Takeshi Noda

List of Publications by Year
in descending order

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104 papers	45,055 citations	17405 63 h-index	31759 101 g-index
110 all docs	110 docs citations	110 times ranked	42582 citing authors

#	Article	IF	Citations
1	VEGF-Mediated Augmentation of Autophagic and Lysosomal Activity in Endothelial Cells Defends against Intracellular Streptococcus pyogenes. MBio, 2022, 13, .	1.8	5
2	Vacuolar protein Tag1 and Atg1â€“Atg13 regulate autophagy termination during persistent starvation in S. cerevisiae. Journal of Cell Science, 2021, 134, .	1.2	12
3	Quercetin in Tartary Buckwheat Induces Autophagy against Protein Aggregations. Antioxidants, 2021, 10, 1217.	2.2	1
4	Isoflurane induces Art2â€Rsp5â€dependent endocytosis of Bap2 in yeast. FEBS Open Bio, 2021, 11, 3090-3100.	1.0	1
5	A CRISPR/Cas9â€based method for seamless Nâ€terminal protein tagging in <scp>Saccharomyces cerevisiae</scp>. Yeast, 2021, 38, 592-600.	0.8	2
6	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (edition	4.3	1,430
7	Autophagosome formation in relation to the endoplasmic reticulum. Journal of Biomedical Science, 2020, 27, 97.	2.6	19
8	STEEP mediates STING ER exit and activation of signaling. Nature Immunology, 2020, 21, 868-879.	7.0	82
9	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan. PLoS ONE, 2020, 15, e0230156.	1.1	8
10	Nicotinamide Increases Intracellular NAD+ Content to Enhance Autophagy-Mediated Group A Streptococcal Clearance in Endothelial Cells. Frontiers in Microbiology, 2020, 11, 117.	1.5	10
11	ERdj8 governs the size of autophagosomes during the formation process. Journal of Cell Biology, 2020, 219, .	2.3	14
12	Correction: ERdj8 governs the size of autophagosomes during the formation process. Journal of Cell Biology, 2020, 220, .	2.3	1
13	Title is missing!. , 2020, 15, e0230156.		0
14	Title is missing!. , 2020, 15, e0230156.		0
15	Title is missing!. , 2020, 15, e0230156.		0
16	Title is missing!. , 2020, 15, e0230156.		0
17	Osteoblastic lysosome plays a central role in mineralization. Science Advances, 2019, 5, eaax0672.	4.7	74
18	Group A Streptococcus Induces LAPosomes via SLO/Î²1 Integrin/NOX2/ROS Pathway in Endothelial Cells That Are Ineffective in Bacterial Killing and Suppress Xenophagy. MBio, 2019, 10, .	1.8	26

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19	Rheb localized on the Golgi membrane activates lysosome-localized mTORC1 at the Golgi-lysosome contact site. Journal of Cell Science, 2018, 131, .	1.2	52
20	Vacuole-mediated selective regulation of TORC1-Sch9 signaling following oxidative stress. Molecular Biology of the Cell, 2018, 29, 510-522.	0.9	24
21	Gtr/Ego-independent TORC1 activation is achieved through a glutamine-sensitive interaction with Pib2 on the vacuolar membrane. PLoS Genetics, 2018, 14, e1007334.	1.5	51
22	Induction of selective autophagy in cells replicating hepatitis C virus genome. Journal of General Virology, 2018, 99, 1643-1657.	1.3	14
23	Ole1, fatty acid desaturase, is required for Atg9 delivery and isolation membrane expansion during autophagy in Saccharomyces cerevisiae. Biology Open, 2017, 6, 35-40.	0.6	16
24	Autophagy in the context of the cellular membrane-trafficking system: the enigma of Atg9 vesicles. Biochemical Society Transactions, 2017, 45, 1323-1331.	1.6	61
25	Regulation of Autophagy through TORC1 and mTORC1. Biomolecules, 2017, 7, 52.	1.8	100
26	Endothelial cells are intrinsically defective in xenophagy of Streptococcus pyogenes. PLoS Pathogens, 2017, 13, e1006444.	2.1	26
27	Quantitative Assay of Macroautophagy Using Pho8â—360 Assay and GFP-Cleavage Assay in Yeast. Methods in Enzymology, 2017, 588, 307-321.	0.4	12
28	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
29	Atg9A trafficking through the recycling endosomes is required for autophagosome formation. Journal of Cell Science, 2016, 129, 3781-3791.	1.2	116
30	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
31	The PtdIns3â€phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. FEBS Letters, 2016, 590, 161-173.	1.3	26
32	Dynamic relocation of the TORC1â€“Gtr1/2â€“Ego1/2/3 complex is regulated by Gtr1 and Gtr2. Molecular Biology of the Cell, 2016, 27, 382-396.	0.9	59
33	Reciprocal conversion of Gtr1 and Gtr2 nucleotide-binding states by Npr2-Npr3 inactivates TORC1 and induces autophagy. Autophagy, 2014, 10, 1565-1578.	4.3	58
34	Porphyromonas gingivalispromotes invasion of oral squamous cell carcinoma through induction of proMMP9 and its activation. Cellular Microbiology, 2014, 16, 131-145.	1.1	186
35	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.	1.5	45
36	Characterization of H7N9 influenza A viruses isolated from humans. Nature, 2013, 501, 551-555.	13.7	371

