Yushan Zhu

List of Publications by Year
in descending order

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42 papers	5,148 citations	147801 31 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	8546 citing authors

#	Article	IF	Citations
1	Selective autophagy of intracellular organelles: Recent research advances. Theranostics, 2021, 11, 222-256.	10.0	207
2	Mitophagy receptor FUNDC1 is regulated by PGCâ€1Î±/NRF1 to fine tune mitochondrial homeostasis. EMBO Reports, 2021, 22, e50629.	4.5	58
3	PTBP1 is necessary for dendritic cells to regulate Tâ€cell homeostasis and antitumour immunity. Immunology, 2021, 163, 74-85.	4.4	13
4	Receptor-mediated mitophagy regulates EPO production and protects against renal anemia. ELife, 2021, 10, .	6.0	11
5	Dynamic PGAM5 multimers dephosphorylate BCL-xL or FUNDC1 to regulate mitochondrial and cellular fate. Cell Death and Differentiation, 2020, 27, 1036-1051.	11.2	81
6	Monitoring TFEB translocation. Methods in Cell Biology, 2020, 164, 1-9.	1.1	2
7	Mitophagy, Mitochondrial Homeostasis, and Cell Fate. Frontiers in Cell and Developmental Biology, 2020, 8, 467.	3.7	296
8	Mitophagy and Its Contribution to Metabolic and Aging-Associated Disorders. Antioxidants and Redox Signaling, 2020, 32, 906-927.	5.4	35
9	The SIAH2-NRF1 axis spatially regulates tumor microenvironment remodeling for tumor progression. Nature Communications, 2019, 10, 1034.	12.8	56
10	RAB2 regulates the formation of autophagosome and autolysosome in mammalian cells. Autophagy, 2019, 15, 1774-1786.	9.1	74
11	A mitochondrial FUNDC1/HSC70 interaction organizes the proteostatic stress response at the risk of cell morbidity. EMBO Journal, 2019, 38, .	7.8	73
12	Mitochondria organize the cellular proteostatic response and promote cellular senescence. Cell Stress, 2019, 3, 110-114.	3.2	7
13	Sam50 Regulates PINK1-Parkin-Mediated Mitophagy by Controlling PINK1 Stability and Mitochondrial Morphology. Cell Reports, 2018, 23, 2989-3005.	6.4	86
14	Mitochondrial E3 ligase <scp>MARCH</scp> 5 regulates <scp>FUNDC</scp> 1 to fineâ€tune hypoxic mitophagy. EMBO Reports, 2017, 18, 495-509.	4.5	197
15	Regulation of mATG9 trafficking by Src- and ULK1-mediated phosphorylation in basal and starvation-induced autophagy. Cell Research, 2017, 27, 184-201.	12.0	147
16	Sequences flanking the transmembrane segments facilitate mitochondrial localization and membrane fusion by mitofusin. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9863-E9872.	7.1	34
17	Structural basis for the phosphorylation of FUNDC1 LIR as a molecular switch of mitophagy. Autophagy, 2016, 12, 2363-2373.	9.1	101
18	Zyxin-Siah2â€“Lats2 axis mediates cooperation between Hippo and TGF-Î² signalling pathways. Nature Communications, 2016, 7, 11123.	12.8	83

