

Yushan Zhu

List of Publications by Year in descending order

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42
papers

5,148
citations

147801

31
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265206

42
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all docs

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docs citations

45
times ranked

8546
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial outer-membrane protein FUNDC1 mediates hypoxia-induced mitophagy in mammalian cells. <i>Nature Cell Biology</i> , 2012, 14, 177-185.	10.3	1,227
2	A Regulatory Signaling Loop Comprising the PGAM5 Phosphatase and CK2 Controls Receptor-Mediated Mitophagy. <i>Molecular Cell</i> , 2014, 54, 362-377.	9.7	433
3	Parkin Ubiquitinates Drp1 for Proteasome-dependent Degradation. <i>Journal of Biological Chemistry</i> , 2011, 286, 11649-11658.	3.4	310
4	Mitophagy, Mitochondrial Homeostasis, and Cell Fate. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 467.	3.7	296
5	Beclin 1 cleavage by caspase-3 inactivates autophagy and promotes apoptosis. <i>Protein and Cell</i> , 2010, 1, 468-477.	11.0	208
6	Selective autophagy of intracellular organelles: Recent research advances. <i>Theranostics</i> , 2021, 11, 222-256.	10.0	207
7	Hypoxia regulates Hippo signalling through the SIAH2 ubiquitin E3 ligase. <i>Nature Cell Biology</i> , 2015, 17, 95-103.	10.3	199
8	Mitochondrial E3 ligase MARCH 5 regulates FUNDC1 to fine-tune hypoxic mitophagy. <i>EMBO Reports</i> , 2017, 18, 495-509.	4.5	197
9	Regulation of mATG9 trafficking by Src- and ULK1-mediated phosphorylation in basal and starvation-induced autophagy. <i>Cell Research</i> , 2017, 27, 184-201.	12.0	147
10	The BCL2L1 and PGAM5 axis defines hypoxia-induced receptor-mediated mitophagy. <i>Autophagy</i> , 2014, 10, 1712-1725.	9.1	145
11	The Bcl-2 Homology Domain 3 Mimetic Gossypol Induces Both Beclin 1-dependent and Beclin 1-independent Cytoprotective Autophagy in Cancer Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 25570-25581.	3.4	112
12	Mitochondrial outer-membrane E3 ligase MUL1 ubiquitinates ULK1 and regulates selenite-induced mitophagy. <i>Autophagy</i> , 2015, 11, 1216-1229.	9.1	111
13	Structural and mechanistic insights into MICU1 regulation of mitochondrial calcium uptake. <i>EMBO Journal</i> , 2014, 33, 594-604.	7.8	110
14	Reciprocal Interactions between Tumor-Associated Macrophages and CD44-Positive Cancer Cells via Osteopontin/CD44 Promote Tumorigenicity in Colorectal Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 785-797.	7.0	105
15	Structural basis for the phosphorylation of FUNDC1 LIR as a molecular switch of mitophagy. <i>Autophagy</i> , 2016, 12, 2363-2373.	9.1	101
16	Molecular signaling toward mitophagy and its physiological significance. <i>Experimental Cell Research</i> , 2013, 319, 1697-1705.	2.6	89
17	Sam50 Regulates PINK1-Parkin-Mediated Mitophagy by Controlling PINK1 Stability and Mitochondrial Morphology. <i>Cell Reports</i> , 2018, 23, 2989-3005.	6.4	86
18	Parkin promotes proteasomal degradation of p62: implication of selective vulnerability of neuronal cells in the pathogenesis of Parkinson's disease. <i>Protein and Cell</i> , 2016, 7, 114-129.	11.0	85

