

Mizushima Noboru

List of Publications by Year in descending order

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236
papers

120,321
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466

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238
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	LC3, a mammalian homologue of yeast Apg8p, is localized in autophagosome membranes after processing. <i>EMBO Journal</i> , 2000, 19, 5720-5728.	3.5	5,853
2	Autophagy fights disease through cellular self-digestion. <i>Nature</i> , 2008, 451, 1069-1075.	13.7	5,714
3	Autophagy: Renovation of Cells and Tissues. <i>Cell</i> , 2011, 147, 728-741.	13.5	4,844
4	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
5	Methods in Mammalian Autophagy Research. <i>Cell</i> , 2010, 140, 313-326.	13.5	3,939
6	Suppression of basal autophagy in neural cells causes neurodegenerative disease in mice. <i>Nature</i> , 2006, 441, 885-889.	13.7	3,539
7	Autophagy: process and function. <i>Genes and Development</i> , 2007, 21, 2861-2873.	2.7	3,312
8	Bcl-2 Antiapoptotic Proteins Inhibit Beclin 1-Dependent Autophagy. <i>Cell</i> , 2005, 122, 927-939.	13.5	3,204
9	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
10	Autophagy in immunity and inflammation. <i>Nature</i> , 2011, 469, 323-335.	13.7	2,901
11	The role of autophagy during the early neonatal starvation period. <i>Nature</i> , 2004, 432, 1032-1036.	13.7	2,630
12	The Role of Atg Proteins in Autophagosome Formation. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 107-132.	4.0	2,587
13	Chemical inhibitor of nonapoptotic cell death with therapeutic potential for ischemic brain injury. <i>Nature Chemical Biology</i> , 2005, 1, 112-119.	3.9	2,411
14	How to Interpret LC3 Immunoblotting. <i>Autophagy</i> , 2007, 3, 542-545.	4.3	2,207
15	Impairment of starvation-induced and constitutive autophagy in Atg7-deficient mice. <i>Journal of Cell Biology</i> , 2005, 169, 425-434.	2.3	2,180
16	In Vivo Analysis of Autophagy in Response to Nutrient Starvation Using Transgenic Mice Expressing a Fluorescent Autophagosome Marker. <i>Molecular Biology of the Cell</i> , 2004, 15, 1101-1111.	0.9	2,115
17	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008, 4, 151-175.	4.3	2,064
18	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. <i>Cell</i> , 2007, 131, 1149-1163.	13.5	1,925

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19	A ubiquitin-like system mediates protein lipidation. <i>Nature</i> , 2000, 408, 488-492.	13.7	1,790
20	Nutrient-dependent mTORC1 Association with the ULK1-Atg13-FIP200 Complex Required for Autophagy. <i>Molecular Biology of the Cell</i> , 2009, 20, 1981-1991.	0.9	1,743
21	A protein conjugation system essential for autophagy. <i>Nature</i> , 1998, 395, 395-398.	13.7	1,468
22	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 622 Td (edition	4.3	1,430
23	The role of autophagy in cardiomyocytes in the basal state and in response to hemodynamic stress. <i>Nature Medicine</i> , 2007, 13, 619-624.	15.2	1,378
24	A key role for autophagy and the autophagy gene Atg16l1 in mouse and human intestinal Paneth cells. <i>Nature</i> , 2008, 456, 259-263.	13.7	1,341
25	Autophagy in mammalian development and differentiation. <i>Nature Cell Biology</i> , 2010, 12, 823-830.	4.6	1,313
26	Dissection of Autophagosome Formation Using Apg5-Deficient Mouse Embryonic Stem Cells. <i>Journal of Cell Biology</i> , 2001, 152, 657-668.	2.3	1,282
27	Role of Bcl-2 family proteins in a non-apoptotic programmed cell death dependent on autophagy genes. <i>Nature Cell Biology</i> , 2004, 6, 1221-1228.	4.6	1,277
28	LC3, GABARAP and GATE16 localize to autophagosomal membrane depending on form-II formation. <i>Journal of Cell Science</i> , 2004, 117, 2805-2812.	1.2	1,256
29	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	3.5	1,230
30	Autophagy-deficient mice develop multiple liver tumors. <i>Genes and Development</i> , 2011, 25, 795-800.	2.7	1,094
31	Autophagy Defends Cells Against Invading Group A Streptococcus. <i>Science</i> , 2004, 306, 1037-1040.	6.0	1,047
32	The Hairpin-type Tail-Anchored SNARE Syntaxin 17 Targets to Autophagosomes for Fusion with Endosomes/Lysosomes. <i>Cell</i> , 2012, 151, 1256-1269.	13.5	1,042
33	Beclin 1 Forms Two Distinct Phosphatidylinositol 3-Kinase Complexes with Mammalian Atg14 and UVRAG. <i>Molecular Biology of the Cell</i> , 2008, 19, 5360-5372.	0.9	1,025
34	The role of the Atg1/ULK1 complex in autophagy regulation. <i>Current Opinion in Cell Biology</i> , 2010, 22, 132-139.	2.6	934
35	The pre-autophagosomal structure organized by concerted functions of APC genes is essential for autophagosome formation. <i>EMBO Journal</i> , 2001, 20, 5971-5981.	3.5	864
36	The Reversible Modification Regulates the Membrane-Binding State of Apg8/Aut7 Essential for Autophagy and the Cytoplasm to Vacuole Targeting Pathway. <i>Journal of Cell Biology</i> , 2000, 151, 263-276.	2.3	851

