Masaaki Komatsu

List of Publications by Year
in descending order

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208	62,490	2802	2127
papers	citations	94 h-index	203 g-index

215	215	215	57327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Autophagy: Renovation of Cells and Tissues. Cell, 2011, 147, 728-741.	28.9	4,844
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
3	Loss of autophagy in the central nervous system causes neurodegeneration in mice. Nature, 2006, 441, 880-884.	27.8	3,209
4	Autophagy regulates lipid metabolism. Nature, 2009, 458, 1131-1135.	27.8	3,149
5	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
6	Impairment of starvation-induced and constitutive autophagy in Atg7-deficient mice. Journal of Cell Biology, 2005, 169, 425-434.	5.2	2,180
7	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	9.1	2,064
8	The selective autophagy substrate p62 activates the stress responsive transcription factor Nrf2 through inactivation of Keap1. Nature Cell Biology, 2010, 12, 213-223.	10.3	1,933
9	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. Cell, 2007, 131, 1149-1163.	28.9	1,925
10	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1Î² production. Nature, 2008, 456, 264-268.	27.8	1,837
11	PINK1 stabilized by mitochondrial depolarization recruits Parkin to damaged mitochondria and activates latent Parkin for mitophagy. Journal of Cell Biology, 2010, 189, 211-221.	5.2	1,600
12	Autophagy Is Required to Maintain Muscle Mass. Cell Metabolism, 2009, 10, 507-515.	16.2	1,554
13	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262	9.1	1,430
14	Toll-like receptor signalling in macrophages links the autophagy pathway to phagocytosis. Nature, 2007, 450, 1253-1257.	27.8	1,181
15	Autophagy-deficient mice develop multiple liver tumors. Genes and Development, 2011, 25, 795-800.	5.9	1,094
16	A Role for NBR1 in Autophagosomal Degradation of Ubiquitinated Substrates. Molecular Cell, 2009, 33, 505-516.	9.7	974
17	Discovery of Atg5/Atg7-independent alternative macroautophagy. Nature, 2009, 461, 654-658.	27.8	949
18	Phosphorylation of p62 Activates the Keap1-Nrf2 Pathway during Selective Autophagy. Molecular Cell, 2013, 51, 618-631.	9.7	880

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19	Autophagy Is Important in Islet Homeostasis and Compensatory Increase of Beta Cell Mass in Response to High-Fat Diet. Cell Metabolism, 2008, 8, 325-332.	16.2	680
20	Structural Basis for Sorting Mechanism of p62 in Selective Autophagy. Journal of Biological Chemistry, 2008, 283, 22847-22857.	3.4	665
21	Autophagy deficiency leads to protection from obesity and insulin resistance by inducing Fgf21 as a mitokine. Nature Medicine, 2013, 19, 83-92.	30.7	661
22	p62/<scp>SQSTM</scp>1 functions as a signaling hub and an autophagy adaptor. FEBS Journal, 2015, 282, 4672-4678.	4.7	626
23	Loss of Autophagy Diminishes Pancreatic Î² Cell Mass and Function with Resultant Hyperglycemia. Cell Metabolism, 2008, 8, 318-324.	16.2	586
24	Adipose-specific deletion of autophagy-related gene 7 (atg7) in mice reveals a role in adipogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19860-19865.	7.1	570
25	Essential role for autophagy protein Atg7 in the maintenance of axonal homeostasis and the prevention of axonal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14489-14494.	7.1	560
26	Persistent activation of Nrf2 through p62 in hepatocellular carcinoma cells. Journal of Cell Biology, 2011, 193, 275-284.	5.2	520
27	PINK1 autophosphorylation upon membrane potential dissipation is essential for Parkin recruitment to damaged mitochondria. Nature Communications, 2012, 3, 1016.	12.8	465
