Noboru Mizushima

List of Publications by Year
in descending order

237	122,888	477 128	895 239
papers	citations	h-index	g-index

280	280	280	77197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental determination and mathematical modeling of standard shapes of forming autophagosomes. Nature Communications, 2024, 15, .	13.0	2
2	The V-ATPaseâ€“ATG16L1 axis recruits LRRK2 to facilitate the lysosomal stress response. Journal of Cell Biology, 2024, 223, .	5.1	6
3	Ubiquitin in autophagy and non-protein ubiquitination. Nature Structural and Molecular Biology, 2024, 31, 208-209.	8.0	0
4	Organelle landscape analysis using a multiparametric particle-based method. PLoS Biology, 2024, 22, e3002777.	5.4	0
5	Apicoplast biogenesis mediated by ATG8 requires the ATG12â€“ATG5-ATG16L and SNAP29 complexes in Toxoplasma gondii. Autophagy, 2023, 19, 1258-1276.	11.6	14
6	Conjugation of the ubiquitin family proteins to phospholipids. Autophagy, 2023, 19, 1361-1362.	11.6	0
7	The autophagy pathway beyond model organisms: an evolutionary perspective. Autophagy, 2023, 19, 1-2.	11.6	8
8	Autophagy genes in biology and disease. Nature Reviews Genetics, 2023, 24, 382-400.	16.6	172
9	Unique amphipathic Î± helix drives membrane insertion and enzymatic activity of ATG3. Science Advances, 2023, 9, .	10.8	9
10	Ubiquitination of non-protein substrates. Trends in Cell Biology, 2023, 33, 991-1003.	8.0	11
11	Loss of phospholipase PLAAT3 causes a mixed lipodystrophic and neurological syndrome due to impaired PPARÎ³ signaling. Nature Genetics, 2023, 55, 1929-1940.	20.2	6
12	An exploratory text analysis of the autophagy research field. Autophagy, 2022, 18, 1648-1661.	11.6	6
13	Regulation of ERâ€derived membrane dynamics by the DedA domainâ€containing proteins VMP1 and TMEM41B. EMBO Reports, 2022, 23, e53894.	4.5	20
14	Annexins A1 and A2 are recruited to larger lysosomal injuries independently of ESCRTs to promote repair. FEBS Letters, 2022, 596, 991-1003.	1.5	17
15	Evolutionary diversification of the autophagy-related ubiquitin-like conjugation systems. Autophagy, 2022, 18, 2969-2984.	11.6	13
16	Phosphorylation by casein kinase 2 enhances the interaction between ERâ€phagy receptor TEX264 and ATG8 proteins. EMBO Reports, 2022, 23, e54801.	4.5	24
17	Transient visit of STX17 (syntaxin 17) to autophagosomes. Autophagy, 2022, 18, 1213-1215.	11.6	4
18	NCOA4 drives ferritin phase separation to facilitate macroferritinophagy and microferritinophagy. Journal of Cell Biology, 2022, 221, .	5.1	46

