Mizushima Noboru

List of Publications by Year
in descending order

236	120,321	576 129	1256 232
papers	citations	h-index	g-index

238	238	238	78853
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An exploratory text analysis of the autophagy research field. Autophagy, 2022, 18, 1648-1661.	4.3	4
2	Regulation of ERâ€derived membrane dynamics by the DedA domainâ€containing proteins VMP1 and TMEM41B. EMBO Reports, 2022, 23, e53894.	2.0	18
3	Annexins A1 and A2 are recruited to larger lysosomal injuries independently of ESCRTs to promote repair. FEBS Letters, 2022, 596, 991-1003.	1.3	11
4	Evolutionary diversification of the autophagy-related ubiquitin-like conjugation systems. Autophagy, 2022, 18, 2969-2984.	4.3	8
5	Phosphorylation by casein kinase 2 enhances the interaction between ERâ€phagy receptor TEX264 and ATG8 proteins. EMBO Reports, 2022, 23, e54801.	2.0	20
6	Wetting regulates autophagy of phase-separated compartments and the cytosol. Nature, 2021, 591, 142-146.	13.7	140
7	Should I bend or should I grow: the mechanisms of droplet-mediated autophagosome formation. Autophagy, 2021, 17, 1046-1048.	4.3	6
8	No air without autophagy: autophagy is important for lung and swim bladder inflation. Autophagy, 2021, 17, 1040-1041.	4.3	0
9	Autophagosome maturation stymied by SARS-CoV-2. Developmental Cell, 2021, 56, 400-402.	3.1	13
10	Organelle degradation in the lens by PLAAT phospholipases. Nature, 2021, 592, 634-638.	13.7	71
11	Evolution and insights into the structure and function of the DedA superfamily containing TMEM41B and VMP1. Journal of Cell Science, 2021, 134, .	1.2	28
12	ZZ domains keep cytosol to vacuole delivery whiZZing along. EMBO Journal, 2021, 40, e108777.	3.5	2
13	NEK9 regulates primary cilia formation by acting as a selective autophagy adaptor for MYH9/myosin IIA. Nature Communications, 2021, 12, 3292.	5.8	30
14	The evolution of autophagy proteins â€“ diversification in eukaryotes and potential ancestors in prokaryotes. Journal of Cell Science, 2021, 134, .	1.2	29
15	A new insight into the lens: cytosolic PLAAT phospholipases degrade organelles to make the lens transparent. Autophagy, 2021, 17, 2645-2647.	4.3	4
16	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	3.5	615
17	Breakthroughs and bottlenecks in autophagy research. Trends in Molecular Medicine, 2021, 27, 835-838.	3.5	20
18	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, .	3.3	21

#	Article	IF	Citations
19	Genome-wide CRISPR screening reveals nucleotide synthesis negatively regulates autophagy. Journal of Biological Chemistry, 2021, 296, 100780.	1.6	9
20	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	4.3	1,430
21	The ATG conjugation systems in autophagy. Current Opinion in Cell Biology, 2020, 63, 1-10.	2.6	275
22	Autophagy in Human Diseases. New England Journal of Medicine, 2020, 383, 1564-1576.	13.9	618
23	Beth Levine in memoriam. Autophagy, 2020, 16, 1559-1583.	4.3	0
24	Autophagy Assays for Biological Discovery and Therapeutic Development. Trends in Biochemical Sciences, 2020, 45, 1080-1093.	3.7	100
25	Modeling Membrane Morphological Change during Autophagosome Formation. IScience, 2020, 23, 101466.	1.9	27
26	Structure, lipid scrambling activity and role in autophagosome formation of ATG9A. Nature Structural and Molecular Biology, 2020, 27, 1194-1201.	3.6	196
27	Autophagy Is Required for Maturation of Surfactant-Containing Lamellar Bodies in the Lung and Swim Bladder. Cell Reports, 2020, 33, 108477.	2.9	25
28	ER-Phagy: Quality Control and Turnover of Endoplasmic Reticulum. Trends in Cell Biology, 2020, 30, 384-398.	3.6	167
29	Lysosome biology in autophagy. Cell Discovery, 2020, 6, 6.	3.1	420
30	Loss of autophagy impairs physiological steatosis by accumulation of NCoR1. Life Science Alliance, 2020, 3, e201900513.	1.3	18
31	Diverse Cellular Roles of Autophagy. Annual Review of Cell and Developmental Biology, 2019, 35, 453-475.	4.0	250
32	The ubiquitin E2 enzyme <scp>UBE</scp> 2 <scp>QL</scp> 1 mediates lysophagy. EMBO Reports, 2019, 20, e49104.	2.0	6
33	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. Autophagy, 2019, 15, 1829-1833.	4.3	0
34	Intrinsically Disordered Protein TEX264 Mediates ER-phagy. Molecular Cell, 2019, 74, 909-921.e6.	4.5	231
35	Evolution from covalent conjugation to non-covalent interaction in the ubiquitin-like ATG12 system. Nature Structural and Molecular Biology, 2019, 26, 289-296.	3.6	39
36	Autophagy Regulation of Metabolism Is Required for CD8+ T Cell Anti-tumor Immunity. Cell Reports, 2019, 27, 502-513.e5.	2.9	134

