

# Mizushima Noboru

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

232 papers	98,562 citations	122 h-index	237 g-index
237 ext. papers	110,463 ext. citations	12.2 avg, IF	8.6 L-index

#	Paper	IF	Citations
232	LC3, a mammalian homologue of yeast Apg8p, is localized in autophagosome membranes after processing. <i>EMBO Journal</i> , <b>2000</b> , 19, 5720-8	13	4990
231	Autophagy fights disease through cellular self-digestion. <i>Nature</i> , <b>2008</b> , 451, 1069-75	50.4	4910
230	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
229	Autophagy: renovation of cells and tissues. <i>Cell</i> , <b>2011</b> , 147, 728-41	56.2	3651
228	Methods in mammalian autophagy research. <i>Cell</i> , <b>2010</b> , 140, 313-26	56.2	3387
227	Suppression of basal autophagy in neural cells causes neurodegenerative disease in mice. <i>Nature</i> , <b>2006</b> , 441, 885-9	50.4	3054
226	Bcl-2 antiapoptotic proteins inhibit Beclin 1-dependent autophagy. <i>Cell</i> , <b>2005</b> , 122, 927-39	56.2	2852
225	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	10.2	2783
224	Autophagy: process and function. <i>Genes and Development</i> , <b>2007</b> , 21, 2861-73	12.6	2707
223	Autophagy in immunity and inflammation. <i>Nature</i> , <b>2011</b> , 469, 323-35	50.4	2408
222	The role of autophagy during the early neonatal starvation period. <i>Nature</i> , <b>2004</b> , 432, 1032-6	50.4	2366
221	The role of Atg proteins in autophagosome formation. <i>Annual Review of Cell and Developmental Biology</i> , <b>2011</b> , 27, 107-32	12.6	2096
220	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , <b>2008</b> , 4, 151-75	10.2	1920
219	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> , <b>2004</b> , 15, 1101-11	3.5	1885
218	Impairment of starvation-induced and constitutive autophagy in Atg7-deficient mice. <i>Journal of Cell Biology</i> , <b>2005</b> , 169, 425-34	7.3	1881
217	Chemical inhibitor of nonapoptotic cell death with therapeutic potential for ischemic brain injury. <i>Nature Chemical Biology</i> , <b>2005</b> , 1, 112-9	11.7	1874
216	How to interpret LC3 immunoblotting. <i>Autophagy</i> , <b>2007</b> , 3, 542-5	10.2	1852

215	Homeostatic levels of p62 control cytoplasmic inclusion body formation in autophagy-deficient mice. <i>Cell</i> , <b>2007</b> , 131, 1149-63	56.2	1685
214	A ubiquitin-like system mediates protein lipidation. <i>Nature</i> , <b>2000</b> , 408, 488-92	50.4	1494
213	Nutrient-dependent mTORC1 association with the ULK1-Atg13-FIP200 complex required for autophagy. <i>Molecular Biology of the Cell</i> , <b>2009</b> , 20, 1981-91	3.5	1419
212	A protein conjugation system essential for autophagy. <i>Nature</i> , <b>1998</b> , 395, 395-8	50.4	1265
211	The role of autophagy in cardiomyocytes in the basal state and in response to hemodynamic stress. <i>Nature Medicine</i> , <b>2007</b> , 13, 619-24	50.5	1197
210	Role of Bcl-2 family proteins in a non-apoptotic programmed cell death dependent on autophagy genes. <i>Nature Cell Biology</i> , <b>2004</b> , 6, 1221-8	23.4	1185
209	Dissection of autophagosome formation using Apg5-deficient mouse embryonic stem cells. <i>Journal of Cell Biology</i> , <b>2001</b> , 152, 657-68	7.3	1165
208	A key role for autophagy and the autophagy gene Atg16l1 in mouse and human intestinal Paneth cells. <i>Nature</i> , <b>2008</b> , 456, 259-63	50.4	1133
207	Autophagy in mammalian development and differentiation. <i>Nature Cell Biology</i> , <b>2010</b> , 12, 823-30	23.4	1105
206	LC3, GABARAP and GATE16 localize to autophagosomal membrane depending on form-II formation. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 2805-12	5.3	1104
205	Autophagy-deficient mice develop multiple liver tumors. <i>Genes and Development</i> , <b>2011</b> , 25, 795-800	12.6	918
204	Autophagy defends cells against invading group A Streptococcus. <i>Science</i> , <b>2004</b> , 306, 1037-40	33.3	909
203	Beclin 1 forms two distinct phosphatidylinositol 3-kinase complexes with mammalian Atg14 and UVRAG. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 5360-72	3.5	871
202	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , <b>2017</b> , 36, 1811-1836	13	857
201	The hairpin-type tail-anchored SNARE syntaxin 17 targets to autophagosomes for fusion with endosomes/lysosomes. <i>Cell</i> , <b>2012</b> , 151, 1256-69	56.2	789
200	Methods for monitoring autophagy. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2004</b> , 36, 2491-502	15.502	769
199	The role of the Atg1/ULK1 complex in autophagy regulation. <i>Current Opinion in Cell Biology</i> , <b>2010</b> , 22, 132-9	9	768
198	The pre-autophagosomal structure organized by concerted functions of APG genes is essential for autophagosome formation. <i>EMBO Journal</i> , <b>2001</b> , 20, 5971-81	13	751

