Takeshi Noda

List of Publications by Year in Descending Order

102 papers	37,348 citations	61 h-index	110 g-index
110 ext. papers	41,597 ext. citations	9.2 avg, IF	6.7 L-index

#	Paper	IF	Citations
102	Vacuolar protein Tag1 and Atg1-Atg13 regulate autophagy termination during persistent starvation in. *Journal of Cell Science*, **2021**, 134,	5.3	3
101	Isoflurane induces Art2-Rsp5-dependent endocytosis of Bap2 in yeast. *FEBS Open Bio*, **2021**, 11, 3090-3100	2.7	0
100	A CRISPR/Cas9-based method for seamless N-terminal protein tagging in Saccharomyces cerevisiae. *Yeast*, **2021**, 38, 592-600	3.4	1
99	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
98	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan. *PLoS ONE*, **2020**, 15, e0230156	3.7	3
97	Nicotinamide Increases Intracellular NAD Content to Enhance Autophagy-Mediated Group A Streptococcal Clearance in Endothelial Cells. *Frontiers in Microbiology*, **2020**, 11, 117	5.7	3
96	ERdj8 governs the size of autophagosomes during the formation process. *Journal of Cell Biology*, **2020**, 219,	7.3	8
95	Autophagosome formation in relation to the endoplasmic reticulum. *Journal of Biomedical Science*, **2020**, 27, 97	13.3	8
94	STEEP mediates STING ER exit and activation of signaling. *Nature Immunology*, **2020**, 21, 868-879	19.1	30
93	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan **2020**, 15, e0230156		
92	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan **2020**, 15, e0230156		
91	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan **2020**, 15, e0230156		
90	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan **2020**, 15, e0230156		
89	Osteoblastic lysosome plays a central role in mineralization. *Science Advances*, **2019**, 5, eaax0672	14.3	27
88	Group A Streptococcus Induces LAPosomes via SLO/β Integrin/NOX2/ROS Pathway in Endothelial Cells That Are Ineffective in Bacterial Killing and Suppress Xenophagy. *MBio*, **2019**, 10,	7.8	14
87	Rheb localized on the Golgi membrane activates lysosome-localized mTORC1 at the Golgi-lysosome contact site. *Journal of Cell Science*, **2018**, 131,	5.3	29
86	Induction of selective autophagy in cells replicating hepatitis C virus genome. *Journal of General Virology*, **2018**, 99, 1643-1657	4.9	11

85	Vacuole-mediated selective regulation of TORC1-Sch9 signaling following oxidative stress. *Molecular Biology of the Cell*, **2018**, 29, 510-522	3.5	14
84	Gtr/Ego-independent TORC1 activation is achieved through a glutamine-sensitive interaction with Pib2 on the vacuolar membrane. *PLoS Genetics*, **2018**, 14, e1007334	6	25
83	The Yeast Vacuole: A Paradigm for Plant Cell Biologists? **2018**, 1-21		1
82	Endothelial cells are intrinsically defective in xenophagy of Streptococcus pyogenes. *PLoS Pathogens*, **2017**, 13, e1006444	7.6	15
81	Quantitative Assay of Macroautophagy Using Pho8?60 Assay and GFP-Cleavage Assay in Yeast. *Methods in Enzymology*, **2017**, 588, 307-321	1.7	5
80	Autophagy in the context of the cellular membrane-trafficking system: the enigma of Atg9 vesicles. *Biochemical Society Transactions*, **2017**, 45, 1323-1331	5.1	45
79	Regulation of Autophagy through TORC1 and mTORC1. *Biomolecules*, **2017**, 7,	5.9	61
78	Study on Autophagy by Professor Ohsumi: Nobel Prize Originated from the Frontier. *Trends in the Sciences*, **2017**, 22, 2_13-2_17	0	
77	Ole1, fatty acid desaturase, is required for Atg9 delivery and isolation membrane expansion during autophagy in Saccharomyces cerevisiae. *Biology Open*, **2017**, 6, 35-40	2.2	13
76	Atg9A trafficking through the recycling endosomes is required for autophagosome formation. *Journal of Cell Science*, **2016**, 129, 3781-3791	5.3	80
75	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
74	The PtdIns3-phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. *FEBS Letters*, **2016**, 590, 161-73	3.8	19
73	Dynamic relocation of the TORC1-Gtr1/2-Ego1/2/3 complex is regulated by Gtr1 and Gtr2. *Molecular Biology of the Cell*, **2016**, 27, 382-96	3.5	45
72	Disease severity is associated with differential gene expression at the early and late phases of infection in nonhuman primates infected with different H5N1 highly pathogenic avian influenza viruses. *Journal of Virology*, **2014**, 88, 8981-97	6.6	38
71	Reciprocal conversion of Gtr1 and Gtr2 nucleotide-binding states by Npr2-Npr3 inactivates TORC1 and induces autophagy. *Autophagy*, **2014**, 10, 1565-78	10.2	44
70	Porphyromonas gingivalis promotes invasion of oral squamous cell carcinoma through induction of proMMP9 and its activation. *Cellular Microbiology*, **2014**, 16, 131-45	3.9	115
69	Characterization of H7N9 influenza A viruses isolated from humans. *Nature*, **2013**, 501, 551-5	50.4	321
68	TRAPPIII is responsible for vesicular transport from early endosomes to Golgi, facilitating Atg9 cycling in autophagy. *Journal of Cell Science*, **2013**, 126, 4963-73	5.3	64