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37	Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567.	5.8	143
38	TMEM41B functions with VMP1 in autophagosome formation. Autophagy, 2019, 15, 922-923.	4.3	37
39	YKT6 as a second SNARE protein of mammalian autophagosomes. Autophagy, 2019, 15, 176-177.	4.3	10
40	A critical role of VMP1 in lipoprotein secretion. ELife, 2019, 8, .	2.8	46
41	A brief history of autophagy from cell biology to physiology and disease. Nature Cell Biology, 2018, 20, 521-527.	4.6	518
42	A Dual Binding Receptor for ER-phagy. Developmental Cell, 2018, 44, 133-135.	3.1	14
43	Systematic analysis of ATG13 domain requirements for autophagy induction. Autophagy, 2018, 14, 743-763.	4.3	38
44	Autophagosomal YKT6 is required for fusion with lysosomes independently of syntaxin 17. Journal of Cell Biology, 2018, 217, 2633-2645.	2.3	164
45	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.	4.3	3
46	Genome-wide CRISPR screen identifies TMEM41B as a gene required for autophagosome formation. Journal of Cell Biology, 2018, 217, 3817-3828.	2.3	168
47	A new probe to measure autophagic flux in vitro and in vivo. Autophagy, 2017, 13, 757-758.	4.3	29
48	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.	4.3	15
49	The exponential growth of autophagyâ€related research: from the humble yeast to the Nobel Prize. FEBS Letters, 2017, 591, 681-689.	1.3	33
50	Autophagosome formation is initiated at phosphatidylinositol synthaseâ€enriched <scp>ER</scp> subdomains. EMBO Journal, 2017, 36, 1719-1735.	3.5	158
51	Autophagy is essential for hearing in mice. Cell Death and Disease, 2017, 8, e2780-e2780.	2.7	49
52	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	3.5	1,230
53	ATG conjugation-dependent degradation of the inner autophagosomal membrane is a key step for autophagosome maturation. Autophagy, 2017, 13, 1252-1253.	4.3	11
54	Accumulation of undegraded autophagosomes by expression of dominant-negative STX17 (syntaxin 17) mutants. Autophagy, 2017, 13, 1452-1464.	4.3	36

