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List of Publications by Year
in descending order

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68 papers	21,578 citations	53794 45 h-index	95266 68 g-index
71 all docs	71 docs citations	71 times ranked	35069 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Autophagy and the Integrated Stress Response. Molecular Cell, 2010, 40, 280-293.	9.7	2,982
4	Autophagy and Aging. Cell, 2011, 146, 682-695.	28.9	1,809
5	Self-consumption: the interplay of autophagy and apoptosis. Nature Reviews Molecular Cell Biology, 2014, 15, 81-94.	37.0	1,769
6	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. Journal of Cell Biology, 2011, 192, 615-629.	5.2	439
7	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. Molecular Cell, 2014, 53, 710-725.	9.7	412
8	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. Cancer Cell, 2016, 30, 147-160.	16.8	410
9	An Immunosurveillance Mechanism Controls Cancer Cell Ploidy. Science, 2012, 337, 1678-1684.	12.6	367
10	Tissue-specific Autophagy Alterations and Increased Tumorigenesis in Mice Deficient in Atg4C/Autophagin-3. Journal of Biological Chemistry, 2007, 282, 18573-18583.	3.4	360
11	Programmed mitophagy is essential for the glycolytic switch during cell differentiation. EMBO Journal, 2017, 36, 1688-1706.	7.8	245
12	Cytoplasmic STAT3 Represses Autophagy by Inhibiting PKR Activity. Molecular Cell, 2012, 48, 667-680.	9.7	239
13	Spermidine induces autophagy by inhibiting the acetyltransferase EP300. Cell Death and Differentiation, 2015, 22, 509-516.	11.2	237
14	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. Cell Metabolism, 2014, 19, 431-444.	16.2	221
15	Aging and chronic DNA damage response activate a regulatory pathway involving miR-29 and p53. EMBO Journal, 2011, 30, 2219-2232.	7.8	216
16	Autophagy: molecular mechanisms, physiological functions and relevance in human pathology. Cellular and Molecular Life Sciences, 2004, 61, 1439-1454.	5.4	203
17	Autophagy promotes survival of retinal ganglion cells after optic nerve axotomy in mice. Cell Death and Differentiation, 2012, 19, 162-169.	11.2	196
18	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. PLoS Genetics, 2014, 10, e1004347.	3.5	192

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19	Human Autophagins, a Family of Cysteine Proteinases Potentially Implicated in Cell Degradation by Autophagy. Journal of Biological Chemistry, 2003, 278, 3671-3678.	3.4	189
20	Autophagy for tissue homeostasis and neuroprotection. Current Opinion in Cell Biology, 2011, 23, 198-206.	5.4	182
21	Autophagy inhibition radiosensitizes in vitro, yet reduces radioresponses in vivo due to deficient immunogenic signalling. Cell Death and Differentiation, 2014, 21, 92-99.	11.2	181
22	AMPK: Regulation of Metabolic Dynamics in the Context of Autophagy. International Journal of Molecular Sciences, 2018, 19, 3812.	4.1	176
23	Autophagy is essential for mouse sense of balance. Journal of Clinical Investigation, 2010, 120, 2331-2344.	8.2	167
24	Autophagic removal of micronuclei. Cell Cycle, 2012, 11, 170-176.	2.6	162
25	Mechanisms of apoptotic phosphatidylserine exposure. Cell Research, 2013, 23, 1247-1248.	12.0	150
26	Unsaturated fatty acids induce nonâ€canonical autophagy. EMBO Journal, 2015, 34, 1025-1041.	7.8	147
27	Premature aging in mice activates a systemic metabolic response involving autophagy induction. Human Molecular Genetics, 2008, 17, 2196-2211.	2.9	141
28	p53 inhibits autophagy by interacting with the human ortholog of yeast Atg17, RB1CC1/FIP200. Cell Cycle, 2011, 10, 2763-2769.	2.6	131
29	Methionine Restriction Extends Lifespan in Progeroid Mice and Alters Lipid and Bile Acid Metabolism. Cell Reports, 2018, 24, 2392-2403.	6.4	125
30	Insulin-like growth factor 1 treatment extends longevity in a mouse model of human premature aging by restoring somatotroph axis function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16268-16273.	7.1	124
31	BH3 mimetics activate multiple pro-autophagic pathways. Oncogene, 2011, 30, 3918-3929.	5.9	111
32	Autophagy is required for the activation of NFÎºB. Cell Cycle, 2012, 11, 194-199.	2.6	107
33	Aspirin Recapitulates Features of Caloric Restriction. Cell Reports, 2018, 22, 2395-2407.	6.4	98
34	Pro-autophagic polyphenols reduce the acetylation of cytoplasmic proteins. Cell Cycle, 2012, 11, 3851-3860.	2.6	91
35	Caloric restriction mimetics: natural/physiological pharmacological autophagy inducers. Autophagy, 2014, 10, 1879-1882.	9.1	91
36	Oncosuppressive Functions of Autophagy. Antioxidants and Redox Signaling, 2011, 14, 2251-2269.	5.4	86

