

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	LC3, a mammalian homologue of yeast Apg8p, is localized in autophagosome membranes after processing. <i>EMBO Journal</i> , 2000, 19, 5720-5728.	3.5	5,853
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
4	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008, 4, 151-175.	4.3	2,064
5	Dissection of the Autophagosome Maturation Process by a Novel Reporter Protein, Tandem Fluorescent-Tagged LC3. <i>Autophagy</i> , 2007, 3, 452-460.	4.3	1,943
6	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1 β production. <i>Nature</i> , 2008, 456, 264-268.	13.7	1,837
7	A ubiquitin-like system mediates protein lipidation. <i>Nature</i> , 2000, 408, 488-492.	13.7	1,790
8	A protein conjugation system essential for autophagy. <i>Nature</i> , 1998, 395, 395-398.	13.7	1,468
9	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422</i>	4.3	1,430
10	Autophagosomes form at ER-mitochondria contact sites. <i>Nature</i> , 2013, 495, 389-393.	13.7	1,401
11	Tor, a Phosphatidylinositol Kinase Homologue, Controls Autophagy in Yeast. <i>Journal of Biological Chemistry</i> , 1998, 273, 3963-3966.	1.6	1,140
12	Autophagy in yeast demonstrated with proteinase-deficient mutants and conditions for its induction. <i>Journal of Cell Biology</i> , 1992, 119, 301-311.	2.3	1,137
13	Two Beclin 1-binding proteins, Atg14L and Rubicon, reciprocally regulate autophagy at different stages. <i>Nature Cell Biology</i> , 2009, 11, 385-396.	4.6	1,046
14	A subdomain of the endoplasmic reticulum forms a cradle for autophagosome formation. <i>Nature Cell Biology</i> , 2009, 11, 1433-1437.	4.6	976
15	Two Distinct Vps34 Phosphatidylinositol 3-Kinase Complexes Function in Autophagy and Carboxypeptidase Y Sorting in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2001, 152, 519-530.	2.3	944
16	The Atg16L Complex Specifies the Site of LC3 Lipidation for Membrane Biogenesis in Autophagy. <i>Molecular Biology of the Cell</i> , 2008, 19, 2092-2100.	0.9	900
17	The pre-autophagosomal structure organized by concerted functions of APC genes is essential for autophagosome formation. <i>EMBO Journal</i> , 2001, 20, 5971-5981.	3.5	864
18	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.	2.3	851

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19	Formation Process of Autophagosome Is Traced with Apg8/Aut7p in Yeast. <i>Journal of Cell Biology</i> , 1999, 147, 435-446.	2.3	827
20	Atg9a controls dsDNA-driven dynamic translocation of STING and the innate immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20842-20846.	3.3	705
21	Leaf Senescence and Starvation-Induced Chlorosis Are Accelerated by the Disruption of an Arabidopsis Autophagy Gene. <i>Plant Physiology</i> , 2002, 129, 1181-1193.	2.3	548
22	Processing of ATG8s, Ubiquitin-Like Proteins, and Their Deconjugation by ATG4s Are Essential for Plant Autophagy. <i>Plant Cell</i> , 2004, 16, 2967-2983.	3.1	540
23	An Atg4B Mutant Hampers the Lipidation of LC3 Paralogues and Causes Defects in Autophagosome Closure. <i>Molecular Biology of the Cell</i> , 2008, 19, 4651-4659.	0.9	459
24	Autophagy sequesters damaged lysosomes to control lysosomal biogenesis and kidney injury. <i>EMBO Journal</i> , 2013, 32, 2336-2347.	3.5	455
25	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. <i>Journal of Cell Biology</i> , 2010, 190, 511-521.	2.3	402
26	Apg16p is required for the function of the Apg12p-Apg5p conjugate in the yeast autophagy pathway. <i>EMBO Journal</i> , 1999, 18, 3888-3896.	3.5	385
27	Characterization of H7N9 influenza A viruses isolated from humans. <i>Nature</i> , 2013, 501, 551-555.	13.7	371
28	Dynein-dependent Movement of Autophagosomes Mediates Efficient Encounters with Lysosomes. <i>Cell Structure and Function</i> , 2008, 33, 109-122.	0.5	366