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55	Autophagy-monitoring and autophagy-deficient mice. Autophagy, 2017, 13, 1619-1628.	4.3	248
56	Fusion and scission of membranes: Ubiquitous topological transformations in cells. Traffic, 2017, 18, 758-761.	1.3	11
57	The ULK complex initiates autophagosome formation at phosphatidylinositol synthase-enriched ER subdomains. Autophagy, 2017, 13, 1795-1796.	4.3	16
58	Differential requirement for ATG2A domains for localization to autophagic membranes and lipid droplets. FEBS Letters, 2017, 591, 3819-3830.	1.3	74
59	Monitoring and Measuring Autophagy. International Journal of Molecular Sciences, 2017, 18, 1865.	1.8	805
60	Vps34 regulates myofibril proteostasis to prevent hypertrophic cardiomyopathy. JCI Insight, 2017, 2, e89462.	2.3	19
61	Genetic screen in Drosophila muscle identifies autophagy-mediated T-tubule remodeling and a Rab2 role in autophagy. ELife, 2017, 6, .	2.8	88
62	Elevated p62/SQSTM1 determines the fate of autophagy-deficient neural stem cells by increasing superoxide. Journal of Cell Biology, 2016, 212, 545-560.	2.3	54
63	Systemic Analysis of Atg5-Null Mice Rescued from Neonatal Lethality by Transgenic ATG5 Expression in Neurons. Developmental Cell, 2016, 39, 116-130.	3.1	99
64	The ATG conjugation systems are important for degradation of the inner autophagosomal membrane. Science, 2016, 354, 1036-1041.	6.0	387
65	An Autophagic Flux Probe that Releases an Internal Control. Molecular Cell, 2016, 64, 835-849.	4.5	406
66	Atg101: Not Just an Accessory Subunit in the Autophagy-initiation Complex. Cell Structure and Function, 2016, 41, 13-20.	0.5	19
67	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
68	Atg13 Is Essential for Autophagy and Cardiac Development in Mice. Molecular and Cellular Biology, 2016, 36, 585-595.	1.1	87
69	Autophagy in the lens. Experimental Eye Research, 2016, 144, 22-28.	1.2	50
70	Structure of the Atg101â€“Atg13 complex reveals essential roles of Atg101 in autophagy initiation. Nature Structural and Molecular Biology, 2015, 22, 572-580.	3.6	94
71	The autophagy geneWdr45/Wipi4regulates learning and memory function and axonal homeostasis. Autophagy, 2015, 11, 881-890.	4.3	109
72	Autophagy machinery in the context of mammalian mitophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2797-2801.	1.9	76

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73	Expression of a ULK1/2 binding-deficient ATG13 variant can partially restore autophagic activity in ATG13-deficient cells. Autophagy, 2015, 11, 1471-1483.	4.3	61
74	Survival of Effector CD8+ T Cells during Influenza Infection Is Dependent on Autophagy. Journal of Immunology, 2015, 194, 4277-4286.	0.4	59
75	Open and closed HORMAs regulate autophagy initiation. Autophagy, 2015, 11, 2123-2124.	4.3	7
76	Nbr1, a Receptor for ESCRT-Dependent Endosomal Microautophagy in Fission Yeast. Molecular Cell, 2015, 59, 887-889.	4.5	11
77	LC3- and p62-based biochemical methods for the analysis of autophagy progression in mammalian cells. Methods, 2015, 75, 13-18.	1.9	378
78	Stearoyl-CoA Desaturase 1 Activity Is Required for Autophagosome Formation. Journal of Biological Chemistry, 2014, 289, 23938-23950.	1.6	62
79	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.	4.3	323
80	Dynamic involvement of ATG5 in cellular stress responses. Cell Death and Disease, 2014, 5, e1478-e1478.	2.7	20
81	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. Journal of Cell Science, 2014, 127, 4984-4984.	1.2	62
82	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. Journal of Cell Science, 2014, 127, 4089-102.	1.2	184
83	Sugar modification inhibits autophagosomeâ€“lysosome fusion. Nature Cell Biology, 2014, 16, 1132-1133.	4.6	11
84	ATG8 localization in apicomplexan parasites. Autophagy, 2014, 10, 1487-1494.	4.3	24
85	Cycloheximide inhibits starvation-induced autophagy through mTORC1 activation. Biochemical and Biophysical Research Communications, 2014, 445, 334-339.	1.0	66
86	The HOPS complex mediates autophagosomeâ€“lysosome fusion through interaction with syntaxin 17. Molecular Biology of the Cell, 2014, 25, 1327-1337.	0.9	402
87	At the end of the autophagic road: an emerging understanding of lysosomal functions in autophagy. Trends in Biochemical Sciences, 2014, 39, 61-71.	3.7	295
88	Fertilization-Induced Autophagy in Mouse Embryos is Independent of mTORC11. Biology of Reproduction, 2014, 91, 7.	1.2	39
89	Autophagy and human diseases. Cell Research, 2014, 24, 69-79.	5.7	708
90	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.	1.2	117

