Tamotsu Yoshimori

List of Publications by Year
in descending order

177 papers	64,477 citations	89 h-index	166 g-index
		3721	5101
193 all docs	193 docs citations	193 times ranked	54138 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Methods in Mammalian Autophagy Research. Cell, 2010, 140, 313-326.	13.5	3,939
3	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
4	The role of autophagy during the early neonatal starvation period. Nature, 2004, 432, 1032-1036.	13.7	2,630
5	The Role of Atg Proteins in Autophagosome Formation. Annual Review of Cell and Developmental Biology, 2011, 27, 107-132.	4.0	2,587
6	How to Interpret LC3 Immunoblotting. Autophagy, 2007, 3, 542-545.	4.3	2,207
7	In Vivo Analysis of Autophagy in Response to Nutrient Starvation Using Transgenic Mice Expressing a Fluorescent Autophagosome Marker. Molecular Biology of the Cell, 2004, 15, 1101-1111.	0.9	2,115
8	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
9	Dissection of the Autophagosome Maturation Process by a Novel Reporter Protein, Tandem Fluorescent-Tagged LC3. Autophagy, 2007, 3, 452-460.	4.3	1,943
10	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1Î² production. Nature, 2008, 456, 264-268.	13.7	1,837
11	Inhibition of Macroautophagy Triggers Apoptosis. Molecular and Cellular Biology, 2005, 25, 1025-1040.	1.1	1,533
12	A protein conjugation system essential for autophagy. Nature, 1998, 395, 395-398.	13.7	1,468
13	Autophagosomes form at ERâ€“mitochondria contact sites. Nature, 2013, 495, 389-393.	13.7	1,401
14	Dissection of Autophagosome Formation Using Apg5-Deficient Mouse Embryonic Stem Cells. Journal of Cell Biology, 2001, 152, 657-668.	2.3	1,282
15	LC3, GABARAP and GATE16 localize to autophagosomal membrane depending on form-II formation. Journal of Cell Science, 2004, 117, 2805-2812.	1.2	1,256
16	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	3.5	1,230
17	Bafilomycin A1 Prevents Maturation of Autophagic Vacuoles by Inhibiting Fusion between Autophagosomes and Lysosomes in Rat Hepatoma Cell Line, H-4-II-E Cells.. Cell Structure and Function, 1998, 23, 33-42.	0.5	1,193
18	The autophagosome: origins unknown, biogenesis complex. Nature Reviews Molecular Cell Biology, 2013, 14, 759-774.	16.1	1,105

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19	Autophagy Defends Cells Against Invading Group A Streptococcus. Science, 2004, 306, 1037-1040.	6.0	1,047
20	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
21	A subdomain of the endoplasmic reticulum forms a cradle for autophagosome formation. Nature Cell Biology, 2009, 11, 1433-1437.	4.6	976
22	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
23	Phosphorylation of p62 Activates the Keap1-Nrf2 Pathway during Selective Autophagy. Molecular Cell, 2013, 51, 618-631.	4.5	880
24	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
25	Autophagosome Formation in Mammalian Cells.. Cell Structure and Function, 2002, 27, 421-429.	0.5	833
26	Formation Process of Autophagosome Is Traced with Apg8/Aut7p in Yeast. Journal of Cell Biology, 1999, 147, 435-446.	2.3	827
27	Escape of Intracellular Shigella from Autophagy. Science, 2005, 307, 727-731.	6.0	795
28	Beclinâ€“phosphatidylinositol 3â€kinase complex functions at the trans â€Golgi network. EMBO Reports, 2001, 2, 330-335.	2.0	775
29	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
30	Mouse Apg16L, a novel WD-repeat protein, targets to the autophagic isolation membrane with the Apg12-Apg5 conjugate. Journal of Cell Science, 2003, 116, 1679-1688.	1.2	660
31	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	3.5	615
32	Autophagy Controls Salmonella Infection in Response to Damage to the Salmonella-containing Vacuole. Journal of Biological Chemistry, 2006, 281, 11374-11383.	1.6	578
33	A Sensitive and Quantitative Technique for Detecting Autophagic Events Based on Lysosomal Delivery. Chemistry and Biology, 2011, 18, 1042-1052.	6.2	507
34	The origin of the autophagosomal membrane. Nature Cell Biology, 2010, 12, 831-835.	4.6	501
35	Autophagy: a regulated bulk degradation process inside cells. Biochemical and Biophysical Research Communications, 2004, 313, 453-458.	1.0	480
36	Autophagy and autophagy-related proteins in the immune system. Nature Immunology, 2015, 16, 1014-1024.	7.0	465

