

Zhiyin Song

List of Publications by Year in descending order

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Version: 2024-02-01

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	Fis1, Mff, MiD49, and MiD51 mediate Drp1 recruitment in mitochondrial fission. <i>Molecular Biology of the Cell</i> , 2013, 24, 659-667.	2.1	928
2	OPA1 processing controls mitochondrial fusion and is regulated by mRNA splicing, membrane potential, and Yme1L. <i>Journal of Cell Biology</i> , 2007, 178, 749-755.	5.2	696
3	Mitofusins and OPA1 Mediate Sequential Steps in Mitochondrial Membrane Fusion. <i>Molecular Biology of the Cell</i> , 2009, 20, 3525-3532.	2.1	470
4	PHB2 (prohibitin 2) promotes PINK1-PRKN/Parkin-dependent mitophagy by the PARL-PGAM5-PINK1 axis. <i>Autophagy</i> , 2020, 16, 419-434.	9.1	202
5	OPA1 disease alleles causing dominant optic atrophy have defects in cardiolipin-stimulated GTP hydrolysis and membrane tubulation. <i>Human Molecular Genetics</i> , 2010, 19, 2113-2122.	2.9	190
6	A small natural molecule promotes mitochondrial fusion through inhibition of the deubiquitinase USP30. <i>Cell Research</i> , 2014, 24, 482-496.	12.0	170
7	Mitochondrial DNA: Distribution, Mutations, and Elimination. <i>Cells</i> , 2019, 8, 379.	4.1	141
8	Membrane depolarization activates the mitochondrial protease OMA1 by stimulating self-cleavage. <i>EMBO Reports</i> , 2014, 15, 576-585.	4.5	132
9	Mitofilin and CHCHD6 physically interact with Sam50 to sustain cristae structure. <i>Scientific Reports</i> , 2015, 5, 16064.	3.3	99
10	Sam50 Regulates PINK1-Parkin-Mediated Mitophagy by Controlling PINK1 Stability and Mitochondrial Morphology. <i>Cell Reports</i> , 2018, 23, 2989-3005.	6.4	86
11	OMA1 reprograms metabolism under hypoxia to promote colorectal cancer development. <i>EMBO Reports</i> , 2021, 22, e50827.	4.5	69
12	OPA1 and MICOS Regulate mitochondrial crista dynamics and formation. <i>Cell Death and Disease</i> , 2020, 11, 940.	6.3	68
13	The p53-inducible long noncoding RNA TRINGS protects cancer cells from necrosis under glucose starvation. <i>EMBO Journal</i> , 2017, 36, 3483-3500.	7.8	66
14	Sam50-Mic19-Mic60 axis determines mitochondrial cristae architecture by mediating mitochondrial outer and inner membrane contact. <i>Cell Death and Differentiation</i> , 2020, 27, 146-160.	11.2	64
15	ATAD3B is a mitophagy receptor mediating clearance of oxidative stress-induced damaged mitochondrial DNA. <i>EMBO Journal</i> , 2021, 40, e106283.	7.8	44
16	Restoration of Opa1-long isoform inhibits retinal injury-induced neurodegeneration. <i>Journal of Molecular Medicine</i> , 2016, 94, 335-346.	3.9	36
17	The daily rhythms of mitochondrial gene expression and oxidative stress regulation are altered by aging in the mouse liver. <i>Chronobiology International</i> , 2015, 32, 1254-1263.	2.0	35
18	Loss of Sam50 in hepatocytes induces cardiolipin-dependent mitochondrial membrane remodeling to trigger mtDNA release and liver injury. <i>Hepatology</i> , 2022, 76, 1389-1408.	7.3	31

#	ARTICLE	IF	CITATIONS
19	The Paf1 complex transcriptionally regulates the mitochondrial-anchored protein Atg32 leading to activation of mitophagy. <i>Autophagy</i> , 2020, 16, 1366-1379.	9.1	26
20	Mitochondrial dysfunction induces radioresistance in colorectal cancer by activating [Ca ²⁺] _m -PDP1-PDH-histone acetylation retrograde signaling. <i>Cell Death and Disease</i> , 2021, 12, 837.	6.3	20
21	<scp>SAMM</scp> 50 Affects Mitochondrial Morphology through the Association of Drp1 in Mammalian Cells. <i>FEBS Letters</i> , 2016, 590, 1313-1323.	2.8	19
22	OPA1-Exon4b Binds to mtDNA D-Loop for Transcriptional and Metabolic Modulation, Independent of Mitochondrial Fusion. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 180.	3.7	17
23	The fate of damaged mitochondrial DNA in the cell. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119233.	4.1	13
24	Diet and Adaptive Evolution of Alanine-Glyoxylate Aminotransferase Mitochondrial Targeting in Birds. <i>Molecular Biology and Evolution</i> , 2020, 37, 786-798.	8.9	11
25	Reply to the comment on "Loss of Sam50 in hepatocytes induces cardiolipin-dependent mitochondrial membrane remodeling to trigger mtDNA release and liver injury". <i>Hepatology</i> , 2022, , .	7.3	0