List of Publications by Year in descending order

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TAKESHI NODA

#	Article	IF	CITATIONS
1	LC3, a mammalian homologue of yeast Apg8p, is localized in autophagosome membranes after processing. EMBO Journal, 2000, 19, 5720-5728.	7.8	5,853
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
3	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
4	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	9.1	2,064
5	Dissection of the Autophagosome Maturation Process by a Novel Reporter Protein, Tandem Fluorescent-Tagged LC3. Autophagy, 2007, 3, 452-460.	9.1	1,943
6	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1β production. Nature, 2008, 456, 264-268.	27.8	1,837
7	A ubiquitin-like system mediates protein lipidation. Nature, 2000, 408, 488-492.	27.8	1,790
8	A protein conjugation system essential for autophagy. Nature, 1998, 395, 395-398.	27.8	1,468
9	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /C	verlock 10	D Tf 50 422 T 1,430
10	Autophagosomes form at ER–mitochondria contact sites. Nature, 2013, 495, 389-393.	27.8	1,401
11	Tor, a Phosphatidylinositol Kinase Homologue, Controls Autophagy in Yeast. Journal of Biological Chemistry, 1998, 273, 3963-3966.	3.4	1,140
12	Autophagy in yeast demonstrated with proteinase-deficient mutants and conditions for its induction Journal of Cell Biology, 1992, 119, 301-311.	5.2	1,137
13	Two Beclin 1-binding proteins, Atg14L and Rubicon, reciprocally regulate autophagy at different stages. Nature Cell Biology, 2009, 11, 385-396.	10.3	1,046
14	A subdomain of the endoplasmic reticulum forms a cradle for autophagosome formation. Nature Cell Biology, 2009, 11, 1433-1437.	10.3	976
15	Two Distinct Vps34 Phosphatidylinositol 3–Kinase Complexes Function in Autophagy and Carboxypeptidase Y Sorting inSaccharomyces cerevisiae. Journal of Cell Biology, 2001, 152, 519-530.	5.2	944
16	The Atg16L Complex Specifies the Site of LC3 Lipidation for Membrane Biogenesis in Autophagy. Molecular Biology of the Cell, 2008, 19, 2092-2100.	2.1	900
17	The pre-autophagosomal structure organized by concerted functions of APG genes is essential for autophagosome formation. EMBO Journal, 2001, 20, 5971-5981.	7.8	864
18	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, 263-276.	5.2	851

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19	Formation Process of Autophagosome Is Traced with Apg8/Aut7p in Yeast. Journal of Cell Biology, 1999, 147, 435-446.	5.2	827
20	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, 20842-20846.	7.1	705
21	Leaf Senescence and Starvation-Induced Chlorosis Are Accelerated by the Disruption of an Arabidopsis Autophagy Gene. Plant Physiology, 2002, 129, 1181-1193.	4.8	548
22	Processing of ATG8s, Ubiquitin-Like Proteins, and Their Deconjugation by ATG4s Are Essential for Plant Autophagy. Plant Cell, 2004, 16, 2967-2983.	6.6	540
23	An Atg4B Mutant Hampers the Lipidation of LC3 Paralogues and Causes Defects in Autophagosome Closure. Molecular Biology of the Cell, 2008, 19, 4651-4659.	2.1	459
24	Autophagy sequesters damaged lysosomes to control lysosomal biogenesis and kidney injury. EMBO Journal, 2013, 32, 2336-2347.	7.8	455
25	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. Journal of Cell Biology, 2010, 190, 511-521.	5.2	402
26	Apg16p is required for the function of the Apg12p–Apg5p conjugate in the yeast autophagy pathway. EMBO Journal, 1999, 18, 3888-3896.	7.8	385
27	Characterization of H7N9 influenza A viruses isolated from humans. Nature, 2013, 501, 551-555.	27.8	371
28	Dynein-dependent Movement of Autophagosomes Mediates Efficient Encounters with Lysosomes. Cell Structure and Function, 2008, 33, 109-122.	1.1	366
29	Apg9p/Cvt7p Is an Integral Membrane Protein Required for Transport Vesicle Formation in the Cvt and Autophagy Pathways. Journal of Cell Biology, 2000, 148, 465-480.	5.2	362
30	Chemical modulators of autophagy as biological probes and potential therapeutics. Nature Chemical Biology, 2011, 7, 9-17.	8.0	344
31	Autophagosome Requires Specific Early Sec Proteins for Its Formation and NSF/SNARE for Vacuolar Fusion. Molecular Biology of the Cell, 2001, 12, 3690-3702.	2.1	325
32	Novel System for Monitoring Autophagy in the Yeast Saccharomyces cerevisiae. Biochemical and Biophysical Research Communications, 1995, 210, 126-132.	2.1	324
33	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. EMBO Journal, 1999, 18, 5234-5241.	7.8	266
34	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. Journal of Cell Biology, 2013, 203, 115-128.	5.2	242
35	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, 12304-12308.	7.1	240
36	Chapter 1 Monitoring Autophagy in Mammalian Cultured Cells through the Dynamics of LC3. Methods in Enzymology, 2009, 452, 1-12.	1.0	220