29	Apg9p/Cvt7p Is an Integral Membrane Protein Required for Transport Vesicle Formation in the Cvt and Autophagy Pathways. <i>Journal of Cell Biology</i> , 2000, 148, 465-480.	2.3	362
30	Chemical modulators of autophagy as biological probes and potential therapeutics. <i>Nature Chemical Biology</i> , 2011, 7, 9-17.	3.9	344
31	Autophagosome Requires Specific Early Sec Proteins for Its Formation and NSF/SNARE for Vacuolar Fusion. <i>Molecular Biology of the Cell</i> , 2001, 12, 3690-3702.	0.9	325
32	Novel System for Monitoring Autophagy in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 1995, 210, 126-132.	1.0	324
33	Apg10p, a novel protein-conjugating enzyme essential for autophagy in yeast. <i>EMBO Journal</i> , 1999, 18, 5234-5241.	3.5	266
34	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. <i>Journal of Cell Biology</i> , 2013, 203, 115-128.	2.3	242
35	Cytoplasm-to-vacuole targeting and autophagy employ the same machinery to deliver proteins to the yeast vacuole. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 12304-12308.	3.3	240
36	Chapter 1 Monitoring Autophagy in Mammalian Cultured Cells through the Dynamics of LC3. <i>Methods in Enzymology</i> , 2009, 452, 1-12.	0.4	220

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37	Yeast autophagosomes: de novo formation of a membrane structure. <i>Trends in Cell Biology</i> , 2002, 12, 231-235.	3.6	190
38	Combinational Soluble N-Ethylmaleimide-sensitive Factor Attachment Protein Receptor Proteins VAMP8 and Vti1b Mediate Fusion of Antimicrobial and Canonical Autophagosomes with Lysosomes. <i>Molecular Biology of the Cell</i> , 2010, 21, 1001-1010.	0.9	188
39	<i>Porphyromonas gingivalis</i> promotes invasion of oral squamous cell carcinoma through induction of proMMP9 and its activation. <i>Cellular Microbiology</i> , 2014, 16, 131-145.	1.1	186
40	In Vivo and in Vitro Reconstitution of Atg8 Conjugation Essential for Autophagy. <i>Journal of Biological Chemistry</i> , 2004, 279, 40584-40592.	1.6	180
41	Starvation Triggers the Delivery of the Endoplasmic Reticulum to the Vacuole via Autophagy in Yeast. <i>Traffic</i> , 2005, 6, 56-65.	1.3	168
42	Modulation of Local PtdIns3P Levels by the PI Phosphatase MTMR3 Regulates Constitutive Autophagy. <i>Traffic</i> , 2010, 11, 468-478.	1.3	167
43	The LC3 recruitment mechanism is separate from Atg9L1-dependent membrane formation in the autophagic response against <i>Salmonella</i> . <i>Molecular Biology of the Cell</i> , 2011, 22, 2290-2300.	0.9	158
44	Analyses of APG13 gene involved in autophagy in yeast, <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1997, 192, 207-213.	1.0	154
45	The late stages of autophagy: how does the end begin?. <i>Cell Death and Differentiation</i> , 2009, 16, 984-990.	5.0	148
46	A Protein Conjugation System in Yeast with Homology to Biosynthetic Enzyme Reaction of Prokaryotes. <i>Journal of Biological Chemistry</i> , 2000, 275, 7462-7465.	1.6	139
47	Rubicon and PLEKHM1 Negatively Regulate the Endocytic/Autophagic Pathway via a Novel Rab7-binding Domain. <i>Molecular Biology of the Cell</i> , 2010, 21, 4162-4172.	0.9	136
48	Chapter 3 The Quantitative Pho8 ⁺ 60 Assay of Nonspecific Autophagy. <i>Methods in Enzymology</i> , 2008, 451, 33-42.	0.4	132
49	Transport of phosphatidylinositol 3-phosphate into the vacuole via autophagic membranes in <i>Saccharomyces cerevisiae</i> . <i>Genes To Cells</i> , 2008, 13, 537-547.	0.5	128
50	Atg9A trafficking through the recycling endosomes is required for autophagosome formation. <i>Journal of Cell Science</i> , 2016, 129, 3781-3791.	1.2	116
51	Apg2p Functions in Autophagosome Formation on the Perivacuolar Structure. <i>Journal of Biological Chemistry</i> , 2001, 276, 30452-30460.	1.6	115
