

# Mizushima Noboru

## List of Publications by Year in descending order

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236  
papers

123,061  
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417

129  
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816

239  
g-index

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277  
docs citations

277  
times ranked

68634  
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.	7.6	5,949
2	Autophagy fights disease through cellular self-digestion. <i>Nature</i> , 2008, 451, 1069-1075.	35.3	5,839
3	Autophagy: Renovation of Cells and Tissues. <i>Cell</i> , 2011, 147, 728-741.	27.3	5,087
4	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	11.5	4,789
5	Methods in Mammalian Autophagy Research. <i>Cell</i> , 2010, 140, 313-326.	27.3	4,016
6	Suppression of basal autophagy in neural cells causes neurodegenerative disease in mice. <i>Nature</i> , 2006, 441, 885-889.	35.3	3,582
7	Autophagy: process and function. <i>Genes and Development</i> , 2007, 21, 2861-2873.	5.8	3,387
8	Bcl-2 Antiapoptotic Proteins Inhibit Beclin 1-Dependent Autophagy. <i>Cell</i> , 2005, 122, 927-939.	27.3	3,232
9	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	11.5	3,158
10	Autophagy in immunity and inflammation. <i>Nature</i> , 2011, 469, 323-335.	35.3	2,965
11	The Role of Atg Proteins in Autophagosome Formation. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 107-132.	9.4	2,668
12	The role of autophagy during the early neonatal starvation period. <i>Nature</i> , 2004, 432, 1032-1036.	35.3	2,662
13	Chemical inhibitor of nonapoptotic cell death with therapeutic potential for ischemic brain injury. <i>Nature Chemical Biology</i> , 2005, 1, 112-119.	7.8	2,502
14	How to Interpret LC3 Immunoblotting. <i>Autophagy</i> , 2007, 3, 542-545.	11.5	2,277
15	Impairment of starvation-induced and constitutive autophagy in <i>Atg7</i> -deficient mice. <i>Journal of Cell Biology</i> , 2005, 169, 425-434.	5.1	2,214
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.	2.3	2,152
17	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008, 4, 151-175.	11.5	2,086
18	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. <i>Cell</i> , 2007, 131, 1149-1163.	27.3	1,950

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19	A ubiquitin-like system mediates protein lipidation. <i>Nature</i> , 2000, 408, 488-492.	35.3	1,829
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.	2.3	1,775
21	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662	11.5	1,642
22	A protein conjugation system essential for autophagy. <i>Nature</i> , 1998, 395, 395-398.	35.3	1,497
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.	29.5	1,404
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.	35.3	1,363
25	Autophagy in mammalian development and differentiation. <i>Nature Cell Biology</i> , 2010, 12, 823-830.	9.9	1,343
26	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	7.6	1,293
27	Dissection of Autophagosome Formation Using Apg5-Deficient Mouse Embryonic Stem Cells. <i>Journal of Cell Biology</i> , 2001, 152, 657-668.	5.1	1,292
28	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.	9.9	1,281
29	LC3, GABARAP and GATE16 localize to autophagosomal membrane depending on form-II formation. <i>Journal of Cell Science</i> , 2004, 117, 2805-2812.	2.0	1,275
30	Autophagy-deficient mice develop multiple liver tumors. <i>Genes and Development</i> , 2011, 25, 795-800.	5.8	1,132
31	The Hairpin-type Tail-Anchored SNARE Syntaxin 17 Targets to Autophagosomes for Fusion with Endosomes/Lysosomes. <i>Cell</i> , 2012, 151, 1256-1269.	27.3	1,086
32	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.	2.3	1,039
33	The role of the Atg1/ULK1 complex in autophagy regulation. <i>Current Opinion in Cell Biology</i> , 2010, 22, 132-139.	5.4	957
34	The pre-autophagosomal structure organized by concerted functions of APG genes is essential for autophagosome formation. <i>EMBO Journal</i> , 2001, 20, 5971-5981.	7.6	874
35	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.	5.1	862
36	Monitoring and Measuring Autophagy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1865.	4.1	855

