

Masaaki Komatsu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

204
papers

49,994
citations

86
h-index

215
g-index

215
ext. papers

57,085
ext. citations

10.1
avg, IF

7.4
L-index

#	Paper	IF	Citations
204	USP10 inhibits aberrant cytoplasmic aggregation of TDP-43 by promoting stress granule clearance.. <i>Molecular and Cellular Biology</i> , 2022 , MCB0039321	4.8	0
203	Deficient Autophagy in Microglia Aggravates Repeated Social Defeat Stress-Induced Social Avoidance.. <i>Neural Plasticity</i> , 2022 , 2022, 7503553	3.3	4
202	Considering the mechanism by which droplets of ALS-FTD-associated SQSTM1/p62 mutants cause pathology 2022 , 1, 9-13		
201	Impaired GATE16-mediated exocytosis in exocrine tissues causes Sjögren's syndrome-like exocrinopathy.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 307	10.3	0
200	Loss of and impairs the maintenance of the hematopoietic stem cell pool size. <i>Molecular and Cellular Biology</i> , 2021 , MCB0002421	4.8	1
199	USP10 inhibits the dopamine-induced reactive oxygen species-dependent apoptosis of neuronal cells by stimulating the antioxidant Nrf2 activity. <i>Journal of Biological Chemistry</i> , 2021 , 101448	5.4	1
198	Phase-separated protein droplets of amyotrophic lateral sclerosis-associated p62/SQSTM1 mutants show reduced inner fluidity. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101405	5.4	1
197	BHLHE41/DEC2 Expression Induces Autophagic Cell Death in Lung Cancer Cells and Is Associated with Favorable Prognosis for Patients with Lung Adenocarcinoma. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
196	p62/SQSTM1 droplets initiate autophagosome biogenesis and oxidative stress control. <i>Molecular and Cellular Oncology</i> , 2021 , 8, 1890990	1.2	3
195	A description of novel variants and review of phenotypic spectrum in -related early epileptic encephalopathy. <i>Journal of Physical Education and Sports Management</i> , 2021 , 7,	2.8	1
194	p62/SQSTM1-droplet serves as a platform for autophagosome formation and anti-oxidative stress response. <i>Nature Communications</i> , 2021 , 12, 16	17.4	46
193	Membrane perturbation by lipidated Atg8 underlies autophagosome biogenesis. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 583-593	17.6	9
192	Selective autophagy. <i>Cancer Science</i> , 2021 , 112, 3972-3978	6.9	7
191	Mitochondrial reactive oxygen species trigger metformin-dependent antitumor immunity via activation of Nrf2/mTORC1/p62 axis in tumor-infiltrating CD8T lymphocytes 2021 , 9,		8
190	Essential role of autophagy in protecting neonatal haematopoietic stem cells from oxidative stress in a p62-independent manner. <i>Scientific Reports</i> , 2021 , 11, 1666	4.9	5
189	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
188	Autophagic receptor p62 protects against glycation-derived toxicity and enhances viability. <i>Aging Cell</i> , 2020 , 19, e13257	9.9	14

