Ana Maria Cuervo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2764342/publications.pdf

Version: 2024-02-01

280	70,129	813	631
papers	citations	118 h-index	257 g-index

312	312	312	60774
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Autophagy fights disease through cellular self-digestion. Nature, 2008, 451, 1069-1075.	13.7	5,714
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
3	Autophagy regulates lipid metabolism. Nature, 2009, 458, 1131-1135.	13.7	3,149
4	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
5	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
6	Impaired Degradation of Mutant Â-Synuclein by Chaperone-Mediated Autophagy. Science, 2004, 305, 1292-1295.	6.0	1,762
7	Geroscience: Linking Aging to Chronic Disease. Cell, 2014, 159, 709-713.	13.5	1,709
8	Extensive Involvement of Autophagy in Alzheimer Disease: An Immuno-Electron Microscopy Study. Journal of Neuropathology and Experimental Neurology, 2005, 64, 113-122.	0.9	1,270
9	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	3.5	1,230
10	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. Nature Cell Biology, 2018, 20, 332-343.	4.6	1,101
11	Lysosomal Proteolysis and Autophagy Require Presenilin 1 and Are Disrupted by Alzheimer-Related PS1 Mutations. Cell, 2010, 141, 1146-1158.	13.5	1,002
12	Macroautophagyâ€”a novel Î²-amyloid peptide-generating pathway activated in Alzheimer's disease. Journal of Cell Biology, 2005, 171, 87-98.	2.3	891
13	The coming of age of chaperone-mediated autophagy. Nature Reviews Molecular Cell Biology, 2018, 19, 365-381.	16.1	827
14	A Receptor for the Selective Uptake and Degradation of Proteins by Lysosomes. Science, 1996, 273, 501-503.	6.0	815
15	Autophagy gone awry in neurodegenerative diseases. Nature Neuroscience, 2010, 13, 805-811.	7.1	805
16	Autophagy: in sickness and in health. Trends in Cell Biology, 2004, 14, 70-77.	3.6	762
17	Cargo recognition failure is responsible for inefficient autophagy in Huntington's disease. Nature Neuroscience, 2010, 13, 567-576.	7.1	730
18	Microautophagy of Cytosolic Proteins by Late Endosomes. Developmental Cell, 2011, 20, 131-139.	3.1	728

#	Article	IF	Citations
19	Autophagy and Aging: The Importance of Maintaining "Clean" Cells. Autophagy, 2005, 1, 131-140.	4.3	709
20	Chaperone-mediated autophagy: a unique way to enter the lysosome world. Trends in Cell Biology, 2012, 22, 407-417.	3.6	695
21	Chaperone-mediated autophagy: roles in disease and aging. Cell Research, 2014, 24, 92-104.	5.7	682
22	Autophagy in the Cellular Energetic Balance. Cell Metabolism, 2011, 13, 495-504.	7.2	673
23	HDAC6 controls autophagosome maturation essential for ubiquitin-selective quality-control autophagy. EMBO Journal, 2010, 29, 969-980.	3.5	660
24	Proteostasis and aging. Nature Medicine, 2015, 21, 1406-1415.	15.2	647
25	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	3.5	615
26	Methods for Monitoring Autophagy from Yeast to Human. Autophagy, 2007, 3, 181-206.	4.3	614
27	Autophagy regulates adipose mass and differentiation in mice. Journal of Clinical Investigation, 2009, 119, 3329-39.	3.9	580
28	Age-related Decline in Chaperone-mediated Autophagy. Journal of Biological Chemistry, 2000, 275, 31505-31513.	1.6	555
29	Activation of Chaperone-mediated Autophagy during Oxidative Stress. Molecular Biology of the Cell, 2004, 15, 4829-4840.	0.9	546
30	Dopamine-modified Î±-synuclein blocks chaperone-mediated autophagy. Journal of Clinical Investigation, 2008, 118, 777-88.	3.9	531
31	Tau fragmentation, aggregation and clearance: the dual role of lysosomal processing. Human Molecular Genetics, 2009, 18, 4153-4170.	1.4	516
32	Interplay of LRRK2 with chaperone-mediated autophagy. Nature Neuroscience, 2013, 16, 394-406.	7.1	515
33	In search of an â€œautophagomometerâ€• Autophagy, 2009, 5, 585-589.	4.3	503
34	Diseaseâ€specific phenotypes in dopamine neurons from human iPSâ€based models of genetic and sporadic Parkinson's disease. EMBO Molecular Medicine, 2012, 4, 380-395.	3.3	501
35	Degradation of lipid droplet-associated proteins by chaperone-mediated autophagy facilitates lipolysis. Nature Cell Biology, 2015, 17, 759-770.	4.6	498
36	Autophagy and aging: keeping that old broom working. Trends in Genetics, 2008, 24, 604-612.	2.9	495