28	Inhibition of Autophagy Prevents Hippocampal Pyramidal Neuron Death after Hypoxic-Ischemic Injury. American Journal of Pathology, 2008, 172, 454-469.	3.8	443
29	Physiological significance of selective degradation of p62 by autophagy. FEBS Letters, 2010, 584, 1374-1378.	2.8	439
30	The Atg8 Conjugation System Is Indispensable for Proper Development of Autophagic Isolation Membranes in Mice. Molecular Biology of the Cell, 2008, 19, 4762-4775.	2.1	424
31	Autophagy in proximal tubules protects against acute kidney injury. Kidney International, 2012, 82, 1271-1283.	5.2	405
32	Keap1 degradation by autophagy for the maintenance of redox homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13561-13566.	7.1	394
33	Functions of autophagy in normal and diseased liver. Autophagy, 2013, 9, 1131-1158.	9.1	384
34	Autophagy in the liver: functions in health and disease. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 170-184.	17.8	384
35	Autophagy Is Essential for Mitochondrial Clearance in Mature T Lymphocytes. Journal of Immunology, 2009, 182, 4046-4055.	0.8	372
36	p62/SQSTM1 cooperates with Parkin for perinuclear clustering of depolarized mitochondria. Genes To Cells, 2010, 15, 887-900.	1.2	345

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37	Loss of autophagy in erythroid cells leads to defective removal of mitochondria and severe anemia in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 832-837.	7.1	332
38	A novel protein-conjugating system for Ufm1, a ubiquitin-fold modifier. EMBO Journal, 2004, 23, 1977-1986.	7.8	300
39	Attenuation of c <scp>GAS</scp> â€•<scp>STING</scp> signaling is mediated by a p62/ <scp>SQSTM</scp> 1â€dependent autophagy pathway activated by TBK1. EMBO Journal, 2018, 37, .	7.8	283
40	Mitochondrial dysfunction and oxidative stress mediate the physiological impairment induced by the disruption of autophagy. Aging, 2009, 1, 425-437.	3.1	270
41	Disrupted Autophagy Leads to Dopaminergic Axon and Dendrite Degeneration and Promotes Presynaptic Accumulation of Î±-Synuclein and LRRK2 in the Brain. Journal of Neuroscience, 2012, 32, 7585-7593.	3.6	268
42	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. Nature Communications, 2016, 7, 12030.	12.8	253
43	Proteotoxic Stress Induces Phosphorylation of p62/SQSTM1 by ULK1 to Regulate Selective Autophagic Clearance of Protein Aggregates. PLoS Genetics, 2015, 11, e1004987.	3.5	250
44	Autophagy-monitoring and autophagy-deficient mice. Autophagy, 2017, 13, 1619-1628.	9.1	248
45	p62/SQSTM1/A170: Physiology and pathology. Pharmacological Research, 2012, 66, 457-462.	7.1	247
46	Human Apg3p/Aut1p Homologue Is an Authentic E2 Enzyme for Multiple Substrates, GATE-16, GABARAP, and MAP-LC3, and Facilitates the Conjugation of hApg12p to hApg5p. Journal of Biological Chemistry, 2002, 277, 13739-13744.	3.4	237
47	Liver autophagy contributes to the maintenance of blood glucose and amino acid levels. Autophagy, 2011, 7, 727-736.	9.1	233
48	Human IRGM regulates autophagy and cell-autonomous immunity functions through mitochondria. Nature Cell Biology, 2010, 12, 1154-1165.	10.3	228
49	Selective degradation of p62 by autophagy. Seminars in Immunopathology, 2010, 32, 431-436.	6.1	216
50	The MAP1-LC3 conjugation system is involved in lipid droplet formation. Biochemical and Biophysical Research Communications, 2009, 382, 419-423.	2.1	214
51	p62/SQSTM1 â€“ steering the cell through health and disease. Journal of Cell Science, 2018, 131, .	2.0	214
52	Autophagy regulates endothelial cell processing, maturation and secretion of von Willebrand factor. Nature Medicine, 2013, 19, 1281-1287.	30.7	212
53	Excess Peroxisomes Are Degraded by Autophagic Machinery in Mammals. Journal of Biological Chemistry, 2006, 281, 4035-4041.	3.4	206