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37	Autophagosome Formation in Mammalian Cells.. Cell Structure and Function, 2002, 27, 421-429.	0.5	833
38	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. Journal of Cell Biology, 2008, 181, 497-510.	2.3	833
39	Methods for monitoring autophagy. International Journal of Biochemistry and Cell Biology, 2004, 36, 2491-2502.	1.2	830
40	Monitoring and Measuring Autophagy. International Journal of Molecular Sciences, 2017, 18, 1865.	1.8	805
41	Autophagy-Dependent Viral Recognition by Plasmacytoid Dendritic Cells. Science, 2007, 315, 1398-1401.	6.0	802
42	Escape of Intracellular Shigella from Autophagy. Science, 2005, 307, 727-731.	6.0	795
43	Protein Turnover Via Autophagy: Implications for Metabolism. Annual Review of Nutrition, 2007, 27, 19-40.	4.3	730
44	Characterization of autophagosome formation site by a hierarchical analysis of mammalian Atg proteins. Autophagy, 2010, 6, 764-776.	4.3	714
45	Autophagy and human diseases. Cell Research, 2014, 24, 69-79.	5.7	708
46	Mouse Apg16L, a novel WD-repeat protein, targets to the autophagic isolation membrane with the Apg12-Apg5 conjugate. Journal of Cell Science, 2003, 116, 1679-1688.	1.2	660
47	Autophagy in Human Diseases. New England Journal of Medicine, 2020, 383, 1564-1576.	13.9	618
48	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	3.5	615
49	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. Journal of Clinical Investigation, 2010, 120, 1084-1096.	3.9	604
50	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
51	A brief history of autophagy from cell biology to physiology and disease. Nature Cell Biology, 2018, 20, 521-527.	4.6	518
52	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
53	Parkin Mediates Proteasome-dependent Protein Degradation and Rupture of the Outer Mitochondrial Membrane. Journal of Biological Chemistry, 2011, 286, 19630-19640.	1.6	516
54	A Sensitive and Quantitative Technique for Detecting Autophagic Events Based on Lysosomal Delivery. Chemistry and Biology, 2011, 18, 1042-1052.	6.2	507