#	Article	IF	Citations
19	Wetting regulates autophagy of phase-separated compartments and the cytosol. Nature, 2021, 591, 142-146.	35.8	169
20	Should I bend or should I grow: the mechanisms of droplet-mediated autophagosome formation. Autophagy, 2021, 17, 1046-1048.	11.6	6
21	No air without autophagy: autophagy is important for lung and swim bladder inflation. Autophagy, 2021, 17, 1040-1041.	11.6	0
22	Digital strategies for structured and architected materials design. APL Materials, 2021, 9, .	4.7	15
23	Autophagosome maturation stymied by SARS-CoV-2. Developmental Cell, 2021, 56, 400-402.	7.0	13
24	Organelle degradation in the lens by PLAAT phospholipases. Nature, 2021, 592, 634-638.	35.8	76
25	Evolution and insights into the structure and function of the DedA superfamily containing TMEM41B and VMP1. Journal of Cell Science, 2021, 134, .	2.0	29
26	ZZ domains keep cytosol to vacuole delivery whiZZing along. EMBO Journal, 2021, 40, e108777.	7.6	2
27	NEK9 regulates primary cilia formation by acting as a selective autophagy adaptor for MYH9/myosin IIA. Nature Communications, 2021, 12, 3292.	13.0	41
28	The evolution of autophagy proteins â€“ diversification in eukaryotes and potential ancestors in prokaryotes. Journal of Cell Science, 2021, 134, .	2.0	31
29	A new insight into the lens: cytosolic PLAAT phospholipases degrade organelles to make the lens transparent. Autophagy, 2021, 17, 2645-2647.	11.6	4
30	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	7.6	760
31	Breakthroughs and bottlenecks in autophagy research. Trends in Molecular Medicine, 2021, 27, 835-838.	7.0	20
32	Wetting of phase-separated droplets on plant vacuole membranes leads to a competition between tonoplast budding and nanotube formation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.5	31
33	Genome-wide CRISPR screening reveals nucleotide synthesis negatively regulates autophagy. Journal of Biological Chemistry, 2021, 296, 100780.	3.5	11
34	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (edition	11.6	1,642
35	The ATG conjugation systems in autophagy. Current Opinion in Cell Biology, 2020, 63, 1-10.	5.5	313
36	Autophagy in Human Diseases. New England Journal of Medicine, 2020, 383, 1564-1576.	29.7	693

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37	Autophagy Assays for Biological Discovery and Therapeutic Development. Trends in Biochemical Sciences, 2020, 45, 1080-1093.	7.4	121
38	Beth Levine 1960â€“2020. Nature Cell Biology, 2020, 22, 909-910.	9.9	0
39	Modeling Membrane Morphological Change during Autophagosome Formation. IScience, 2020, 23, 101466.	4.1	28
40	Structure, lipid scrambling activity and role in autophagosome formation of ATG9A. Nature Structural and Molecular Biology, 2020, 27, 1194-1201.	8.0	211
41	Autophagy Is Required for Maturation of Surfactant-Containing Lamellar Bodies in the Lung and Swim Bladder. Cell Reports, 2020, 33, 108477.	6.3	28
42	ER-Phagy: Quality Control and Turnover of Endoplasmic Reticulum. Trends in Cell Biology, 2020, 30, 384-398.	8.0	186
43	Lysosome biology in autophagy. Cell Discovery, 2020, 6, 6.	6.9	473
44	Loss of autophagy impairs physiological steatosis by accumulation of NCoR1. Life Science Alliance, 2020, 3, e201900513.	2.9	19
45	Diverse Cellular Roles of Autophagy. Annual Review of Cell and Developmental Biology, 2019, 35, 453-475.	9.3	263
46	The ubiquitin E2 enzyme <scp>UBE</scp> 2 <scp>QL</scp> 1 mediates lysophagy. EMBO Reports, 2019, 20, e49104.	4.5	8
47	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. Autophagy, 2019, 15, 1829-1833.	11.6	0
48	Intrinsically Disordered Protein TEX264 Mediates ER-phagy. Molecular Cell, 2019, 74, 909-921.e6.	9.5	253
49	Evolution from covalent conjugation to non-covalent interaction in the ubiquitin-like ATG12 system. Nature Structural and Molecular Biology, 2019, 26, 289-296.	8.0	42
50	Autophagy Regulation of Metabolism Is Required for CD8+ T Cell Anti-tumor Immunity. Cell Reports, 2019, 27, 502-513.e5.	6.3	140
51	Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567.	13.0	148
52	TMEM41B functions with VMP1 in autophagosome formation. Autophagy, 2019, 15, 922-923.	11.6	38
53	YKT6 as a second SNARE protein of mammalian autophagosomes. Autophagy, 2019, 15, 176-177.	11.6	13
54	A critical role of VMP1 in lipoprotein secretion. ELife, 2019, 8, .	5.9	51