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19	Parkin promotes proteasomal degradation of p62: implication of selective vulnerability of neuronal cells in the pathogenesis of Parkinsonâ€™s disease. Protein and Cell, 2016, 7, 114-129.	11.0	85
20	Mitochondrial outer-membrane E3 ligase MUL1 ubiquitinates ULK1 and regulates selenite-induced mitophagy. Autophagy, 2015, 11, 1216-1229.	9.1	111
21	A New Fungal Diterpene Induces VDAC1-dependent Apoptosis in Bax/Bak-deficient Cells. Journal of Biological Chemistry, 2015, 290, 23563-23578.	3.4	42
22	Hypoxia regulates Hippo signalling through the SIAH2 ubiquitin E3 ligase. Nature Cell Biology, 2015, 17, 95-103.	10.3	199
23	The BCL2L1 and PGAM5 axis defines hypoxia-induced receptor-mediated mitophagy. Autophagy, 2014, 10, 1712-1725.	9.1	145
24	Monitoring Mitophagy in Mammalian Cells. Methods in Enzymology, 2014, 547, 39-55.	1.0	27
25	A Regulatory Signaling Loop Comprising the PGAM5 Phosphatase and CK2 Controls Receptor-Mediated Mitophagy. Molecular Cell, 2014, 54, 362-377.	9.7	433
26	Structural and mechanistic insights into MICU1 regulation of mitochondrial calcium uptake. EMBO Journal, 2014, 33, 594-604.	7.8	110
27	Drp1 Is Dispensable for Mitochondria Biogenesis in Induction to Pluripotency but Required for Differentiation of Embryonic Stem Cells. Stem Cells and Development, 2014, 23, 2422-2434.	2.1	43
28	Mitochondrial Toxic Effects of AÎ² Through Mitofusins in the Early Pathogenesis of Alzheimerâ€™s Disease. Molecular Neurobiology, 2014, 50, 986-996.	4.0	32
29	A diterpenoid derivate compound targets selenocysteine of thioredoxin reductases and induces Bax/Bak-independent apoptosis. Free Radical Biology and Medicine, 2013, 63, 485-494.	2.9	27
30	Molecular signaling toward mitophagy and its physiological significance. Experimental Cell Research, 2013, 319, 1697-1705.	2.6	89
31	Phosphorylation Events in Selective Mitophagy: Possible Biochemical Markers?. Current Pathobiology Reports, 2013, 1, 273-282.	3.4	2
32	CD44-Positive Cancer Stem Cells Expressing Cellular Prion Protein Contribute to Metastatic Capacity in Colorectal Cancer. Cancer Research, 2013, 73, 2682-2694.	0.9	84
33	Reciprocal Interactions between Tumor-Associated Macrophages and CD44-Positive Cancer Cells via Osteopontin/CD44 Promote Tumorigenicity in Colorectal Cancer. Clinical Cancer Research, 2013, 19, 785-797.	7.0	105
34	Caspase cleavage of cytochrome c1 disrupts mitochondrial function and enhances cytochrome c release. Cell Research, 2012, 22, 127-141.	12.0	46
35	Phenylarsine Oxide Induces Apoptosis in Bax- and Bak-Deficient Cells through Upregulation of Bim. Clinical Cancer Research, 2012, 18, 140-151.	7.0	9
36	Natural Diterpenoid Compound Elevates Expression of Bim Protein, Which Interacts with Antiapoptotic Protein Bcl-2, Converting It to Proapoptotic Bax-like Molecule. Journal of Biological Chemistry, 2012, 287, 1054-1065.	3.4	31

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37	Mitochondrial outer-membrane protein FUNDC1 mediates hypoxia-induced mitophagy in mammalianÂcells. Nature Cell Biology, 2012, 14, 177-185.	10.3	1,227
38	Parkin Ubiquitinates Drp1 for Proteasome-dependent Degradation. Journal of Biological Chemistry, 2011, 286, 11649-11658.	3.4	310
39	Beclin 1 cleavage by caspase-3 inactivates autophagy and promotes apoptosis. Protein and Cell, 2010, 1, 468-477.	11.0	208
40	The Bcl-2 Homology Domain 3 Mimetic Gossypol Induces Both Beclin 1-dependent and Beclin 1-independent Cytoprotective Autophagy in Cancer Cells. Journal of Biological Chemistry, 2010, 285, 25570-25581.	3.4	112
41	Morphine induces Beclin 1- and ATG5-dependent autophagy in human neuroblastoma SH-SY5Y cells and in the rat hippocampus. Autophagy, 2010, 6, 386-394.	9.1	67
42	G-protein Î²2 subunit interacts with mitofusin 1 to regulate mitochondrial fusion. Nature Communications, 2010, 1, 101.	12.8	42