54	Selective turnover of p62/A170/SQSTM1 by autophagy. Autophagy, 2008, 4, 1063-1066.	9.1	206

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55	A common role for Atg16L1, Atg5, and Atg7 in small intestinal Paneth cells and Crohn disease. Autophagy, 2009, 5, 250-252.	9.1	202
56	Distinct Mechanisms of Ferritin Delivery to Lysosomes in Iron-Depleted and Iron-Replete Cells. Molecular and Cellular Biology, 2011, 31, 2040-2052.	2.3	201
57	Ubiquitylation of Autophagy Receptor Optineurin by HACE1 Activates Selective Autophagy for Tumor Suppression. Cancer Cell, 2014, 26, 106-120.	16.8	198
58	Mechanisms of necroptosis in T cells. Journal of Experimental Medicine, 2011, 208, 633-641.	8.5	190
59	p62/<scp>SQSTM</scp>1: â€˜Jack of all tradesâ€™ in health and cancer. FEBS Journal, 2019, 286, 8-23.	4.7	189
60	Phosphatidylserine in Addition to Phosphatidylethanolamine Is an in Vitro Target of the Mammalian Atg8 Modifiers, LC3, GABARAP, and GATE-16. Journal of Biological Chemistry, 2006, 281, 3017-3024.	3.4	178
61	A Novel Type of E3 Ligase for the Ufm1 Conjugation System. Journal of Biological Chemistry, 2010, 285, 5417-5427.	3.4	176
62	Trehalose protects against oxidative stress by regulating the Keap1â€“Nrf2 and autophagy pathways. Redox Biology, 2018, 15, 115-124.	9.0	169
63	Suppression of Autophagy in Osteocytes Mimics Skeletal Aging. Journal of Biological Chemistry, 2013, 288, 17432-17440.	3.4	165
64	Autophagy Regulates Phagocytosis by Modulating the Expression of Scavenger Receptors. Immunity, 2013, 39, 537-547.	14.3	164
65	Motor Neuron-specific Disruption of Proteasomes, but Not Autophagy, Replicates Amyotrophic Lateral Sclerosis. Journal of Biological Chemistry, 2012, 287, 42984-42994.	3.4	162
66	Constitutive autophagy: vital role in clearance of unfavorable proteins in neurons. Cell Death and Differentiation, 2007, 14, 887-894.	11.2	157
67	Ubiquitin accumulation in autophagy-deficient mice is dependent on the Nrf2-mediated stress response pathway: a potential role for protein aggregation in autophagic substrate selection. Journal of Cell Biology, 2010, 191, 537-552.	5.2	156
68	Modification of ASC1 by UFM1 Is Crucial for ERÎ± Transactivation and Breast Cancer Development. Molecular Cell, 2014, 56, 261-274.	9.7	156
69	Systemic autophagy insufficiency compromises adaptation to metabolic stress and facilitates progression from obesity to diabetes. Nature Communications, 2014, 5, 4934.	12.8	156
70	The cellular pathways of neuronal autophagy and their implication in neurodegenerative diseases. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1496-1507.	4.1	150
71	Macroautophagy deficiency mediates age-dependent neurodegeneration through a phospho-tau pathway. Molecular Neurodegeneration, 2012, 7, 48.	10.8	150
72	Loss of Autophagy in Pro-opiomelanocortin Neurons Perturbs Axon Growth and Causes Metabolic Dysregulation. Cell Metabolism, 2012, 15, 247-255.	16.2	149

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73	Autophagy deficiency in beta cells leads to compromised unfolded protein response and progression from obesity to diabetes in mice. Diabetologia, 2012, 55, 392-403.	6.3	149
74	Ubiquitin systems mark pathogen-containing vacuoles as targets for host defense by guanylate binding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5628-37.	7.1	147
75	Linear ubiquitination of cytosolic Salmonella Typhimurium activates NF-Î¹B and restricts bacterial proliferation. Nature Microbiology, 2017, 2, 17066.	13.3	145
76	Ubiquitylation of p62/sequestosome1 activates its autophagy receptor function and controls selective autophagy upon ubiquitin stress. Cell Research, 2017, 27, 657-674.	12.0	143
77	Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567.	12.8	143