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37	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.	1.2	74
38	Autophagy sequesters damaged lysosomes to control lysosomal biogenesis and kidney injury. EMBO Journal, 2013, 32, 2336-2347.	3.5	455
39	Autophagosomes form at ERâ€“mitochondria contact sites. Nature, 2013, 495, 389-393.	13.7	1,401
40	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. Journal of Cell Biology, 2013, 203, 115-128.	2.3	242
41	Three-Axis Model for Atg Recruitment in Autophagy againstSalmonella. International Journal of Cell Biology, 2012, 2012, 1-6.	1.0	14
42	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
43	Morphological Analysis of Autophagy. Methods in Molecular Biology, 2012, 931, 449-466.	0.4	9
44	Chemical modulators of autophagy as biological probes and potential therapeutics. Nature Chemical Biology, 2011, 7, 9-17.	3.9	344
45	Dysfunction of Autophagy Participates in Vacuole Formation and Cell Death in Cells Replicating Hepatitis C Virus. Journal of Virology, 2011, 85, 13185-13194.	1.5	71
46	The LC3 recruitment mechanism is separate from Atg9L1-dependent membrane formation in the autophagic response againstSalmonella. Molecular Biology of the Cell, 2011, 22, 2290-2300.	0.9	158
47	Atg14L recruits PtdIns 3-kinase to the ER for autophagosome formation. Autophagy, 2011, 7, 438-439.	4.3	11
48	Modulation of Local PtdIns3P Levels by the PI Phosphatase MTMR3 Regulates Constitutive Autophagy. Traffic, 2010, 11, 468-478.	1.3	167
49	Electron tomography reveals the endoplasmic reticulum as a membrane source for autophagosome formation. Autophagy, 2010, 6, 301-303.	4.3	71
50	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, 1001-1010.	0.9	188
51	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. Journal of Cell Biology, 2010, 190, 511-521.	2.3	402
52	Between canonical and antibacterial autophagy: Rab7 is required for GAS-containing autophagosome-like vacuole formation. Autophagy, 2010, 6, 419-420.	4.3	17
53	Rubicon and PLEKHM1 Negatively Regulate the Endocytic/Autophagic Pathway via a Novel Rab7-binding Domain. Molecular Biology of the Cell, 2010, 21, 4162-4172.	0.9	136
54	Regulation of membrane biogenesis in autophagy via PI3P dynamics. Seminars in Cell and Developmental Biology, 2010, 21, 671-676.	2.3	85

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55	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. Journal of Experimental Medicine, 2010, 207, i24-i24.	4.2	0
56	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.	3.3	705
57	Differential Involvement of Atg16L1 in Crohn Disease and Canonical Autophagy. Journal of Biological Chemistry, 2009, 284, 32602-32609.	1.6	108
58	Binding Rubicon to cross the Rubicon. Autophagy, 2009, 5, 876-877.	4.3	37
59	Atg4B^{C74A}hampers autophagosome closure: A useful protein for inhibiting autophagy. Autophagy, 2009, 5, 88-89.	4.3	31
60	Molecular basis of canonical and bactericidal autophagy. International Immunology, 2009, 21, 1199-1204.	1.8	37
61	An Initial Step of GAS-Containing Autophagosome-Like Vacuoles Formation Requires Rab7. PLoS Pathogens, 2009, 5, e1000670.	2.1	85
62	The late stages of autophagy: how does the end begin?. Cell Death and Differentiation, 2009, 16, 984-990.	5.0	148
63	Two Beclin 1-binding proteins, Atg14L and Rubicon, reciprocally regulate autophagy at different stages. Nature Cell Biology, 2009, 11, 385-396.	4.6	1,046
64	A subdomain of the endoplasmic reticulum forms a cradle for autophagosome formation. Nature Cell Biology, 2009, 11, 1433-1437.	4.6	976
65	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, 639-655.	0.6	3
66	Chapter 1 Monitoring Autophagy in Mammalian Cultured Cells through the Dynamics of LC3. Methods in Enzymology, 2009, 452, 1-12.	0.4	220
67	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1Î² production. Nature, 2008, 456, 264-268.	13.7	1,837
68	Transport of phosphatidylinositol 3-phosphate into the vacuole via autophagic membranes in Saccharomyces cerevisiae. Genes To Cells, 2008, 13, 537-547.	0.5	128
69	Toward unraveling membrane biogenesis in mammalian autophagy. Current Opinion in Cell Biology, 2008, 20, 401-407.	2.6	100
70	The Atg16L Complex Specifies the Site of LC3 Lipidation for Membrane Biogenesis in Autophagy. Molecular Biology of the Cell, 2008, 19, 2092-2100.	0.9	900
71	Chapter 3 The Quantitative Pho8Î”60 Assay of Nonspecific Autophagy. Methods in Enzymology, 2008, 451, 33-42.	0.4	132
72	The Ubi brothers reunited. Autophagy, 2008, 4, 540-541.	4.3	22