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37	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
38	Autophagy sequesters damaged lysosomes to control lysosomal biogenesis and kidney injury. EMBO Journal, 2013, 32, 2336-2347.	3.5	455
39	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. Journal of Cell Biology, 2010, 190, 511-521.	2.3	402
40	New insights into autophagosomeâ€“lysosome fusion. Journal of Cell Science, 2017, 130, 1209-1216.	1.2	368
41	Dynein-dependent Movement of Autophagosomes Mediates Efficient Encounters with Lysosomes. Cell Structure and Function, 2008, 33, 109-122.	0.5	366
42	Chemical modulators of autophagy as biological probes and potential therapeutics. Nature Chemical Biology, 2011, 7, 9-17.	3.9	344
43	Autophagic control of listeria through intracellular innate immune recognition in drosophila. Nature Immunology, 2008, 9, 908-916.	7.0	332
44	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
45	A current perspective of autophagosome biogenesis. Cell Research, 2014, 24, 58-68.	5.7	302
46	Alfy, a novel FYVE-domain-containing protein associated with protein granules and autophagic membranes. Journal of Cell Science, 2004, 117, 4239-4251.	1.2	271
47	Rubicon inhibits autophagy and accelerates hepatocyte apoptosis and lipid accumulation in nonalcoholic fatty liver disease in mice. Hepatology, 2016, 64, 1994-2014.	3.6	264
48	Regulation of Epidermal Growth Factor Receptor Down-Regulation by UBPY-mediated Deubiquitination at Endosomes. Molecular Biology of the Cell, 2005, 16, 5163-5174.	0.9	249
49	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. Journal of Cell Biology, 2013, 203, 115-128.	2.3	242
50	Intracellular Inclusions Containing Mutant Î±1-Antitrypsin Z Are Propagated in the Absence of Autophagic Activity. Journal of Biological Chemistry, 2006, 281, 4467-4476.	1.6	235
51	Golgi-resident Small GTPase Rab33B Interacts with Atg16L and Modulates Autophagosome Formation. Molecular Biology of the Cell, 2008, 19, 2916-2925.	0.9	233
52	Inhibition of autophagy potentiates the antitumor effect of the multikinase inhibitor sorafenib in hepatocellular carcinoma. International Journal of Cancer, 2012, 131, 548-557.	2.3	230
53	Listeria monocytogenesEvades Killing by Autophagy During Colonization of Host Cells. Autophagy, 2007, 3, 442-451.	4.3	229
54	Chapter 1 Monitoring Autophagy in Mammalian Cultured Cells through the Dynamics of LC3. Methods in Enzymology, 2009, 452, 1-12.	0.4	220

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55	Host Cell Autophagy Activated by Antibiotics Is Required for Their Effective Antimycobacterial Drug Action. Cell Host and Microbe, 2012, 11, 457-468.	5.1	219
56	Autophagy Guards Against Cisplatin-Induced Acute Kidney Injury. American Journal of Pathology, 2012, 180, 517-525.	1.9	215
57	GFP-like Proteins Stably Accumulate in Lysosomes. Cell Structure and Function, 2008, 33, 1-12.	0.5	206
58	Effect ofHelicobacter pyloriâ€™s vacuolating cytotoxin on the autophagy pathway in gastric epithelial cells. Autophagy, 2009, 5, 370-379.	4.3	193
59	Mitochondrial division occurs concurrently with autophagosome formation but independently of Drp1 during mitophagy. Journal of Cell Biology, 2016, 215, 649-665.	2.3	193
60	Vacuolating Cytotoxin and Variants in Atg16L1 That Disrupt Autophagy Promote Helicobacter pylori Infection in Humans. Gastroenterology, 2012, 142, 1160-1171.	0.6	190
61	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
62	Autophagic Elimination of Misfolded Procollagen Aggregates in the Endoplasmic Reticulum as a Means of Cell Protection. Molecular Biology of the Cell, 2009, 20, 2744-2754.	0.9	187
63	The ALG-2-interacting Protein Alix Associates with CHMP4b, a Human Homologue of Yeast Snf7 That Is Involved in Multivesicular Body Sorting. Journal of Biological Chemistry, 2003, 278, 39104-39113.	1.6	185
64	The Mouse SKD1, a Homologue of Yeast Vps4p, Is Required for Normal Endosomal Trafficking and Morphology in Mammalian Cells. Molecular Biology of the Cell, 2000, 11, 747-763.	0.9	181
65	The Parasitophorous Vacuole Membrane of Toxoplasma gondii Is Targeted for Disruption by Ubiquitin-like Conjugation Systems of Autophagy. Immunity, 2014, 40, 924-935.	6.6	179
66	Modulation of Local PtdIns3P Levels by the PI Phosphatase MTMR3 Regulates Constitutive Autophagy. Traffic, 2010, 11, 468-478.	1.3	167
67	Protective role of autophagy against Vibrio cholerae cytolysin, a pore-forming toxin from V. cholerae. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1829-1834.	3.3	162
68	Impaired autophagy by soluble endoglin, under physiological hypoxia in early pregnant period, is involved in poor placentation in preeclampsia. Autophagy, 2013, 9, 303-316.	4.3	162
69	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
70	Autophagy and kidney inflammation. Autophagy, 2017, 13, 997-1003.	4.3	154
71	Human IAPPâ€“induced pancreatic Î² cell toxicity and its regulation by autophagy. Journal of Clinical Investigation, 2014, 124, 3634-3644.	3.9	154
72	Autophagy Has a Significant Role in Determining Skin Color by Regulating Melanosome Degradation in Keratinocytes. Journal of Investigative Dermatology, 2013, 133, 2416-2424.	0.3	153