187	Inhibitors of the protein-protein interaction between phosphorylated p62 and Keap1 attenuate chemoresistance in a human hepatocellular carcinoma cell line. <i>Free Radical Research</i> , 2020 , 54, 859-871	4	14
186	NBR1-mediated p62-liquid droplets enhance the Keap1-Nrf2 system. <i>EMBO Reports</i> , 2020 , 21, e48902	6.5	43
185	A homozygous pathogenic variant causes a fatal congenital neuropathy. <i>Journal of Medical Genetics</i> , 2020 , 57, 835-842	5.8	4
184	Loss of autophagy impairs physiological steatosis by accumulation of NCoR1. <i>Life Science Alliance</i> , 2020 , 3,	5.8	10
183	LC3 lipidation is essential for TFEB activation during the lysosomal damage response to kidney injury. <i>Nature Cell Biology</i> , 2020 , 22, 1252-1263	23.4	42
182	Heparan sulfate and clusterin: Cleaning squad for extracellular protein degradation. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	3
181	Monitoring Autophagy Flux and Activity: Principles and Applications. <i>BioEssays</i> , 2020 , 42, e2000122	4.1	14
180	Loss of autophagy in chondrocytes causes severe growth retardation. <i>Autophagy</i> , 2020 , 16, 501-511	10.2	20
179	Physiological Stress Response by Selective Autophagy. <i>Journal of Molecular Biology</i> , 2020 , 432, 53-62	6.5	17
178	An atypical LIR motif within UBA5 (ubiquitin like modifier activating enzyme 5) interacts with GABARAP proteins and mediates membrane localization of UBA5. <i>Autophagy</i> , 2020 , 16, 256-270	10.2	16
177	Autophagy attenuates tubulointerstitial fibrosis through regulating transforming growth factor- β and NLRP3 inflammasome signaling pathway. <i>Cell Death and Disease</i> , 2019 , 10, 78	9.8	42
176	Hyperosmotic Stress Induces Unconventional Autophagy Independent of the Ulk1 Complex. <i>Molecular and Cellular Biology</i> , 2019 , 39,	4.8	7
175	Autophagy regulates lipid metabolism through selective turnover of NCoR1. <i>Nature Communications</i> , 2019 , 10, 1567	17.4	80
174	Measuring Nonselective and Selective Autophagy in the Liver. <i>Methods in Molecular Biology</i> , 2019 , 1880, 535-540	1.4	3
173	p62/SQSTM1: Tack of all tradesTin health and cancer. <i>FEBS Journal</i> , 2019 , 286, 8-23	5.7	102
172	Attenuation of cGAS-STING signaling is mediated by a p62/SQSTM1-dependent autophagy pathway activated by TBK1. <i>EMBO Journal</i> , 2018 , 37,	13	152
171	Loss of autophagy in dopaminergic neurons causes Lewy pathology and motor dysfunction in aged mice. <i>Scientific Reports</i> , 2018 , 8, 2813	4.9	63
170	Negative Regulation of the Keap1-Nrf2 Pathway by a p62/Sqstm1 Splicing Variant. <i>Molecular and Cellular Biology</i> , 2018 , 38,	4.8	37

169	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. <i>Science Signaling</i> , 2018 , 11,	8.8	40
168	Novel therapeutic strategy for cervical cancer harboring FGFR3-TACC3 fusions. <i>Oncogenesis</i> , 2018 , 7, 4	6.6	30
167	PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth. <i>Cancer Cell</i> , 2018 , 33, 355-367.e7	24.3	73
166	Atg9a deficiency causes axon-specific lesions including neuronal circuit dysgenesis. <i>Autophagy</i> , 2018 , 14, 764-777	10.2	49
165	Trehalose protects against oxidative stress by regulating the Keap1-Nrf2 and autophagy pathways. <i>Redox Biology</i> , 2018 , 15, 115-124	11.3	105
164	Activation of p62/SQSTM1-Keap1-Nuclear Factor Erythroid 2-Related Factor 2 Pathway in Cancer. <i>Frontiers in Oncology</i> , 2018 , 8, 210	5.3	55
163	Biallelic UFM1 and UFC1 mutations expand the essential role of ufmylation in brain development. <i>Brain</i> , 2018 , 141, 1934-1945	11.2	34
162	USP10 Is a Driver of Ubiquitinated Protein Aggregation and Aggresome Formation to Inhibit Apoptosis. <i>iScience</i> , 2018 , 9, 433-450	6.1	17
161	p62/SQSTM1 - steering the cell through health and disease. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	137
160	Deletion of exons encoding carboxypeptidase domain of Nna1 results in Purkinje cell degeneration (pcd) phenotype. <i>Journal of Neurochemistry</i> , 2018 , 147, 557-572	6	12
159	Purkinje Cells Are More Vulnerable to the Specific Depletion of Cathepsin D Than to That of Atg7. <i>American Journal of Pathology</i> , 2017 , 187, 1586-1600	5.8	9
158	Linear ubiquitination of cytosolic Salmonella Typhimurium activates NF- κ B and restricts bacterial proliferation. <i>Nature Microbiology</i> , 2017 , 2, 17066	26.6	101
157	Ubiquitylation of p62/sequestosome1 activates its autophagy receptor function and controls selective autophagy upon ubiquitin stress. <i>Cell Research</i> , 2017 , 27, 657-674	24.7	96
156	A novel approach to assess the ubiquitin-fold modifier 1-system in cells. <i>FEBS Letters</i> , 2017 , 591, 196-204,8	5.8	13
155	Autophagy in the liver: functions in health and disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017 , 14, 170-184	24.2	244
154	Discovery of benzo[g]indoles as a novel class of non-covalent Keap1-Nrf2 protein-protein interaction inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 5006-5009	2.9	20
153	Autophagy-monitoring and autophagy-deficient mice. <i>Autophagy</i> , 2017 , 13, 1619-1628	10.2	177
152	L-leucine and SPNS1 coordinately ameliorate dysfunction of autophagy in mouse and human Niemann-Pick type C disease. <i>Scientific Reports</i> , 2017 , 7, 15944	4.9	14

