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	Loss of Atg2b and Gskip Impairs the Maintenance of the Hematopoietic Stem Cell Pool Size. Molecular and Cellular Biology, 2022, 42, MCB0002421.	2.3	3
2	USP10 inhibits the dopamine-induced reactive oxygen speciesâ€“dependent apoptosis of neuronal cells by stimulating the antioxidant Nrf2 activity. Journal of Biological Chemistry, 2022, 298, 101448.	3.4	9
3	USP10 Inhibits Aberrant Cytoplasmic Aggregation of TDP-43 by Promoting Stress Granule Clearance. Molecular and Cellular Biology, 2022, 42, MCB0039321.	2.3	9
4	Deficient Autophagy in Microglia Aggravates Repeated Social Defeat Stress-Induced Social Avoidance. Neural Plasticity, 2022, 2022, 1-13.	2.2	19
5	Considering the mechanism by which droplets of ALS-FTD-associated SQSTM1/p62 mutants cause pathology. , 2022, 1, 9-13.		1
6	Impaired GATE16-mediated exocytosis in exocrine tissues causes SjÃ¶grenâ€™s syndrome-like exocrinopathy. Cellular and Molecular Life Sciences, 2022, 79, 307.	5.4	4
7	Lack of hepatic autophagy promotes severity of liver injury but not steatosis. Journal of Hepatology, 2022, 77, 1458-1459.	3.7	4
8	Central role for p62/SQSTM1 in the elimination of toxic tau species in a mouse model of tauopathy. Aging Cell, 2022, 21, .	6.7	17
9	Human Î²-defensin-3 attenuates atopic dermatitisâ€“like inflammation through autophagy activation and the aryl hydrocarbon receptor signaling pathway. Journal of Clinical Investigation, 2022, 132, .	8.2	14
10	p62/SQSTM1-droplet serves as a platform for autophagosome formation and anti-oxidative stress response. Nature Communications, 2021, 12, 16.	12.8	137
11	p62/SQSTM1 droplets initiate autophagosome biogenesis and oxidative stress control. Molecular and Cellular Oncology, 2021, 8, 1890990.	0.7	5
12	A description of novel variants and review of phenotypic spectrum in UBA5-related early epileptic encephalopathy. Journal of Physical Education and Sports Management, 2021, 7, a005827.	1.2	15
13	Membrane perturbation by lipidated Atg8 underlies autophagosome biogenesis. Nature Structural and Molecular Biology, 2021, 28, 583-593.	8.2	51
14	Selective autophagy. Cancer Science, 2021, 112, 3972-3978.	3.9	27
15	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
16	Essential role of autophagy in protecting neonatal haematopoietic stem cells from oxidative stress in a p62-independent manner. Scientific Reports, 2021, 11, 1666.	3.3	12
17	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102	9.1	1,430
18	BHLHE41/DEC2 Expression Induces Autophagic Cell Death in Lung Cancer Cells and Is Associated with Favorable Prognosis for Patients with Lung Adenocarcinoma. International Journal of Molecular Sciences, 2021, 22, 11509.	4.1	3

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19	Phase-separated protein droplets of amyotrophic lateral sclerosis-associated p62/SQSTM1 mutants show reduced inner fluidity. Journal of Biological Chemistry, 2021, 297, 101405.	3.4	13
20	Loss of autophagy in chondrocytes causes severe growth retardation. Autophagy, 2020, 16, 501-511.	9.1	32
21	Physiological Stress Response by Selective Autophagy. Journal of Molecular Biology, 2020, 432, 53-62.	4.2	29
22	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
23	Monitoring Autophagy Flux and Activity: Principles and Applications. BioEssays, 2020, 42, e2000122.	2.5	45
24	Autophagic receptor p62 protects against glycationâ€derived toxicity and enhances viability. Aging Cell, 2020, 19, e13257.	6.7	27
25	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
26	<scp>NBR</scp> 1â€mediated p62â€liquid droplets enhance the Keap1â€Nrf2 system. EMBO Reports, 2020, 21, e48902.	4.5	107
27	A homozygous UBA5 pathogenic variant causes a fatal congenital neuropathy. Journal of Medical Genetics, 2020, 57, 835-842.	3.2	16
28	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
29	Heparan sulfate and clusterin: Cleaning squad for extracellular protein degradation. Journal of Cell Biology, 2020, 219, .	5.2	4
30	Loss of autophagy impairs physiological steatosis by accumulation of NCoR1. Life Science Alliance, 2020, 3, e201900513.	2.8	18
31	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
32	Hyperosmotic Stress Induces Unconventional Autophagy Independent of the Ulk1 Complex. Molecular and Cellular Biology, 2019, 39, .	2.3	10
33	Autophagy regulates lipid metabolism through selective turnover of NCoR1. Nature Communications, 2019, 10, 1567.	12.8	143
34	Measuring Nonselective and Selective Autophagy in the Liver. Methods in Molecular Biology, 2019, 1880, 535-540.	0.9	4
35	p62/<scp>SQSTM</scp>1: â€˜Jack of all tradesâ€™ in health and cancer. FEBS Journal, 2019, 286, 8-23.	4.7	189
36	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