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73	Distinct functions of ATG16L1 isoforms in membrane binding and LC3B lipidation in autophagy-related processes. Nature Cell Biology, 2019, 21, 372-383.	4.6	143
74	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
75	Suppression of autophagic activity by Rubicon is a signature of aging. Nature Communications, 2019, 10, 847.	5.8	132
76	SKD1 AAA ATPase-Dependent Endosomal Transport is Involved in Autolysosome Formation.. Cell Structure and Function, 2002, 27, 29-37.	0.5	131
77	Hyperuricemia-induced inflammasome and kidney diseases. Nephrology Dialysis Transplantation, 2016, 31, 890-896.	0.4	126
78	Autophagosomeâ€“lysosome fusion in neurons requires <scp>INPP</scp> 5E, a protein associated with JoubertÂsyndrome. EMBO Journal, 2016, 35, 1853-1867.	3.5	121
79	A dominant negative form of the AAA ATPase SKD1/VPS4 impairs membrane trafficking out of endosomal/lysosomal compartments: class Evpsphenotype in mammalian cells. Journal of Cell Science, 2003, 116, 401-414.	1.2	118
80	A BET family protein degrader provokes senolysis by targeting NHEJ and autophagy in senescent cells. Nature Communications, 2020, 11, 1935.	5.8	118
81	LC3 lipidation is essential for TFEB activation during the lysosomal damage response to kidney injury. Nature Cell Biology, 2020, 22, 1252-1263.	4.6	117
82	Atg9A trafficking through the recycling endosomes is required for autophagosome formation. Journal of Cell Science, 2016, 129, 3781-3791.	1.2	116
83	Autophagy in Innate Immunity against Intracellular Bacteria. Journal of Biochemistry, 2006, 140, 161-166.	0.9	115
84	Differential Involvement of Atg16L1 in Crohn Disease and Canonical Autophagy. Journal of Biological Chemistry, 2009, 284, 32602-32609.	1.6	108
85	Autophagy and Longevity. Molecules and Cells, 2018, 41, 65-72.	1.0	105
86	Up-to-date membrane biogenesis in the autophagosome formation. Current Opinion in Cell Biology, 2013, 25, 455-460.	2.6	102
87	Toward unraveling membrane biogenesis in mammalian autophagy. Current Opinion in Cell Biology, 2008, 20, 401-407.	2.6	100
88	Autophagy and bacterial infectious diseases. Experimental and Molecular Medicine, 2012, 44, 99.	3.2	97
89	Autophagy Inhibits the Accumulation of Advanced Glycation End Products by Promoting Lysosomal Biogenesis and Function in the Kidney Proximal Tubules. Diabetes, 2017, 66, 1359-1372.	0.3	97
90	Ubiquitination of exposed glycoproteins by SCF ^{FBXO27} directs damaged lysosomes for autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8574-8579.	3.3	96

