

Yoshinori Ohsumi

List of Publications by Year in descending order

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213
papers

57,814
citations

1980

101
h-index

1820

210
g-index

225
all docs

225
docs citations

225
times ranked

32921
citing authors

#	ARTICLE	IF	CITATIONS
1	Bur1 functions with TORC1 for vacuole-mediated cell cycle progression. <i>EMBO Reports</i> , 2022, 23, e53477.	2.0	8
2	Selectivity of mRNA degradation by autophagy in yeast. <i>Nature Communications</i> , 2021, 12, 2316.	5.8	35
3	Membrane perturbation by lipidated Atg8 underlies autophagosome biogenesis. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 583-593.	3.6	51
4	Autophagy facilitates adaptation of budding yeast to respiratory growth by recycling serine for one-carbon metabolism. <i>Nature Communications</i> , 2020, 11, 5052.	5.8	21
5	Atg9 is a lipid scramblase that mediates autophagosomal membrane expansion. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1185-1193.	3.6	253
6	Mitotic phosphorylation of the ULK complex regulates cell cycle progression. <i>PLoS Biology</i> , 2020, 18, e3000718.	2.6	10
7	Liquidity Is a Critical Determinant for Selective Autophagy of Protein Condensates. <i>Molecular Cell</i> , 2020, 77, 1163-1175.e9.	4.5	118
8	Phase separation organizes the site of autophagosome formation. <i>Nature</i> , 2020, 578, 301-305.	13.7	263
9	Autophagy Increases Zinc Bioavailability to Avoid Light-Mediated Reactive Oxygen Species Production under Zinc Deficiency. <i>Plant Physiology</i> , 2020, 182, 1284-1296.	2.3	41
10	TORC1 inactivation stimulates autophagy of nucleoporin and nuclear pore complexes. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	46
11	Atg2 mediates direct lipid transfer between membranes for autophagosome formation. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 281-288.	3.6	312
12	Analysis of autophagy activated during changes in carbon source availability in yeast cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 5590-5603.	1.6	31
13	Two distinct mechanisms target the autophagy-related E3 complex to the pre-autophagosomal structure. <i>ELife</i> , 2019, 8, .	2.8	51
14	Atg7 Activates an Autophagy-Essential Ubiquitin-like Protein Atg8 through Multi-Step Recognition. <i>Journal of Molecular Biology</i> , 2018, 430, 249-257.	2.0	28
15	The Atg2-Atg18 complex tethers pre-autophagosomal membranes to the endoplasmic reticulum for autophagosome formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10363-10368.	3.3	214
16	Unveiling the molecular mechanisms of plant autophagy “from autophagosomes to vacuoles in plants. <i>Plant and Cell Physiology</i> , 2018, 59, 1337-1344.	1.5	83
17	Lipidation-independent vacuolar functions of Atg8 rely on its noncanonical interaction with a vacuole membrane protein. <i>ELife</i> , 2018, 7, .	2.8	34
18	Zinc starvation induces autophagy in yeast. <i>Journal of Biological Chemistry</i> , 2017, 292, 8520-8530.	1.6	55