78	Suppression of autophagy permits successful enzyme replacement therapy in a lysosomal storage disorderâ€”murine Pompe disease. Autophagy, 2010, 6, 1078-1089.	9.1	140
79	Amyloidogenic peptide oligomer accumulation in autophagy-deficient Î² cells induces diabetes. Journal of Clinical Investigation, 2014, 124, 3311-3324.	8.2	138
80	p62/SQSTM1-droplet serves as a platform for autophagosome formation and anti-oxidative stress response. Nature Communications, 2021, 12, 16.	12.8	137
81	MBSJ MCC Young Scientist Award 2009â€˜REVIEW: Selective autophagy regulates various cellular functions. Genes To Cells, 2010, 15, 923-933.	1.2	136
82	Two Novel Ubiquitin-fold Modifier 1 (Ufm1)-specific Proteases, UfSP1 and UfSP2. Journal of Biological Chemistry, 2007, 282, 5256-5262.	3.4	135
83	Autophagy: More Than a Nonselective Pathway. International Journal of Cell Biology, 2012, 2012, 1-18.	2.5	128
84	Akt Suppresses Retrograde Degeneration of Dopaminergic Axons by Inhibition of Macroautophagy. Journal of Neuroscience, 2011, 31, 2125-2135.	3.6	126
85	The Ufm1-activating enzyme Uba5 is indispensable for erythroid differentiation in mice. Nature Communications, 2011, 2, 181.	12.8	124
86	Impaired Autophagy in Neurons after Disinhibition of Mammalian Target of Rapamycin and Its Contribution to Epileptogenesis. Journal of Neuroscience, 2012, 32, 15704-15714.	3.6	124
87	Regulation of the Keap1â€“Nrf2 pathway by p62/SQSTM1. Current Opinion in Toxicology, 2016, 1, 54-61.	5.0	124
88	PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. Cancer Cell, 2018, 33, 355-367.e7.	16.8	121
89	Crucial role for autophagy in degranulation of mast cells. Journal of Allergy and Clinical Immunology, 2011, 127, 1267-1276.e6.	2.9	120
90	Crystal Structure of the Ubiquitin-associated (UBA) Domain of p62 and Its Interaction with Ubiquitin. Journal of Biological Chemistry, 2011, 286, 31864-31874.	3.4	117

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91	LC3 lipidation is essential for TFEB activation during the lysosomal damage response to kidney injury. Nature Cell Biology, 2020, 22, 1252-1263.	10.3	117
92	A Cluster of Thin Tubular Structures Mediates Transformation of the Endoplasmic Reticulum to Autophagic Isolation Membrane. Molecular and Cellular Biology, 2014, 34, 1695-1706.	2.3	116
93	<scp>NBR</scp> 1â€mediated p62â€liquid droplets enhance the Keap1â€Nrf2 system. EMBO Reports, 2020, 21, e48902.	4.5	107
94	Autophagy is induced upon platelet activation and is essential for hemostasis and thrombosis. Blood, 2015, 126, 1224-1233.	1.4	106
95	GATE-16 and GABARAP are authentic modifiers mediated by Apg7 and Apg3. Biochemical and Biophysical Research Communications, 2003, 300, 637-644.	2.1	96
96	Endogenous Nitrated Nucleotide Is a Key Mediator of Autophagy and Innate Defense against Bacteria. Molecular Cell, 2013, 52, 794-804.	9.7	96
97	Structural determinants in <scp>GABARAP</scp> required for the selective binding and recruitment of <scp>ALFY</scp> to <scp>LC</scp> 3Bâ€positive structures. EMBO Reports, 2014, 15, 557-565.	4.5	96
98	Autophagy regulates hepatocyte identity and epithelial-to-mesenchymal and mesenchymal-to-epithelial transitions promoting Snail degradation. Cell Death and Disease, 2015, 6, e1880-e1880.	6.3	96
99	Role of Hypothalamic Proopiomelanocortin Neuron Autophagy in the Control of Appetite and Leptin Response. Endocrinology, 2012, 153, 1817-1826.	2.8	95
100	Proteasome Dysfunction Activates Autophagy and the Keap1-Nrf2 Pathway. Journal of Biological Chemistry, 2014, 289, 24944-24955.	3.4	95
101	Megalin-Mediated Tubuloglomerular Alterations in High-Fat Dietâ€"Induced Kidney Disease. Journal of the American Society of Nephrology: JASN, 2016, 27, 1996-2008.	6.1	90
