Miho

List of Publications by Year
in descending order

28 papers	1,967 citations	394421 19 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	2904 citing authors

#	Article	IF	Citations
1	Parkinâ€independent mitophagy requires <scp>D</scp>rp1 and maintains the integrity of mammalian heart and brain. EMBO Journal, 2014, 33, 2798-2813.	7.8	361
2	UGO1 Encodes an Outer Membrane Protein Required for Mitochondrial Fusion. Journal of Cell Biology, 2001, 152, 1123-1134.	5.2	215
3	Phosphatidic Acid and Cardiolipin Coordinate Mitochondrial Dynamics. Trends in Cell Biology, 2018, 28, 67-76.	7.9	186
4	Mitochondrial division and fusion in metabolism. Current Opinion in Cell Biology, 2015, 33, 111-118.	5.4	174
5	Coincident Phosphatidic Acid Interaction Restrains Drp1 in Mitochondrial Division. Molecular Cell, 2016, 63, 1034-1043.	9.7	150
6	Cells lacking Pcp1p/Ugo2p, a rhomboid-like protease required for Mgm1p processing, lose mtDNA and mitochondrial structure in a Dnm1p-dependent manner, but remain competent for mitochondrial fusion. Biochemical and Biophysical Research Communications, 2003, 308, 276-283.	2.1	122
7	SQSTM1/p62 promotes mitochondrial ubiquitination independently of PINK1 and PRKN/parkin in mitophagy. Autophagy, 2019, 15, 2012-2018.	9.1	93
8	Ups1p, a conserved intermembrane space protein, regulates mitochondrial shape and alternative topogenesis of Mgm1p. Journal of Cell Biology, 2006, 173, 651-658.	5.2	92
9	Mitochondrial division: molecular machinery and physiological functions. Current Opinion in Cell Biology, 2011, 23, 427-434.	5.4	89
10	Myosin I Links PIP ₃ Signaling to Remodeling of the Actin Cytoskeleton in Chemotaxis. Science Signaling, 2012, 5, ra10.	3.6	65
11	Engineering ePTEN, an enhanced PTEN with increased tumor suppressor activities. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2684-93.	7.1	60
12	Phosphorylated Rhoâ€“GDP directly activates mTORC2 kinase towards AKT through dimerization with Rasâ€“GTP to regulate cell migration. Nature Cell Biology, 2019, 21, 867-878.	10.3	58
13	A brain-enriched Drp1 isoform associates with lysosomes, late endosomes, and the plasma membrane. Journal of Biological Chemistry, 2018, 293, 11809-11822.	3.4	46
14	Biosynthesis and roles of phospholipids in mitochondrial fusion, division and mitophagy. Cellular and Molecular Life Sciences, 2014, 71, 3767-3778.	5.4	42
15	Parkin suppresses Drp1-independent mitochondrial division. Biochemical and Biophysical Research Communications, 2016, 475, 283-288.	2.1	41
16	Mitochondrial division, fusion and degradation. Journal of Biochemistry, 2020, 167, 233-241.	1.7	40
17	An unstructured loop that is critical for interactions of the stalk domain of Drp1 with saturated phosphatidic acid. Small GTPases, 2018, 9, 472-479.	1.6	23
18	Dynamin-Related Protein 1 Deficiency Leads to Receptor-Interacting Protein Kinase 3â€“Mediated Necroptotic Neurodegeneration. American Journal of Pathology, 2016, 186, 2798-2802.	3.8	21

#	Article	IF	Citations
19	Nuclear PTEN deficiency causes microcephaly with decreased neuronal soma size and increased seizure susceptibility. Journal of Biological Chemistry, 2018, 293, 9292-9300.	3.4	21
20	Mitochondrial division prevents neurodegeneration. Autophagy, 2012, 8, 1531-1533.	9.1	18
21	p62/sequestosome-1 knockout delays neurodegeneration induced by Drp1 loss. Neurochemistry International, 2018, 117, 77-81.	3.8	15
22	Nuclear PTEN and p53 suppress stress-induced liver cancer through distinct mechanisms. Biochemical and Biophysical Research Communications, 2021, 549, 83-90.	2.1	10
23	PARK2/Parkin becomes critical when DNM1L/Drp1 is absent. Autophagy, 2015, 11, 573-574.	9.1	9
24	A GPCR Handles Bacterial Sensing in Chemotaxis and Phagocytosis. Developmental Cell, 2016, 36, 354-356.	7.0	5
25	Making a Division Apparatus on Mitochondria. Trends in Biochemical Sciences, 2016, 41, 209-210.	7.5	5
26	Cyclin C: An Inducer of Mitochondrial Division Hidden in the Nucleus. Developmental Cell, 2014, 28, 112-114.	7.0	2
27	Nuclear PTEN deficiency and heterozygous PTEN loss have distinct impacts on brain and lymph node size. Biochemical and Biophysical Research Communications, 2021, 555, 81-88.	2.1	2
28	Generating a new mouse model for nuclear PTEN deficiency by a single K13R mutation. Genes To Cells, 2021, , .	1.2	2