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55	Autophagy Is Essential for Preimplantation Development of Mouse Embryos. <i>Science</i> , 2008, 321, 117-120.	6.0	485
56	Essential Roles of Atg5 and FADD in Autophagic Cell Death. <i>Journal of Biological Chemistry</i> , 2005, 280, 20722-20729.	1.6	476
57	Autophagy in thymic epithelium shapes the T-cell repertoire and is essential for tolerance. <i>Nature</i> , 2008, 455, 396-400.	13.7	452
58	A New Protein Conjugation System in Human. <i>Journal of Biological Chemistry</i> , 1998, 273, 33889-33892.	1.6	442
59	The pleiotropic role of autophagy: from protein metabolism to bactericide. <i>Cell Death and Differentiation</i> , 2005, 12, 1535-1541.	5.0	426
60	In Vivo Requirement for Atg5 in Antigen Presentation by Dendritic Cells. <i>Immunity</i> , 2010, 32, 227-239.	6.6	425
61	The Atg8 Conjugation System Is Indispensable for Proper Development of Autophagic Isolation Membranes in Mice. <i>Molecular Biology of the Cell</i> , 2008, 19, 4762-4775.	0.9	424
62	Lysosome biology in autophagy. <i>Cell Discovery</i> , 2020, 6, 6.	3.1	420
63	An Autophagic Flux Probe that Releases an Internal Control. <i>Molecular Cell</i> , 2016, 64, 835-849.	4.5	406
64	The HOPS complex mediates autophagosome-lysosome fusion through interaction with syntaxin 17. <i>Molecular Biology of the Cell</i> , 2014, 25, 1327-1337.	0.9	402
65	Atg101, a novel mammalian autophagy protein interacting with Atg13. <i>Autophagy</i> , 2009, 5, 973-979.	4.3	400
66	Coronavirus Replication Complex Formation Utilizes Components of Cellular Autophagy. <i>Journal of Biological Chemistry</i> , 2004, 279, 10136-10141.	1.6	397
67	De novo mutations in the autophagy gene WDR45 cause static encephalopathy of childhood with neurodegeneration in adulthood. <i>Nature Genetics</i> , 2013, 45, 445-449.	9.4	396
68	Regulation of Intracellular Accumulation of Mutant Huntingtin by Beclin 1. <i>Journal of Biological Chemistry</i> , 2006, 281, 14474-14485.	1.6	391
69	Inhibition of autophagy in the heart induces age-related cardiomyopathy. <i>Autophagy</i> , 2010, 6, 600-606.	4.3	391
70	Formation of the 1/4350-kDa Apg12-Apg5-Apg16 Multimeric Complex, Mediated by Apg16 Oligomerization, Is Essential for Autophagy in Yeast. <i>Journal of Biological Chemistry</i> , 2002, 277, 18619-18625.	1.6	390
71	The ATG conjugation systems are important for degradation of the inner autophagosomal membrane. <i>Science</i> , 2016, 354, 1036-1041.	6.0	387
72	Apg16p is required for the function of the Apg12p-Apg5p conjugate in the yeast autophagy pathway. <i>EMBO Journal</i> , 1999, 18, 3888-3896.	3.5	385

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73	LC3- and p62-based biochemical methods for the analysis of autophagy progression in mammalian cells. <i>Methods</i> , 2015, 75, 13-18.	1.9	378
74	Autophagosome-Independent Essential Function for the Autophagy Protein Atg5 in Cellular Immunity to Intracellular Pathogens. <i>Cell Host and Microbe</i> , 2008, 4, 458-469.	5.1	374
75	p62 targeting to the autophagosome formation site requires self-oligomerization but not LC3 binding. <i>Journal of Cell Biology</i> , 2011, 192, 17-27.	2.3	366
76	Apg7p/Cvt2p: A Novel Protein-activating Enzyme Essential for Autophagy. <i>Molecular Biology of the Cell</i> , 1999, 10, 1367-1379.	0.9	363
77	Tissue-specific Autophagy Alterations and Increased Tumorigenesis in Mice Deficient in Atg4C/Autophagin-3. <i>Journal of Biological Chemistry</i> , 2007, 282, 18573-18583.	1.6	360
78	The Dynamics of Autophagy Visualised in Live Cells: from Autophagosome Formation to Fusion with Endo/lysosomes. <i>Autophagy</i> , 2005, 1, 23-36.	4.3	355
79	Mammalian Atg2 proteins are essential for autophagosome formation and important for regulation of size and distribution of lipid droplets. <i>Molecular Biology of the Cell</i> , 2012, 23, 896-909.	0.9	339
80	Cerebral Ischemia-Hypoxia Induces Intravascular Coagulation and Autophagy. <i>American Journal of Pathology</i> , 2006, 169, 566-583.	1.9	336
81	Mitochondrial dysfunction associated with increased oxidative stress and α -synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. <i>Molecular Brain</i> , 2012, 5, 35.	1.3	333
82	The structure of Atg4B-LC3 complex reveals the mechanism of LC3 processing and delipidation during autophagy. <i>EMBO Journal</i> , 2009, 28, 1341-1350.	3.5	329
83	Expression of the autophagy substrate SQSTM1/p62 is restored during prolonged starvation depending on transcriptional upregulation and autophagy-derived amino acids. <i>Autophagy</i> , 2014, 10, 431-441.	4.3	323
84	The autophagy gene <i>ATG5</i> plays an essential role in B lymphocyte development. <i>Autophagy</i> , 2008, 4, 309-314.	4.3	314
85	Participation of Autophagy in Storage of Lysosomes in Neurons from Mouse Models of Neuronal Ceroid-Lipofuscinoses (Batten Disease). <i>American Journal of Pathology</i> , 2005, 167, 1713-1728.	1.9	305
86	Induction of Autophagy in Axonal Dystrophy and Degeneration. <i>Journal of Neuroscience</i> , 2006, 26, 8057-8068.	1.7	298
87	At the end of the autophagic road: an emerging understanding of lysosomal functions in autophagy. <i>Trends in Biochemical Sciences</i> , 2014, 39, 61-71.	3.7	295
88	Suppression of autophagy in skeletal muscle uncovers the accumulation of ubiquitinated proteins and their potential role in muscle damage in Pompe disease. <i>Human Molecular Genetics</i> , 2008, 17, 3897-3908.	1.4	291
89	Constitutive Activation of Chaperone-mediated Autophagy in Cells with Impaired Macroautophagy. <i>Molecular Biology of the Cell</i> , 2008, 19, 2179-2192.	0.9	281
90	Two ubiquitin-like conjugation systems essential for autophagy. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 231-236.	2.3	276