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55	A brief history of autophagy from cell biology to physiology and disease. Nature Cell Biology, 2018, 20, 521-527.	9.9	547
56	A Dual Binding Receptor for ER-phagy. Developmental Cell, 2018, 44, 133-135.	7.0	14
57	Systematic analysis of ATG13 domain requirements for autophagy induction. Autophagy, 2018, 14, 743-763.	11.6	41
58	Autophagosomal YKT6 is required for fusion with lysosomes independently of syntaxin 17. Journal of Cell Biology, 2018, 217, 2633-2645.	5.1	181
59	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. Autophagy, 2018, 14, 925-929.	11.6	3
60	Genome-wide CRISPR screen identifies TMEM41B as a gene required for autophagosome formation. Journal of Cell Biology, 2018, 217, 3817-3828.	5.1	183
61	A new probe to measure autophagic flux in vitro and in vivo. Autophagy, 2017, 13, 757-758.	11.6	33
62	Transgenic rescue of Atg5-null mice from neonatal lethality with neuron-specific expression of ATG5: Systemic analysis of adult Atg5-deficient mice. Autophagy, 2017, 13, 763-764.	11.6	16
63	Autophagosome formation is initiated at phosphatidylinositol synthaseâ€enriched <scp>ER</scp> subdomains. EMBO Journal, 2017, 36, 1719-1735.	7.6	164
64	Autophagy is essential for hearing in mice. Cell Death and Disease, 2017, 8, e2780-e2780.	6.4	51
65	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	7.6	1,293
66	ATG conjugation-dependent degradation of the inner autophagosomal membrane is a key step for autophagosome maturation. Autophagy, 2017, 13, 1252-1253.	11.6	11
67	Autophagy-monitoring and autophagy-deficient mice. Autophagy, 2017, 13, 1619-1628.	11.6	267
68	Fusion and scission of membranes: Ubiquitous topological transformations in cells. Traffic, 2017, 18, 758-761.	3.0	14
69	The ULK complex initiates autophagosome formation at phosphatidylinositol synthase-enriched ER subdomains. Autophagy, 2017, 13, 1795-1796.	11.6	16
70	Monitoring and Measuring Autophagy. International Journal of Molecular Sciences, 2017, 18, 1865.	4.2	855
71	Vps34 regulates myofibril proteostasis to prevent hypertrophic cardiomyopathy. Journal of Clinical Investigation, 2017, 2, e89462.	6.6	19
72	Elevated p62/SQSTM1 determines the fate of autophagy-deficient neural stem cells by increasing superoxide. Journal of Cell Biology, 2016, 212, 545-560.	5.1	55

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73	Systemic Analysis of Atg5-Null Mice Rescued from Neonatal Lethality by Transgenic ATG5 Expression in Neurons. Developmental Cell, 2016, 39, 116-130.	7.0	103
74	An Autophagic Flux Probe that Releases an Internal Control. Molecular Cell, 2016, 64, 835-849.	9.5	430
75	Atg101: Not Just an Accessory Subunit in the Autophagy-initiation Complex. Cell Structure and Function, 2016, 41, 13-20.	1.1	19
76	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	11.6	4,789
77	Atg13 Is Essential for Autophagy and Cardiac Development in Mice. Molecular and Cellular Biology, 2016, 36, 585-595.	2.4	91
78	Autophagy in the lens. Experimental Eye Research, 2016, 144, 22-28.	2.7	54
79	Structure of the Atg101â€“Atg13 complex reveals essential roles of Atg101 in autophagy initiation. Nature Structural and Molecular Biology, 2015, 22, 572-580.	8.0	94
80	The autophagy geneWdr45/Wipi4regulates learning and memory function and axonal homeostasis. Autophagy, 2015, 11, 881-890.	11.6	116
81	Autophagy machinery in the context of mammalian mitophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2797-2801.	4.1	78
82	Expression of a ULK1/2 binding-deficient ATG13 variant can partially restore autophagic activity in ATG13-deficient cells. Autophagy, 2015, 11, 1471-1483.	11.6	63
83	Survival of Effector CD8+ T Cells during Influenza Infection Is Dependent on Autophagy. Journal of Immunology, 2015, 194, 4277-4286.	0.8	60
84	Open and closed HORMAs regulate autophagy initiation. Autophagy, 2015, 11, 2123-2124.	11.6	7
85	Nbr1, a Receptor for ESCRT-Dependent Endosomal Microautophagy in Fission Yeast. Molecular Cell, 2015, 59, 887-889.	9.5	11
86	LC3- and p62-based biochemical methods for the analysis of autophagy progression in mammalian cells. Methods, 2015, 75, 13-18.	3.9	399
87	Stearoyl-CoA Desaturase 1 Activity Is Required for Autophagosome Formation. Journal of Biological Chemistry, 2014, 289, 23938-23950.	3.5	64
88	Expression of the autophagy substrate SQSTM1/p62 is restored during prolonged starvation depending on transcriptional upregulation and autophagy-derived amino acids. Autophagy, 2014, 10, 431-441.	11.6	329
89	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. Journal of Cell Science, 2014, 127, 4984-4984.	2.0	73
90	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. Journal of Cell Science, 2014, 127, 4089-102.	2.0	185