102	Transient Aggregation of Ubiquitinated Proteins Is a Cytosolic Unfolded Protein Response to Inflammation and Endoplasmic Reticulum Stress. Journal of Biological Chemistry, 2012, 287, 19687-19698.	3.4	89
103	Autophagy Protects against Colitis by the Maintenance of Normal Gut Microflora and Secretion of Mucus. Journal of Biological Chemistry, 2015, 290, 20511-20526.	3.4	85
104	Loss of autophagy in dopaminergic neurons causes Lewy pathology and motor dysfunction in aged mice. Scientific Reports, 2018, 8, 2813.	3.3	85
105	The C-terminal Region of an Apg7p/Cvt2p Is Required for Homodimerization and Is Essential for Its E1 Activity and E1-E2 Complex Formation. Journal of Biological Chemistry, 2001, 276, 9846-9854.	3.4	84
106	Atg9adeficiency causes axon-specific lesions including neuronal circuit dysgenesis. Autophagy, 2018, 14, 764-777.	9.1	82
107	Activation of p62/SQSTM1â€"Keap1â€"Nuclear Factor Erythroid 2-Related Factor 2 Pathway in Cancer. Frontiers in Oncology, 2018, 8, 210.	2.8	82
108	Loss of Pten, a tumor suppressor, causes the strong inhibition of autophagy without affecting LC3 lipidation. Autophagy, 2008, 4, 692-700.	9.1	80

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109	The Crystal Structure of Human Atg4b, a Processing and De-conjugating Enzyme for Autophagosome-forming Modifiers. Journal of Molecular Biology, 2006, 355, 612-618.	4.2	79
110	Autophagy in the intestinal epithelium reduces endotoxin-induced inflammatory responses by inhibiting NF-Î²B activation. Archives of Biochemistry and Biophysics, 2011, 506, 223-235.	3.0	79
111	Autophagy linked FYVE (Alfy/WDFY3) is required for establishing neuronal connectivity in the mammalian brain. ELife, 2016, 5, .	6.0	78
112	Receptor protein complexes are in control of autophagy. Autophagy, 2012, 8, 1701-1705.	9.1	77
113	Increased hepatic receptor interacting protein kinase 3 expression due to impaired proteasomal functions contributes to alcohol-induced steatosis and liver injury. Oncotarget, 2016, 7, 17681-17698.	1.8	77
114	The unexpected role of polyubiquitin chains in the formation of fibrillar aggregates. Nature Communications, 2015, 6, 6116.	12.8	75
115	Autophagy attenuates tubulointerstital fibrosis through regulating transforming growth factor-Î² and NLRP3 inflammasome signaling pathway. Cell Death and Disease, 2019, 10, 78.	6.3	73
116	Biallelic Variants in UBA5 Link Dysfunctional UFM1ÂUbiquitin-like Modifier Pathway to Severe Infantile-Onset Encephalopathy. American Journal of Human Genetics, 2016, 99, 683-694.	6.2	72
117	Biallelic UFM1 and UFC1 mutations expand the essential role of ufmylation in brain development. Brain, 2018, 141, 1934-1945.	7.6	70
118	Autophagy and Neurodegeneration. Autophagy, 2006, 2, 315-317.	9.1	69
119	Structural and Functional Analysis of a Novel Interaction Motif within UFM1-activating Enzyme 5 (UBA5) Required for Binding to Ubiquitin-like Proteins and Ufmylation. Journal of Biological Chemistry, 2016, 291, 9025-9041.	3.4	69
120	The CD40-Autophagy Pathway Is Needed for Host Protection Despite IFN-Î“-Dependent Immunity and CD40 Induces Autophagy via Control of P21 Levels. PLoS ONE, 2010, 5, e14472.	2.5	65
121	Sequestosome 1/p62 Protein Is Associated with Autophagic Removal of Excess Hepatic Endoplasmic Reticulum in Mice. Journal of Biological Chemistry, 2016, 291, 18663-18674.	3.4	65
122	Induction of Covalently Crosslinked p62 Oligomers with Reduced Binding to Polyubiquitinated Proteins by the Autophagy Inhibitor Verteporfin. PLoS ONE, 2014, 9, e114964.	2.5	64
123	Negative Regulation of the Keap1-Nrf2 Pathway by a p62/Sqstm1 Splicing Variant. Molecular and Cellular Biology, 2018, 38, .	2.3	63
124	Loss of autophagy promotes murine acetaminophen hepatotoxicity. Journal of Gastroenterology, 2012, 47, 433-443.	5.1	62