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19	Recycling of iron via autophagy is critical for the transition from glycolytic to respiratory growth. <i>Journal of Biological Chemistry</i> , 2017, 292, 8533-8543.	1.6	25
20	Functional identification of <i>AtAVT3</i> , a family of vacuolar amino acid transporters, in <i>Arabidopsis</i> . <i>FEBS Letters</i> , 2017, 591, 5-15.	1.3	26
21	Autophagy induction under carbon starvation conditions is negatively regulated by carbon catabolite repression. <i>Journal of Biological Chemistry</i> , 2017, 292, 19905-19918.	1.6	57
22	The Intrinsically Disordered Protein Atg13 Mediates Supramolecular Assembly of Autophagy Initiation Complexes. <i>Developmental Cell</i> , 2016, 38, 86-99.	3.1	161
23	Structural Basis for Receptor-Mediated Selective Autophagy of Aminopeptidase I Aggregates. <i>Cell Reports</i> , 2016, 16, 19-27.	2.9	26
24	Phospholipid methylation controls Atg32-mediated mitophagy and Atg8 recycling. <i>EMBO Journal</i> , 2015, 34, 2703-2719.	3.5	39
25	Receptor-mediated selective autophagy degrades the endoplasmic reticulum and the nucleus. <i>Nature</i> , 2015, 522, 359-362.	13.7	496
26	A novel role for 12/15-lipoxygenase in regulating autophagy. <i>Redox Biology</i> , 2015, 4, 40-47.	3.9	39
27	Localization of Atg3 to autophagy-related membranes and its enhancement by the Atg8 family interacting motif to promote expansion of the membranes. <i>FEBS Letters</i> , 2015, 589, 744-749.	1.3	35
28	Bcl-2-like protein 13 is a mammalian Atg32 homologue that mediates mitophagy and mitochondrial fragmentation. <i>Nature Communications</i> , 2015, 6, 7527.	5.8	381
29	Atg13 HORMA domain recruits Atg9 vesicles during autophagosome formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3350-3355.	3.3	141
30	The yeast chromatin remodeler Rsc1-RSC complex is required for transcriptional activation of autophagy-related genes and inhibition of the TORC1 pathway in response to nitrogen starvation. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 1248-1253.	1.0	14
31	The Thermotolerant Yeast <i>Kluyveromyces marxianus</i> Is a Useful Organism for Structural and Biochemical Studies of Autophagy. <i>Journal of Biological Chemistry</i> , 2015, 290, 29506-29518.	1.6	16
32	Bulk <i>RNA</i> degradation by nitrogen starvation-induced autophagy in yeast. <i>EMBO Journal</i> , 2015, 34, 154-168.	3.5	114
33	Different phosphatidylinositol 3-phosphate asymmetries in yeast and mammalian autophagosomes revealed by a new electron microscopy technique. <i>Autophagy</i> , 2014, 10, 933-935.	4.3	4
34	Plant autophagy is responsible for peroxisomal transition and plays an important role in the maintenance of peroxisomal quality. <i>Autophagy</i> , 2014, 10, 936-937.	4.3	14
35	Quality control of plant peroxisomes in organ specific manner via autophagy. <i>Journal of Cell Science</i> , 2014, 127, 1161-8.	1.2	105
36	Hrr25 phosphorylates the autophagic receptor Atg34 to promote vacuolar transport of α -mannosidase under nitrogen starvation conditions. <i>FEBS Letters</i> , 2014, 588, 3862-3869.	1.3	33

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37	Structural basis of starvation-induced assembly of the autophagy initiation complex. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 513-521.	3.6	180
38	Historical landmarks of autophagy research. <i>Cell Research</i> , 2014, 24, 9-23.	5.7	837
39	Yeast and mammalian autophagosomes exhibit distinct phosphatidylinositol 3-phosphate asymmetries. <i>Nature Communications</i> , 2014, 5, 3207.	5.8	91
40	Hrr25 triggers selective autophagy-related pathways by phosphorylating receptor proteins. <i>Journal of Cell Biology</i> , 2014, 207, 91-105.	2.3	101
41	Autophagy: Close Contact Keeps Out the Uninvited. <i>Current Biology</i> , 2014, 24, R560-R562.	1.8	7
42	The Molecular Mechanisms Underlying Autophagosome Formation in Yeast. , 2014, , 67-77.		2
43	Proteomic Profiling of Autophagosome Cargo in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2014, 9, e91651.	1.1	15
44	Membrane Morphology Is Actively Transformed by Covalent Binding of the Protein Atg8 to PE-Lipids. <i>PLoS ONE</i> , 2014, 9, e115357.	1.1	58
45	Structure basis for E2-E3 interaction in the plant Atg conjugation system. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C1660-C1660.	0.0	0
46	Fine mapping of autophagy-related proteins during autophagosome formation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Science</i> , 2013, 126, 2534-44.	1.2	263
47	Structure of the Atg12-Atg5 conjugate reveals a platform for stimulating Atg8-PE conjugation. <i>EMBO Reports</i> , 2013, 14, 206-211.	2.0	131
48	ATG4 Proteases in Autophagy. , 2013, , 2138-2142.		0
49	Two-Colored Fluorescence Correlation Spectroscopy Screening for LC3-P62 Interaction Inhibitors. <i>Journal of Biomolecular Screening</i> , 2013, 18, 1103-1109.	2.6	16
50	Atg38 is required for autophagy-specific phosphatidylinositol 3-kinase complex integrity. <i>Journal of Cell Biology</i> , 2013, 203, 299-313.	2.3	97
51	Atg12-Atg5 conjugate enhances E2 activity of Atg3 by rearranging its catalytic site. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 433-439.	3.6	131
52	Highly Oxidized Peroxisomes Are Selectively Degraded via Autophagy in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 4967-4983.	3.1	195
53	Atg4 recycles inappropriately lipidated Atg8 to promote autophagosome biogenesis. <i>Autophagy</i> , 2012, 8, 177-186.	4.3	185
54	Autophagy-related Protein 32 Acts as Autophagic Degron and Directly Initiates Mitophagy. <i>Journal of Biological Chemistry</i> , 2012, 287, 10631-10638.	1.6	120