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91	The ATG conjugation systems in autophagy. <i>Current Opinion in Cell Biology</i> , 2020, 63, 1-10.	2.6	275
92	Alfy, a novel FYVE-domain-containing protein associated with protein granules and autophagic membranes. <i>Journal of Cell Science</i> , 2004, 117, 4239-4251.	1.2	271
93	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. <i>EMBO Journal</i> , 1999, 18, 5234-5241.	3.5	266
94	A comprehensive glossary of autophagy-related molecules and processes (2 nd edition). <i>Autophagy</i> , 2011, 7, 1273-1294.	4.3	255
95	Diverse Cellular Roles of Autophagy. <i>Annual Review of Cell and Developmental Biology</i> , 2019, 35, 453-475.	4.0	250
96	Autophagy-monitoring and autophagy-deficient mice. <i>Autophagy</i> , 2017, 13, 1619-1628.	4.3	248
97	Structures containing Atg9A and the ULK1 complex independently target depolarized mitochondria at initial stages of Parkin-mediated mitophagy. <i>Journal of Cell Science</i> , 2012, 125, 1488-99.	1.2	237
98	Intracellular Inclusions Containing Mutant α 1-Antitrypsin Z Are Propagated in the Absence of Autophagic Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 4467-4476.	1.6	235
99	Intrinsically Disordered Protein TEX264 Mediates ER-phagy. <i>Molecular Cell</i> , 2019, 74, 909-921.e6.	4.5	231
100	Autophagy plays a critical role in kidney tubule maintenance, aging and ischemia-reperfusion injury. <i>Autophagy</i> , 2012, 8, 826-837.	4.3	228
101	DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. <i>Cell Death and Differentiation</i> , 2008, 15, 1875-1886.	5.0	222
102	Tti1 and Tel2 Are Critical Factors in Mammalian Target of Rapamycin Complex Assembly. <i>Journal of Biological Chemistry</i> , 2010, 285, 20109-20116.	1.6	215
103	Generation of cell lines with tetracycline-regulated autophagy and a role for autophagy in controlling cell size. <i>FEBS Letters</i> , 2006, 580, 2623-2629.	1.3	209
104	Physiological Functions of Autophagy. <i>Current Topics in Microbiology and Immunology</i> , 2009, 335, 71-84.	0.7	209
105	GFP-like Proteins Stably Accumulate in Lysosomes. <i>Cell Structure and Function</i> , 2008, 33, 1-12.	0.5	206
106	Distinct Mechanisms of Ferritin Delivery to Lysosomes in Iron-Depleted and Iron-Replete Cells. <i>Molecular and Cellular Biology</i> , 2011, 31, 2040-2052.	1.1	201
107	Dynamic association of the ULK1 complex with omegasomes during autophagy induction. <i>Journal of Cell Science</i> , 2013, 126, 5224-38.	1.2	197
108	Temporal analysis of recruitment of mammalian ATG proteins to the autophagosome formation site. <i>Autophagy</i> , 2013, 9, 1491-1499.	4.3	196