197	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> , <b>2000</b> , 151, 263-76	7.3	747
196	Autophagosome formation in mammalian cells. <i>Cell Structure and Function</i> , <b>2002</b> , 27, 421-9	2.2	739
195	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. <i>Journal of Cell Biology</i> , <b>2008</b> , 181, 497-510	7.3	716
194	Autophagy-dependent viral recognition by plasmacytoid dendritic cells. <i>Science</i> , <b>2007</b> , 315, 1398-401	33.3	710
193	Escape of intracellular Shigella from autophagy. <i>Science</i> , <b>2005</b> , 307, 727-31	33.3	695
192	Protein turnover via autophagy: implications for metabolism. <i>Annual Review of Nutrition</i> , <b>2007</b> , 27, 19-40	9.9	613
191	Characterization of autophagosome formation site by a hierarchical analysis of mammalian Atg proteins. <i>Autophagy</i> , <b>2010</b> , 6, 764-76	10.2	603
190	Autophagy and human diseases. <i>Cell Research</i> , <b>2014</b> , 24, 69-79	24.7	572
189	Mouse Apg16L, a novel WD-repeat protein, targets to the autophagic isolation membrane with the Apg12-Apg5 conjugate. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 1679-88	5.3	568
188	A critical role for the autophagy gene Atg5 in T cell survival and proliferation. <i>Journal of Experimental Medicine</i> , <b>2007</b> , 204, 25-31	16.6	494
187	Monitoring and Measuring Autophagy. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	492
186	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 1084-96	15.9	484
185	LC3, an autophagosome marker, can be incorporated into protein aggregates independent of autophagy: caution in the interpretation of LC3 localization. <i>Autophagy</i> , <b>2007</b> , 3, 323-8	10.2	449
184	Parkin mediates proteasome-dependent protein degradation and rupture of the outer mitochondrial membrane. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 19630-40	5.4	444
183	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
182	Autophagy is essential for preimplantation development of mouse embryos. <i>Science</i> , <b>2008</b> , 321, 117-20	33.3	420
181	Essential roles of Atg5 and FADD in autophagic cell death: dissection of autophagic cell death into vacuole formation and cell death. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 20722-9	5.4	417
180	Autophagy in thymic epithelium shapes the T-cell repertoire and is essential for tolerance. <i>Nature</i> , <b>2008</b> , 455, 396-400	50.4	403

179	The pleiotropic role of autophagy: from protein metabolism to bactericide. <i>Cell Death and Differentiation</i> , <b>2005</b> , 12 Suppl 2, 1535-41	12.7	382
178	A new protein conjugation system in human. The counterpart of the yeast Apg12p conjugation system essential for autophagy. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 33889-92	5.4	378
177	A sensitive and quantitative technique for detecting autophagic events based on lysosomal delivery. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1042-52		374
176	In vivo requirement for Atg5 in antigen presentation by dendritic cells. <i>Immunity</i> , <b>2010</b> , 32, 227-39	32.3	372
175	The Atg8 conjugation system is indispensable for proper development of autophagic isolation membranes in mice. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 4762-75	3.5	361
174	Regulation of intracellular accumulation of mutant Huntingtin by Beclin 1. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 14474-85	5.4	351
173	Apg16p is required for the function of the Apg12p-Apg5p conjugate in the yeast autophagy pathway. <i>EMBO Journal</i> , <b>1999</b> , 18, 3888-96	13	339
172	A brief history of autophagy from cell biology to physiology and disease. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 521-527	23.4	338
171	Atg101, a novel mammalian autophagy protein interacting with Atg13. <i>Autophagy</i> , <b>2009</b> , 5, 973-9	10.2	335
170	Tissue-specific autophagy alterations and increased tumorigenesis in mice deficient in Atg4C/autophagin-3. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 18573-18583	5.4	335
169	Autophagosome-independent essential function for the autophagy protein Atg5 in cellular immunity to intracellular pathogens. <i>Cell Host and Microbe</i> , <b>2008</b> , 4, 458-69	23.4	332
168	De novo mutations in the autophagy gene WDR45 cause static encephalopathy of childhood with neurodegeneration in adulthood. <i>Nature Genetics</i> , <b>2013</b> , 45, 445-9, 449e1	36.3	330
167	Coronavirus replication complex formation utilizes components of cellular autophagy. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 10136-41	5.4	329
166	Apg7p/Cvt2p: A novel protein-activating enzyme essential for autophagy. <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 1367-79	3.5	323
165	Inhibition of autophagy in the heart induces age-related cardiomyopathy. <i>Autophagy</i> , <b>2010</b> , 6, 600-6	10.2	321
164	The dynamics of autophagy visualized in live cells: from autophagosome formation to fusion with endo/lysosomes. <i>Autophagy</i> , <b>2005</b> , 1, 23-36	10.2	320
163	Formation of the approximately 350-kDa Apg12-Apg5-Apg16 multimeric complex, mediated by Apg16 oligomerization, is essential for autophagy in yeast. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 18619-25	5.4	315
162	p62 Targeting to the autophagosome formation site requires self-oligomerization but not LC3 binding. <i>Journal of Cell Biology</i> , <b>2011</b> , 192, 17-27	7.3	309