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37	Yeast autophagosomes: de novo formation of a membrane structure. Trends in Cell Biology, 2002, 12, 231-235.	7.9	190
38	Combinational Soluble <i>N</i> -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, 1001-1010.	2.1	188
39	<i>Porphyromonas gingivalis</i> promotes invasion of oral squamous cell carcinoma through induction of proMMP9 and its activation. Cellular Microbiology, 2014, 16, 131-145.	2.1	186
40	In Vivo and in Vitro Reconstitution of Atg8 Conjugation Essential for Autophagy. Journal of Biological Chemistry, 2004, 279, 40584-40592.	3.4	180
41	Starvation Triggers the Delivery of the Endoplasmic Reticulum to the Vacuole via Autophagy in Yeast. Traffic, 2005, 6, 56-65.	2.7	168
42	Modulation of Local PtdIns3P Levels by the PI Phosphatase MTMR3 Regulates Constitutive Autophagy. Traffic, 2010, 11, 468-478.	2.7	167
43	The LC3 recruitment mechanism is separate from Atg9L1-dependent membrane formation in the autophagic response against <i>Salmonella</i> . Molecular Biology of the Cell, 2011, 22, 2290-2300.	2.1	158
44	Analyses of APG13 gene involved in autophagy in yeast, Saccharomyces cerevisiae. Gene, 1997, 192, 207-213.	2.2	154
45	The late stages of autophagy: how does the end begin?. Cell Death and Differentiation, 2009, 16, 984-990.	11.2	148
46	A Protein Conjugation System in Yeast with Homology to Biosynthetic Enzyme Reaction of Prokaryotes. Journal of Biological Chemistry, 2000, 275, 7462-7465.	3.4	139
47	Rubicon and PLEKHM1 Negatively Regulate the Endocytic/Autophagic Pathway via a Novel Rab7-binding Domain. Molecular Biology of the Cell, 2010, 21, 4162-4172.	2.1	136
48	Chapter 3 The Quantitative Pho8Δ60 Assay of Nonspecific Autophagy. Methods in Enzymology, 2008, 451, 33-42.	1.0	132
49	Transport of phosphatidylinositol 3-phosphate into the vacuole via autophagic membranes in Saccharomyces cerevisiae. Genes To Cells, 2008, 13, 537-547.	1.2	128
50	Atg9A trafficking through the recycling endosomes is required for autophagosome formation. Journal of Cell Science, 2016, 129, 3781-3791.	2.0	116
51	Apg2p Functions in Autophagosome Formation on the Perivacuolar Structure. Journal of Biological Chemistry, 2001, 276, 30452-30460.	3.4	115
52	Differential Involvement of Atg16L1 in Crohn Disease and Canonical Autophagy. Journal of Biological Chemistry, 2009, 284, 32602-32609.	3.4	108
53	Toward unraveling membrane biogenesis in mammalian autophagy. Current Opinion in Cell Biology, 2008, 20, 401-407.	5.4	100
54	Regulation of Autophagy through TORC1 and mTORC1. Biomolecules, 2017, 7, 52.	4.0	100