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37	Loss of autophagy in dopaminergic neurons causes Lewy pathology and motor dysfunction in aged mice. Scientific Reports, 2018, 8, 2813.	3.3	85
38	Negative Regulation of the Keap1-Nrf2 Pathway by a p62/Sqstm1 Splicing Variant. Molecular and Cellular Biology, 2018, 38, .	2.3	63
39	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. Science Signaling, 2018, 11, .	3.6	51
40	Novel therapeutic strategy for cervical cancer harboring FGFR3-TACC3 fusions. Oncogenesis, 2018, 7, 4.	4.9	41
41	PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. Cancer Cell, 2018, 33, 355-367.e7.	16.8	121
42	Atg9adeficiency causes axon-specific lesions including neuronal circuit dysgenesis. Autophagy, 2018, 14, 764-777.	9.1	82
43	Trehalose protects against oxidative stress by regulating the Keap1â€“Nrf2 and autophagy pathways. Redox Biology, 2018, 15, 115-124.	9.0	169
44	USP10 Is a Driver of Ubiquitinated Protein Aggregation and Aggresome Formation to Inhibit Apoptosis. IScience, 2018, 9, 433-450.	4.1	32
45	p62/SQSTM1 â€“ steering the cell through health and disease. Journal of Cell Science, 2018, 131, .	2.0	214
46	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
47	Activation of p62/SQSTM1â€“Keap1â€“Nuclear Factor Erythroid 2-Related Factor 2 Pathway in Cancer. Frontiers in Oncology, 2018, 8, 210.	2.8	82
48	Biallelic UFM1 and UFC1 mutations expand the essential role of ufmylation in brain development. Brain, 2018, 141, 1934-1945.	7.6	70
49	Purkinje Cells Are More Vulnerable to the Specific Depletion of Cathepsin D Than to That of Atg7. American Journal of Pathology, 2017, 187, 1586-1600.	3.8	15
50	Linear ubiquitination of cytosolic Salmonella Typhimurium activates NF-Îºb and restricts bacterial proliferation. Nature Microbiology, 2017, 2, 17066.	13.3	145
51	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
52	A novel approach to assess the ubiquitinâ€fold modifier 1â€system in cells. FEBS Letters, 2017, 591, 196-204.	2.8	28
53	Autophagy in the liver: functions in health and disease. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 170-184.	17.8	384
54	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