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55	Atg9 Vesicles Recruit Vesicle-tethering Proteins Trs85 and Ypt1 to the Autophagosome Formation Site. <i>Journal of Biological Chemistry</i> , 2012, 287, 44261-44269.	1.6	102
56	Structure of the Novel C-terminal Domain of Vacuolar Protein Sorting 30/Autophagy-related Protein 6 and Its Specific Role in Autophagy. <i>Journal of Biological Chemistry</i> , 2012, 287, 16256-16266.	1.6	61
57	Atg9 vesicles are an important membrane source during early steps of autophagosome formation. <i>Journal of Cell Biology</i> , 2012, 198, 219-233.	2.3	532
58	The Autophagy-related Protein Kinase Atg1 Interacts with the Ubiquitin-like Protein Atg8 via the Atg8 Family Interacting Motif to Facilitate Autophagosome Formation. <i>Journal of Biological Chemistry</i> , 2012, 287, 28503-28507.	1.6	99
59	Structure-based Analyses Reveal Distinct Binding Sites for Atg2 and Phosphoinositides in Atg18. <i>Journal of Biological Chemistry</i> , 2012, 287, 31681-31690.	1.6	112
60	Noncanonical recognition and UBL loading of distinct E2s by autophagy-essential Atg7. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1250-1256.	3.6	59
61	Autophagosome formation can be achieved in the absence of Atg18 by expressing engineered PAS-targeted Atg2. <i>FEBS Letters</i> , 2012, 586, 2473-2478.	1.3	29
62	Structural Insights into Atg10-Mediated Formation of the Autophagy-Essential Atg12-Atg5 Conjugate. <i>Structure</i> , 2012, 20, 1244-1254.	1.6	61
63	SDS-PAGE Techniques to Study Ubiquitin-Like Conjugation Systems in Yeast Autophagy. <i>Methods in Molecular Biology</i> , 2012, 832, 519-529.	0.4	19
64	Selective Autophagy Regulates Insertional Mutagenesis by the Ty1 Retrotransposon in <i>Saccharomyces cerevisiae</i> . <i>Developmental Cell</i> , 2011, 21, 358-365.	3.1	43
65	Structural Basis of Atg8 Activation by a Homodimeric E1, Atg7. <i>Molecular Cell</i> , 2011, 44, 462-475.	4.5	156
66	Starvation Induced Cell Death in Autophagy-Defective Yeast Mutants Is Caused by Mitochondria Dysfunction. <i>PLoS ONE</i> , 2011, 6, e17412.	1.1	137
67	The Role of Atg Proteins in Autophagosome Formation. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 107-132.	4.0	2,587
68	PtdIns 3-Kinase Orchestrates Autophagosome Formation in Yeast. <i>Journal of Lipids</i> , 2011, 2011, 1-9.	1.9	50
69	Atg14: A Key Player in Orchestrating Autophagy. <i>International Journal of Cell Biology</i> , 2011, 2011, 1-7.	1.0	67
70	The TOR-Mediated Regulation of Autophagy in the Yeast <i>Saccharomyces cerevisiae</i> . <i>The Enzymes</i> , 2010, 36, 143-165.	0.7	1
71	The NMR structure of the autophagy-related protein Atg8. <i>Journal of Biomolecular NMR</i> , 2010, 47, 237-241.	1.6	49
72	Atg8 family interacting motif crucial for selective autophagy. <i>FEBS Letters</i> , 2010, 584, 1379-1385.	1.3	473