151	Ohmyungsamycins promote antimicrobial responses through autophagy activation via AMP-activated protein kinase pathway. <i>Scientific Reports</i> , 2017 , 7, 3431	4.9	24
150	Biallelic Variants in UBA5 Link Dysfunctional UFM1-Ubiquitin-like Modifier Pathway to Severe Infantile-Onset Encephalopathy. <i>American Journal of Human Genetics</i> , 2016 , 99, 683-694	11	43
149	Ezetimibe, an NPC1L1 inhibitor, is a potent Nrf2 activator that protects mice from diet-induced nonalcoholic steatohepatitis. <i>Free Radical Biology and Medicine</i> , 2016 , 99, 520-532	7.8	47
148	Synthesis of Keap1-phosphorylated p62 and Keap1-Nrf2 protein-protein interaction inhibitors and their inhibitory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 5956-5959	2.9	30
147	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. <i>Nature Communications</i> , 2016 , 7, 12030	17.4	180
146	Autophagy is involved in regulating influenza A virus RNA and protein synthesis associated with both modulation of Hsp90 induction and mTOR/p70S6K signaling pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 72, 100-108	5.6	37
145	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
144	Megalin-Mediated Tubuloglomerular Alterations in High-Fat Diet-Induced Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 1996-2008	12.7	63
143	DNA damage response and sphingolipid signaling in liver diseases. <i>Surgery Today</i> , 2016 , 46, 995-1005	3	25
142	Increased hepatic receptor interacting protein kinase 3 expression due to impaired proteasomal functions contributes to alcohol-induced steatosis and liver injury. <i>Oncotarget</i> , 2016 , 7, 17681-98	3.3	61
141	Inhibition of Glutaminolysis Inhibits Cell Growth via Down-regulating Mtorc1 Signaling in Lung Squamous Cell Carcinoma. <i>Anticancer Research</i> , 2016 , 36, 6021-6029	2.3	7
140	Autophagy linked FYVE (Alfy/WDFY3) is required for establishing neuronal connectivity in the mammalian brain. <i>ELife</i> , 2016 , 5,	8.9	53
139	Sequestosome 1/p62 Protein Is Associated with Autophagic Removal of Excess Hepatic Endoplasmic Reticulum in Mice. <i>Journal of Biological Chemistry</i> , 2016 , 291, 18663-74	5.4	47
138	Novel Grb14-Mediated Cross Talk between Insulin and p62/Nrf2 Pathways Regulates Liver Lipogenesis and Selective Insulin Resistance. <i>Molecular and Cellular Biology</i> , 2016 , 36, 2168-81	4.8	12
137	Structural and Functional Analysis of a Novel Interaction Motif within UFM1-activating Enzyme 5 (UBA5) Required for Binding to Ubiquitin-like Proteins and Ufmylation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 9025-41	5.4	42
136	Regulation of the Keap1-Nrf2 pathway by p62/SQSTM1. <i>Current Opinion in Toxicology</i> , 2016 , 1, 54-61	4.4	86
135	The unexpected role of polyubiquitin chains in the formation of fibrillar aggregates. <i>Nature Communications</i> , 2015 , 6, 6116	17.4	53
134	Autophagy Protects against Colitis by the Maintenance of Normal Gut Microflora and Secretion of Mucus. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20511-26	5.4	51