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91	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.	1.6	72
92	Dynamic association of the ULK1 complex with omegasomes during autophagy induction. Journal of Cell Science, 2013, 126, 5224-38.	1.2	197
93	De novo mutations in the autophagy gene WDR45 cause static encephalopathy of childhood with neurodegeneration in adulthood. Nature Genetics, 2013, 45, 445-449.	9.4	396
94	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.	1.6	119
95	Temporal analysis of recruitment of mammalian ATG proteins to the autophagosome formation site. Autophagy, 2013, 9, 1491-1499.	4.3	196
96	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.	1.6	91
97	Syntaxin 17. Autophagy, 2013, 9, 917-919.	4.3	68
98	Basal Autophagy Is Required for the Efficient Catabolism of Sialyloligosaccharides. Journal of Biological Chemistry, 2013, 288, 26898-26907.	1.6	41
99	FIP200 regulates targeting of Atg16L1 to the isolation membrane. EMBO Reports, 2013, 14, 284-291.	2.0	159
100	Autophagy plays a critical role in kidney tubule maintenance, aging and ischemia-reperfusion injury. Autophagy, 2012, 8, 826-837.	4.3	228
101	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.	0.9	339
102	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.	1.2	237
103	The Hairpin-type Tail-Anchored SNARE Syntaxin 17 Targets to Autophagosomes for Fusion with Endosomes/Lysosomes. Cell, 2012, 151, 1256-1269.	13.5	1,042
104	Autophagy. Autophagy, 2012, 8, 1477-1493.	4.3	67
105	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.	1.3	333
106	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
107	Autophagy-Related Atg8 Localizes to the Apicoplast of the Human Malaria Parasite Plasmodium falciparum. PLoS ONE, 2012, 7, e42977.	1.1	75
108	Ubiquitin-like proteins and autophagy at a glance. Journal of Cell Science, 2012, 125, 2343-2348.	1.2	43

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109	Autophagy-deficient mice develop multiple liver tumors. Genes and Development, 2011, 25, 795-800.	2.7	1,094
110	Autophagy: Renovation of Cells and Tissues. Cell, 2011, 147, 728-741.	13.5	4,844
111	Autophagy in immunity and inflammation. Nature, 2011, 469, 323-335.	13.7	2,901
112	A Sensitive and Quantitative Technique for Detecting Autophagic Events Based on Lysosomal Delivery. Chemistry and Biology, 2011, 18, 1042-1052.	6.2	507
113	The Role of Atg Proteins in Autophagosome Formation. Annual Review of Cell and Developmental Biology, 2011, 27, 107-132.	4.0	2,587
114	Parkin Mediates Proteasome-dependent Protein Degradation and Rupture of the Outer Mitochondrial Membrane. Journal of Biological Chemistry, 2011, 286, 19630-19640.	1.6	516
115	Distinct Mechanisms of Ferritin Delivery to Lysosomes in Iron-Depleted and Iron-Replete Cells. Molecular and Cellular Biology, 2011, 31, 2040-2052.	1.1	201
116	Autophagy in Protein and Organelle Turnover. Cold Spring Harbor Symposia on Quantitative Biology, 2011, 76, 397-402.	2.0	146
117	Crohn disease: A current perspective on genetics, autophagy and immunity. Autophagy, 2011, 7, 355-374.	4.3	94
118	A comprehensive glossary of autophagy-related molecules and processes (2ndedition). Autophagy, 2011, 7, 1273-1294.	4.3	255
119	p62 targeting to the autophagosome formation site requires self-oligomerization but not LC3 binding. Journal of Cell Biology, 2011, 192, 17-27.	2.3	366
120	In Vivo Requirement for Atg5 in Antigen Presentation by Dendritic Cells. Immunity, 2010, 32, 227-239.	6.6	425
121	Cisplatin-induced macroautophagy occurs prior to apoptosis in proximal tubules inÂvivo. Clinical and Experimental Nephrology, 2010, 14, 112-122.	0.7	82
122	The role of the Atg1/ULK1 complex in autophagy regulation. Current Opinion in Cell Biology, 2010, 22, 132-139.	2.6	934
123	Autophagy. FEBS Letters, 2010, 584, 1279-1279.	1.3	27
124	Autophagy in mammalian development and differentiation. Nature Cell Biology, 2010, 12, 823-830.	4.6	1,313
125	Characterization of autophagosome formation site by a hierarchical analysis of mammalian Atg proteins. Autophagy, 2010, 6, 764-776.	4.3	714
126	A comprehensive glossary of autophagy-related molecules and processes. Autophagy, 2010, 6, 438-448.	4.3	144