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91	Sugar modification inhibits autophagosomeâ€“lysosome fusion. Nature Cell Biology, 2014, 16, 1132-1133.	9.9	11
92	ATG8 localization in apicomplexan parasites. Autophagy, 2014, 10, 1487-1494.	11.6	24
93	Cycloheximide inhibits starvation-induced autophagy through mTORC1 activation. Biochemical and Biophysical Research Communications, 2014, 445, 334-339.	2.2	67
94	The HOPS complex mediates autophagosomeâ€“lysosome fusion through interaction with syntaxin 17. Molecular Biology of the Cell, 2014, 25, 1327-1337.	2.4	415
95	At the end of the autophagic road: an emerging understanding of lysosomal functions in autophagy. Trends in Biochemical Sciences, 2014, 39, 61-71.	7.4	302
96	Fertilization-Induced Autophagy in Mouse Embryos is Independent of mTORC11. Biology of Reproduction, 2014, 91, 7.	2.6	39
97	Autophagy and human diseases. Cell Research, 2014, 24, 69-79.	12.1	721
98	Fis1 acts as a mitochondrial recruitment factor for TBC1D15 that is involved in regulation of mitochondrial morphology. Journal of Cell Science, 2013, 126, 176-185.	2.0	119
99	Differential Contribution of Insulin and Amino Acids to the mTORC1-Autophagy Pathway in the Liver and Muscle. Journal of Biological Chemistry, 2013, 288, 21074-21081.	3.5	74
100	Dynamic association of the ULK1 complex with omegasomes during autophagy induction. Journal of Cell Science, 2013, 126, 5224-38.	2.0	202
101	De novo mutations in the autophagy gene WDR45 cause static encephalopathy of childhood with neurodegeneration in adulthood. Nature Genetics, 2013, 45, 445-449.	20.2	407
102	Deletion of Autophagy-related 5 (Atg5) and Pik3c3 Genes in the Lens Causes Cataract Independent of Programmed Organelle Degradation. Journal of Biological Chemistry, 2013, 288, 11436-11447.	3.5	122
103	Temporal analysis of recruitment of mammalian ATG proteins to the autophagosome formation site. Autophagy, 2013, 9, 1491-1499.	11.6	210
104	Proteasome-dependent Activation of Mammalian Target of Rapamycin Complex 1 (mTORC1) Is Essential for Autophagy Suppression and Muscle Remodeling Following Denervation. Journal of Biological Chemistry, 2013, 288, 1125-1134.	3.5	93
105	Syntaxin 17. Autophagy, 2013, 9, 917-919.	11.6	70
106	Basal Autophagy Is Required for the Efficient Catabolism of Sialyloligosaccharides. Journal of Biological Chemistry, 2013, 288, 26898-26907.	3.5	41
107	FIP200 regulates targeting of Atg16L1 to the isolation membrane. EMBO Reports, 2013, 14, 284-291.	4.5	165
108	Autophagy plays a critical role in kidney tubule maintenance, aging and ischemia-reperfusion injury. Autophagy, 2012, 8, 826-837.	11.6	235