133	Proteotoxic stress induces phosphorylation of p62/SQSTM1 by ULK1 to regulate selective autophagic clearance of protein aggregates. <i>PLoS Genetics</i> , 2015 , 11, e1004987	6	178
132	Ubiquitin systems mark pathogen-containing vacuoles as targets for host defense by guanylate binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E5628-37	11.5	109
131	Sqstm1-GFP knock-in mice reveal dynamic actions of Sqstm1 during autophagy and under stress conditions in living cells. <i>Journal of Cell Science</i> , 2015 , 128, 4453-61	5.3	8
130	p62/SQSTM1 functions as a signaling hub and an autophagy adaptor. <i>FEBS Journal</i> , 2015 , 282, 4672-8	5.7	436
129	Autophagy regulates hepatocyte identity and epithelial-to-mesenchymal and mesenchymal-to-epithelial transitions promoting Snail degradation. <i>Cell Death and Disease</i> , 2015 , 6, e1880	8.8	76
128	A treadmill exercise reactivates the signaling of the mammalian target of rapamycin (mTor) in the skeletal muscles of starved mice. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 456, 519-24	2.4	14
127	Autophagy is induced upon platelet activation and is essential for hemostasis and thrombosis. <i>Blood</i> , 2015 , 126, 1224-33	2.2	81
126	Mitochondrial Complexes I and II Are More Susceptible to Autophagy Deficiency in Mouse ECells. <i>Endocrinology and Metabolism</i> , 2015 , 30, 65-70	3.5	4
125	The significant role of autophagy in the granular layer in normal skin differentiation and hair growth. <i>Archives of Dermatological Research</i> , 2015 , 307, 159-69	3.3	33
124	Structural determinants in GABARAP required for the selective binding and recruitment of ALFY to LC3B-positive structures. <i>EMBO Reports</i> , 2014 , 15, 557-65	6.5	76
123	PARK2/Parkin-mediated mitochondrial clearance contributes to proteasome activation during slow-twitch muscle atrophy via NFE2L1 nuclear translocation. <i>Autophagy</i> , 2014 , 10, 631-41	10.2	38
122	Modification of ASC1 by UFM1 is crucial for ER transactivation and breast cancer development. <i>Molecular Cell</i> , 2014 , 56, 261-274	17.6	104
121	Systemic autophagy insufficiency compromises adaptation to metabolic stress and facilitates progression from obesity to diabetes. <i>Nature Communications</i> , 2014 , 5, 4934	17.4	126
120	Ubiquitylation of autophagy receptor Optineurin by HACE1 activates selective autophagy for tumor suppression. <i>Cancer Cell</i> , 2014 , 26, 106-20	24.3	156
119	Proteasome dysfunction activates autophagy and the Keap1-Nrf2 pathway. <i>Journal of Biological Chemistry</i> , 2014 , 289, 24944-55	5.4	79
118	Transient increase in proteinuria, poly-ubiquitylated proteins and ER stress markers in podocyte-specific autophagy-deficient mice following unilateral nephrectomy. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 1190-6	3.4	16
117	Dissection of the role of p62/Sqstm1 in activation of Nrf2 during xenophagy. <i>FEBS Letters</i> , 2014 , 588, 822-8	3.8	53
116	Amyloidogenic peptide oligomer accumulation in autophagy-deficient β cells induces diabetes. <i>Journal of Clinical Investigation</i> , 2014 , 124, 3311-24	15.9	112