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55	Peroxisome degradation requires catalytically active sterol glucosyltransferase with a GRAM domain. EMBO Journal, 2003, 22, 3231-3241.	7.8	96
56	The Early Secretory Pathway Contributes to Autophagy in Yeast Cell Structure and Function, 2003, 28, 49-54.	1.1	96
57	An Initial Step of GAS-Containing Autophagosome-Like Vacuoles Formation Requires Rab7. PLoS Pathogens, 2009, 5, e1000670.	4.7	85
58	Regulation of membrane biogenesis in autophagy via PI3P dynamics. Seminars in Cell and Developmental Biology, 2010, 21, 671-676.	5.0	85
59	STEEP mediates STING ER exit and activation of signaling. Nature Immunology, 2020, 21, 868-879.	14.5	82
60	TRAPPIII is responsible for the vesicular transport from early endosomes to the Golgi apparatus that facilitates Atg9 cycling in autophagy. Journal of Cell Science, 2013, 126, 4963-73.	2.0	74
61	Osteoblastic lysosome plays a central role in mineralization. Science Advances, 2019, 5, eaax0672.	10.3	74
62	Electron tomography reveals the endoplasmic reticulum as a membrane source for autophagosome formation. Autophagy, 2010, 6, 301-303.	9.1	71
63	Dysfunction of Autophagy Participates in Vacuole Formation and Cell Death in Cells Replicating Hepatitis C Virus. Journal of Virology, 2011, 85, 13185-13194.	3.4	71
64	Mutational Analysis of Csc1/Vps4p: Involvement of Endosome in Regulation of Autophagy in Yeast Cell Structure and Function, 1997, 22, 501-509.	1.1	62
65	Autophagy in the context of the cellular membrane-trafficking system: the enigma of Atg9 vesicles. Biochemical Society Transactions, 2017, 45, 1323-1331.	3.4	61
66	Dynamic relocation of the TORC1–Gtr1/2–Ego1/2/3 complex is regulated by Gtr1 and Gtr2. Molecular Biology of the Cell, 2016, 27, 382-396.	2.1	59
67	Reciprocal conversion of Gtr1 and Gtr2 nucleotide-binding states by Npr2-Npr3 inactivates TORC1 and induces autophagy. Autophagy, 2014, 10, 1565-1578.	9.1	58
68	Rheb localized on the Golgi membrane activates lysosome-localized mTORC1 at the Golgi-lysosome contact site. Journal of Cell Science, 2018, 131, .	2.0	52
69	Gtr/Ego-independent TORC1 activation is achieved through a glutamine-sensitive interaction with Pib2 on the vacuolar membrane. PLoS Genetics, 2018, 14, e1007334.	3.5	51
70	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, 8981-8997.	3.4	45
71	Binding Rubicon to cross the Rubicon. Autophagy, 2009, 5, 876-877.	9.1	37
72	Molecular basis of canonical and bactericidal autophagy. International Immunology, 2009, 21, 1199-1204.	4.0	37