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109	Mammalian Atg2 proteins are essential for autophagosome formation and important for regulation of size and distribution of lipid droplets. Molecular Biology of the Cell, 2012, 23, 896-909.	2.4	351
110	Structures containing Atg9A and the ULK1 complex independently target depolarized mitochondria at initial stages of Parkin-mediated mitophagy. Journal of Cell Science, 2012, 125, 1488-99.	2.0	237
111	The Hairpin-type Tail-Anchored SNARE Syntaxin 17 Targets to Autophagosomes for Fusion with Endosomes/Lysosomes. Cell, 2012, 151, 1256-1269.	27.7	1,086
112	Mitochondrial dysfunction associated with increased oxidative stress and Î±-synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. Molecular Brain, 2012, 5, 35.	3.0	338
113	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	11.6	3,158
114	Autophagy-Related Atg8 Localizes to the Apicoplast of the Human Malaria Parasite Plasmodium falciparum. PLoS ONE, 2012, 7, e42977.	2.5	76
115	Ubiquitin-like proteins and autophagy at a glance. Journal of Cell Science, 2012, 125, 2343-2348.	2.0	43
116	Autophagy-deficient mice develop multiple liver tumors. Genes and Development, 2011, 25, 795-800.	5.8	1,132
117	Autophagy: Renovation of Cells and Tissues. Cell, 2011, 147, 728-741.	27.7	5,087
118	Autophagy in immunity and inflammation. Nature, 2011, 469, 323-335.	35.8	2,965
119	A Sensitive and Quantitative Technique for Detecting Autophagic Events Based on Lysosomal Delivery. Chemistry and Biology, 2011, 18, 1042-1052.	6.2	532
120	The Role of Atg Proteins in Autophagosome Formation. Annual Review of Cell and Developmental Biology, 2011, 27, 107-132.	9.3	2,668
121	Parkin Mediates Proteasome-dependent Protein Degradation and Rupture of the Outer Mitochondrial Membrane. Journal of Biological Chemistry, 2011, 286, 19630-19640.	3.5	534
122	Distinct Mechanisms of Ferritin Delivery to Lysosomes in Iron-Depleted and Iron-Replete Cells. Molecular and Cellular Biology, 2011, 31, 2040-2052.	2.4	211
123	Crohn disease: A current perspective on genetics, autophagy and immunity. Autophagy, 2011, 7, 355-374.	11.6	95
124	A comprehensive glossary of autophagy-related molecules and processes (2ndedition). Autophagy, 2011, 7, 1273-1294.	11.6	263
125	p62 targeting to the autophagosome formation site requires self-oligomerization but not LC3 binding. Journal of Cell Biology, 2011, 192, 17-27.	5.1	373
126	In Vivo Requirement for Atg5 in Antigen Presentation by Dendritic Cells. Immunity, 2010, 32, 227-239.	14.0	431

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127	Cisplatin-induced macroautophagy occurs prior to apoptosis in proximal tubules inÂvivo. Clinical and Experimental Nephrology, 2010, 14, 112-122.	1.6	83
128	The role of the Atg1/ULK1 complex in autophagy regulation. Current Opinion in Cell Biology, 2010, 22, 132-139.	5.5	957
129	Autophagy in mammalian development and differentiation. Nature Cell Biology, 2010, 12, 823-830.	9.9	1,343
130	Characterization of autophagosome formation site by a hierarchical analysis of mammalian Atg proteins. Autophagy, 2010, 6, 764-776.	11.6	733
131	A comprehensive glossary of autophagy-related molecules and processes. Autophagy, 2010, 6, 438-448.	11.6	147
132	Inhibition of autophagy in the heart induces age-related cardiomyopathy. Autophagy, 2010, 6, 600-606.	11.6	401
133	Ubiquitin accumulation in autophagy-deficient mice is dependent on the Nrf2-mediated stress response pathway: a potential role for protein aggregation in autophagic substrate selection. Journal of Cell Biology, 2010, 191, 537-552.	5.1	157
134	Reevaluation of Neurodegeneration inlurcherMice: Constitutive Ion Fluxes Cause Cell Death with, Not by, Autophagy. Journal of Neuroscience, 2010, 30, 2177-2187.	3.8	32
135	Dynein- and activity-dependent retrograde transport of autophagosomes in neuronal axons. Autophagy, 2010, 6, 378-385.	11.6	79
136	Methods in Mammalian Autophagy Research. Cell, 2010, 140, 313-326.	27.7	4,016
137	Physiological role of autophagy as an intracellular recycling system: With an emphasis on nutrient metabolism. Seminars in Cell and Developmental Biology, 2010, 21, 683-690.	5.3	200
138	Tti1 and Tel2 Are Critical Factors in Mammalian Target of Rapamycin Complex Assembly. Journal of Biological Chemistry, 2010, 285, 20109-20116.	3.5	220
139	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. Journal of Clinical Investigation, 2010, 120, 1084-1096.	6.6	620
140	Chapter 2 Methods for Monitoring Autophagy Using GFPâ€ŁC3 Transgenic Mice. Methods in Enzymology, 2009, 452, 13-23.	1.7	145
141	Atg101, a novel mammalian autophagy protein interacting with Atg13. Autophagy, 2009, 5, 973-979.	11.6	407
142	When more is less: Excess and deficiency of autophagy coexist in skeletal muscle in Pompe disease. Autophagy, 2009, 5, 111-113.	11.6	52
143	Atg14 and UVRAG: Mutually exclusive subunits of mammalian Beclin 1-PI3K complexes. Autophagy, 2009, 5, 534-536.	11.6	113
144	Macroautophagy, endogenous MHC II loading and T cell selection: the benefits of breaking the rules. Current Opinion in Immunology, 2009, 21, 92-97.	5.1	45