115	A cluster of thin tubular structures mediates transformation of the endoplasmic reticulum to autophagic isolation membrane. <i>Molecular and Cellular Biology</i> , 2014 , 34, 1695-706	4.8	89
114	LC3B is indispensable for selective autophagy of p62 but not basal autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 309-15	3.4	41
113	Atg5 regulates late endosome and lysosome biogenesis. <i>Science China Life Sciences</i> , 2014 , 57, 59-68	8.5	19
112	Induction of Covalently Crosslinked p62 Oligomers with Reduced Binding to Polyubiquitinated Proteins by the Autophagy Inhibitor Verteporfin. <i>PLoS ONE</i> , 2014 , 9, e114964	3.7	49
111	Intermittent-hypoxia induced autophagy attenuates contractile dysfunction and myocardial injury in rat heart. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 1159-66	6.9	45
110	Autophagy regulates endothelial cell processing, maturation and secretion of von Willebrand factor. <i>Nature Medicine</i> , 2013 , 19, 1281-7	50.5	167
109	Endogenous nitrated nucleotide is a key mediator of autophagy and innate defense against bacteria. <i>Molecular Cell</i> , 2013 , 52, 794-804	17.6	72
108	Autophagy regulates phagocytosis by modulating the expression of scavenger receptors. <i>Immunity</i> , 2013 , 39, 537-47	32.3	126
107	Phosphorylation of p62 activates the Keap1-Nrf2 pathway during selective autophagy. <i>Molecular Cell</i> , 2013 , 51, 618-31	17.6	664
106	Selective Autophagy and Cancer 2013 , 113-125		
105	Autophagy deficiency leads to protection from obesity and insulin resistance by inducing Fgf21 as a mitokine. <i>Nature Medicine</i> , 2013 , 19, 83-92	50.5	542
104	Suppression of autophagy in osteocytes mimics skeletal aging. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17432-40	5.4	129
103	Functions of autophagy in normal and diseased liver. <i>Autophagy</i> , 2013 , 9, 1131-58	10.2	321
102	Suppression of autophagy sensitizes Kupffer cells to endotoxin. <i>Hepatology Research</i> , 2012 , 42, 1112-8	5.1	18
101	Autophagy deficiency in beta cells leads to compromised unfolded protein response and progression from obesity to diabetes in mice. <i>Diabetologia</i> , 2012 , 55, 392-403	10.3	130
100	p62/SQSTM1/A170: physiology and pathology. <i>Pharmacological Research</i> , 2012 , 66, 457-62	10.2	212
99	Impaired G1-arrest, autophagy, and apoptosis in Atg7-knockout mice. <i>Circulation Research</i> , 2012 , 111, 962-4	15.7	5
98	Keap1 degradation by autophagy for the maintenance of redox homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 13561-6	11.5	318