#	Article	IF	Citations
37	XBP-1 deficiency in the nervous system protects against amyotrophic lateral sclerosis by increasing autophagy. Genes and Development, 2009, 23, 2294-2306.	2.7	463
38	Oxidative Stress and Autophagy. Antioxidants and Redox Signaling, 2006, 8, 152-162.	2.5	456
39	Restoration of chaperone-mediated autophagy in aging liver improves cellular maintenance and hepatic function. Nature Medicine, 2008, 14, 959-965.	15.2	456
40	Consequences of the selective blockage of chaperone-mediated autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5805-5810.	3.3	453
41	Autophagy and neurodegeneration: when the cleaning crew goes on strike. Lancet Neurology, The, 2007, 6, 352-361.	4.9	439
42	The Chaperone-Mediated Autophagy Receptor Organizes in Dynamic Protein Complexes at the Lysosomal Membrane. Molecular and Cellular Biology, 2008, 28, 5747-5763.	1.1	435
43	Autophagy: Many paths to the same end. Molecular and Cellular Biochemistry, 2004, 263, 55-72.	1.4	395
44	Reversal of autophagy dysfunction in the TgCRND8 mouse model of Alzheimer's disease ameliorates amyloid pathologies and memory deficits. Brain, 2011, 134, 258-277.	3.7	394
45	Lipophagy: Connecting Autophagy and Lipid Metabolism. International Journal of Cell Biology, 2012, 2012, 1-12.	1.0	392
46	Protein homeostasis and aging: The importance of exquisite quality control. Ageing Research Reviews, 2011, 10, 205-215.	5.0	389
47	Altered lipid content inhibits autophagic vesicular fusion. FASEB Journal, 2010, 24, 3052-3065.	0.2	371
48	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. Cell Metabolism, 2016, 23, 1093-1112.	7.2	360
49	Functional interaction between autophagy and ciliogenesis. Nature, 2013, 502, 194-200.	13.7	357
50	IKK phosphorylates Huntingtin and targets it for degradation by the proteasome and lysosome. Journal of Cell Biology, 2009, 187, 1083-1099.	2.3	343
51	Huntingtin functions as a scaffold for selective macroautophagy. Nature Cell Biology, 2015, 17, 262-275.	4.6	336
52	Autophagy in Hypothalamic AgRP Neurons Regulates Food Intake and Energy Balance. Cell Metabolism, 2011, 14, 173-183.	7.2	326
53	Lysosomal Degradation of Î±-Synuclein in Vivo. Journal of Biological Chemistry, 2010, 285, 13621-13629.	1.6	298
54	Activation of a selective pathway of lysosomal proteolysis in rat liver by prolonged starvation. American Journal of Physiology - Cell Physiology, 1995, 269, C1200-C1208.	2.1	294