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37	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. <i>Journal of Cell Biology</i> , 2008, 181, 497-510.	5.1	853
38	Autophagosome Formation in Mammalian Cells.. <i>Cell Structure and Function</i> , 2002, 27, 421-429.	1.1	848
39	Methods for monitoring autophagy. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 2491-2502.	2.8	839
40	Escape of Intracellular <i>Shigella</i> from Autophagy. <i>Science</i> , 2005, 307, 727-731.	19.6	805
41	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	7.6	760
42	Protein Turnover Via Autophagy: Implications for Metabolism. <i>Annual Review of Nutrition</i> , 2007, 27, 19-40.	10.2	743
43	Characterization of autophagosome formation site by a hierarchical analysis of mammalian Atg proteins. <i>Autophagy</i> , 2010, 6, 764-776.	11.5	733
44	Autophagy and human diseases. <i>Cell Research</i> , 2014, 24, 69-79.	12.0	721
45	Autophagy in Human Diseases. <i>New England Journal of Medicine</i> , 2020, 383, 1564-1576.	29.6	693
46	Mouse Apg16L, a novel WD-repeat protein, targets to the autophagic isolation membrane with the Apg12-Apg5 conjugate. <i>Journal of Cell Science</i> , 2003, 116, 1679-1688.	2.0	670
47	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 1084-1096.	6.5	620
48	A critical role for the autophagy gene Atg5 in T cell survival and proliferation. <i>Journal of Experimental Medicine</i> , 2007, 204, 25-31.	8.6	571
49	A brief history of autophagy from cell biology to physiology and disease. <i>Nature Cell Biology</i> , 2018, 20, 521-527.	9.9	547
50	Parkin Mediates Proteasome-dependent Protein Degradation and Rupture of the Outer Mitochondrial Membrane. <i>Journal of Biological Chemistry</i> , 2011, 286, 19630-19640.	3.4	534
51	A Sensitive and Quantitative Technique for Detecting Autophagic Events Based on Lysosomal Delivery. <i>Chemistry and Biology</i> , 2011, 18, 1042-1052.	6.2	532
52	LC3, an Autophagosome Marker, Can be Incorporated into Protein Aggregates Independent of Autophagy: Caution in the Interpretation of LC3 Localization. <i>Autophagy</i> , 2007, 3, 323-328.	11.5	521
53	Autophagy Is Essential for Preimplantation Development of Mouse Embryos. <i>Science</i> , 2008, 321, 117-120.	19.6	496
54	Essential Roles of Atg5 and FADD in Autophagic Cell Death. <i>Journal of Biological Chemistry</i> , 2005, 280, 20722-20729.	3.4	480

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55	Lysosome biology in autophagy. <i>Cell Discovery</i> , 2020, 6, 6.	6.8	473
56	Autophagy in thymic epithelium shapes the T-cell repertoire and is essential for tolerance. <i>Nature</i> , 2008, 455, 396-400.	35.3	454
57	A New Protein Conjugation System in Human. <i>Journal of Biological Chemistry</i> , 1998, 273, 33889-33892.	3.4	447
58	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.	2.3	434
59	In Vivo Requirement for Atg5 in Antigen Presentation by Dendritic Cells. <i>Immunity</i> , 2010, 32, 227-239.	13.8	431
60	An Autophagic Flux Probe that Releases an Internal Control. <i>Molecular Cell</i> , 2016, 64, 835-849.	9.4	430
61	The HOPS complex mediates autophagosome-lysosome fusion through interaction with syntaxin 17. <i>Molecular Biology of the Cell</i> , 2014, 25, 1327-1337.	2.3	415
62	Atg101, a novel mammalian autophagy protein interacting with Atg13. <i>Autophagy</i> , 2009, 5, 973-979.	11.5	407
63	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.	20.1	407
64	Coronavirus Replication Complex Formation Utilizes Components of Cellular Autophagy. <i>Journal of Biological Chemistry</i> , 2004, 279, 10136-10141.	3.4	405
65	Inhibition of autophagy in the heart induces age-related cardiomyopathy. <i>Autophagy</i> , 2010, 6, 600-606.	11.5	401
66	Regulation of Intracellular Accumulation of Mutant Huntingtin by Beclin 1. <i>Journal of Biological Chemistry</i> , 2006, 281, 14474-14485.	3.4	399
67	LC3- and p62-based biochemical methods for the analysis of autophagy progression in mammalian cells. <i>Methods</i> , 2015, 75, 13-18.	3.8	399
68	Formation of the ~350-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.	3.4	394
69	Apg16p is required for the function of the Apg12p-Apg5p conjugate in the yeast autophagy pathway. <i>EMBO Journal</i> , 1999, 18, 3888-3896.	7.6	390
70	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.	10.8	377
71	p62 targeting to the autophagosome formation site requires self-oligomerization but not LC3 binding. <i>Journal of Cell Biology</i> , 2011, 192, 17-27.	5.1	373
72	Apg7p/Cvt2p: A Novel Protein-activating Enzyme Essential for Autophagy. <i>Molecular Biology of the Cell</i> , 1999, 10, 1367-1379.	2.3	365