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19	CD44-Positive Cancer Stem Cells Expressing Cellular Prion Protein Contribute to Metastatic Capacity in Colorectal Cancer. <i>Cancer Research</i> , 2013, 73, 2682-2694.	0.9	84
20	Zyxin-Siah2/Lats2 axis mediates cooperation between Hippo and TGF- β 2 signalling pathways. <i>Nature Communications</i> , 2016, 7, 11123.	12.8	83
21	Dynamic PGAM5 multimers dephosphorylate BCL-xL or FUNDC1 to regulate mitochondrial and cellular fate. <i>Cell Death and Differentiation</i> , 2020, 27, 1036-1051.	11.2	81
22	RAB2 regulates the formation of autophagosome and autolysosome in mammalian cells. <i>Autophagy</i> , 2019, 15, 1774-1786.	9.1	74
23	A mitochondrial FUNDC1/HSC70 interaction organizes the proteostatic stress response at the risk of cell morbidity. <i>EMBO Journal</i> , 2019, 38, .	7.8	73
24	Morphine induces Beclin 1- and ATG5-dependent autophagy in human neuroblastoma SH-SY5Y cells and in the rat hippocampus. <i>Autophagy</i> , 2010, 6, 386-394.	9.1	67
25	Mitophagy receptor FUNDC1 is regulated by PGC-1 α /NRF1 to fine tune mitochondrial homeostasis. <i>EMBO Reports</i> , 2021, 22, e50629.	4.5	58
26	The SIAH2-NRF1 axis spatially regulates tumor microenvironment remodeling for tumor progression. <i>Nature Communications</i> , 2019, 10, 1034.	12.8	56
27	Caspase cleavage of cytochrome c1 disrupts mitochondrial function and enhances cytochrome c release. <i>Cell Research</i> , 2012, 22, 127-141.	12.0	46
28	<i>Drp1</i> Is Dispensable for Mitochondria Biogenesis in Induction to Pluripotency but Required for Differentiation of Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2014, 23, 2422-2434.	2.1	43
29	G-protein β 2 subunit interacts with mitofusin 1 to regulate mitochondrial fusion. <i>Nature Communications</i> , 2010, 1, 101.	12.8	42
30	A New Fungal Diterpene Induces VDAC1-dependent Apoptosis in Bax/Bak-deficient Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 23563-23578.	3.4	42
31	Mitophagy and Its Contribution to Metabolic and Aging-Associated Disorders. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 906-927.	5.4	35
32	Sequences flanking the transmembrane segments facilitate mitochondrial localization and membrane fusion by mitofusin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9863-E9872.	7.1	34
33	Mitochondrial Toxic Effects of A β 2 Through Mitofusins in the Early Pathogenesis of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2014, 50, 986-996.	4.0	32
34	Natural Diterpenoid Compound Elevates Expression of Bim Protein, Which Interacts with Antiapoptotic Protein Bcl-2, Converting It to Proapoptotic Bax-like Molecule. <i>Journal of Biological Chemistry</i> , 2012, 287, 1054-1065.	3.4	31
35	A diterpenoid derivate compound targets selenocysteine of thioredoxin reductases and induces Bax/Bak-independent apoptosis. <i>Free Radical Biology and Medicine</i> , 2013, 63, 485-494.	2.9	27
36	Monitoring Mitophagy in Mammalian Cells. <i>Methods in Enzymology</i> , 2014, 547, 39-55.	1.0	27

#	ARTICLE	IF	CITATIONS
37	PTBP1 is necessary for dendritic cells to regulate Tâ€cell homeostasis and antitumour immunity. Immunology, 2021, 163, 74-85.	4.4	13
38	Receptor-mediated mitophagy regulates EPO production and protects against renal anemia. ELife, 2021, 10, .	6.0	11
39	Phenylarsine Oxide Induces Apoptosis in Bax- and Bak-Deficient Cells through Upregulation of Bim. Clinical Cancer Research, 2012, 18, 140-151.	7.0	9
40	Mitochondria organize the cellular proteostatic response and promote cellular senescence. Cell Stress, 2019, 3, 110-114.	3.2	7
41	Phosphorylation Events in Selective Mitophagy: Possible Biochemical Markers?. Current Pathobiology Reports, 2013, 1, 273-282.	3.4	2
42	Monitoring TFEB translocation. Methods in Cell Biology, 2020, 164, 1-9.	1.1	2