125	Dissection of the role of p62/Sqstm1 in activation of Nrf2 during xenophagy. FEBS Letters, 2014, 588, 822-828.	2.8	62
126	Ezetimibe, an NPC1L1 inhibitor, is a potent Nrf2 activator that protects mice from diet-induced nonalcoholic steatohepatitis. Free Radical Biology and Medicine, 2016, 99, 520-532.	2.9	62

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127	Solution structure and dynamics of Ufm1, a ubiquitin-fold modifier 1. Biochemical and Biophysical Research Communications, 2006, 343, 21-26.	2.1	55
128	Intermittent-hypoxia induced autophagy attenuates contractile dysfunction and myocardial injury in rat heart. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1159-1166.	3.8	55
129	Potential role of p62 in tumor development. Autophagy, 2011, 7, 1088-1090.	9.1	54
130	Liver autophagy: physiology and pathology. Journal of Biochemistry, 2012, 152, 5-15.	1.7	54
131	LC3B is indispensable for selective autophagy of p62 but not basal autophagy. Biochemical and Biophysical Research Communications, 2014, 446, 309-315.	2.1	52
132	A Novel Hybrid Yeast-Human Network Analysis Reveals an Essential Role for FNBP1L in Antibacterial Autophagy. Journal of Immunology, 2009, 182, 4917-4930.	0.8	51
133	Selective Types of Autophagy. International Journal of Cell Biology, 2012, 2012, 1-2.	2.5	51
134	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. Science Signaling, 2018, 11, .	3.6	51
135	Membrane perturbation by lipidated Atg8 underlies autophagosome biogenesis. Nature Structural and Molecular Biology, 2021, 28, 583-593.	8.2	51
136	Neuronal autophagy: Going the distance to the axon. Autophagy, 2008, 4, 94-96.	9.1	48
137	Structure of Ubiquitin-fold Modifier 1-specific Protease UfSP2. Journal of Biological Chemistry, 2011, 286, 10248-10257.	3.4	47
138	The FAP motif within human ATG7, an autophagy-related E1-like enzyme, is essential for the E2-substrate reaction of LC3 lipidation. Autophagy, 2012, 8, 88-97.	9.1	47
139	The significant role of autophagy in the granular layer in normal skin differentiation and hair growth. Archives of Dermatological Research, 2015, 307, 159-169.	1.9	46
140	Monitoring Autophagy Flux and Activity: Principles and Applications. BioEssays, 2020, 42, e2000122.	2.5	45
141	PARK2/Parkin-mediated mitochondrial clearance contributes to proteasome activation during slow-twitch muscle atrophy via NFE2L1 nuclear translocation. Autophagy, 2014, 10, 631-641.	9.1	44
142	Mitochondrial reactive oxygen species trigger metformin-dependent antitumor immunity via activation of Nrf2/mTORC1/p62 axis in tumor-infiltrating CD8T lymphocytes. , 2021, 9, e002954.		44
143	Inducible disruption of autophagy in the lung causes airway hyper-responsiveness. Biochemical and Biophysical Research Communications, 2011, 405, 13-18.	2.1	41
144	Novel therapeutic strategy for cervical cancer harboring FGFR3-TACC3 fusions. Oncogenesis, 2018, 7, 4.	4.9	41

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145	An atypical LIR motif within UBA5 (ubiquitin like modifier activating enzyme 5) interacts with GABARAP proteins and mediates membrane localization of UBA5. Autophagy, 2020, 16, 256-270.	9.1	41
146	Cloning and characterization of two neural-salient serine/arginine-rich (NSSR) proteins involved in the regulation of alternative splicing in neurones. Genes To Cells, 1999, 4, 593-606.	1.2	40
147	Pathophysiological Role of Autophagy: Lesson from Autophagy-Deficient Mouse Models. Experimental Animals, 2011, 60, 329-345.	1.1	40
148	Autophagy is involved in regulating influenza A virus RNA and protein synthesis associated with both modulation of Hsp90 induction and mTOR/p70S6K signaling pathway. International Journal of Biochemistry and Cell Biology, 2016, 72, 100-108.	2.8	40