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127	Inhibition of autophagy in the heart induces age-related cardiomyopathy. Autophagy, 2010, 6, 600-606.	4.3	391
128	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.	2.3	156
129	Reevaluation of Neurodegeneration inlurcherMice: Constitutive Ion Fluxes Cause Cell Death with, Not by, Autophagy. Journal of Neuroscience, 2010, 30, 2177-2187.	1.7	32
130	Dynein- and activity-dependent retrograde transport of autophagosomes in neuronal axons. Autophagy, 2010, 6, 378-385.	4.3	75
131	Methods in Mammalian Autophagy Research. Cell, 2010, 140, 313-326.	13.5	3,939
132	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.	2.3	193
133	Tti1 and Tel2 Are Critical Factors in Mammalian Target of Rapamycin Complex Assembly. Journal of Biological Chemistry, 2010, 285, 20109-20116.	1.6	215
134	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. Journal of Clinical Investigation, 2010, 120, 1084-1096.	3.9	604
135	Chapter 2 Methods for Monitoring Autophagy Using GFPâ€ŁC3 Transgenic Mice. Methods in Enzymology, 2009, 452, 13-23.	0.4	142
136	Identification ofAtg5-dependent transcriptional changes and increases in mitochondrial mass inAtg5-deficient T lymphocytes. Autophagy, 2009, 5, 625-635.	4.3	187
137	Atg101, a novel mammalian autophagy protein interacting with Atg13. Autophagy, 2009, 5, 973-979.	4.3	400
138	When more is less: Excess and deficiency of autophagy coexist in skeletal muscle in Pompe disease. Autophagy, 2009, 5, 111-113.	4.3	51
139	Atg14 and UVRAG: Mutually exclusive subunits of mammalian Beclin 1-PI3K complexes. Autophagy, 2009, 5, 534-536.	4.3	109
140	Macroautophagy, endogenous MHC II loading and T cell selection: the benefits of breaking the rules. Current Opinion in Immunology, 2009, 21, 92-97.	2.4	44
141	The structure of Atg4Bâ€“LC3 complex reveals the mechanism of LC3 processing and delipidation during autophagy. EMBO Journal, 2009, 28, 1341-1350.	3.5	329
142	A Receptor for Eating Mitochondria. Developmental Cell, 2009, 17, 1-2.	3.1	20
143	Nutrient-dependent mTORC1 Association with the ULK1â€“Atg13â€“FIP200 Complex Required for Autophagy. Molecular Biology of the Cell, 2009, 20, 1981-1991.	0.9	1,743
144	Role of ULK-FIP200 complex in mammalian autophagy: FIP200, a counterpart of yeast Atg17?. Autophagy, 2009, 5, 85-87.	4.3	106

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145	Physiological Functions of Autophagy. Current Topics in Microbiology and Immunology, 2009, 335, 71-84.	0.7	209
146	Autophagy fights disease through cellular self-digestion. Nature, 2008, 451, 1069-1075.	13.7	5,714
147	Autophagy in thymic epithelium shapes the T-cell repertoire and is essential for tolerance. Nature, 2008, 455, 396-400.	13.7	452
148	A key role for autophagy and the autophagy gene Atg16l1 in mouse and human intestinal Paneth cells. Nature, 2008, 456, 259-263.	13.7	1,341
149	DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. Cell Death and Differentiation, 2008, 15, 1875-1886.	5.0	222
150	Autophagy Is Essential for Preimplantation Development of Mouse Embryos. Science, 2008, 321, 117-120.	6.0	485
151	Autophagosome-Independent Essential Function for the Autophagy Protein Atg5 in Cellular Immunity to Intracellular Pathogens. Cell Host and Microbe, 2008, 4, 458-469.	5.1	374
152	Beclin 1 Forms Two Distinct Phosphatidylinositol 3-Kinase Complexes with Mammalian Atg14 and UVRAG. Molecular Biology of the Cell, 2008, 19, 5360-5372.	0.9	1,025
153	The role of autophagy during the oocyte-to-embryo transition. Autophagy, 2008, 4, 1076-1078.	4.3	86
154	Isolation of Hyperactive Mutants of Mammalian Target of Rapamycin. Journal of Biological Chemistry, 2008, 283, 31861-31870.	1.6	61
155	Rapamycin Inhibits Polyglutamine Aggregation Independently of Autophagy by Reducing Protein Synthesis. Molecular Pharmacology, 2008, 73, 1052-1063.	1.0	109
156	Constitutive Activation of Chaperone-mediated Autophagy in Cells with Impaired Macroautophagy. Molecular Biology of the Cell, 2008, 19, 2179-2192.	0.9	281
157	Chromosomal mapping of the GFP-LC3 transgene in GFP-LC3 mice. Autophagy, 2008, 4, 61-62.	4.3	30
158	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.	1.4	291
159	The autophagy geneATG5plays an essential role in B lymphocyte development. Autophagy, 2008, 4, 309-314.	4.3	314
160	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
161	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. Journal of Cell Biology, 2008, 181, 497-510.	2.3	833
162	Methamphetamine Inhibits Antigen Processing, Presentation, and Phagocytosis. PLoS Pathogens, 2008, 4, e28.	2.1	122

