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	Nuclear PTEN and p53 suppress stress-induced liver cancer through distinct mechanisms. Biochemical and Biophysical Research Communications, 2021, 549, 83-90.	2.1	10
2	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
3	Generating a new mouse model for nuclear PTEN deficiency by a single K13R mutation. Genes To Cells, 2021, , .	1.2	2
4	Mitochondrial division, fusion and degradation. Journal of Biochemistry, 2020, 167, 233-241.	1.7	40
5	SQSTM1/p62 promotes mitochondrial ubiquitination independently of PINK1 and PRKN/parkin in mitophagy. Autophagy, 2019, 15, 2012-2018.	9.1	93
6	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
7	p62/sequestosome-1 knockout delays neurodegeneration induced by Drp1 loss. Neurochemistry International, 2018, 117, 77-81.	3.8	15
8	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
9	Phosphatidic Acid and Cardiolipin Coordinate Mitochondrial Dynamics. Trends in Cell Biology, 2018, 28, 67-76.	7.9	186
10	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
11	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
12	Parkin suppresses Drp1-independent mitochondrial division. Biochemical and Biophysical Research Communications, 2016, 475, 283-288.	2.1	41
13	Coincident Phosphatidic Acid Interaction Restrains Drp1 in Mitochondrial Division. Molecular Cell, 2016, 63, 1034-1043.	9.7	150
14	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
15	A GPCR Handles Bacterial Sensing in Chemotaxis and Phagocytosis. Developmental Cell, 2016, 36, 354-356.	7.0	5
16	Making a Division Apparatus on Mitochondria. Trends in Biochemical Sciences, 2016, 41, 209-210.	7.5	5
17	Mitochondrial division and fusion in metabolism. Current Opinion in Cell Biology, 2015, 33, 111-118.	5.4	174
18	PARK2/Parkin becomes critical when DNM1L/Drp1 is absent. Autophagy, 2015, 11, 573-574.	9.1	9

#	Article	IF	Citations
19	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
20	Cyclin C: An Inducer of Mitochondrial Division Hidden in the Nucleus. Developmental Cell, 2014, 28, 112-114.	7.0	2
21	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
22	Biosynthesis and roles of phospholipids in mitochondrial fusion, division and mitophagy. Cellular and Molecular Life Sciences, 2014, 71, 3767-3778.	5.4	42
23	Mitochondrial division prevents neurodegeneration. Autophagy, 2012, 8, 1531-1533.	9.1	18
24	Myosin I Links PIP ₃ Signaling to Remodeling of the Actin Cytoskeleton in Chemotaxis. Science Signaling, 2012, 5, ra10.	3.6	65
25	Mitochondrial division: molecular machinery and physiological functions. Current Opinion in Cell Biology, 2011, 23, 427-434.	5.4	89
26	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
27	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
28	UGO1 Encodes an Outer Membrane Protein Required for Mitochondrial Fusion. Journal of Cell Biology, 2001, 152, 1123-1134.	5.2	215