Alvaro Sanchez-Martinez

List of Publications by Year
in descending order

21 papers	1,582 citations	516561 16 h-index	794469 19 g-index
27 all docs	27 docs citations	27 times ranked	4663 citing authors

#	Article	IF	Citations
1	The Parkinson's diseaseâ€“linked proteins Fbxo7 and Parkin interact to mediate mitophagy. Nature Neuroscience, 2013, 16, 1257-1265.	7.1	292
2	Basal mitophagy is widespread in Drosophila but minimally affected by loss of Pink1 or parkin. Journal of Cell Biology, 2018, 217, 1613-1622.	2.3	253
3	The NAD+ Precursor Nicotinamide Riboside Rescues Mitochondrial Defects and Neuronal Loss in iPSC and Fly Models of Parkinsonâ€™s Disease. Cell Reports, 2018, 23, 2976-2988.	2.9	239
4	Parkinson disease-linked GBA mutation effects reversed by molecular chaperones in human cell and fly models. Scientific Reports, 2016, 6, 31380.	1.6	133
5	Genome-wide RNAi screen identifies the Parkinson disease GWAS risk locus SREBF1 as a regulator of mitophagy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8494-8499.	3.3	109
6	SRSF1-dependent nuclear export inhibition of C9ORF72 repeat transcripts prevents neurodegeneration and associated motor deficits. Nature Communications, 2017, 8, 16063.	5.8	106
7	Mitochondrial impairment activates the Wallerian pathway through depletion of NMNAT2 leading to SARM1-dependent axon degeneration. Neurobiology of Disease, 2020, 134, 104678.	2.1	87
8	The Complex I Subunit NDUFA10 Selectively Rescues Drosophila pink1 Mutants through a Mechanism Independent of Mitophagy. PLoS Genetics, 2014, 10, e1004815.	1.5	68
9	Superoxide Dismutase (SOD)-mimetic M40403 Is Protective in Cell and Fly Models of Paraquat Toxicity. Journal of Biological Chemistry, 2016, 291, 9257-9267.	1.6	56
10	Comprehensive Genetic Characterization of Mitochondrial Ca2+ Uniporter Components Reveals Their Different Physiological Requirements InÂVivo. Cell Reports, 2019, 27, 1541-1550.e5.	2.9	46
11	Modeling human mitochondrial diseases in flies. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1190-1198.	0.5	28
12	Superoxide dismutating molecules rescue the toxic effects of PINK1 and parkin loss. Human Molecular Genetics, 2018, 27, 1618-1629.	1.4	28
13	Mitochondrially-targeted APOBEC1 is a potent mtDNA mutator affecting mitochondrial function and organismal fitness in Drosophila. Nature Communications, 2019, 10, 3280.	5.8	23
14	Inhibition of the deubiquitinase USP8 corrects a Drosophila PINK1 model of mitochondria dysfunction. Life Science Alliance, 2019, 2, e201900392.	1.3	22
15	DGAT1 activity synchronises with mitophagy to protect cells from metabolic rewiring by ironâ€‰â€‰depletion. EMBO Journal, 2022, 41, e109390.	3.5	22
16	Coiled Coil Domain-containing Protein 56 (CCDC56) Is a Novel Mitochondrial Protein Essential for Cytochrome c Oxidase Function. Journal of Biological Chemistry, 2012, 287, 24174-24185.	1.6	21
17	Modeling Pathogenic Mutations of Human Twinkle in Drosophila Suggests an Apoptosis Role in Response to Mitochondrial Defects. PLoS ONE, 2012, 7, e43954.	1.1	18
18	SRSF1-dependent inhibition of C9ORF72-repeat RNA nuclear export: genome-wide mechanisms for neuroprotection in amyotrophic lateral sclerosis. Molecular Neurodegeneration, 2021, 16, 53.	4.4	13

#	Article	IF	Citations
19	Characterization of Drosophila ATPsynC mutants as a new model of mitochondrial ATP synthase disorders. PLoS ONE, 2018, 13, e0201811.	1.1	7
20	Protective effects of superoxide dismutation activity in genetic models of Parkinsonâ€™s disease. Parkinsonism and Related Disorders, 2016, 22, e88.	1.1	0
21	Comprehensive Genetic Characterisation of Mitochondrial Ca2+ Uniporter Components Reveals Their Different Physiological Requirements in Vivo. SSRN Electronic Journal, 0, , .	0.4	0