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145	The structure of Atg4Bâ€“LC3 complex reveals the mechanism of LC3 processing and delipidation during autophagy. EMBO Journal, 2009, 28, 1341-1350.	7.6	335
146	A Receptor for Eating Mitochondria. Developmental Cell, 2009, 17, 1-2.	7.0	20
147	Nutrient-dependent mTORC1 Association with the ULK1â€“Atg13â€“FIP200 Complex Required for Autophagy. Molecular Biology of the Cell, 2009, 20, 1981-1991.	2.4	1,775
148	Role of ULK-FIP200 complex in mammalian autophagy: FIP200, a counterpart of yeast Atg17?. Autophagy, 2009, 5, 85-87.	11.6	107
149	Physiological Functions of Autophagy. Current Topics in Microbiology and Immunology, 2009, 335, 71-84.	0.0	211
150	Autophagy fights disease through cellular self-digestion. Nature, 2008, 451, 1069-1075.	35.8	5,839
151	Autophagy in thymic epithelium shapes the T-cell repertoire and is essential for tolerance. Nature, 2008, 455, 396-400.	35.8	454
152	A key role for autophagy and the autophagy gene Atg16l1 in mouse and human intestinal Paneth cells. Nature, 2008, 456, 259-263.	35.8	1,363
153	Autophagy Is Essential for Preimplantation Development of Mouse Embryos. Science, 2008, 321, 117-120.	19.8	496
154	Autophagosome-Independent Essential Function for the Autophagy Protein Atg5 in Cellular Immunity to Intracellular Pathogens. Cell Host and Microbe, 2008, 4, 458-469.	11.0	377
155	Beclin 1 Forms Two Distinct Phosphatidylinositol 3-Kinase Complexes with Mammalian Atg14 and UVRAG. Molecular Biology of the Cell, 2008, 19, 5360-5372.	2.4	1,039
156	Isolation of Hyperactive Mutants of Mammalian Target of Rapamycin. Journal of Biological Chemistry, 2008, 283, 31861-31870.	3.5	61
157	Rapamycin Inhibits Polyglutamine Aggregation Independently of Autophagy by Reducing Protein Synthesis. Molecular Pharmacology, 2008, 73, 1052-1063.	2.3	111
158	Constitutive Activation of Chaperone-mediated Autophagy in Cells with Impaired Macroautophagy. Molecular Biology of the Cell, 2008, 19, 2179-2192.	2.4	286
159	Chromosomal mapping of the GFP-LC3 transgene in GFP-LC3 mice. Autophagy, 2008, 4, 61-62.	11.6	30
160	Suppression of autophagy in skeletal muscle uncovers the accumulation of ubiquitinated proteins and their potential role in muscle damage in Pompe disease. Human Molecular Genetics, 2008, 17, 3897-3908.	3.0	295
161	The autophagy geneATG5plays an essential role in B lymphocyte development. Autophagy, 2008, 4, 309-314.	11.6	319
162	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	11.6	2,086