149	Comprehensive proteomics analysis of autophagy-deficient mouse liver. Biochemical and Biophysical Research Communications, 2008, 368, 643-649.	2.1	39
150	Chapter 9 Biochemical and Morphological Detection of Inclusion Bodies in Autophagyâ€Ðeficient Mice. Methods in Enzymology, 2009, 453, 181-196.	1.0	39
151	Synthesis of Keap1-phosphorylated p62 and Keap1-Nrf2 protein-protein interaction inhibitors and their inhibitory activity. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5956-5959.	2.2	39
152	Crystal structure of Ufc1, the Ufm1-conjugating enzyme. Biochemical and Biophysical Research Communications, 2007, 362, 1079-1084.	2.1	38
153	Developing Postmitotic Mammalian NeuronsIn VivoLacking Apaf-1 Undergo Programmed Cell Death by a Caspase-Independent, Nonapoptotic Pathway Involving Autophagy. Journal of Neuroscience, 2008, 28, 1490-1497.	3.6	37
154	PAC1 Gene Knockout Reveals an Essential Role of Chaperone-Mediated 20S Proteasome Biogenesis and Latent 20S Proteasomes in Cellular Homeostasis. Molecular and Cellular Biology, 2010, 30, 3864-3874.	2.3	37
155	Autophagy Induced by Calcium Phosphate Precipitates Involves Endoplasmic Reticulum Membranes in Autophagosome Biogenesis. PLoS ONE, 2012, 7, e52347.	2.5	36
156	Autophagy is involved in anti-viral activity of pentagalloylglucose (PGG) against Herpes simplex virus type 1 infection in vitro. Biochemical and Biophysical Research Communications, 2011, 405, 186-191.	2.1	34
157	MAZ, a Myc-associated zinc finger protein, is essential for the ME1a1-mediated expression of the c-myc gene during neuroectodermal differentiation of P19 cells. Oncogene, 1997, 15, 1123-1131.	5.9	33
158	USP10 Is a Driver of Ubiquitinated Protein Aggregation and Aggresome Formation to Inhibit Apoptosis. IScience, 2018, 9, 433-450.	4.1	32
159	Loss of autophagy in chondrocytes causes severe growth retardation. Autophagy, 2020, 16, 501-511.	9.1	32
160	Murine Apg12p Has a Substrate Preference for Murine Apg7p over Three Apg8p Homologs. Biochemical and Biophysical Research Communications, 2002, 292, 256-262.	2.1	30
161	DNA damage response and sphingolipid signaling in liver diseases. Surgery Today, 2016, 46, 995-1005.	1.5	30
162	Physiological Stress Response by Selective Autophagy. Journal of Molecular Biology, 2020, 432, 53-62.	4.2	29

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163	A novel approach to assess the ubiquitinâ€fold modifier 1â€system in cells. FEBS Letters, 2017, 591, 196-204.	2.8	28
164	Ohmyungsamycins promote antimicrobial responses through autophagy activation via AMP-activated protein kinase pathway. Scientific Reports, 2017, 7, 3431.	3.3	28
165	Discovery of benzo[g]indoles as a novel class of non-covalent Keap1-Nrf2 protein-protein interaction inhibitor. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 5006-5009.	2.2	27
166	Autophagic receptor p62 protects against glycationâ€derived toxicity and enhances viability. Aging Cell, 2020, 19, e13257.	6.7	27
167	Selective autophagy. Cancer Science, 2021, 112, 3972-3978.	3.9	27
168	Inhibitors of the proteinâ€“protein interaction between phosphorylated p62 and Keap1 attenuate chemoresistance in a human hepatocellular carcinoma cell line. Free Radical Research, 2020, 54, 859-871.	3.3	26
169	Atg5 regulates late endosome and lysosome biogenesis. Science China Life Sciences, 2014, 57, 59-68.	4.9	24
170	Suppression of autophagy sensitizes Kupffer cells to endotoxin. Hepatology Research, 2012, 42, 1112-1118.	3.4	22
171	Deletion of exons encoding carboxypeptidase domain of Nna1 results in Purkinje cell degeneration (pcd) phenotype. Journal of Neurochemistry, 2018, 147, 557-572.	3.9	20
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