97	Disrupted autophagy leads to dopaminergic axon and dendrite degeneration and promotes presynaptic accumulation of β -synuclein and LRRK2 in the brain. <i>Journal of Neuroscience</i> , 2012 , 32, 7585-93	6.6	207
96	Loss of autophagy in pro-opiomelanocortin neurons perturbs axon growth and causes metabolic dysregulation. <i>Cell Metabolism</i> , 2012 , 15, 247-55	24.6	119
95	Receptor protein complexes are in control of autophagy. <i>Autophagy</i> , 2012 , 8, 1701-5	10.2	66
94	Impaired autophagy in neurons after disinhibition of mammalian target of rapamycin and its contribution to epileptogenesis. <i>Journal of Neuroscience</i> , 2012 , 32, 15704-14	6.6	100
93	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	278.2	2783
92	Autophagy in proximal tubules protects against acute kidney injury. <i>Kidney International</i> , 2012 , 82, 1271-83	9.9	323
91	Liver autophagy: physiology and pathology. <i>Journal of Biochemistry</i> , 2012 , 152, 5-15	3.1	48
90	Macroautophagy deficiency mediates age-dependent neurodegeneration through a phospho-tau pathway. <i>Molecular Neurodegeneration</i> , 2012 , 7, 48	19	111
89	Autophagy induced by calcium phosphate precipitates involves endoplasmic reticulum membranes in autophagosome biogenesis. <i>PLoS ONE</i> , 2012 , 7, e52347	3.7	30
88	Loss of autophagy promotes murine acetaminophen hepatotoxicity. <i>Journal of Gastroenterology</i> , 2012 , 47, 433-43	6.9	56
87	Selective types of autophagy. <i>International Journal of Cell Biology</i> , 2012 , 2012, 156272	2.6	37
86	Motor neuron-specific disruption of proteasomes, but not autophagy, replicates amyotrophic lateral sclerosis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 42984-94	5.4	141
85	GENETIC MOUSE MODELS FOR ELUCIDATION OF AUTOPHAGY-LYSOSOMAL SYSTEMS IN NEURONS UNDER PHYSIOLOGIC AND PATHOLOGIC CONDITIONS 2012 , 175-203		
84	Role of hypothalamic proopiomelanocortin neuron autophagy in the control of appetite and leptin response. <i>Endocrinology</i> , 2012 , 153, 1817-26	4.8	81
83	The FAP motif within human ATG7, an autophagy-related E1-like enzyme, is essential for the E2-substrate reaction of LC3 lipidation. <i>Autophagy</i> , 2012 , 8, 88-97	10.2	37
82	PINK1 autophosphorylation upon membrane potential dissipation is essential for Parkin recruitment to damaged mitochondria. <i>Nature Communications</i> , 2012 , 3, 1016	17.4	323
81	Transient aggregation of ubiquitinated proteins is a cytosolic unfolded protein response to inflammation and endoplasmic reticulum stress. <i>Journal of Biological Chemistry</i> , 2012 , 287, 19687-98	5.4	72
80	Autophagy: more than a nonselective pathway. <i>International Journal of Cell Biology</i> , 2012 , 2012, 219625	2.6	107

79	LOSS OF AUTOPHAGY ENHANCES DIETHYLNITROSAMINE-INDUCED LIVER INJURY. <i>Juntendo Igaku</i> , 2012 , 58, 319-324	1	
78	Crucial role for autophagy in degranulation of mast cells. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 1267-76.e6	11.5	96
77	Autophagy-deficient mice develop multiple liver tumors. <i>Genes and Development</i> , 2011 , 25, 795-800	12.6	918
76	Autophagy in the intestinal epithelium reduces endotoxin-induced inflammatory responses by inhibiting NF- κ B activation. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 506, 223-35	4.1	70
75	Autophagy: renovation of cells and tissues. <i>Cell</i> , 2011 , 147, 728-41	56.2	3651
74	Inducible disruption of autophagy in the lung causes airway hyper-responsiveness. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 405, 13-8	3.4	35
73	Autophagy is involved in anti-viral activity of pentagalloylglucose (PGG) against Herpes simplex virus type 1 infection in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 405, 186-91	3.4	32
72	Crystal structure of the ubiquitin-associated (UBA) domain of p62 and its interaction with ubiquitin. <i>Journal of Biological Chemistry</i> , 2011 , 286, 31864-74	5.4	79
71	Pathophysiological role of autophagy: lesson from autophagy-deficient mouse models. <i>Experimental Animals</i> , 2011 , 60, 329-45	1.8	35
70	Persistent activation of Nrf2 through p62 in hepatocellular carcinoma cells. <i>Journal of Cell Biology</i> , 2011 , 193, 275-84	7.3	452
69	Potential role of p62 in tumor development. <i>Autophagy</i> , 2011 , 7, 1088-90	10.2	49
68	The Ufm1-activating enzyme Uba5 is indispensable for erythroid differentiation in mice. <i>Nature Communications</i> , 2011 , 2, 181	17.4	85
67	Liver autophagy contributes to the maintenance of blood glucose and amino acid levels. <i>Autophagy</i> , 2011 , 7, 727-36	10.2	194
66	Distinct mechanisms of ferritin delivery to lysosomes in iron-depleted and iron-replete cells. <i>Molecular and Cellular Biology</i> , 2011 , 31, 2040-52	4.8	151
65	Akt suppresses retrograde degeneration of dopaminergic axons by inhibition of macroautophagy. <i>Journal of Neuroscience</i> , 2011 , 31, 2125-35	6.6	111
64	Structure of ubiquitin-fold modifier 1-specific protease UfSP2. <i>Journal of Biological Chemistry</i> , 2011 , 286, 10248-57	5.4	35
63	Mechanisms of necroptosis in T cells. <i>Journal of Experimental Medicine</i> , 2011 , 208, 633-41	16.6	167
62	Persistent activation of Nrf2 through p62 in hepatocellular carcinoma cells. <i>Journal of Experimental Medicine</i> , 2011 , 208, i12-i12	16.6	1