#	Article	IF	Citations
55	Transgenic expression of human APOL1 risk variants in podocytes induces kidney disease in mice. Nature Medicine, 2017, 23, 429-438.	15.2	282
56	Constitutive Activation of Chaperone-mediated Autophagy in Cells with Impaired Macroautophagy. Molecular Biology of the Cell, 2008, 19, 2179-2192.	0.9	281
57	Autophagy and human disease: emerging themes. Current Opinion in Genetics and Development, 2014, 26, 16-23.	1.5	280
58	Autophagic vacuoles are enriched in amyloid precursor protein-secretase activities: implications for Î²-amyloid peptide over-production and localization in Alzheimerâ€™s disease. International Journal of Biochemistry and Cell Biology, 2004, 36, 2531-2540.	1.2	279
59	Trehalose ameliorates dopaminergic and tau pathology in parkin deleted/tau overexpressing mice through autophagy activation. Neurobiology of Disease, 2010, 39, 423-438.	2.1	275
60	Chaperone-mediated autophagy in protein quality control. Current Opinion in Cell Biology, 2011, 23, 184-189.	2.6	272
61	Selective autophagy as a potential therapeutic target for neurodegenerative disorders. Lancet Neurology, The, 2018, 17, 802-815.	4.9	269
62	Regulation of Liver Metabolism by Autophagy. Gastroenterology, 2016, 150, 328-339.	0.6	263
63	Chaperoneâ€Mediated Autophagy in Aging and Disease. Current Topics in Developmental Biology, 2006, 73, 205-235.	1.0	259
64	Autophagy and disease: always two sides to a problem. Journal of Pathology, 2012, 226, 255-273.	2.1	258
65	Integration of Clearance Mechanisms: The Proteasome and Autophagy. Cold Spring Harbor Perspectives in Biology, 2010, 2, a006734-a006734.	2.3	257
66	Chaperone-mediated autophagy and endosomal microautophagy: Jointed by a chaperone. Journal of Biological Chemistry, 2018, 293, 5414-5424.	1.6	257
67	A Population of Rat Liver Lysosomes Responsible for the Selective Uptake and Degradation of Cytosolic Proteins. Journal of Biological Chemistry, 1997, 272, 5606-5615.	1.6	256
68	A comprehensive glossary of autophagy-related molecules and processes (2ndedition). Autophagy, 2011, 7, 1273-1294.	4.3	255
69	Targeting the UPR transcription factor XBP1 protects against Huntington's disease through the regulation of FoxO1 and autophagy. Human Molecular Genetics, 2012, 21, 2245-2262.	1.4	253
70	Patient-Specific iPSC-Derived Astrocytes Contribute to Non-Cell-Autonomous Neurodegeneration in Parkinson's Disease. Stem Cell Reports, 2019, 12, 213-229.	2.3	250
71	Regulation of Lamp2a Levels in the Lysosomal Membrane. Traffic, 2000, 1, 570-583.	1.3	249
72	Deficient Chaperone-Mediated Autophagy in Liver Leads to Metabolic Dysregulation. Cell Metabolism, 2014, 20, 417-432.	7.2	249

#	Article	IF	Citations
73	Programmed mitophagy is essential for the glycolytic switch during cell differentiation. EMBO Journal, 2017, 36, 1688-1706.	3.5	245
74	Macroautophagy Regulates Energy Metabolism during Effector T Cell Activation. Journal of Immunology, 2010, 185, 7349-7357.	0.4	240
75	Proteostasis and the Aging Proteome in Health and Disease. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, S33-S38.	1.7	235
76	Chaperone-mediated autophagy: selectivity pays off. Trends in Endocrinology and Metabolism, 2010, 21, 142-150.	3.1	225
77	Lysosomal mTORC2/PHLPP1/Akt Regulate Chaperone-Mediated Autophagy. Molecular Cell, 2015, 59, 270-284.	4.5	223
78	Protein degradation and aging. Experimental Gerontology, 2005, 40, 622-633.	1.2	222
79	Autophagy Is Disrupted in a Knock-in Mouse Model of Juvenile Neuronal Ceroid Lipofuscinosis. Journal of Biological Chemistry, 2006, 281, 20483-20493.	1.6	222
80	Chaperone-mediated autophagy: Molecular mechanisms and physiological relevance. Seminars in Cell and Developmental Biology, 2010, 21, 719-726.	2.3	222
81	When lysosomes get oldâ˜†. Experimental Gerontology, 2000, 35, 119-131.	1.2	214
82	Chaperone-Mediated Autophagy Is Required for Tumor Growth. Science Translational Medicine, 2011, 3, 109ra117.	5.8	205
83	Ubiquilin functions in autophagy and is degraded by chaperone-mediated autophagy. Human Molecular Genetics, 2010, 19, 3219-3232.	1.4	203
84	Altered dynamics of the lysosomal receptor for chaperone-mediated autophagy with age. Journal of Cell Science, 2007, 120, 782-791.	1.2	186
85	Lysosome membrane lipid microdomains: novel regulators of chaperone-mediated autophagy. EMBO Journal, 2006, 25, 3921-3933.	3.5	183
86	Inhibitory effect of dietary lipids on chaperone-mediated autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E705-14.	3.3	181
87	Identification of Regulators of Chaperone-Mediated Autophagy. Molecular Cell, 2010, 39, 535-547.	4.5	178
88	Chaperone-mediated autophagy at a glance. Journal of Cell Science, 2011, 124, 495-499.	1.2	177
89	AMPK-dependent phosphorylation of lipid droplet protein PLIN2 triggers its degradation by CMA. Autophagy, 2016, 12, 432-438.	4.3	173
90	Chemical modulation of chaperone-mediated autophagy by retinoic acid derivatives. Nature Chemical Biology, 2013, 9, 374-382.	3.9	172