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73	Interrelationships among Atg proteins during autophagy inSaccharomyces cerevisiae. Yeast, 2004, 21, 1057-1065.	1.7	36
74	Atg4B ^{C74A} hampers autophagosome closure: A useful protein for inhibiting autophagy. Autophagy, 2009, 5, 88-89.	9.1	31
75	Chapter 2 Viability Assays to Monitor Yeast Autophagy. Methods in Enzymology, 2008, 451, 27-32.	1.0	27
76	The PtdIns3â€phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. FEBS Letters, 2016, 590, 161-173.	2.8	26
77	Endothelial cells are intrinsically defective in xenophagy of Streptococcus pyogenes. PLoS Pathogens, 2017, 13, e1006444.	4.7	26
78	Group A Streptococcus Induces LAPosomes via SLO/ \hat{l}^21 Integrin/NOX2/ROS Pathway in Endothelial Cells That Are Ineffective in Bacterial Killing and Suppress Xenophagy. MBio, 2019, 10, .	4.1	26
79	Vacuole-mediated selective regulation of TORC1-Sch9 signaling following oxidative stress. Molecular Biology of the Cell, 2018, 29, 510-522.	2.1	24
80	The Ubi brothers reunited. Autophagy, 2008, 4, 540-541.	9.1	22
81	Autophagosome formation in relation to the endoplasmic reticulum. Journal of Biomedical Science, 2020, 27, 97.	7.0	19
82	Between canonical and antibacterial autophagy: Rab7 is required for GAS-containing autophagosome-like vacuole formation. Autophagy, 2010, 6, 419-420.	9.1	17
83	Ole1, fatty acid desaturase, is required for Atg9 delivery and isolation membrane expansion during autophagy in <i>Saccharomyces cerevisiae</i> . Biology Open, 2017, 6, 35-40.	1.2	16
84	Three-Axis Model for Atg Recruitment in Autophagy againstSalmonella. International Journal of Cell Biology, 2012, 2012, 1-6.	2.5	14
85	ERdj8 governs the size of autophagosomes during the formation process. Journal of Cell Biology, 2020, 219, .	5.2	14
86	Induction of selective autophagy in cells replicating hepatitis C virus genome. Journal of General Virology, 2018, 99, 1643-1657.	2.9	14
87	Quantitative Assay of Macroautophagy Using Pho8â— ³ 60 Assay and GFP-Cleavage Assay in Yeast. Methods in Enzymology, 2017, 588, 307-321.	1.0	12
88	Vacuolar protein Tag1 and Atg1–Atg13 regulate autophagy termination during persistent starvation in <i>S. cerevisiae</i> . Journal of Cell Science, 2021, 134, .	2.0	12
89	Atg14L recruits PtdIns 3-kinase to the ER for autophagosome formation. Autophagy, 2011, 7, 438-439.	9.1	11
90	Nicotinamide Increases Intracellular NAD+ Content to Enhance Autophagy-Mediated Group A Streptococcal Clearance in Endothelial Cells. Frontiers in Microbiology, 2020, 11, 117.	3.5	10

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91	Morphological Analysis of Autophagy. Methods in Molecular Biology, 2012, 931, 449-466.	0.9	9
92	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan. PLoS ONE, 2020, 15, e0230156.	2.5	8
93	VEGF-Mediated Augmentation of Autophagic and Lysosomal Activity in Endothelial Cells Defends against Intracellular Streptococcus pyogenes. MBio, 2022, 13, .	4.1	5
94	Early zygotic expression of transcription factors and signal molecules in fully dissociated embryonic cells of <i>Ciona intestinalis</i> : A microarray analysis. Development Growth and Differentiation, 2009, 51, 639-655.	1.5	3
95	A CRISPR/Cas9â€based method for seamless Nâ€terminal protein tagging in <scp> <i>Saccharomyces cerevisiae </i> </scp> . Yeast, 2021, 38, 592-600.	1.7	2
96	Quercetin in Tartary Buckwheat Induces Autophagy against Protein Aggregations. Antioxidants, 2021, 10, 1217.	5.1	1
97	Isoflurane induces Art2â€Rsp5â€dependent endocytosis of Bap2 in yeast. FEBS Open Bio, 2021, 11, 3090-3100.	2.3	1
98	Correction: ERdj8 governs the size of autophagosomes during the formation process. Journal of Cell Biology, 2020, 220, .	5.2	1
99	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. Journal of Experimental Medicine, 2010, 207, i24-i24.	8.5	0
100	Study on Autophagy by Professor Ohsumi: Nobel Prize Originated from the Frontier. Trends in the Sciences, 2017, 22, 2_13-2_17.	0.0	0
101	Title is missing!. , 2020, 15, e0230156.		0
102	Title is missing!. , 2020, 15, e0230156.		0
103	Title is missing!. , 2020, 15, e0230156.		0
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