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73	Tissue-specific Autophagy Alterations and Increased Tumorigenesis in Mice Deficient in Atg4C/Autophagin-3. <i>Journal of Biological Chemistry</i> , 2007, 282, 18573-18583.	3.4	364
74	The Dynamics of Autophagy Visualised in Live Cells: from Autophagosome Formation to Fusion with Endo/lysosomes. <i>Autophagy</i> , 2005, 1, 23-36.	11.5	360
75	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.	2.3	351
76	Cerebral Ischemia-Hypoxia Induces Intravascular Coagulation and Autophagy. <i>American Journal of Pathology</i> , 2006, 169, 566-583.	4.0	340
77	Mitochondrial dysfunction associated with increased oxidative stress and $\alpha$ -synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. <i>Molecular Brain</i> , 2012, 5, 35.	3.0	338
78	The structure of Atg4B $\alpha$ -LC3 complex reveals the mechanism of LC3 processing and delipidation during autophagy. <i>EMBO Journal</i> , 2009, 28, 1341-1350.	7.6	335
79	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.	11.5	329
80	The autophagy gene <i>ATG5</i> plays an essential role in B lymphocyte development. <i>Autophagy</i> , 2008, 4, 309-314.	11.5	319
81	The ATG conjugation systems in autophagy. <i>Current Opinion in Cell Biology</i> , 2020, 63, 1-10.	5.4	313
82	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.	4.0	307
83	Induction of Autophagy in Axonal Dystrophy and Degeneration. <i>Journal of Neuroscience</i> , 2006, 26, 8057-8068.	3.7	302
84	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.	7.3	302
85	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.	3.0	295
86	Constitutive Activation of Chaperone-mediated Autophagy in Cells with Impaired Macroautophagy. <i>Molecular Biology of the Cell</i> , 2008, 19, 2179-2192.	2.3	286
87	Two ubiquitin-like conjugation systems essential for autophagy. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 231-236.	5.3	280
88	Alfy, a novel FYVE-domain-containing protein associated with protein granules and autophagic membranes. <i>Journal of Cell Science</i> , 2004, 117, 4239-4251.	2.0	272
89	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. <i>EMBO Journal</i> , 1999, 18, 5234-5241.	7.6	267
90	Autophagy-monitoring and autophagy-deficient mice. <i>Autophagy</i> , 2017, 13, 1619-1628.	11.5	267

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91	A comprehensive glossary of autophagy-related molecules and processes (2 <sup>nd</sup> edition). <i>Autophagy</i> , 2011, 7, 1273-1294.	11.5	263
92	Diverse Cellular Roles of Autophagy. <i>Annual Review of Cell and Developmental Biology</i> , 2019, 35, 453-475.	9.4	263
93	Intrinsically Disordered Protein TEX264 Mediates ER-phagy. <i>Molecular Cell</i> , 2019, 74, 909-921.e6.	9.4	253
94	Intracellular Inclusions Containing Mutant $\alpha$ 1-Antitrypsin Z Are Propagated in the Absence of Autophagic Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 4467-4476.	3.4	237
95	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.	2.0	237
96	Autophagy plays a critical role in kidney tubule maintenance, aging and ischemia-reperfusion injury. <i>Autophagy</i> , 2012, 8, 826-837.	11.5	235
97	Tti1 and Tel2 Are Critical Factors in Mammalian Target of Rapamycin Complex Assembly. <i>Journal of Biological Chemistry</i> , 2010, 285, 20109-20116.	3.4	220
98	GFP-like Proteins Stably Accumulate in Lysosomes. <i>Cell Structure and Function</i> , 2008, 33, 1-12.	1.1	213
99	Distinct Mechanisms of Ferritin Delivery to Lysosomes in Iron-Depleted and Iron-Replete Cells. <i>Molecular and Cellular Biology</i> , 2011, 31, 2040-2052.	2.4	211
100	Structure, lipid scrambling activity and role in autophagosome formation of ATG9A. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1194-1201.	7.8	211
101	Physiological Functions of Autophagy. <i>Current Topics in Microbiology and Immunology</i> , 2009, 335, 71-84.	0.0	211
102	Temporal analysis of recruitment of mammalian ATG proteins to the autophagosome formation site. <i>Autophagy</i> , 2013, 9, 1491-1499.	11.5	210
103	Dynamic association of the ULK1 complex with omegasomes during autophagy induction. <i>Journal of Cell Science</i> , 2013, 126, 5224-38.	2.0	202
104	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.	5.3	200
105	Promotion of tumorigenesis by heterozygous disruption of the beclin 1 autophagy gene. <i>Journal of Clinical Investigation</i> , 2003, 112, 1809-1820.	6.5	196
106	Coronavirus Replication Does Not Require the Autophagy Gene <i>ATG5</i> . <i>Autophagy</i> , 2007, 3, 581-585.	11.5	191
107	Involvement of autophagy in trypsinogen activation within the pancreatic acinar cells. <i>Journal of Cell Biology</i> , 2008, 181, 1065-1072.	5.1	191
108	Oslg1 regulates a closed panicle trait in domesticated rice. <i>Nature Genetics</i> , 2013, 45, 462-465.	20.1	188