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73	Current knowledge of the pre- α autophagosomal structure (PAS). <i>FEBS Letters</i> , 2010, 584, 1280-1286.	1.3	152
74	Tor Directly Controls the Atg1 Kinase Complex To Regulate Autophagy. <i>Molecular and Cellular Biology</i> , 2010, 30, 1049-1058.	1.1	420
75	Selective Transport of β -Mannosidase by Autophagic Pathways. <i>Journal of Biological Chemistry</i> , 2010, 285, 30019-30025.	1.6	103
76	Autophagy-related Protein 8 (Atg8) Family Interacting Motif in Atg3 Mediates the Atg3-Atg8 Interaction and Is Crucial for the Cytoplasm-to-Vacuole Targeting Pathway. <i>Journal of Biological Chemistry</i> , 2010, 285, 29599-29607.	1.6	105
77	Selective Transport of β -Mannosidase by Autophagic Pathways. <i>Journal of Biological Chemistry</i> , 2010, 285, 30026-30033.	1.6	49
78	Dimeric Coiled-coil Structure of <i>Saccharomyces cerevisiae</i> Atg16 and Its Functional Significance in Autophagy. <i>Journal of Biological Chemistry</i> , 2010, 285, 1508-1515.	1.6	114
79	Autophagy Plays a Role in Chloroplast Degradation during Senescence in Individually Darkened Leaves \hat{A} . <i>Plant Physiology</i> , 2009, 149, 885-893.	2.3	313
80	The amino-terminal region of Atg3 is essential for association with phosphatidylethanolamine in Atg8 lipidation. <i>FEBS Letters</i> , 2009, 583, 1078-1083.	1.3	53
81	OsATG10b, an Autophagosome Component, Is Needed for Cell Survival against Oxidative Stresses in Rice. <i>Molecules and Cells</i> , 2009, 27, 67-74.	1.0	98
82	Crystallization of <i>Saccharomyces cerevisiae</i> β -mannosidase, a cargo protein of the Cvt pathway. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 571-573.	0.7	6
83	Atg17 recruits Atg9 to organize the pre- α autophagosomal structure. <i>Genes To Cells</i> , 2009, 14, 525-538.	0.5	137
84	The structure of Atg4B-LC3 complex reveals the mechanism of LC3 processing and delipidation during autophagy. <i>EMBO Journal</i> , 2009, 28, 1341-1350.	3.5	329
85	Dynamics and diversity in autophagy mechanisms: lessons from yeast. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 458-467.	16.1	1,498
86	ATG Systems from the Protein Structural Point of View. <i>Chemical Reviews</i> , 2009, 109, 1587-1598.	23.0	66
87	Mitochondria-Anchored Receptor Atg32 Mediates Degradation of Mitochondria via Selective Autophagy. <i>Developmental Cell</i> , 2009, 17, 87-97.	3.1	778
88	Lap3 is a selective target of autophagy in yeast, <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 551-557.	1.0	37
89	Characterization of the Atg17-Atg29-Atg31 complex specifically required for starvation-induced autophagy in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 612-615.	1.0	101
90	Autophagy Negatively Regulates Cell Death by Controlling NPR1-Dependent Salicylic Acid Signaling during Senescence and the Innate Immune Response in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 2914-2927.	3.1	531