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163	The Atg8 Conjugation System Is Indispensable for Proper Development of Autophagic Isolation Membranes in Mice. Molecular Biology of the Cell, 2008, 19, 4762-4775.	0.9	424
164	Involvement of autophagy in trypsinogen activation within the pancreatic acinar cells. Journal of Cell Biology, 2008, 181, 1065-1072.	2.3	188
165	GFP-like Proteins Stably Accumulate in Lysosomes. Cell Structure and Function, 2008, 33, 1-12.	0.5	206
166	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.	4.3	516
167	Tissue-specific Autophagy Alterations and Increased Tumorigenesis in Mice Deficient in Atg4C/Autophagin-3. Journal of Biological Chemistry, 2007, 282, 18573-18583.	1.6	360
168	A critical role for the autophagy gene Atg5 in T cell survival and proliferation. Journal of Experimental Medicine, 2007, 204, 25-31.	4.2	564
169	Aberrant Membranes and Double-Membrane Structures Accumulate in the Axons ofAtg5-Null Purkinje Cells before Neuronal Death. Autophagy, 2007, 3, 591-596.	4.3	145
170	Collaboration of Proteolytic Systems. Autophagy, 2007, 3, 179-180.	4.3	10
171	How to Interpret LC3 Immunoblotting. Autophagy, 2007, 3, 542-545.	4.3	2,207
172	Coronavirus Replication Does Not Require the Autophagy GeneATG5. Autophagy, 2007, 3, 581-585.	4.3	189
173	Analysis of the Role of Autophagy in Replication of Herpes Simplex Virus in Cell Culture. Journal of Virology, 2007, 81, 12128-12134.	1.5	141
174	The role of mammalian autophagy in protein metabolism. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 39-46.	1.6	17
175	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. Cell, 2007, 131, 1149-1163.	13.5	1,925
176	Autophagy: process and function. Genes and Development, 2007, 21, 2861-2873.	2.7	3,312
177	Autophagy-Dependent Viral Recognition by Plasmacytoid Dendritic Cells. Science, 2007, 315, 1398-1401.	6.0	802
178	Protein Turnover Via Autophagy: Implications for Metabolism. Annual Review of Nutrition, 2007, 27, 19-40.	4.3	730
179	Crystallization and preliminary crystallographic analysis of human Atg4Bâ€“LC3 complex. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 99-102.	0.7	6
180	The role of autophagy in cardiomyocytes in the basal state and in response to hemodynamic stress. Nature Medicine, 2007, 13, 619-624.	15.2	1,378

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181	Cerebral Ischemia-Hypoxia Induces Intravascular Coagulation and Autophagy. American Journal of Pathology, 2006, 169, 566-583.	1.9	336
182	Generation of cell lines with tetracycline-regulated autophagy and a role for autophagy in controlling cell size. FEBS Letters, 2006, 580, 2623-2629.	1.3	209
183	Organelle degradation during the lens and erythroid differentiation is independent of autophagy. Biochemical and Biophysical Research Communications, 2006, 339, 485-489.	1.0	102
184	Suppression of basal autophagy in neural cells causes neurodegenerative disease in mice. Nature, 2006, 441, 885-889.	13.7	3,539
185	Intracellular Quality Control by Autophagy: How Does Autophagy Prevent Neurodegeneration?. Autophagy, 2006, 2, 302-304.	4.3	72
186	ALIS are Stress-Induced Protein Storage Compartments for Substrates of the Proteasome and Autophagy. Autophagy, 2006, 2, 189-199.	4.3	182
187	Cellular Autophagy Machinery is not Required for Vaccinia Virus Replication and Maturation. Autophagy, 2006, 2, 91-95.	4.3	39
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