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55	Autophagy-monitoring and autophagy-deficient mice. Autophagy, 2017, 13, 1619-1628.	9.1	248
56	L-leucine and SPNS1 coordinately ameliorate dysfunction of autophagy in mouse and human Niemann-Pick type C disease. Scientific Reports, 2017, 7, 15944.	3.3	19
57	Ohmyungsamycins promote antimicrobial responses through autophagy activation via AMP-activated protein kinase pathway. Scientific Reports, 2017, 7, 3431.	3.3	28
58	Abstract 529: The significance of activated PI3K/AKT pathway inFGFR3-TACC3fusion positive cervical cancer. , 2017, , .		0
59	Autophagy linked FYVE (Alfy/WDFY3) is required for establishing neuronal connectivity in the mammalian brain. ELife, 2016, 5, .	6.0	78
60	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
61	Development of Novel Inhibitors for Keap1-Nrf2 and Keap1-P62 Protein-Protein Interaction. Free Radical Biology and Medicine, 2016, 100, S76.	2.9	0
62	Novel Grb14-Mediated Cross Talk between Insulin and p62/Nrf2 Pathways Regulates Liver Lipogenesis and Selective Insulin Resistance. Molecular and Cellular Biology, 2016, 36, 2168-2181.	2.3	18
63	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
64	Regulation of the Keap1â€“Nrf2 pathway by p62/SQSTM1. Current Opinion in Toxicology, 2016, 1, 54-61.	5.0	124
65	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
66	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
67	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
68	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. Nature Communications, 2016, 7, 12030.	12.8	253
69	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
70	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
71	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
72	DNA damage response and sphingolipid signaling in liver diseases. Surgery Today, 2016, 46, 995-1005.	1.5	30

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73	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
74	Inhibition of Glutaminolysis Inhibits Cell Growth via Down-regulating Mtorc1 Signaling in Lung Squamous Cell Carcinoma. Anticancer Research, 2016, 36, 6021-6030.	1.1	9
75	Autophagy is induced upon platelet activation and is essential for hemostasis and thrombosis. Blood, 2015, 126, 1224-1233.	1.4	106
76	Mitochondrial Complexes I and II Are More Susceptible to Autophagy Deficiency in Mouse Î²-Cells. Endocrinology and Metabolism, 2015, 30, 65.	3.0	4
77	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
78	The unexpected role of polyubiquitin chains in the formation of fibrillar aggregates. Nature Communications, 2015, 6, 6116.	12.8	75
79	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
80	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
81	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
82	Sqstm1-GFP knock-in mice reveal dynamic actions of Sqstm1 during autophagy and under stress conditions in living cells. Journal of Cell Science, 2015, 128, 4453-61.	2.0	9
83	p62/<scp>SQSTM</scp>1 functions as a signaling hub and an autophagy adaptor. FEBS Journal, 2015, 282, 4672-4678.	4.7	626
84	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
85	A treadmill exercise reactivates the signaling of the mammalian target of rapamycin (mTor) in the skeletal muscles of starved mice. Biochemical and Biophysical Research Communications, 2015, 456, 519-526.	2.1	16
86	Amyloidogenic peptide oligomer accumulation in autophagy-deficient Î² cells induces diabetes. Journal of Clinical Investigation, 2014, 124, 3311-3324.	8.2	138
87	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
88	LC3B is indispensable for selective autophagy of p62 but not basal autophagy. Biochemical and Biophysical Research Communications, 2014, 446, 309-315.	2.1	52
89	Atg5 regulates late endosome and lysosome biogenesis. Science China Life Sciences, 2014, 57, 59-68.	4.9	24
90	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

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91	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
92	Modification of ASC1 by UFM1 Is Crucial for ERÎ± Transactivation and Breast Cancer Development. Molecular Cell, 2014, 56, 261-274.	9.7	156
93	Systemic autophagy insufficiency compromises adaptation to metabolic stress and facilitates progression from obesity to diabetes. Nature Communications, 2014, 5, 4934.	12.8	156
94	Ubiquitylation of Autophagy Receptor Optineurin by HACE1 Activates Selective Autophagy for Tumor Suppression. Cancer Cell, 2014, 26, 106-120.	16.8	198
95	Proteasome Dysfunction Activates Autophagy and the Keap1-Nrf2 Pathway. Journal of Biological Chemistry, 2014, 289, 24944-24955.	3.4	95
96	Transient increase in proteinuria, poly-ubiquitylated proteins and ER stress markers in podocyte-specific autophagy-deficient mice following unilateral nephrectomy. Biochemical and Biophysical Research Communications, 2014, 446, 1190-1196.	2.1	19
97	Dissection of the role of p62/Sqstm1 in activation of Nrf2 during xenophagy. FEBS Letters, 2014, 588, 822-828.	2.8	62
98	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
99	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
100	Autophagy regulates endothelial cell processing, maturation and secretion of von Willebrand factor. Nature Medicine, 2013, 19, 1281-1287.	30.7	212
101	Endogenous Nitrated Nucleotide Is a Key Mediator of Autophagy and Innate Defense against Bacteria. Molecular Cell, 2013, 52, 794-804.	9.7	96
102	Autophagy Regulates Phagocytosis by Modulating the Expression of Scavenger Receptors. Immunity, 2013, 39, 537-547.	14.3	164
103	Phosphorylation of p62 Activates the Keap1-Nrf2 Pathway during Selective Autophagy. Molecular Cell, 2013, 51, 618-631.	9.7	880
104	Selective Autophagy and Cancer. , 2013, , 113-125.		0
105	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
106	Suppression of Autophagy in Osteocytes Mimics Skeletal Aging. Journal of Biological Chemistry, 2013, 288, 17432-17440.	3.4	165
107	Functions of autophagy in normal and diseased liver. Autophagy, 2013, 9, 1131-1158.	9.1	384
108	Selective Types of Autophagy. International Journal of Cell Biology, 2012, 2012, 1-2.	2.5	51