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91	A landmark protein essential for mitophagy. <i>Autophagy</i> , 2009, 5, 1203-1205.	4.3	49
92	Crystallization of the Atg12-Atg5 conjugate bound to Atg16 by the free-interface diffusion method. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 266-268.	1.0	8
93	Crystallization of the coiled-coil domain of Atg16 essential for autophagy. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 1046-1048.	0.7	4
94	Novel families of vacuolar amino acid transporters. <i>IUBMB Life</i> , 2008, 60, 519-525.	1.5	46
95	Starved cells eat ribosomes. <i>Nature Cell Biology</i> , 2008, 10, 505-507.	4.6	9
96	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
97	Structural basis of target recognition by Atg8/LC3 during selective autophagy. <i>Genes To Cells</i> , 2008, 13, 1211-1218.	0.5	349
98	Visualization of Rubisco-Containing Bodies Derived from Chloroplasts in Living Cells of <i>Arabidopsis</i> . , 2008, , 1207-1210.		0
99	Mobilization of Rubisco and Stroma-Localized Fluorescent Proteins of Chloroplasts to the Vacuole by an ATG Gene-Dependent Autophagic Process. <i>Plant Physiology</i> , 2008, 148, 142-155.	2.3	325
100	Lipidation of Atg8: How is substrate specificity determined without a canonical E3 enzyme?. <i>Autophagy</i> , 2008, 4, 911-913.	4.3	15
101	Dynamics and function of PtdIns(3)P in autophagy. <i>Autophagy</i> , 2008, 4, 952-954.	4.3	60
102	The Atg18-Atg2 Complex Is Recruited to Autophagic Membranes via Phosphatidylinositol 3-Phosphate and Exerts an Essential Function. <i>Journal of Biological Chemistry</i> , 2008, 283, 23972-23980.	1.6	282
103	Physiological pH and Acidic Phospholipids Contribute to Substrate Specificity in Lipidation of Atg8. <i>Journal of Biological Chemistry</i> , 2008, 283, 21847-21852.	1.6	51
104	In Vitro Reconstitution of Plant Atg8 and Atg12 Conjugation Systems Essential for Autophagy. <i>Journal of Biological Chemistry</i> , 2008, 283, 1921-1928.	1.6	103
105	Organization of the Pre-autophagosomal Structure Responsible for Autophagosome Formation. <i>Molecular Biology of the Cell</i> , 2008, 19, 2039-2050.	0.9	233
106	PI3K signaling of autophagy is required for starvation tolerance and virulence of <i>Cryptococcus neoformans</i> . <i>Journal of Clinical Investigation</i> , 2008, 118, 1186-1197.	3.9	204
107	The Yeast Tor Signaling Pathway Is Involved in G2/M Transition via Polo-Kinase. <i>PLoS ONE</i> , 2008, 3, e2223.	1.1	60
108	The Crystal Structure of Atg3, an Autophagy-related Ubiquitin Carrier Protein (E2) Enzyme that Mediates Atg8 Lipidation. <i>Journal of Biological Chemistry</i> , 2007, 282, 8036-8043.	1.6	121

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109	Structure of Atg5-Atg16, a Complex Essential for Autophagy. <i>Journal of Biological Chemistry</i> , 2007, 282, 6763-6772.	1.6	203
110	An Arabidopsis Homolog of Yeast ATG6/VPS30 Is Essential for Pollen Germination. <i>Plant Physiology</i> , 2007, 143, 1132-1139.	2.3	149
111	Cis1/Atg31 is required for autophagosome formation in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 405-410.	1.0	91
112	Atg8, a Ubiquitin-like Protein Required for Autophagosome Formation, Mediates Membrane Tethering and Hemifusion. <i>Cell</i> , 2007, 130, 165-178.	13.5	1,056
113	Molecular machinery of autophagosome formation in yeast, <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2007, 581, 2156-2161.	1.3	373
114	The Atg12-Atg5 Conjugate Has a Novel E3-like Activity for Protein Lipidation in Autophagy. <i>Journal of Biological Chemistry</i> , 2007, 282, 37298-37302.	1.6	950
115	Crystallization and preliminary crystallographic analysis of human Atg4-LC3 complex. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 99-102.	0.7	6
116	Crystallization of <i>Saccharomyces cerevisiae</i> aminopeptidase 1, the major cargo protein of the Cvt pathway. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 200-203.	0.7	6
117	Crystallization and preliminary X-ray analysis of Atg10. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 443-445.	0.7	6
118	Hierarchy of Atg proteins in pre-autophagosomal structure organization. <i>Genes To Cells</i> , 2007, 12, 209-218.	0.5	602
119	Organelle degradation during the lens and erythroid differentiation is independent of autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 485-489.	1.0	102
120	Crystallization and preliminary X-ray analysis of Atg3. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 1016-1017.	0.7	4
121	Expression, purification and crystallization of the Atg5-Atg16 complex essential for autophagy. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 1021-1023.	0.7	13
122	Two newly identified sites in the ubiquitin-like protein Atg8 are essential for autophagy. <i>EMBO Reports</i> , 2006, 7, 635-642.	2.0	49
123	Protein turnover. <i>IUBMB Life</i> , 2006, 58, 363-369.	1.5	23
124	Autophagy in Development and Stress Responses of Plants. <i>Autophagy</i> , 2006, 2, 2-11.	4.3	327
125	AtATG Genes, Homologs of Yeast Autophagy Genes, are Involved in Constitutive Autophagy in Arabidopsis Root Tip Cells. <i>Plant and Cell Physiology</i> , 2006, 47, 1641-1652.	1.5	175
126	Assortment of Phosphatidylinositol 3-Kinase Complexes Atg14p Directs Association of Complex I to the Pre-autophagosomal Structure in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2006, 17, 1527-1539.	0.9	202