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73	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
74	An Atg4B Mutant Hampers the Lipidation of LC3 Paralogues and Causes Defects in Autophagosome Closure. Molecular Biology of the Cell, 2008, 19, 4651-4659.	0.9	459
75	Chapter 2 Viability Assays to Monitor Yeast Autophagy. Methods in Enzymology, 2008, 451, 27-32.	0.4	27
76	Dynein-dependent Movement of Autophagosomes Mediates Efficient Encounters with Lysosomes. Cell Structure and Function, 2008, 33, 109-122.	0.5	366
77	Dissection of the Autophagosome Maturation Process by a Novel Reporter Protein, Tandem Fluorescent-Tagged LC3. Autophagy, 2007, 3, 452-460.	4.3	1,943
78	Starvation Triggers the Delivery of the Endoplasmic Reticulum to the Vacuole via Autophagy in Yeast. Traffic, 2005, 6, 56-65.	1.3	168
79	Processing of ATG8s, Ubiquitin-Like Proteins, and Their Deconjugation by ATG4s Are Essential for Plant Autophagy. Plant Cell, 2004, 16, 2967-2983.	3.1	540
80	In Vivo and in Vitro Reconstitution of Atg8 Conjugation Essential for Autophagy. Journal of Biological Chemistry, 2004, 279, 40584-40592.	1.6	180
81	Interrelationships among Atg proteins during autophagy inSaccharomyces cerevisiae. Yeast, 2004, 21, 1057-1065.	0.8	36
82	Peroxisome degradation requires catalytically active sterol glucosyltransferase with a GRAM domain. EMBO Journal, 2003, 22, 3231-3241.	3.5	96
83	The Early Secretory Pathway Contributes to Autophagy in Yeast.. Cell Structure and Function, 2003, 28, 49-54.	0.5	96
84	Leaf Senescence and Starvation-Induced Chlorosis Are Accelerated by the Disruption of an Arabidopsis Autophagy Gene. Plant Physiology, 2002, 129, 1181-1193.	2.3	548
85	Yeast autophagosomes: de novo formation of a membrane structure. Trends in Cell Biology, 2002, 12, 231-235.	3.6	190
86	Two Distinct Vps34 Phosphatidylinositol 3â€“Kinase Complexes Function in Autophagy and Carboxypeptidase Y Sorting inSaccharomyces cerevisiae. Journal of Cell Biology, 2001, 152, 519-530.	2.3	944
87	The pre-autophagosomal structure organized by concerted functions of APG genes is essential for autophagosome formation. EMBO Journal, 2001, 20, 5971-5981.	3.5	864
88	Autophagosome Requires Specific Early Sec Proteins for Its Formation and NSF/SNARE for Vacuolar Fusion. Molecular Biology of the Cell, 2001, 12, 3690-3702.	0.9	325
89	Apg2p Functions in Autophagosome Formation on the Perivacuolar Structure. Journal of Biological Chemistry, 2001, 276, 30452-30460.	1.6	115
90	A ubiquitin-like system mediates protein lipidation. Nature, 2000, 408, 488-492.	13.7	1,790

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91	LC3, a mammalian homologue of yeast Apg8p, is localized in autophagosome membranes after processing. EMBO Journal, 2000, 19, 5720-5728.	3.5	5,853
92	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
93	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.	2.3	362
94	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.	2.3	851
95	Formation Process of Autophagosome Is Traced with Apg8/Aut7p in Yeast. Journal of Cell Biology, 1999, 147, 435-446.	2.3	827
96	Apg16p is required for the function of the Apg12pâ€“Apg5p conjugate in the yeast autophagy pathway. EMBO Journal, 1999, 18, 3888-3896.	3.5	385
97	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. EMBO Journal, 1999, 18, 5234-5241.	3.5	266
98	A protein conjugation system essential for autophagy. Nature, 1998, 395, 395-398.	13.7	1,468
99	Tor, a Phosphatidylinositol Kinase Homologue, Controls Autophagy in Yeast. Journal of Biological Chemistry, 1998, 273, 3963-3966.	1.6	1,140
100	Analyses of APG13 gene involved in autophagy in yeast, Saccharomyces cerevisiae. Gene, 1997, 192, 207-213.	1.0	154
101	Mutational Analysis of Csc1/Vps4p: Involvement of Endosome in Regulation of Autophagy in Yeast.. Cell Structure and Function, 1997, 22, 501-509.	0.5	62
102	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.	3.3	240
103	Novel System for Monitoring Autophagy in the Yeast Saccharomyces cerevisiae. Biochemical and Biophysical Research Communications, 1995, 210, 126-132.	1.0	324
104	Autophagy in yeast demonstrated with proteinase-deficient mutants and conditions for its induction.. Journal of Cell Biology, 1992, 119, 301-311.	2.3	1,137