161	Cerebral ischemia-hypoxia induces intravascular coagulation and autophagy. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 566-83	5.8	304
160	The HOPS complex mediates autophagosome-lysosome fusion through interaction with syntaxin 17. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 1327-37	3.5	298
159	The structure of Atg4B-LC3 complex reveals the mechanism of LC3 processing and delipidation during autophagy. <i>EMBO Journal</i> , <b>2009</b> , 28, 1341-50	13	294
158	The ATG conjugation systems are important for degradation of the inner autophagosomal membrane. <i>Science</i> , <b>2016</b> , 354, 1036-1041	33.3	281
157	Participation of autophagy in storage of lysosomes in neurons from mouse models of neuronal ceroid-lipofuscinoses (Batten disease). <i>American Journal of Pathology</i> , <b>2005</b> , 167, 1713-28	5.8	280
156	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> , <b>2012</b> , 23, 896-909	3.5	279
155	Mitochondrial dysfunction associated with increased oxidative stress and $\beta$ -synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. <i>Molecular Brain</i> , <b>2012</b> , 5, 35	4.5	271
154	The autophagy gene ATG5 plays an essential role in B lymphocyte development. <i>Autophagy</i> , <b>2008</b> , 4, 309-14	10.2	270
153	Induction of autophagy in axonal dystrophy and degeneration. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 8057-68.6		270
152	LC3- and p62-based biochemical methods for the analysis of autophagy progression in mammalian cells. <i>Methods</i> , <b>2015</b> , 75, 13-8	4.6	268
151	An Autophagic Flux Probe that Releases an Internal Control. <i>Molecular Cell</i> , <b>2016</b> , 64, 835-849	17.6	264
150	At the end of the autophagic road: an emerging understanding of lysosomal functions in autophagy. <i>Trends in Biochemical Sciences</i> , <b>2014</b> , 39, 61-71	10.3	261
149	Expression of the autophagy substrate SQSTM1/p62 is restored during prolonged starvation depending on transcriptional upregulation and autophagy-derived amino acids. <i>Autophagy</i> , <b>2014</b> , 10, 431-41	10.2	259
148	Two ubiquitin-like conjugation systems essential for autophagy. <i>Seminars in Cell and Developmental Biology</i> , <b>2004</b> , 15, 231-6	7.5	248
147	Constitutive activation of chaperone-mediated autophagy in cells with impaired macroautophagy. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 2179-92	3.5	247
146	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> , <b>2008</b> , 17, 3897-908	5.6	244
145	Alfy, a novel FYVE-domain-containing protein associated with protein granules and autophagic membranes. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 4239-51	5.3	228
144	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. <i>EMBO Journal</i> , <b>1999</b> , 18, 5234-41	13	216