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37	Inhibition of autophagy by TAB2 and TAB3. EMBO Journal, 2011, 30, 4908-4920.	7.8	85
38	ATG4B/autophagin-1 regulates intestinal homeostasis and protects mice from experimental colitis. Autophagy, 2013, 9, 1188-1200.	9.1	81
39	Autophagy couteracts weight gain, lipotoxicity and pancreatic Î²-cell death upon hypercaloric pro-diabetic regimens. Cell Death and Disease, 2017, 8, e2970-e2970.	6.3	78
40	Proteomic Profiling of Adipose Tissue from Zmpste24â^'/â^' Mice, a Model of Lipodystrophy and Premature Aging, Reveals Major Changes in Mitochondrial Function and Vimentin Processing. Molecular and Cellular Proteomics, 2011, 10, M111.008094.	3.8	56
41	Neuroendocrine regulation of autophagy by leptin. Cell Cycle, 2011, 10, 2917-2923.	2.6	52
42	Coffee induces autophagy in vivo. Cell Cycle, 2014, 13, 1987-1994.	2.6	49
43	Ammonia: A Diffusible Factor Released by Proliferating Cells That Induces Autophagy. Science Signaling, 2010, 3, pe19.	3.6	48
44	Direct interaction between STAT3 and EIF2AK2 controls fatty acid-induced autophagy. Autophagy, 2013, 9, 415-417.	9.1	48
45	Selective killing of p53â€deficient cancer cells by SP600125. EMBO Molecular Medicine, 2012, 4, 500-514.	6.9	47
46	Dimethyl Î±-ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. Autophagy, 2014, 10, 930-932.	9.1	45
47	Acetyl-coenzyme A. Autophagy, 2014, 10, 1335-1337.	9.1	42
48	Longevity-relevant regulation of autophagy at the level of the acetylproteome. Autophagy, 2011, 7, 647-649.	9.1	34
49	Phosphoproteomic analysis of cells treated with longevity-related autophagy inducers. Cell Cycle, 2012, 11, 1827-1840.	2.6	33
50	Direct molecular interactions between Beclin 1 and the canonical NFÎºB activation pathway. Autophagy, 2012, 8, 268-270.	9.1	31
51	BH3 mimetics reveal the network properties of autophagy-regulatory signaling cascades. Autophagy, 2011, 7, 914-916.	9.1	30
52	Autophagy in Ras-Induced Malignant Transformation: Fatal or Vital?. Molecular Cell, 2011, 42, 1-3.	9.7	28
53	Autophagy and aging: New lessons from progeroid mice. Autophagy, 2008, 4, 807-809.	9.1	27
54	Autophagy, proteases and the sense of balance. Autophagy, 2010, 6, 961-963.	9.1	24

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55	Cell autonomous and systemic factors in progeria development. Biochemical Society Transactions, 2011, 39, 1710-1714.	3.4	20
56	Autophagy and Aging: Lessons from Progeria Models. Advances in Experimental Medicine and Biology, 2010, 694, 61-68.	1.6	19
57	A histone point mutation that switches on autophagy. Autophagy, 2014, 10, 1143-1145.	9.1	18
58	Autophagy role in environmental pollutants exposure. Progress in Molecular Biology and Translational Science, 2020, 172, 257-291.	1.7	15
59	Pathogenic Single Nucleotide Polymorphisms on Autophagy-Related Genes. International Journal of Molecular Sciences, 2020, 21, 8196.	4.1	14
60	Rejuvenating somatotropic signaling: a therapeutical opportunity for premature aging?. Aging, 2010, 2, 1017-1022.	3.1	13
61	Autophagy extends lifespan via vacuolar acidification. Microbial Cell, 2014, 1, 160-162.	3.2	13
62	Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. Redox Biology, 2020, 34, 101563.	9.0	11
63	Immunosurveillance against cancer-associated hyperploidy. Oncotarget, 2012, 3, 1270-1271.	1.8	10
64	ATG4D is the main ATG8 delipidating enzyme in mammalian cells and protects against cerebellar neurodegeneration. Cell Death and Differentiation, 2021, 28, 2651-2672.	11.2	9
65	ATG4D role in mAtg8s delipidation and neuroprotection. Autophagy, 2021, 17, 1558-1560.	9.1	6
66	Tagged ATG8-Coding Constructs for the In Vitro and In Vivo Assessment of ATG4 Activity. Methods in Enzymology, 2017, 587, 189-205.	1.0	4
67	Inhibitor of growth protein 4 interacts with Beclin 1 and represses autophagy. Oncotarget, 2017, 8, 89527-89538.	1.8	4
68	Autophagy Deficiency by Atg4B Loss Leads to Metabolomic Alterations in Mice. Metabolites, 2021, 11, 481.	2.9	4