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109	Motor Neuron-specific Disruption of Proteasomes, but Not Autophagy, Replicates Amyotrophic Lateral Sclerosis. Journal of Biological Chemistry, 2012, 287, 42984-42994.	3.4	162
110	GENETIC MOUSE MODELS FOR ELUCIDATION OF AUTOPHAGY-LYSOSOMAL SYSTEMS IN NEURONS UNDER PHYSIOLOGIC AND PATHOLOGIC CONDITIONS. , 2012, , 175-203.		1
111	Role of Hypothalamic Proopiomelanocortin Neuron Autophagy in the Control of Appetite and Leptin Response. Endocrinology, 2012, 153, 1817-1826.	2.8	95
112	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
113	PINK1 autophosphorylation upon membrane potential dissipation is essential for Parkin recruitment to damaged mitochondria. Nature Communications, 2012, 3, 1016.	12.8	465
114	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
115	Autophagy: More Than a Nonselective Pathway. International Journal of Cell Biology, 2012, 2012, 1-18.	2.5	128
116	p62/SQSTM1/A170: Physiology and pathology. Pharmacological Research, 2012, 66, 457-462.	7.1	247
117	Impaired G1-Arrest, Autophagy, and Apoptosis in Atg7 -Knockout Mice. Circulation Research, 2012, 111, 962-964.	4.5	6
118	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
119	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
120	Loss of Autophagy in Pro-opiomelanocortin Neurons Perturbs Axon Growth and Causes Metabolic Dysregulation. Cell Metabolism, 2012, 15, 247-255.	16.2	149
121	Receptor protein complexes are in control of autophagy. Autophagy, 2012, 8, 1701-1705.	9.1	77
122	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
123	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
124	Autophagy in proximal tubules protects against acute kidney injury. Kidney International, 2012, 82, 1271-1283.	5.2	405
125	Liver autophagy: physiology and pathology. Journal of Biochemistry, 2012, 152, 5-15.	1.7	54
126	Macroautophagy deficiency mediates age-dependent neurodegeneration through a phospho-tau pathway. Molecular Neurodegeneration, 2012, 7, 48.	10.8	150