143	Structures containing Atg9A and the ULK1 complex independently target depolarized mitochondria at initial stages of Parkin-mediated mitophagy. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 1488-99	5.3	207
142	Autophagy in Human Diseases. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 1564-1576	59.2	206
141	A comprehensive glossary of autophagy-related molecules and processes (2nd edition). <i>Autophagy</i> , <b>2011</b> , 7, 1273-94	10.2	205
140	Intracellular inclusions containing mutant alpha1-antitrypsin Z are propagated in the absence of autophagic activity. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 4467-76	5.4	201
139	DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. <i>Cell Death and Differentiation</i> , <b>2008</b> , 15, 1875-86	12.7	198
138	Autophagy plays a critical role in kidney tubule maintenance, aging and ischemia-reperfusion injury. <i>Autophagy</i> , <b>2012</b> , 8, 826-37	10.2	184
137	Physiological functions of autophagy. <i>Current Topics in Microbiology and Immunology</i> , <b>2009</b> , 335, 71-84	3.3	180
136	Tti1 and Tel2 are critical factors in mammalian target of rapamycin complex assembly. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 20109-16	5.4	179
135	Autophagy-monitoring and autophagy-deficient mice. <i>Autophagy</i> , <b>2017</b> , 13, 1619-1628	10.2	177
134	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> , <b>2000</b> , 11, 747-63	3.5	177
133	Generation of cell lines with tetracycline-regulated autophagy and a role for autophagy in controlling cell size. <i>FEBS Letters</i> , <b>2006</b> , 580, 2623-9	3.8	173
132	Coronavirus replication does not require the autophagy gene ATG5. <i>Autophagy</i> , <b>2007</b> , 3, 581-5	10.2	166
131	Identification of Atg5-dependent transcriptional changes and increases in mitochondrial mass in Atg5-deficient T lymphocytes. <i>Autophagy</i> , <b>2009</b> , 5, 625-35	10.2	164
130	Lysosome biology in autophagy. <i>Cell Discovery</i> , <b>2020</b> , 6, 6	22.3	164
129	ALIS are stress-induced protein storage compartments for substrates of the proteasome and autophagy. <i>Autophagy</i> , <b>2006</b> , 2, 189-99	10.2	162
128	Involvement of autophagy in trypsinogen activation within the pancreatic acinar cells. <i>Journal of Cell Biology</i> , <b>2008</b> , 181, 1065-72	7.3	160
127	Temporal analysis of recruitment of mammalian ATG proteins to the autophagosome formation site. <i>Autophagy</i> , <b>2013</b> , 9, 1491-9	10.2	156
126	Dynamic association of the ULK1 complex with omegasomes during autophagy induction. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 5224-38	5.3	154



125	GFP-like proteins stably accumulate in lysosomes. <i>Cell Structure and Function</i> , <b>2008</b> , 33, 1-12	2.2	152
124	Physiological role of autophagy as an intracellular recycling system: with an emphasis on nutrient metabolism. <i>Seminars in Cell and Developmental Biology</i> , <b>2010</b> , 21, 683-90	7.5	151
123	Distinct mechanisms of ferritin delivery to lysosomes in iron-depleted and iron-replete cells. <i>Molecular and Cellular Biology</i> , <b>2011</b> , 31, 2040-52	4.8	151
122	Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 4089-102	5.3	142
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> , <b>2004</b> , 9, 611-8	2.3	142
120	FIP200 regulates targeting of Atg16L1 to the isolation membrane. <i>EMBO Reports</i> , <b>2013</b> , 14, 284-91	6.5	138
119	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> , <b>2010</b> , 191, 537-52	7.3	137
118	Intrinsically Disordered Protein TEX264 Mediates ER-phagy. <i>Molecular Cell</i> , <b>2019</b> , 74, 909-921.e6	17.6	127
117	Analysis of the role of autophagy in replication of herpes simplex virus in cell culture. <i>Journal of Virology</i> , <b>2007</b> , 81, 12128-34	6.6	127
116	Methods for monitoring autophagy using GFP-LC3 transgenic mice. <i>Methods in Enzymology</i> , <b>2009</b> , 452, 13-23	1.7	124
115	Aberrant membranes and double-membrane structures accumulate in the axons of Atg5-null Purkinje cells before neuronal death. <i>Autophagy</i> , <b>2007</b> , 3, 591-6	10.2	124
114	Diverse Cellular Roles of Autophagy. <i>Annual Review of Cell and Developmental Biology</i> , <b>2019</b> , 35, 453-475	12.6	123
113	A comprehensive glossary of autophagy-related molecules and processes. <i>Autophagy</i> , <b>2010</b> , 6, 438-48	10.2	123
112	Autophagy in protein and organelle turnover. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2011</b> , 76, 397-402	3.9	122
111	SKD1 AAA ATPase-dependent endosomal transport is involved in autolysosome formation. <i>Cell Structure and Function</i> , <b>2002</b> , 27, 29-37	2.2	122
110	A protein conjugation system in yeast with homology to biosynthetic enzyme reaction of prokaryotes. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 7462-5	5.4	117
109	The ATG conjugation systems in autophagy. <i>Current Opinion in Cell Biology</i> , <b>2020</b> , 63, 1-10	9	116
108	Autophagosome formation is initiated at phosphatidylinositol synthase-enriched ER subdomains. <i>EMBO Journal</i> , <b>2017</b> , 36, 1719-1735	13	114