#	Article	IF	Citations
91	Title is missing!. Journal of Molecular Medicine, 1998, 76, 6-12.	1.7	171
92	Pathophysiology of chaperone-mediated autophagy. International Journal of Biochemistry and Cell Biology, 2004, 36, 2420-2434.	1.2	169
93	Balance between autophagic pathways preserves retinal homeostasis. Aging Cell, 2013, 12, 478-488.	3.0	169
94	Regulated degradation of Chk1 by chaperone-mediated autophagy in response to DNA damage. Nature Communications, 2015, 6, 6823.	5.8	168
95	Chaperone-mediated autophagy regulates T cell responses through targeted degradation of negative regulators of T cell activation. Nature Immunology, 2014, 15, 1046-1054.	7.0	166
96	Degradation of Proteasomes by Lysosomes in Rat Liver. FEBS Journal, 1995, 227, 792-800.	0.2	166
97	Monomeric fluorescent timers that change color from blue to red report on cellular trafficking. Nature Chemical Biology, 2009, 5, 118-126.	3.9	164
98	Liver autophagy: much more than just taking out the trash. Nature Reviews Gastroenterology and Hepatology, 2014, 11, 187-200.	8.2	158
99	A photoconvertible fluorescent reporter to track chaperone-mediated autophagy. Nature Communications, 2011, 2, 386.	5.8	156
100	Autophagy: many paths to the same end. Molecular and Cellular Biochemistry, 2004, 263, 55-72.	1.4	154
101	Cathepsin A regulates chaperone-mediated autophagy through cleavage of the lysosomal receptor. EMBO Journal, 2003, 22, 47-59.	3.5	152
102	Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. Cell, 2021, 184, 2696-2714.e25.	13.5	151
103	The different autophagy degradation pathways and neurodegeneration. Neuron, 2022, 110, 935-966.	3.8	150
104	Interplay of pathogenic forms of human tau with different autophagic pathways. Aging Cell, 2018, 17, e12692.	3.0	148
105	How Shall I Eat Thee?. Autophagy, 2007, 3, 413-416.	4.3	145
106	Chaperone-mediated autophagy sustains haematopoietic stem-cell function. Nature, 2021, 591, 117-123.	13.7	145
107	A comprehensive glossary of autophagy-related molecules and processes. Autophagy, 2010, 6, 438-448.	4.3	144
108	Autophagy-mediated clearance of aggresomes is not a universal phenomenon. Human Molecular Genetics, 2008, 17, 2570-2582.	1.4	143

#	Article	IF	Citations
109	Loss of hepatic chaperoneâ€mediated autophagy accelerates proteostasis failure in aging. Aging Cell, 2015, 14, 249-264.	3.0	141
110	IÎºB Is a Substrate for a Selective Pathway of Lysosomal Proteolysis. Molecular Biology of the Cell, 1998, 9, 1995-2010.	0.9	140
111	Constitutive Upregulation of Chaperone-Mediated Autophagy in Huntington's Disease. Journal of Neuroscience, 2011, 31, 18492-18505.	1.7	139
112	Protein Homeostasis and Aging: Taking Care of Proteins From the Cradle to the Grave. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 167-170.	1.7	136
113	Proteome-wide analysis of chaperone-mediated autophagy targeting motifs. PLoS Biology, 2019, 17, e3000301.	2.6	136
114	Transcription factor NFE2L2/NRF2 modulates chaperone-mediated autophagy through the regulation of LAMP2A. Autophagy, 2018, 14, 1310-1322.	4.3	134
115	Unique properties of lamp2a compared to other lamp2 isoforms. Journal of Cell Science, 2000, 113 Pt 24, 4441-50.	1.2	134
116	Store-Operated Ca 2+ Entry Controls Induction of Lipolysis and the Transcriptional Reprogramming to Lipid Metabolism. Cell Metabolism, 2017, 25, 698-712.	7.2	131
117	Characterization of chronic low-level proteasome inhibition on neural homeostasis. Journal of Neurochemistry, 2004, 86, 489-497.	2.1	130
118	Autophagy as a cell-repair mechanism: Activation of chaperone-mediated autophagy during oxidative stress. Molecular Aspects of Medicine, 2006, 27, 444-454.	2.7	127
119	Chaperone-Mediated Autophagy. Proceedings of the American Thoracic Society, 2010, 7, 29-39.	3.5	127
120	Selective binding and uptake of ribonuclease A and glyceraldehyde-3-phosphate dehydrogenase by isolated rat liver lysosomes. Journal of Biological Chemistry, 1994, 269, 26374-26380.	1.6	122
121	Protein degradation, aggregation, and misfolding. Movement Disorders, 2010, 25, S49-54.	2.2	121
122	Loss of Macroautophagy Promotes or Prevents Fibroblast Apoptosis Depending on the Death Stimulus. Journal of Biological Chemistry, 2008, 283, 4766-4777.	1.6	119
123	Chapter 19 Methods to Monitor Chaperoneâ€Mediated Autophagy. Methods in Enzymology, 2009, 452, 297-324.	0.4	119
124	Uptake and degradation of glyceraldehyde-3-phosphate dehydrogenase by rat liver lysosomes. Journal of Biological Chemistry, 1993, 268, 10463-70.	1.6	119
125	Connexins modulate autophagosome biogenesis. Nature Cell Biology, 2014, 16, 401-414.	4.6	113
126	Autophagy is a gatekeeper of hepatic differentiation and carcinogenesis by controlling the degradation of Yap. Nature Communications, 2018, 9, 4962.	5.8	111