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109	Structure, lipid scrambling activity and role in autophagosome formation of ATG9A. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1194-1201.	3.6	196
110	Physiological role of autophagy as an intracellular recycling system: With an emphasis on nutrient metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 683-690.	2.3	193
111	Coronavirus Replication Does Not Require the Autophagy Gene <i>ATG5</i> . <i>Autophagy</i> , 2007, 3, 581-585.	4.3	189
112	Involvement of autophagy in trypsinogen activation within the pancreatic acinar cells. <i>Journal of Cell Biology</i> , 2008, 181, 1065-1072.	2.3	188
113	Identification of <i>Atg5</i> -dependent transcriptional changes and increases in mitochondrial mass in <i>Atg5</i> -deficient T lymphocytes. <i>Autophagy</i> , 2009, 5, 625-635.	4.3	187
114	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. <i>Journal of Cell Science</i> , 2014, 127, 4089-102.	1.2	184
115	ALIS are Stress-Induced Protein Storage Compartments for Substrates of the Proteasome and Autophagy. <i>Autophagy</i> , 2006, 2, 189-199.	4.3	182
116	The Mouse SKD1, a Homologue of Yeast Vps4p, Is Required for Normal Endosomal Trafficking and Morphology in Mammalian Cells. <i>Molecular Biology of the Cell</i> , 2000, 11, 747-763.	0.9	181
117	Genome-wide CRISPR screen identifies <i>TMEM41B</i> as a gene required for autophagosome formation. <i>Journal of Cell Biology</i> , 2018, 217, 3817-3828.	2.3	168
118	ER-Phagy: Quality Control and Turnover of Endoplasmic Reticulum. <i>Trends in Cell Biology</i> , 2020, 30, 384-398.	3.6	167
119	Autophagosomal YKT6 is required for fusion with lysosomes independently of syntaxin 17. <i>Journal of Cell Biology</i> , 2018, 217, 2633-2645.	2.3	164
120	FIP200 regulates targeting of Atg16L1 to the isolation membrane. <i>EMBO Reports</i> , 2013, 14, 284-291.	2.0	159
121	The crystal structure of microtubule-associated protein light chain 3, a mammalian homologue of <i>Saccharomyces cerevisiae</i> Atg8. <i>Genes To Cells</i> , 2004, 9, 611-618.	0.5	158
122	Autophagosome formation is initiated at phosphatidylinositol synthase-enriched ER subdomains. <i>EMBO Journal</i> , 2017, 36, 1719-1735.	3.5	158
123	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. <i>Journal of Cell Biology</i> , 2010, 191, 537-552.	2.3	156
124	Autophagy in Protein and Organelle Turnover. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011, 76, 397-402.	2.0	146
125	Aberrant Membranes and Double-Membrane Structures Accumulate in the Axons of <i>Atg5</i> -Null Purkinje Cells before Neuronal Death. <i>Autophagy</i> , 2007, 3, 591-596.	4.3	145
126	A comprehensive glossary of autophagy-related molecules and processes. <i>Autophagy</i> , 2010, 6, 438-448.	4.3	144

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127	Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567.	5.8	143
128	Chapter 2 Methods for Monitoring Autophagy Using GFP-LC3 Transgenic Mice. Methods in Enzymology, 2009, 452, 13-23.	0.4	142
129	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
130	Wetting regulates autophagy of phase-separated compartments and the cytosol. Nature, 2021, 591, 142-146.	13.7	140
131	A Protein Conjugation System in Yeast with Homology to Biosynthetic Enzyme Reaction of Prokaryotes. Journal of Biological Chemistry, 2000, 275, 7462-7465.	1.6	139
132	Autophagy Regulation of Metabolism Is Required for CD8+ T Cell Anti-tumor Immunity. Cell Reports, 2019, 27, 502-513.e5.	2.9	134
133	SKD1 AAA ATPase-Dependent Endosomal Transport is Involved in Autolysosome Formation.. Cell Structure and Function, 2002, 27, 29-37.	0.5	131
134	Methamphetamine Inhibits Antigen Processing, Presentation, and Phagocytosis. PLoS Pathogens, 2008, 4, e28.	2.1	122
135	Structural Basis for the Specificity and Catalysis of Human Atg4B Responsible for Mammalian Autophagy. Journal of Biological Chemistry, 2005, 280, 40058-40065.	1.6	121
136	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
137	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
138	Rapamycin Inhibits Polyglutamine Aggregation Independently of Autophagy by Reducing Protein Synthesis. Molecular Pharmacology, 2008, 73, 1052-1063.	1.0	109
139	Atg14 and UVRAG: Mutually exclusive subunits of mammalian Beclin 1-PI3K complexes. Autophagy, 2009, 5, 534-536.	4.3	109
140	The autophagy gene <i>Wdr45/Wipi4</i> regulates learning and memory function and axonal homeostasis. Autophagy, 2015, 11, 881-890.	4.3	109
141	Role of the Apg12 conjugation system in mammalian autophagy. International Journal of Biochemistry and Cell Biology, 2003, 35, 553-561.	1.2	107
142	Role of ULK-FIP200 complex in mammalian autophagy: FIP200, a counterpart of yeast Atg17?. Autophagy, 2009, 5, 85-87.	4.3	106
143	Organelle degradation during the lens and erythroid differentiation is independent of autophagy. Biochemical and Biophysical Research Communications, 2006, 339, 485-489.	1.0	102
144	Autophagy Assays for Biological Discovery and Therapeutic Development. Trends in Biochemical Sciences, 2020, 45, 1080-1093.	3.7	100