107	Genome-wide CRISPR screen identifies a gene required for autophagosome formation. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 3817-3828	7.3	105
106	Autophagosomal YKT6 is required for fusion with lysosomes independently of syntaxin 17. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 2633-2645	7.3	104
105	Methamphetamine inhibits antigen processing, presentation, and phagocytosis. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e28	7.6	100
104	Structural basis for the specificity and catalysis of human Atg4B responsible for mammalian autophagy. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 40058-65	5.4	100
103	Role of the Apg12 conjugation system in mammalian autophagy. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2003</b> , 35, 553-61	5.6	96
102	Rapamycin inhibits polyglutamine aggregation independently of autophagy by reducing protein synthesis. <i>Molecular Pharmacology</i> , <b>2008</b> , 73, 1052-63	4.3	95
101	Role of ULK-FIP200 complex in mammalian autophagy: FIP200, a counterpart of yeast Atg17?. <i>Autophagy</i> , <b>2009</b> , 5, 85-7	10.2	94
100	Atg14 and UVRAG: mutually exclusive subunits of mammalian Beclin 1-PI3K complexes. <i>Autophagy</i> , <b>2009</b> , 5, 534-6	10.2	93
99	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> , <b>2013</b> , 288, 11436-47	5.4	92
98	Autophagic Cell Death of Pancreatic Acinar Cells in Serine Protease Inhibitor Kazal Type 3 Deficient Mice. <i>Gastroenterology</i> , <b>2005</b> , 129, 696-705	13.3	92
97	Organelle degradation during the lens and erythroid differentiation is independent of autophagy. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 339, 485-9	3.4	90
96	The autophagy gene Wdr45/Wipi4 regulates learning and memory function and axonal homeostasis. <i>Autophagy</i> , <b>2015</b> , 11, 881-90	10.2	87
95	Fis1 acts as a mitochondrial recruitment factor for TBC1D15 that is involved in regulation of mitochondrial morphology. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 176-85	5.3	86
94	Crohn disease: a current perspective on genetics, autophagy and immunity. <i>Autophagy</i> , <b>2011</b> , 7, 355-74	10.2	84
93	Autophagy regulates lipid metabolism through selective turnover of NCoR1. <i>Nature Communications</i> , <b>2019</b> , 10, 1567	17.4	80
92	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> , <b>2013</b> , 288, 1125-34	5.4	80
91	Apg5p functions in the sequestration step in the cytoplasm-to-vacuole targeting and macroautophagy pathways. <i>Molecular Biology of the Cell</i> , <b>2000</b> , 11, 969-82	3.5	80
90	Autophagy in major human diseases. <i>EMBO Journal</i> , <b>2021</b> , 40, e108863	13	79

89	The role of autophagy during the oocyte-to-embryo transition. <i>Autophagy</i> , <b>2008</b> , 4, 1076-8	10.2	77
88	Autophagy Regulation of Metabolism Is Required for CD8 T Cell Anti-tumor Immunity. <i>Cell Reports</i> , <b>2019</b> , 27, 502-513.e5	10.6	76
87	Structure, lipid scrambling activity and role in autophagosome formation of ATG9A. <i>Nature Structural and Molecular Biology</i> , <b>2020</b> , 27, 1194-1201	17.6	73
86	ER-Phagy: Quality Control and Turnover of Endoplasmic Reticulum. <i>Trends in Cell Biology</i> , <b>2020</b> , 30, 384-398	18.3	72
85	Cisplatin-induced macroautophagy occurs prior to apoptosis in proximal tubules in vivo. <i>Clinical and Experimental Nephrology</i> , <b>2010</b> , 14, 112-22	2.5	72
84	Structure of the Atg101-Atg13 complex reveals essential roles of Atg101 in autophagy initiation. <i>Nature Structural and Molecular Biology</i> , <b>2015</b> , 22, 572-80	17.6	71
83	Systemic Analysis of Atg5-Null Mice Rescued from Neonatal Lethality by Transgenic ATG5 Expression in Neurons. <i>Developmental Cell</i> , <b>2016</b> , 39, 116-130	10.2	71
82	Atg13 Is Essential for Autophagy and Cardiac Development in Mice. <i>Molecular and Cellular Biology</i> , <b>2016</b> , 36, 585-95	4.8	66
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