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127	Autophagy Induced by Calcium Phosphate Precipitates Involves Endoplasmic Reticulum Membranes in Autophagosome Biogenesis. PLoS ONE, 2012, 7, e52347.	2.5	36
128	Loss of autophagy promotes murine acetaminophen hepatotoxicity. Journal of Gastroenterology, 2012, 47, 433-443.	5.1	62
129	Suppression of autophagy sensitizes Kupffer cells to endotoxin. Hepatology Research, 2012, 42, 1112-1118.	3.4	22
130	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
131	LOSS OF AUTOPHAGY ENHANCES DIETHYLNITROSAMINE-INDUCED LIVER INJURY. Juntendoì„ Igaku, 2012, 58, 319-324.	0.1	0
132	Persistent activation of Nrf2 through p62 in hepatocellular carcinoma cells. Journal of Cell Biology, 2011, 193, 275-284.	5.2	520
133	Crucial role for autophagy in degranulation of mast cells. Journal of Allergy and Clinical Immunology, 2011, 127, 1267-1276.e6.	2.9	120
134	Autophagy-deficient mice develop multiple liver tumors. Genes and Development, 2011, 25, 795-800.	5.9	1,094
135	Autophagy in the intestinal epithelium reduces endotoxin-induced inflammatory responses by inhibiting NF-ÎºB activation. Archives of Biochemistry and Biophysics, 2011, 506, 223-235.	3.0	79
136	Autophagy: Renovation of Cells and Tissues. Cell, 2011, 147, 728-741.	28.9	4,844
137	Inducible disruption of autophagy in the lung causes airway hyper-responsiveness. Biochemical and Biophysical Research Communications, 2011, 405, 13-18.	2.1	41
138	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
139	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
140	Pathophysiological Role of Autophagy: Lesson from Autophagy-Deficient Mouse Models. Experimental Animals, 2011, 60, 329-345.	1.1	40
141	Potential role of p62 in tumor development. Autophagy, 2011, 7, 1088-1090.	9.1	54
142	The Ufm1-activating enzyme Uba5 is indispensable for erythroid differentiation in mice. Nature Communications, 2011, 2, 181.	12.8	124
143	Liver autophagy contributes to the maintenance of blood glucose and amino acid levels. Autophagy, 2011, 7, 727-736.	9.1	233
144	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

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145	Akt Suppresses Retrograde Degeneration of Dopaminergic Axons by Inhibition of Macroautophagy. Journal of Neuroscience, 2011, 31, 2125-2135.	3.6	126
146	Structure of Ubiquitin-fold Modifier 1-specific Protease UfSP2. Journal of Biological Chemistry, 2011, 286, 10248-10257.	3.4	47
147	Mechanisms of necroptosis in T cells. Journal of Experimental Medicine, 2011, 208, 633-641.	8.5	190
148	Persistent activation of Nrf2 through p62 in hepatocellular carcinoma cells. Journal of Experimental Medicine, 2011, 208, i12-i12.	8.5	1
149	Selective degradation of p62 by autophagy. Seminars in Immunopathology, 2010, 32, 431-436.	6.1	216
150	Physiological significance of selective degradation of p62 by autophagy. FEBS Letters, 2010, 584, 1374-1378.	2.8	439
151	p62/SQSTM1 cooperates with Parkin for perinuclear clustering of depolarized mitochondria. Genes To Cells, 2010, 15, 887-900.	1.2	345
152	MBSJ MCC Young Scientist Award 2009â€¨REVIEW: Selective autophagy regulates various cellular functions. Genes To Cells, 2010, 15, 923-933.	1.2	136
153	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
154	Human IRGM regulates autophagy and cell-autonomous immunity functions through mitochondria. Nature Cell Biology, 2010, 12, 1154-1165.	10.3	228
155	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
156	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
157	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
158	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
159	Suppression of autophagy permits successful enzyme replacement therapy in a lysosomal storage disorderâ€”murine Pompe disease. Autophagy, 2010, 6, 1078-1089.	9.1	140
160	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
161	A Novel Type of E3 Ligase for the Ufm1 Conjugation System. Journal of Biological Chemistry, 2010, 285, 5417-5427.	3.4	176
162	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

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163	Autophagy Is Essential for Mitochondrial Clearance in Mature T Lymphocytes. Journal of Immunology, 2009, 182, 4046-4055.	0.8	372
164	Chapter 9 Biochemical and Morphological Detection of Inclusion Bodies in Autophagyâ€Deficient Mice. Methods in Enzymology, 2009, 453, 181-196.	1.0	39
165	Chapter 14 Method for Monitoring Pexophagy in Mammalian Cells. Methods in Enzymology, 2009, 452, 215-226.	1.0	7
166	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
167	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
168	Autophagy regulates lipid metabolism. Nature, 2009, 458, 1131-1135.	27.8	3,149
169	Discovery of Atg5/Atg7-independent alternative macroautophagy. Nature, 2009, 461, 654-658.	27.8	949
170	Autophagy Is Required to Maintain Muscle Mass. Cell Metabolism, 2009, 10, 507-515.	16.2	1,554
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