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91	Structural Basis of the Autophagy-Related LC3/Atg13 LIR Complex: Recognition and Interaction Mechanism. Structure, 2014, 22, 47-58.	1.6	93
92	Endothelial Nitric-oxide Synthase Antisense (NOS3AS) Gene Encodes an Autophagy-related Protein (APG9-like2) Highly Expressed in Trophoblast. Journal of Biological Chemistry, 2005, 280, 18283-18290.	1.6	92
93	An Initial Step of GAS-Containing Autophagosome-Like Vacuoles Formation Requires Rab7. PLoS Pathogens, 2009, 5, e1000670.	2.1	85
94	Regulation of membrane biogenesis in autophagy via PI3P dynamics. Seminars in Cell and Developmental Biology, 2010, 21, 671-676.	2.3	85
95	Essential role for GABARAP autophagy proteins in interferon-inducible GTPase-mediated host defense. Nature Immunology, 2017, 18, 899-910.	7.0	85
96	Autophagy: Paying Charon's Toll. Cell, 2007, 128, 833-836.	13.5	79
97	Atg16L2, a novel isoform of mammalian Atg16L that is not essential for canonical autophagy despite forming an Atg12â€“5-16L2 complex. Autophagy, 2011, 7, 1500-1513.	4.3	78
98	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
99	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
100	Autophagosomes can support Yersinia pseudotuberculosis replication in macrophages. Cellular Microbiology, 2010, 12, 1108-1123.	1.1	69
101	Autophagy Induced by Calcium Phosphate Precipitates Targets Damaged Endosomes. Journal of Biological Chemistry, 2014, 289, 11162-11174.	1.6	69
102	Where do they come from? Insights into autophagosome formation. FEBS Letters, 2010, 584, 1296-1301.	1.3	68
103	Artificial induction of autophagy around polystyrene beads in nonphagocytic cells. Autophagy, 2010, 6, 36-45.	4.3	67
104	Autophagosome biogenesis and human health. Cell Discovery, 2020, 6, 33.	3.1	66
105	Bidirectional Control of Autophagy by BECN1 BARA Domain Dynamics. Molecular Cell, 2019, 73, 339-353.e6.	4.5	61
106	Role of Hrs in maturation of autophagosomes in mammalian cells. Biochemical and Biophysical Research Communications, 2007, 360, 721-727.	1.0	60
107	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
108	An ATG16L1-dependent pathway promotes plasma membrane repair and limits Listeria monocytogenes cell-to-cell spread. Nature Microbiology, 2018, 3, 1472-1485.	5.9	57

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109	Alternative mitochondrial quality control mediated by extracellular release. Autophagy, 2021, 17, 2962-2974.	4.3	53
110	Trophoblast-Specific Conditional Atg7 Knockout Mice Develop Gestational Hypertension. American Journal of Pathology, 2018, 188, 2474-2486.	1.9	52
111	Molecular Dissection of Internalization of Porphyromonas gingivalis by Cells using Fluorescent Beads Coated with Bacterial Membrane Vesicle. Cell Structure and Function, 2005, 30, 81-91.	0.5	50
112	Beclin 1-interacting autophagy protein Atg14L targets SNARE-associated protein Snapin to coordinate endocytic trafficking. Journal of Cell Science, 2012, 125, 4740-50.	1.2	50
113	Selective autophagy: Lysophagy. Methods, 2015, 75, 128-132.	1.9	49
114	Transgenic expression of a ratiometric autophagy probe specifically in neurons enables the interrogation of brain autophagy in vivo. Autophagy, 2019, 15, 543-557.	4.3	49
115	Defects in autophagosome-lysosome fusion underlie Vici syndrome, a neurodevelopmental disorder with multisystem involvement. Scientific Reports, 2017, 7, 3552.	1.6	46
116	Ubiquitination-mediated autophagy against invading bacteria. Current Opinion in Cell Biology, 2011, 23, 492-497.	2.6	44
117	Autophagy-activating strategies to promote innate defense against mycobacteria. Experimental and Molecular Medicine, 2019, 51, 1-10.	3.2	43
118	Age-dependent loss of adipose Rubicon promotes metabolic disorders via excess autophagy. Nature Communications, 2020, 11, 4150.	5.8	43
119	Beyond starvation: An update on the autophagic machinery and its functions. Journal of Molecular and Cellular Cardiology, 2016, 95, 2-10.	0.9	42
120	Cochaperone Activity of Human Butyrate-Induced Transcript 1 Facilitates Hepatitis C Virus Replication through an Hsp90-Dependent Pathway. Journal of Virology, 2009, 83, 10427-10436.	1.5	39
121	Molecular basis of canonical and bactericidal autophagy. International Immunology, 2009, 21, 1199-1204.	1.8	37
122	Bacterial secretion system skews the fate of Legionella-containing vacuoles towards LC3-associated phagocytosis. Scientific Reports, 2017, 7, 44795.	1.6	36
123	Atg4B^{C74A}hampers autophagosome closure: A useful protein for inhibiting autophagy. Autophagy, 2009, 5, 88-89.	4.3	31
124	Deregulated MTOR (mechanistic target of rapamycin kinase) is responsible for autophagy defects exacerbating kidney stone development. Autophagy, 2020, 16, 709-723.	4.3	31
125	Degradation of the NOTCH intracellular domain by elevated autophagy in osteoblasts promotes osteoblast differentiation and alleviates osteoporosis. Autophagy, 2022, 18, 2323-2332.	4.3	30
126	Proteome of ubiquitin/MVB pathway: possible involvement of iron-induced ubiquitylation of transferrin receptor in lysosomal degradation. Genes To Cells, 2011, 16, 448-466.	0.5	29