61	p62/SQSTM1 cooperates with Parkin for perinuclear clustering of depolarized mitochondria. <i>Genes To Cells</i> , 2010 , 15, 887-900	2.3	299
60	Selective autophagy regulates various cellular functions. <i>Genes To Cells</i> , 2010 , 15, 923-33	2.3	121
59	The selective autophagy substrate p62 activates the stress responsive transcription factor Nrf2 through inactivation of Keap1. <i>Nature Cell Biology</i> , 2010 , 12, 213-23	23.4	1540
58	Human IRGM regulates autophagy and cell-autonomous immunity functions through mitochondria. <i>Nature Cell Biology</i> , 2010 , 12, 1154-65	23.4	186
57	The CD40-autophagy pathway is needed for host protection despite IFN- β -dependent immunity and CD40 induces autophagy via control of P21 levels. <i>PLoS ONE</i> , 2010 , 5, e14472	3.7	52
56	PAC1 gene knockout reveals an essential role of chaperone-mediated 20S proteasome biogenesis and latent 20S proteasomes in cellular homeostasis. <i>Molecular and Cellular Biology</i> , 2010 , 30, 3864-74	4.8	28
55	Loss of autophagy in erythroid cells leads to defective removal of mitochondria and severe anemia in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 832-7	11.5	285
54	PINK1 stabilized by mitochondrial depolarization recruits Parkin to damaged mitochondria and activates latent Parkin for mitophagy. <i>Journal of Cell Biology</i> , 2010 , 189, 211-21	7.3	1299
53	Suppression of autophagy permits successful enzyme replacement therapy in a lysosomal storage disorder--murine Pompe disease. <i>Autophagy</i> , 2010 , 6, 1078-89	10.2	115
52	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. <i>Journal of Cell Biology</i> , 2010 , 191, 537-52	7.3	137
51	A novel type of E3 ligase for the Ufm1 conjugation system. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5417-27	5.4	122
50	Selective degradation of p62 by autophagy. <i>Seminars in Immunopathology</i> , 2010 , 32, 431-6	12	195
49	Physiological significance of selective degradation of p62 by autophagy. <i>FEBS Letters</i> , 2010 , 584, 1374-83	3.8	392
48	Adipose-specific deletion of autophagy-related gene 7 (atg7) in mice reveals a role in adipogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19860-5	11.5	489
47	Autophagy is essential for mitochondrial clearance in mature T lymphocytes. <i>Journal of Immunology</i> , 2009 , 182, 4046-55	5.3	323
46	Biochemical and morphological detection of inclusion bodies in autophagy-deficient mice. <i>Methods in Enzymology</i> , 2009 , 453, 181-96	1.7	37
45	Method for monitoring pexophagy in mammalian cells. <i>Methods in Enzymology</i> , 2009 , 452, 215-26	1.7	6
44	A novel hybrid yeast-human network analysis reveals an essential role for FNBP1L in antibacterial autophagy. <i>Journal of Immunology</i> , 2009 , 182, 4917-30	5.3	47

43	The cellular pathways of neuronal autophagy and their implication in neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 1496-507	4.9	127
42	Autophagy regulates lipid metabolism. <i>Nature</i> , 2009 , 458, 1131-5	50.4	2485
41	Discovery of Atg5/Atg7-independent alternative macroautophagy. <i>Nature</i> , 2009 , 461, 654-8	50.4	816
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