67	Autophagy sequesters damaged lysosomes to control lysosomal biogenesis and kidney injury. *EMBO Journal*, **2013**, 32, 2336-47	13	319
66	Autophagosomes form at ER-mitochondria contact sites. *Nature*, **2013**, 495, 389-93	50.4	1148
65	Morphological analysis of autophagy. *Methods in Molecular Biology*, **2013**, 931, 449-66	1.4	9
64	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. *Journal of Cell Biology*, **2013**, 203, 115-28	7.3	201
63	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
62	Three-Axis Model for Atg Recruitment in Autophagy against Salmonella. *International Journal of Cell Biology*, **2012**, 2012, 389562	2.6	14
61	Chemical modulators of autophagy as biological probes and potential therapeutics. *Nature Chemical Biology*, **2011**, 7, 9-17	11.7	302
60	Dysfunction of autophagy participates in vacuole formation and cell death in cells replicating hepatitis C virus. *Journal of Virology*, **2011**, 85, 13185-94	6.6	65
59	The LC3 recruitment mechanism is separate from Atg9L1-dependent membrane formation in the autophagic response against Salmonella. *Molecular Biology of the Cell*, **2011**, 22, 2290-300	3.5	143
58	Atg14L recruits PtdIns 3-kinase to the ER for autophagosome formation. *Autophagy*, **2011**, 7, 438-9	10.2	11
57	Modulation of local PtdIns3P levels by the PI phosphatase MTMR3 regulates constitutive autophagy. *Traffic*, **2010**, 11, 468-78	5.7	145
56	Electron tomography reveals the endoplasmic reticulum as a membrane source for autophagosome formation. *Autophagy*, **2010**, 6, 301-3	10.2	63
55	Combinational soluble N-ethylmaleimide-sensitive factor attachment protein receptor proteins VAMP8 and Vti1b mediate fusion of antimicrobial and canonical autophagosomes with lysosomes. *Molecular Biology of the Cell*, **2010**, 21, 1001-10	3.5	167
54	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. *Journal of Cell Biology*, **2010**, 190, 511-21	7.3	345
53	Between canonical and antibacterial autophagy: Rab7 is required for GAS-containing autophagosome-like vacuole formation. *Autophagy*, **2010**, 6, 419-20	10.2	16
52	Rubicon and PLEKHM1 negatively regulate the endocytic/autophagic pathway via a novel Rab7-binding domain. *Molecular Biology of the Cell*, **2010**, 21, 4162-72	3.5	103
51	Regulation of membrane biogenesis in autophagy via PI3P dynamics. *Seminars in Cell and Developmental Biology*, **2010**, 21, 671-6	7.5	73
50	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. *Journal of Experimental Medicine*, **2010**, 207, i24-i24	16.6	