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109	ER-Phagy: Quality Control and Turnover of Endoplasmic Reticulum. <i>Trends in Cell Biology</i> , 2020, 30, 384-398.	8.0	186
110	ALIS are Stress-Induced Protein Storage Compartments for Substrates of the Proteasome and Autophagy. <i>Autophagy</i> , 2006, 2, 189-199.	11.5	185
111	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. <i>Journal of Cell Science</i> , 2014, 127, 4089-102.	2.0	185
112	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.	5.1	183
113	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.	2.3	182
114	Autophagosomal YKT6 is required for fusion with lysosomes independently of syntaxin 17. <i>Journal of Cell Biology</i> , 2018, 217, 2633-2645.	5.1	181
115	Autophagy genes in biology and disease. <i>Nature Reviews Genetics</i> , 2023, 24, 382-400.	16.4	172
116	Wetting regulates autophagy of phase-separated compartments and the cytosol. <i>Nature</i> , 2021, 591, 142-146.	35.3	169
117	FIP200 regulates targeting of Atg16L1 to the isolation membrane. <i>EMBO Reports</i> , 2013, 14, 284-291.	4.5	165
118	Autophagosome formation is initiated at phosphatidylinositol synthase-enriched ER subdomains. <i>EMBO Journal</i> , 2017, 36, 1719-1735.	7.6	164
119	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.	1.3	158
120	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.	5.1	157
121	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.	11.5	149
122	Autophagy regulates lipid metabolism through selective turnover of NCoR1. <i>Nature Communications</i> , 2019, 10, 1567.	12.8	148
123	A comprehensive glossary of autophagy-related molecules and processes. <i>Autophagy</i> , 2010, 6, 438-448.	11.5	147
124	Analysis of the Role of Autophagy in Replication of Herpes Simplex Virus in Cell Culture. <i>Journal of Virology</i> , 2007, 81, 12128-12134.	3.4	146
125	Chapter 2 Methods for Monitoring Autophagy Using GFP- $\Delta$ C3 Transgenic Mice. <i>Methods in Enzymology</i> , 2009, 452, 13-23.	1.7	145
126	A Protein Conjugation System in Yeast with Homology to Biosynthetic Enzyme Reaction of Prokaryotes. <i>Journal of Biological Chemistry</i> , 2000, 275, 7462-7465.	3.4	142