52	Differential Involvement of Atg16L1 in Crohn Disease and Canonical Autophagy. <i>Journal of Biological Chemistry</i> , 2009, 284, 32602-32609.	1.6	108
53	Toward unraveling membrane biogenesis in mammalian autophagy. <i>Current Opinion in Cell Biology</i> , 2008, 20, 401-407.	2.6	100
54	Regulation of Autophagy through TORC1 and mTORC1. <i>Biomolecules</i> , 2017, 7, 52.	1.8	100

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55	Peroxisome degradation requires catalytically active sterol glucosyltransferase with a GRAM domain. <i>EMBO Journal</i> , 2003, 22, 3231-3241.	3.5	96
56	The Early Secretory Pathway Contributes to Autophagy in Yeast.. <i>Cell Structure and Function</i> , 2003, 28, 49-54.	0.5	96
57	An Initial Step of GAS-Containing Autophagosome-Like Vacuoles Formation Requires Rab7. <i>PLoS Pathogens</i> , 2009, 5, e1000670.	2.1	85
58	Regulation of membrane biogenesis in autophagy via PI3P dynamics. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 671-676.	2.3	85
59	STEEP mediates STING ER exit and activation of signaling. <i>Nature Immunology</i> , 2020, 21, 868-879.	7.0	82
60	TRAPPIII is responsible for the vesicular transport from early endosomes to the Golgi apparatus that facilitates Atg9 cycling in autophagy. <i>Journal of Cell Science</i> , 2013, 126, 4963-73.	1.2	74
61	Osteoblastic lysosome plays a central role in mineralization. <i>Science Advances</i> , 2019, 5, eaax0672.	4.7	74
62	Electron tomography reveals the endoplasmic reticulum as a membrane source for autophagosome formation. <i>Autophagy</i> , 2010, 6, 301-303.	4.3	71
63	Dysfunction of Autophagy Participates in Vacuole Formation and Cell Death in Cells Replicating Hepatitis C Virus. <i>Journal of Virology</i> , 2011, 85, 13185-13194.	1.5	71
64	Mutational Analysis of Csc1/Vps4p: Involvement of Endosome in Regulation of Autophagy in Yeast.. <i>Cell Structure and Function</i> , 1997, 22, 501-509.	0.5	62
65	Autophagy in the context of the cellular membrane-trafficking system: the enigma of Atg9 vesicles. <i>Biochemical Society Transactions</i> , 2017, 45, 1323-1331.	1.6	61
66	Dynamic relocation of the TORC1â€“Gtr1/2â€“Ego1/2/3 complex is regulated by Gtr1 and Gtr2. <i>Molecular Biology of the Cell</i> , 2016, 27, 382-396.	0.9	59
67	Reciprocal conversion of Gtr1 and Gtr2 nucleotide-binding states by Npr2-Npr3 inactivates TORC1 and induces autophagy. <i>Autophagy</i> , 2014, 10, 1565-1578.	4.3	58
68	Rheb localized on the Golgi membrane activates lysosome-localized mTORC1 at the Golgi-lysosome contact site. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	52
69	Gtr/Ego-independent TORC1 activation is achieved through a glutamine-sensitive interaction with Pib2 on the vacuolar membrane. <i>PLoS Genetics</i> , 2018, 14, e1007334.	1.5	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. <i>Journal of Virology</i> , 2014, 88, 8981-8997.	1.5	45
71	Binding Rubicon to cross the Rubicon. <i>Autophagy</i> , 2009, 5, 876-877.	4.3	37
72	Molecular basis of canonical and bactericidal autophagy. <i>International Immunology</i> , 2009, 21, 1199-1204.	1.8	37

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73	Interrelationships among Atg proteins during autophagy in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2004, 21, 1057-1065.	0.8	36
74	Atg4B ^{C74A} hampers autophagosome closure: A useful protein for inhibiting autophagy. <i>Autophagy</i> , 2009, 5, 88-89.	4.3	31
75	Chapter 2 Viability Assays to Monitor Yeast Autophagy. <i>Methods in Enzymology</i> , 2008, 451, 27-32.	0.4	27
76	The PtdIns3â€phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. <i>FEBS Letters</i> , 2016, 590, 161-173.	1.3	26