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127	A Family of Basic Amino Acid Transporters of the Vacuolar Membrane from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 4851-4857.	1.6	81
128	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
129	Structure-Function Relationship of Atg12, a Ubiquitin-Like Modifier Essential for Autophagy. <i>Autophagy</i> , 2005, 1, 110-118.	4.3	69
130	Structural Basis for the Specificity and Catalysis of Human Atg4B Responsible for Mammalian Autophagy. <i>Journal of Biological Chemistry</i> , 2005, 280, 40058-40065.	1.6	121
131	Tor2 Directly Phosphorylates the AGC Kinase Ypk2 To Regulate Actin Polarization. <i>Molecular and Cellular Biology</i> , 2005, 25, 7239-7248.	1.1	198
132	Autophagy Is Required for Maintenance of Amino Acid Levels and Protein Synthesis under Nitrogen Starvation. <i>Journal of Biological Chemistry</i> , 2005, 280, 31582-31586.	1.6	371
133	Atg17 Functions in Cooperation with Atg1 and Atg13 in Yeast Autophagy. <i>Molecular Biology of the Cell</i> , 2005, 16, 2544-2553.	0.9	297
134	Impairment of starvation-induced and constitutive autophagy in Atg7-deficient mice. <i>Journal of Cell Biology</i> , 2005, 169, 425-434.	2.3	2,180
135	A Sorting Nexin PpAtg24 Regulates Vacuolar Membrane Dynamics during Pexophagy via Binding to Phosphatidylinositol-3-Phosphate. <i>Molecular Biology of the Cell</i> , 2005, 16, 446-457.	0.9	69
136	The Crystal Structure of Plant ATG12 and its Biological Implication in Autophagy. <i>Autophagy</i> , 2005, 1, 119-126.	4.3	104
137	Characterization of a novel autophagy-specific gene, ATG29. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 1884-1889.	1.0	92
138	apg15-1, a UGA Mutant Allele in the <i>Saccharomyces cerevisiae</i> APG16 Gene, and Its Suppression by a Cytoplasmic Factor. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1541-1548.	0.6	4
139	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
140	Ald6p Is a Preferred Target for Autophagy in Yeast, <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 16071-16076.	1.6	95
141	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
142	Modification of a Ubiquitin-like Protein Paz2 Conducted Micropexophagy through Formation of a Novel Membrane Structure. <i>Molecular Biology of the Cell</i> , 2004, 15, 58-70.	0.9	112
143	The crystal structure of microtubule-associated protein light chain 3, a mammalian homologue of <i>Saccharomyces cerevisiae</i> Atg8. <i>Genes To Cells</i> , 2004, 9, 611-618.	0.5	158
144	The role of autophagy during the early neonatal starvation period. <i>Nature</i> , 2004, 432, 1032-1036.	13.7	2,630

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145	Interrelationships among Atg proteins during autophagy in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2004, 21, 1057-1065.	0.8	36
146	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> , 2004, 15, 1101-1111.	0.9	2,115
147	Transcriptomic and Proteomic Analysis of a 14-3-3 Gene-Deficient Yeast. <i>Biochemistry</i> , 2004, 43, 6149-6158.	1.2	40
148	LC3, GABARAP and GATE16 localize to autophagosomal membrane depending on form-II formation. <i>Journal of Cell Science</i> , 2004, 117, 2805-2812.	1.2	1,256
149	Two ubiquitin-like conjugation systems essential for autophagy. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 231-236.	2.3	276
150	Crystallization and preliminary X-ray analysis of LC3-I. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1464-1465.	2.5	10
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