Zhiyin Song

List of Publications by Year
in descending order

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25 papers	3,633 citations	394421 19 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	4836 citing authors

#	Article	IF	Citations
1	The fate of damaged mitochondrial DNA in the cell. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119233.	4.1	13
2	Loss of Sam50 in hepatocytes induces cardiolipinâ€dependent mitochondrial membrane remodeling to trigger mtDNA release and liver injury. Hepatology, 2022, 76, 1389-1408.	7.3	31
3	Reply to the comment on â€œLoss of Sam50 in hepatocytes induces cardiolipinâ€dependent mitochondrial membrane remodeling to trigger mtDNA release and liver injury". Hepatology, 2022, , .	7.3	0
4	ATAD3B is a mitophagy receptor mediating clearance of oxidative stressâ€induced damaged mitochondrial DNA. EMBO Journal, 2021, 40, e106283.	7.8	44
5	Mitochondrial dysfunction induces radioresistance in colorectal cancer by activating [Ca2+]m-PDP1-PDH-histone acetylation retrograde signaling. Cell Death and Disease, 2021, 12, 837.	6.3	20
6	OMA1 reprograms metabolism under hypoxia to promote colorectal cancer development. EMBO Reports, 2021, 22, e50827.	4.5	69
7	Sam50â€“Mic19â€“Mic60 axis determines mitochondrial cristae architecture by mediating mitochondrial outer and inner membrane contact. Cell Death and Differentiation, 2020, 27, 146-160.	11.2	64
8	PHB2 (prohibitin 2) promotes PINK1-PRKN/Parkin-dependent mitophagy by the PARL-PGAM5-PINK1 axis. Autophagy, 2020, 16, 419-434.	9.1	202
9	The Paf1 complex transcriptionally regulates the mitochondrial-anchored protein Atg32 leading to activation of mitophagy. Autophagy, 2020, 16, 1366-1379.	9.1	26
10	Diet and Adaptive Evolution of Alanine-Glyoxylate Aminotransferase Mitochondrial Targeting in Birds. Molecular Biology and Evolution, 2020, 37, 786-798.	8.9	11
11	OPA1 and MICOS Regulate mitochondrial crista dynamics and formation. Cell Death and Disease, 2020, 11, 940.	6.3	68
12	OPA1-Exon4b Binds to mtDNA D-Loop for Transcriptional and Metabolic Modulation, Independent of Mitochondrial Fusion. Frontiers in Cell and Developmental Biology, 2020, 8, 180.	3.7	17
13	Mitochondrial DNA: Distribution, Mutations, and Elimination. Cells, 2019, 8, 379.	4.1	141
14	Sam50 Regulates PINK1-Parkin-Mediated Mitophagy by Controlling PINK1 Stability and Mitochondrial Morphology. Cell Reports, 2018, 23, 2989-3005.	6.4	86
15	The p53â€inducible long noncoding <scp>RNA TRINGS</scp> protects cancer cells from necrosis under glucoseÂstarvation. EMBO Journal, 2017, 36, 3483-3500.	7.8	66
16	<scp>SAMM</scp>50 Affects Mitochondrial Morphology through the Association of Drp1 in Mammalian Cells. FEBS Letters, 2016, 590, 1313-1323.	2.8	19
17	Restoration of Opa1-long isoform inhibits retinal injury-induced neurodegeneration. Journal of Molecular Medicine, 2016, 94, 335-346.	3.9	36
18	Mitofilin and CHCHD6 physically interact with Sam50 to sustain cristae structure. Scientific Reports, 2015, 5, 16064.	3.3	99

#	Article	IF	Citations
19	The daily rhythms of mitochondrial gene expression and oxidative stress regulation are altered by aging in the mouse liver. Chronobiology International, 2015, 32, 1254-1263.	2.0	35
20	A small natural molecule promotes mitochondrial fusion through inhibition of the deubiquitinase USP30. Cell Research, 2014, 24, 482-496.	12.0	170
21	Membrane depolarization activates the mitochondrial protease <scp>OMA</scp> 1 by stimulating selfâ€cleavage. EMBO Reports, 2014, 15, 576-585.	4.5	132
22	Fis1, Mff, MiD49, and MiD51 mediate Drp1 recruitment in mitochondrial fission. Molecular Biology of the Cell, 2013, 24, 659-667.	2.1	928
23	OPA1 disease alleles causing dominant optic atrophy have defects in cardiolipin-stimulated GTP hydrolysis and membrane tubulation. Human Molecular Genetics, 2010, 19, 2113-2122.	2.9	190
24	Mitofusins and OPA1 Mediate Sequential Steps in Mitochondrial Membrane Fusion. Molecular Biology of the Cell, 2009, 20, 3525-3532.	2.1	470
25	OPA1 processing controls mitochondrial fusion and is regulated by mRNA splicing, membrane potential, and Yme1L. Journal of Cell Biology, 2007, 178, 749-755.	5.2	696