49	Atg9a controls dsDNA-driven dynamic translocation of STING and the innate immune response. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20842-6	11.5	560
48	Differential involvement of Atg16L1 in Crohn disease and canonical autophagy: analysis of the organization of the Atg16L1 complex in fibroblasts. *Journal of Biological Chemistry*, **2009**, 284, 32602-9	5.4	97
47	Binding Rubicon to cross the Rubicon. *Autophagy*, **2009**, 5, 876-7	10.2	35
46	Atg4B(C74A) hampers autophagosome closure: a useful protein for inhibiting autophagy. *Autophagy*, **2009**, 5, 88-9	10.2	29
45	Molecular basis of canonical and bactericidal autophagy. *International Immunology*, **2009**, 21, 1199-204	4.9	33
44	An initial step of GAS-containing autophagosome-like vacuoles formation requires Rab7. *PLoS Pathogens*, **2009**, 5, e1000670	7.6	79
43	The late stages of autophagy: how does the end begin?. *Cell Death and Differentiation*, **2009**, 16, 984-90	12.7	130
42	Two Beclin 1-binding proteins, Atg14L and Rubicon, reciprocally regulate autophagy at different stages. *Nature Cell Biology*, **2009**, 11, 385-96	23.4	894
41	A subdomain of the endoplasmic reticulum forms a cradle for autophagosome formation. *Nature Cell Biology*, **2009**, 11, 1433-7	23.4	804
40	Early zygotic expression of transcription factors and signal molecules in fully dissociated embryonic cells of Ciona intestinalis: A microarray analysis. *Development Growth and Differentiation*, **2009**, 51, 639-55	3	3
39	Monitoring autophagy in mammalian cultured cells through the dynamics of LC3. *Methods in Enzymology*, **2009**, 452, 1-12	1.7	192
38	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1beta production. *Nature*, **2008**, 456, 264-8	50.4	1560
37	Transport of phosphatidylinositol 3-phosphate into the vacuole via autophagic membranes in Saccharomyces cerevisiae. *Genes To Cells*, **2008**, 13, 537-47	2.3	115
36	Toward unraveling membrane biogenesis in mammalian autophagy. *Current Opinion in Cell Biology*, **2008**, 20, 401-7	9	97
35	The Atg16L complex specifies the site of LC3 lipidation for membrane biogenesis in autophagy. *Molecular Biology of the Cell*, **2008**, 19, 2092-100	3.5	759
34	The quantitative Pho8Delta60 assay of nonspecific autophagy. *Methods in Enzymology*, **2008**, 451, 33-42	1.7	116
33	The Ubi brothers reunited. *Autophagy*, **2008**, 4, 540-1	10.2	22
32	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy*, **2008**, 4, 151-75	10.2	1920