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127	Autophagosome formation in response to intracellular bacterial invasion. Cellular Microbiology, 2014, 16, 1619-1626.	1.1	27
128	Age-associated decline of MondoA drives cellular senescence through impaired autophagy and mitochondrial homeostasis. Cell Reports, 2022, 38, 110444.	2.9	27
129	The PtdIns3â€phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. FEBS Letters, 2016, 590, 161-173.	1.3	26
130	Endothelial cells are intrinsically defective in xenophagy of Streptococcus pyogenes. PLoS Pathogens, 2017, 13, e1006444.	2.1	26
131	Phospholipids in Autophagosome Formation and Fusion. Journal of Molecular Biology, 2016, 428, 4819-4827.	2.0	24
132	Autophagy Declines with Premature Skin Aging resulting in Dynamic Alterations in Skin Pigmentation and Epidermal Differentiation. International Journal of Molecular Sciences, 2020, 21, 5708.	1.8	21
133	Metabolic effects of RUBCN/Rubicon deficiency in kidney proximal tubular epithelial cells. Autophagy, 2020, 16, 1889-1904.	4.3	20
134	Regulation of lysosomal phosphoinositide balance by INPP5E is essential for autophagosomeâ€“lysosome fusion. Autophagy, 2016, 12, 2500-2501.	4.3	18
135	Intracellular fate of Ureaplasma parvum entrapped by host cellular autophagy. MicrobiologyOpen, 2017, 6, e00441.	1.2	18
136	Structural basis for autophagy inhibition by the human Rubiconâ€“Rab7 complex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17003-17010.	3.3	18
137	Dysregulation of autophagy in melanocytes contributes to hypopigmented macules in tuberous sclerosis complex. Journal of Dermatological Science, 2018, 89, 155-164.	1.0	17
138	Lysophagy: A Method for Monitoring Lysosomal Rupture Followed by Autophagy-Dependent Recovery. Methods in Molecular Biology, 2017, 1594, 141-149.	0.4	16
139	Autophagy Creates a CTL Epitope That Mimics Tumor-Associated Antigens. PLoS ONE, 2012, 7, e47126.	1.1	16
140	TP53/p53-FBXO22-TFEB controls basal autophagy to govern hormesis. Autophagy, 2021, 17, 3776-3793.	4.3	15
141	Mediatory molecules that fuse autophagosomes and lysosomes. Autophagy, 2010, 6, 417-418.	4.3	14
142	Three-Axis Model for Atg Recruitment in Autophagy againstSalmonella. International Journal of Cell Biology, 2012, 2012, 1-6.	1.0	14
143	ERdj8 governs the size of autophagosomes during the formation process. Journal of Cell Biology, 2020, 219, .	2.3	14
144	Induction of selective autophagy in cells replicating hepatitis C virus genome. Journal of General Virology, 2018, 99, 1643-1657.	1.3	14

