K3 modulates cell death via the post-transcriptional regulation of BH3-only proteins. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11978-11983.	7.1	34
33	Mitochondrial dysfunction triggered by loss of HtrA2 results in the activation of a brain-specific transcriptional stress response. Cell Death and Differentiation, 2009, 16, 449-464.	11.2	156
34	Drosophila HtrA2 is dispensable for apoptosis but acts downstream of PINK1 independently from Parkin. Cell Death and Differentiation, 2009, 16, 1118-1125.	11.2	77
35	Accumulation of HtrA2/Omi in Neuronal and Glial Inclusions in Brains With Î±-Synucleinopathies. Journal of Neuropathology and Experimental Neurology, 2008, 67, 984-993.	1.7	44
36	The mitochondrial protease HtrA2 is regulated by Parkinson's disease-associated kinase PINK1. Nature Cell Biology, 2007, 9, 1243-1252.	10.3	441

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37	Loss of function mutations in the gene encoding Omi/HtrA2 in Parkinson's disease. Human Molecular Genetics, 2005, 14, 2099-2111.	2.9	514
38	The Tumor Suppressor RASSF1A and MAP-1 Link Death Receptor Signaling to Bax Conformational Change and Cell Death. Molecular Cell, 2005, 18, 637-650.	9.7	166
39	Neuroprotective Role of the Reaper-Related Serine Protease HtrA2/Omi Revealed by Targeted Deletion in Mice. Molecular and Cellular Biology, 2004, 24, 9848-9862.	2.3	367
40	Binding Specificity and Regulation of the Serine Protease and PDZ Domains of HtrA2/Omi. Journal of Biological Chemistry, 2003, 278, 49417-49427.	3.4	116
41	The Serine Protease Omi/HtrA2 Regulates Apoptosis by Binding XIAP through a Reaper-like Motif. Journal of Biological Chemistry, 2002, 277, 439-444.	3.4	470
42	The serine protease Omi/HtrA2: a second mammalian protein with a Reaper-like function. Cell Death and Differentiation, 2002, 9, 699-701.	11.2	51
43	Methods Used to Study Protease Activation During Apoptosis. Frontiers in Neuroscience, 1998, , .	0.0	1
44	Peptide nucleic acid clamping to improve the sensitivity of Ion Torrent-based detection of an oncogenic mutation in KRAS. Matters, 0, , .	1.0	5