31	An Atg4B mutant hampers the lipidation of LC3 paralogues and causes defects in autophagosome closure. *Molecular Biology of the Cell*, **2008**, 19, 4651-9	3.5	397
30	Viability assays to monitor yeast autophagy. *Methods in Enzymology*, **2008**, 451, 27-32	1.7	23
29	Dynein-dependent movement of autophagosomes mediates efficient encounters with lysosomes. *Cell Structure and Function*, **2008**, 33, 109-22	2.2	309
28	Dissection of the autophagosome maturation process by a novel reporter protein, tandem fluorescent-tagged LC3. *Autophagy*, **2007**, 3, 452-60	10.2	1628
27	Starvation triggers the delivery of the endoplasmic reticulum to the vacuole via autophagy in yeast. *Traffic*, **2005**, 6, 56-65	5.7	135
26	Processing of ATG8s, ubiquitin-like proteins, and their deconjugation by ATG4s are essential for plant autophagy. *Plant Cell*, **2004**, 16, 2967-83	11.6	435
25	In vivo and in vitro reconstitution of Atg8 conjugation essential for autophagy. *Journal of Biological Chemistry*, **2004**, 279, 40584-92	5.4	156
24	Interrelationships among Atg proteins during autophagy in Saccharomyces cerevisiae. *Yeast*, **2004**, 21, 1057-65	3.4	34
23	The early secretory pathway contributes to autophagy in yeast. *Cell Structure and Function*, **2003**, 28, 49-54	2.2	81
22	Peroxisome degradation requires catalytically active sterol glucosyltransferase with a GRAM domain. *EMBO Journal*, **2003**, 22, 3231-41	13	82
21	Yeast autophagosomes: de novo formation of a membrane structure. *Trends in Cell Biology*, **2002**, 12, 231-5	18.3	171
20	Leaf senescence and starvation-induced chlorosis are accelerated by the disruption of an Arabidopsis autophagy gene. *Plant Physiology*, **2002**, 129, 1181-93	6.6	458
19	The pre-autophagosomal structure organized by concerted functions of APG genes is essential for autophagosome formation. *EMBO Journal*, **2001**, 20, 5971-81	13	751
18	Autophagosome requires specific early Sec proteins for its formation and NSF/SNARE for vacuolar fusion. *Molecular Biology of the Cell*, **2001**, 12, 3690-702	3.5	296
17	Apg2p functions in autophagosome formation on the perivacuolar structure. *Journal of Biological Chemistry*, **2001**, 276, 30452-60	5.4	95
16	Two distinct Vps34 phosphatidylinositol 3-kinase complexes function in autophagy and carboxypeptidase Y sorting in Saccharomyces cerevisiae. *Journal of Cell Biology*, **2001**, 152, 519-30	7.3	811
15	A ubiquitin-like system mediates protein lipidation. *Nature*, **2000**, 408, 488-92	50.4	1494
14	LC3, a mammalian homologue of yeast Apg8p, is localized in autophagosome membranes after processing. *EMBO Journal*, **2000**, 19, 5720-8	13	4990

13	A protein conjugation system in yeast with homology to biosynthetic enzyme reaction of prokaryotes. *Journal of Biological Chemistry*, **2000**, 275, 7462-5	5.4	117
12	Apg9p/Cvt7p is an integral membrane protein required for transport vesicle formation in the Cvt and autophagy pathways. *Journal of Cell Biology*, **2000**, 148, 465-80	7.3	313
11	The reversible modification regulates the membrane-binding state of Apg8/Aut7 essential for autophagy and the cytoplasm to vacuole targeting pathway. *Journal of Cell Biology*, **2000**, 151, 263-76	7.3	747
10	Formation process of autophagosome is traced with Apg8/Aut7p in yeast. *Journal of Cell Biology*, **1999**, 147, 435-46	7.3	722
9	Apg16p is required for the function of the Apg12p-Apg5p conjugate in the yeast autophagy pathway. *EMBO Journal*, **1999**, 18, 3888-96	13	339
8	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. *EMBO Journal*, **1999**, 18, 5234-41	13	216
7	A protein conjugation system essential for autophagy. *Nature*, **1998**, 395, 395-8	50.4	1265
6	Tor, a phosphatidylinositol kinase homologue, controls autophagy in yeast. *Journal of Biological Chemistry*, **1998**, 273, 3963-6	5.4	957
5	Analyses of APG13 gene involved in autophagy in yeast, Saccharomyces cerevisiae. *Gene*, **1997**, 192, 207-18	3.8	136
4	Mutational analysis of Csc1/Vps4p: involvement of endosome in regulation of autophagy in yeast. *Cell Structure and Function*, **1997**, 22, 501-9	2.2	59
3	Cytoplasm-to-vacuole targeting and autophagy employ the same machinery to deliver proteins to the yeast vacuole. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 12304-8	11.5	218
2	Novel system for monitoring autophagy in the yeast Saccharomyces cerevisiae. *Biochemical and Biophysical Research Communications*, **1995**, 210, 126-32	3.4	300
1	Autophagy in yeast demonstrated with proteinase-deficient mutants and conditions for its induction. *Journal of Cell Biology*, **1992**, 119, 301-11	7.3	936