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145	Autophagy-independent function of lipidated LC3 essential for TFEB activation during the lysosomal damage responses. Autophagy, 2021, 17, 581-583.	4.3	13
146	Regulatory Mechanisms of Autophagy-Targeted Antimicrobial Therapeutics Against Mycobacterial Infection. Frontiers in Cellular and Infection Microbiology, 2021, 11, 633360.	1.8	13
147	Rubicon prevents autophagic degradation of GATA4 to promote Sertoli cell function. PLoS Genetics, 2021, 17, e1009688.	1.5	13
148	Vacuolar protein Tag1 and Atg1â€“Atg13 regulate autophagy termination during persistent starvation in S. cerevisiae. Journal of Cell Science, 2021, 134, .	1.2	12
149	Autophagy system as a potential therapeutic target for neurodegenerative diseases. Neurochemistry International, 2022, 155, 105308.	1.9	11
150	Immunohistochemical localization of V-ATPases in rat spermatids. Journal of Developmental and Physical Disabilities, 2000, 23, 278-283.	3.6	10
151	Group A Streptococcus: A Loser in the Battle with Autophagy. Current Topics in Microbiology and Immunology, 2009, 335, 217-226.	0.7	10
152	PACSIN1 is indispensable for amphisome-lysosome fusion during basal autophagy and subsets of selective autophagy. PLoS Genetics, 2022, 18, e1010264.	1.5	10
153	Morphological Analysis of Autophagy. Methods in Molecular Biology, 2012, 931, 449-466.	0.4	9
154	Starvation-induced autophagy via calcium-dependent TFEB dephosphorylation is suppressed by Shigyakusan. PLoS ONE, 2020, 15, e0230156.	1.1	8
155	Rubicon regulates A2E-induced autophagy impairment in the retinal pigment epithelium implicated in the pathology of age-related macular degeneration. Biochemical and Biophysical Research Communications, 2021, 551, 148-154.	1.0	8
156	Loss of RUBCN/rubicon in adipocytes mediates the upregulation of autophagy to promote the fasting response. Autophagy, 2022, 18, 2686-2696.	4.3	7
157	Membrane recruitment of autophagy proteins in selective autophagy. Hepatology Research, 2012, 42, 435-441.	1.8	5
158	A 60 kDa Plasma Membrane Protein Changes its Localization to Autophagosome and Autolysosome Membranes during Induction of Autophagy in Rat Hepatoma Cell Line, H-4-II-E Cells.. Cell Structure and Function, 1999, 24, 59-70.	0.5	5
159	Rubicon in pancreatic beta cells plays a limited role in maintaining glucose homeostasis following increased insulin resistance. Endocrine Journal, 2020, 67, 1119-1126.	0.7	5
160	Rubicon in Metabolic Diseases and Ageing. Frontiers in Cell and Developmental Biology, 2021, 9, 816829.	1.8	5
161	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. Autophagy, 2018, 14, 925-929.	4.3	3
162	Non-canonical roles of ATG8 for TFEB activation. Biochemical Society Transactions, 2022, 50, 47-54.	1.6	3

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163	Rubicon-regulated beta-1 adrenergic receptor recycling protects the heart from pressure overload. Scientific Reports, 2022, 12, 41.	1.6	2
164	Measurement of autophagy via LC3 western blotting following DNA-damage-induced senescence. STAR Protocols, 2022, 3, 101539.	0.5	2
165	Toward and beyond Lysosomes. Cell Structure and Function, 2002, 27, 401-402.	0.5	1
166	Protocols to monitor TFEB activation following lysosomal damage in cultured cells using microscopy and immunoblotting. STAR Protocols, 2022, 3, 101018.	0.5	1
167	Autophagy Eliminates Group A Streptococcus Invading Host Cells. , 2006, , 139-150.		0
168	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. Autophagy, 2019, 15, 1829-1833.	4.3	0
169	THOC4 regulates energy homeostasis by stabilizing TFEB mRNA during prolonged starvation. Journal of Cell Science, 2021, 134, .	1.2	0
170	Induction of Autophagy to Myeloma Cells by Thalidomide and Clarithromycin.. Blood, 2005, 106, 5134-5134.	0.6	0
171	Autophagy requires endoplasmic reticulum targeting of the PI3-kinase complex via Atg14L. Journal of Experimental Medicine, 2010, 207, i24-i24.	4.2	0
172	Insights into membrane dynamics in autophagy. FASEB Journal, 2012, 26, 219.3.	0.2	0
173	The role of autophagy for protein aggregation in preeclampsia. Reproductive Immunology and Biology, 2018, 33, 18-25.	0.2	0
174	Title is missing!. , 2020, 15, e0230156.		0
175	Title is missing!. , 2020, 15, e0230156.		0
176	Title is missing!. , 2020, 15, e0230156.		0
177	Title is missing!. , 2020, 15, e0230156.		0