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145	Systemic Analysis of Atg5-Null Mice Rescued from Neonatal Lethality by Transgenic ATG5 Expression in Neurons. <i>Developmental Cell</i> , 2016, 39, 116-130.	3.1	99
146	Autophagic Cell Death of Pancreatic Acinar Cells in Serine Protease Inhibitor Kazal Type 3â€”Deficient Mice. <i>Gastroenterology</i> , 2005, 129, 696-705.	0.6	96
147	Crohn disease: A current perspective on genetics, autophagy and immunity. <i>Autophagy</i> , 2011, 7, 355-374.	4.3	94
148	Structure of the Atg101â€”Atg13 complex reveals essential roles of Atg101 in autophagy initiation. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 572-580.	3.6	94
149	Proteasome-dependent Activation of Mammalian Target of Rapamycin Complex 1 (mTORC1) Is Essential for Autophagy Suppression and Muscle Remodeling Following Denervation. <i>Journal of Biological Chemistry</i> , 2013, 288, 1125-1134.	1.6	91
150	Genetic screen in <i>Drosophila</i> muscle identifies autophagy-mediated T-tubule remodeling and a Rab2 role in autophagy. <i>ELife</i> , 2017, 6, .	2.8	88
151	Apg5p Functions in the Sequestration Step in the Cytoplasm-to-Vacuole Targeting and Macroautophagy Pathways. <i>Molecular Biology of the Cell</i> , 2000, 11, 969-982.	0.9	87
152	Atg13 Is Essential for Autophagy and Cardiac Development in Mice. <i>Molecular and Cellular Biology</i> , 2016, 36, 585-595.	1.1	87
153	The role of autophagy during the oocyte-to-embryo transition. <i>Autophagy</i> , 2008, 4, 1076-1078.	4.3	86
154	Cisplatin-induced macroautophagy occurs prior to apoptosis in proximal tubules in vivo. <i>Clinical and Experimental Nephrology</i> , 2010, 14, 112-122.	0.7	82
155	Autophagy machinery in the context of mammalian mitophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2797-2801.	1.9	76
156	Dynein- and activity-dependent retrograde transport of autophagosomes in neuronal axons. <i>Autophagy</i> , 2010, 6, 378-385.	4.3	75
157	Autophagy-Related Atg8 Localizes to the Apicoplast of the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>PLoS ONE</i> , 2012, 7, e42977.	1.1	75
158	Differential requirement for ATG2A domains for localization to autophagic membranes and lipid droplets. <i>FEBS Letters</i> , 2017, 591, 3819-3830.	1.3	74
159	Localization of Mammalian NAD(P)H Steroid Dehydrogenase-like Protein on Lipid Droplets. <i>Journal of Biological Chemistry</i> , 2003, 278, 36819-36829.	1.6	72
160	Intracellular Quality Control by Autophagy: How Does Autophagy Prevent Neurodegeneration?. <i>Autophagy</i> , 2006, 2, 302-304.	4.3	72
161	Differential Contribution of Insulin and Amino Acids to the mTORC1-Autophagy Pathway in the Liver and Muscle. <i>Journal of Biological Chemistry</i> , 2013, 288, 21074-21081.	1.6	72
162	Organelle degradation in the lens by PLAAT phospholipases. <i>Nature</i> , 2021, 592, 634-638.	13.7	71

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164	Syntaxin 17. <i>Autophagy</i> , 2013, 9, 917-919.	4.3	68
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