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127	Autophagy Regulation of Metabolism Is Required for CD8+ T Cell Anti-tumor Immunity. <i>Cell Reports</i> , 2019, 27, 502-513.e5.	6.2	140
128	SKD1 AAA ATPase-Dependent Endosomal Transport is Involved in Autolysosome Formation.. <i>Cell Structure and Function</i> , 2002, 27, 29-37.	1.1	132
129	Methamphetamine Inhibits Antigen Processing, Presentation, and Phagocytosis. <i>PLoS Pathogens</i> , 2008, 4, e28.	4.0	123
130	Structural Basis for the Specificity and Catalysis of Human Atg4B Responsible for Mammalian Autophagy. <i>Journal of Biological Chemistry</i> , 2005, 280, 40058-40065.	3.4	122
131	Deletion of Autophagy-related 5 (Atg5) and Pik3c3 Genes in the Lens Causes Cataract Independent of Programmed Organelle Degradation. <i>Journal of Biological Chemistry</i> , 2013, 288, 11436-11447.	3.4	122
132	Autophagy Assays for Biological Discovery and Therapeutic Development. <i>Trends in Biochemical Sciences</i> , 2020, 45, 1080-1093.	7.3	121
133	Fis1 acts as a mitochondrial recruitment factor for TBC1D15 that is involved in regulation of mitochondrial morphology. <i>Journal of Cell Science</i> , 2013, 126, 176-185.	2.0	119
134	The autophagy gene <i>Wdr45/Wipi4</i> regulates learning and memory function and axonal homeostasis. <i>Autophagy</i> , 2015, 11, 881-890.	11.5	116
135	Atg14 and UVRAG: Mutually exclusive subunits of mammalian Beclin 1-PI3K complexes. <i>Autophagy</i> , 2009, 5, 534-536.	11.5	113
136	Rapamycin Inhibits Polyglutamine Aggregation Independently of Autophagy by Reducing Protein Synthesis. <i>Molecular Pharmacology</i> , 2008, 73, 1052-1063.	2.3	111
137	Role of the Apg12 conjugation system in mammalian autophagy. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 553-561.	2.8	110
138	Role of ULK-FIP200 complex in mammalian autophagy: FIP200, a counterpart of yeast Atg17?. <i>Autophagy</i> , 2009, 5, 85-87.	11.5	107
139	Systemic Analysis of Atg5-Null Mice Rescued from Neonatal Lethality by Transgenic ATG5 Expression in Neurons. <i>Developmental Cell</i> , 2016, 39, 116-130.	6.9	103
140	Organelle degradation during the lens and erythroid differentiation is independent of autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 485-489.	2.2	102
141	Autophagic Cell Death of Pancreatic Acinar Cells in Serine Protease Inhibitor Kazal Type 3 Deficient Mice. <i>Gastroenterology</i> , 2005, 129, 696-705.	1.3	98
142	Crohn disease: A current perspective on genetics, autophagy and immunity. <i>Autophagy</i> , 2011, 7, 355-374.	11.5	95
143	Structure of the Atg101-Atg13 complex reveals essential roles of Atg101 in autophagy initiation. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 572-580.	7.8	94
144	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.	3.4	93

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145	Atg13 Is Essential for Autophagy and Cardiac Development in Mice. <i>Molecular and Cellular Biology</i> , 2016, 36, 585-595.	2.4	91
146	Atg5p 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.	2.3	87
147	Cisplatin-induced macroautophagy occurs prior to apoptosis in proximal tubules in vivo. <i>Clinical and Experimental Nephrology</i> , 2010, 14, 112-122.	1.6	83
148	Dynein- and activity-dependent retrograde transport of autophagosomes in neuronal axons. <i>Autophagy</i> , 2010, 6, 378-385.	11.5	79
149	Autophagy machinery in the context of mammalian mitophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2797-2801.	4.0	78
150	Autophagy-Related Atg8 Localizes to the Apicoplast of the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>PLoS ONE</i> , 2012, 7, e42977.	2.5	76
151	Organelle degradation in the lens by PLAAT phospholipases. <i>Nature</i> , 2021, 592, 634-638.	35.3	76
152	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.	3.4	74
153	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. <i>Journal of Cell Science</i> , 2014, 127, 4984-4984.	2.0	73
154	Localization of Mammalian NAD(P)H Steroid Dehydrogenase-like Protein on Lipid Droplets. <i>Journal of Biological Chemistry</i> , 2003, 278, 36819-36829.	3.4	72
155	Syntaxin 17. <i>Autophagy</i> , 2013, 9, 917-919.	11.5	70
156	Role of the UBL-UBA Protein KPC2 in Degradation of p27 at G1 Phase of the Cell Cycle. <i>Molecular and Cellular Biology</i> , 2005, 25, 9292-9303.	2.4	68
157	Cycloheximide inhibits starvation-induced autophagy through mTORC1 activation. <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 334-339.	2.2	67
158	Stearoyl-CoA Desaturase 1 Activity Is Required for Autophagosome Formation. <i>Journal of Biological Chemistry</i> , 2014, 289, 23938-23950.	3.4	64
159	Expression of a ULK1/2 binding-deficient ATG13 variant can partially restore autophagic activity in ATG13-deficient cells. <i>Autophagy</i> , 2015, 11, 1471-1483.	11.5	63
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