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163	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. Journal of Cell Biology, 2008, 181, 497-510.	5.1	853
164	Methamphetamine Inhibits Antigen Processing, Presentation, and Phagocytosis. PLoS Pathogens, 2008, 4, e28.	4.0	123
165	The Atg8 Conjugation System Is Indispensable for Proper Development of Autophagic Isolation Membranes in Mice. Molecular Biology of the Cell, 2008, 19, 4762-4775.	2.4	434
166	Involvement of autophagy in trypsinogen activation within the pancreatic acinar cells. Journal of Cell Biology, 2008, 181, 1065-1072.	5.1	191
167	GFP-like Proteins Stably Accumulate in Lysosomes. Cell Structure and Function, 2008, 33, 1-12.	1.1	213
168	LC3, an Autophagosome Marker, Can be Incorporated into Protein Aggregates Independent of Autophagy: Caution in the Interpretation of LC3 Localization. Autophagy, 2007, 3, 323-328.	11.6	521
169	Tissue-specific Autophagy Alterations and Increased Tumorigenesis in Mice Deficient in Atg4C/Autophagin-3. Journal of Biological Chemistry, 2007, 282, 18573-18583.	3.5	364
170	A critical role for the autophagy gene Atg5 in T cell survival and proliferation. Journal of Experimental Medicine, 2007, 204, 25-31.	8.7	571
171	Aberrant Membranes and Double-Membrane Structures Accumulate in the Axons ofAtg5-Null Purkinje Cells before Neuronal Death. Autophagy, 2007, 3, 591-596.	11.6	149
172	Collaboration of Proteolytic Systems. Autophagy, 2007, 3, 179-180.	11.6	10
173	How to Interpret LC3 Immunoblotting. Autophagy, 2007, 3, 542-545.	11.6	2,277
174	Coronavirus Replication Does Not Require the Autophagy GeneATG5. Autophagy, 2007, 3, 581-585.	11.6	191
175	Analysis of the Role of Autophagy in Replication of Herpes Simplex Virus in Cell Culture. Journal of Virology, 2007, 81, 12128-12134.	3.4	146
176	The role of mammalian autophagy in protein metabolism. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 39-46.	3.7	19
177	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. Cell, 2007, 131, 1149-1163.	27.7	1,950
178	Autophagy: process and function. Genes and Development, 2007, 21, 2861-2873.	5.8	3,387
179	Protein Turnover Via Autophagy: Implications for Metabolism. Annual Review of Nutrition, 2007, 27, 19-40.	10.3	743
180	Crystallization and preliminary crystallographic analysis of human Atg4Bâ€“LC3 complex. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 99-102.	0.7	6

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181	The role of autophagy in cardiomyocytes in the basal state and in response to hemodynamic stress. Nature Medicine, 2007, 13, 619-624.	29.9	1,404
182	Cerebral Ischemia-Hypoxia Induces Intravascular Coagulation and Autophagy. American Journal of Pathology, 2006, 169, 566-583.	4.1	340
183	Organelle degradation during the lens and erythroid differentiation is independent of autophagy. Biochemical and Biophysical Research Communications, 2006, 339, 485-489.	2.2	102
184	Suppression of basal autophagy in neural cells causes neurodegenerative disease in mice. Nature, 2006, 441, 885-889.	35.8	3,582
185	ALIS are Stress-Induced Protein Storage Compartments for Substrates of the Proteasome and Autophagy. Autophagy, 2006, 2, 189-199.	11.6	185
186	Cellular Autophagy Machinery is not Required for Vaccinia Virus Replication and Maturation. Autophagy, 2006, 2, 91-95.	11.6	42
187	Intracellular Inclusions Containing Mutant Î±1-Antitrypsin Z Are Propagated in the Absence of Autophagic Activity. Journal of Biological Chemistry, 2006, 281, 4467-4476.	3.5	237
188	Induction of Autophagy in Axonal Dystrophy and Degeneration. Journal of Neuroscience, 2006, 26, 8057-8068.	3.8	302
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