77	Endothelial cells are intrinsically defective in xenophagy of <i>Streptococcus pyogenes</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006444.	2.1	26
78	Group A <i>Streptococcus</i> Induces LAPosomes via SLO/ β 21 Integrin/NOX2/ROS Pathway in Endothelial Cells That Are Ineffective in Bacterial Killing and Suppress Xenophagy. <i>MBio</i> , 2019, 10, .	1.8	26
79	Vacuole-mediated selective regulation of TORC1-Sch9 signaling following oxidative stress. <i>Molecular Biology of the Cell</i> , 2018, 29, 510-522.	0.9	24
80	The Ubi brothers reunited. <i>Autophagy</i> , 2008, 4, 540-541.	4.3	22
81	Autophagosome formation in relation to the endoplasmic reticulum. <i>Journal of Biomedical Science</i> , 2020, 27, 97.	2.6	19
82	Between canonical and antibacterial autophagy: Rab7 is required for GAS-containing autophagosome-like vacuole formation. <i>Autophagy</i> , 2010, 6, 419-420.	4.3	17
83	Ole1, fatty acid desaturase, is required for Atg9 delivery and isolation membrane expansion during autophagy in <i>Saccharomyces cerevisiae</i> . <i>Biology Open</i> , 2017, 6, 35-40.	0.6	16
84	Three-Axis Model for Atg Recruitment in Autophagy against <i>Salmonella</i> . <i>International Journal of Cell Biology</i> , 2012, 2012, 1-6.	1.0	14
85	ERdj8 governs the size of autophagosomes during the formation process. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	14
86	Induction of selective autophagy in cells replicating hepatitis C virus genome. <i>Journal of General Virology</i> , 2018, 99, 1643-1657.	1.3	14
87	Quantitative Assay of Macroautophagy Using Pho8â–360 Assay and GFP-Cleavage Assay in Yeast. <i>Methods in Enzymology</i> , 2017, 588, 307-321.	0.4	12
88	Vacuolar protein Tag1 and Atg1â€Atg13 regulate autophagy termination during persistent starvation in <i>S. cerevisiae</i> . <i>Journal of Cell Science</i> , 2021, 134, .	1.2	12
89	Atg14L recruits PtdIns 3-kinase to the ER for autophagosome formation. <i>Autophagy</i> , 2011, 7, 438-439.	4.3	11
90	Nicotinamide Increases Intracellular NAD ⁺ Content to Enhance Autophagy-Mediated Group A <i>Streptococcal</i> Clearance in Endothelial Cells. <i>Frontiers in Microbiology</i> , 2020, 11, 117.	1.5	10

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91	Morphological Analysis of Autophagy. <i>Methods in Molecular Biology</i> , 2012, 931, 449-466.	0.4	9
92	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shig Yakusan. <i>PLoS ONE</i> , 2020, 15, e0230156.	1.1	8
93	VEGF-Mediated Augmentation of Autophagic and Lysosomal Activity in Endothelial Cells Defends against Intracellular <i>Streptococcus pyogenes</i> . <i>MBio</i> , 2022, 13, .	1.8	5
94	Early zygotic expression of transcription factors and signal molecules in fully dissociated embryonic cells of <i>Ciona intestinalis</i> : A microarray analysis. <i>Development Growth and Differentiation</i> , 2009, 51, 639-655.	0.6	3
95	A CRISPR/Cas9-based method for seamless N-terminal protein tagging in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2021, 38, 592-600.	0.8	2
96	Quercetin in Tartary Buckwheat Induces Autophagy against Protein Aggregations. <i>Antioxidants</i> , 2021, 10, 1217.	2.2	1
97	Isoflurane induces Art2-dependent endocytosis of Bap2 in yeast. <i>FEBS Open Bio</i> , 2021, 11, 3090-3100.	1.0	1
98	Correction: ERdj8 governs the size of autophagosomes during the formation process. <i>Journal of Cell Biology</i> , 2020, 220, .	2.3	1
99	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. <i>Journal of Experimental Medicine</i> , 2010, 207, i24-i24.	4.2	0
100	Study on Autophagy by Professor Ohsumi: Nobel Prize Originated from the Frontier. <i>Trends in the Sciences</i> , 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
104	Title is missing!. , 2020, 15, e0230156.		0