#	Article	IF	Citations
127	Autophagy modulates dynamics of connexins at the plasma membrane in a ubiquitin-dependent manner. Molecular Biology of the Cell, 2012, 23, 2156-2169.	0.9	110
128	Chaperoneâ€mediated autophagy in health and disease. FEBS Letters, 2010, 584, 1399-1404.	1.3	109
129	Lysosomal Dysfunction in Down Syndrome Is APP-Dependent and Mediated by APP-Î²CTF (C99). Journal of Neuroscience, 2019, 39, 5255-5268.	1.7	109
130	Unifying Nomenclature for the Isoforms of the Lysosomal Membrane Protein LAMP-2. Traffic, 2005, 6, 1058-1061.	1.3	107
131	Selective binding and uptake of ribonuclease A and glyceraldehyde-3-phosphate dehydrogenase by isolated rat liver lysosomes. Journal of Biological Chemistry, 1994, 269, 26374-80.	1.6	107
132	Role of chaperoneâ€mediated autophagy in metabolism. FEBS Journal, 2016, 283, 2403-2413.	2.2	106
133	How do intracellular proteolytic systems change with age. Frontiers in Bioscience - Landmark, 1998, 3, d25-43.	3.0	104
134	The lipid kinase PI4KIIIÎ² preserves lysosomal identity. EMBO Journal, 2012, 32, 324-339.	3.5	104
135	Induction of Autophagy by Cystatin C: A Mechanism That Protects Murine Primary Cortical Neurons and Neuronal Cell Lines. PLoS ONE, 2010, 5, e9819.	1.1	104
136	Microglial NF-ÎºB drives tau spreading and toxicity in a mouse model of tauopathy. Nature Communications, 2022, 13, 1969.	5.8	103
137	Selective Autophagy: Talking with the UPS. Cell Biochemistry and Biophysics, 2013, 67, 3-13.	0.9	102
138	Acetylated tau inhibits chaperone-mediated autophagy and promotes tau pathology propagation in mice. Nature Communications, 2021, 12, 2238.	5.8	101
139	Autophagy and the immune function in aging. Current Opinion in Immunology, 2014, 29, 97-104.	2.4	100
140	Autophagy and the hallmarks of aging. Ageing Research Reviews, 2021, 72, 101468.	5.0	98
141	LAPTM5: A Novel Lysosomal-Associated Multispanning Membrane Protein Preferentially Expressed in Hematopoietic Cells. Genomics, 1996, 35, 328-337.	1.3	95
142	Selective endosomal microautophagy is starvation-inducible inDrosophila. Autophagy, 2016, 12, 1984-1999.	4.3	94
143	Defective macroautophagic turnover of brain lipids in the TgCRND8 Alzheimer mouse model: prevention by correcting lysosomal proteolytic deficits. Brain, 2014, 137, 3300-3318.	3.7	92
144	Therapeutic effects of remediating autophagy failure in a mouse model of Alzheimer disease by enhancing lysosomal proteolysis. Autophagy, 2011, 7, 788-789.	4.3	89

#	Article	IF	Citations
145	Probing the correlation of neuronal loss, neurofibrillary tangles, and cell death markers across the Alzheimer's disease Braak stages: a quantitative study in humans. Neurobiology of Aging, 2018, 61, 1-12.	1.5	89
146	Chaperone-mediated autophagy in aging and neurodegeneration: Lessons from Î±-synuclein. Experimental Gerontology, 2007, 42, 120-128.	1.2	87
147	Î±-Synuclein-Independent Histopathological and Motor Deficits in Mice Lacking the Endolysosomal Parkinsonism Protein Atp13a2. Journal of Neuroscience, 2015, 35, 5724-5742.	1.7	87
148	Direct lysosomal uptake of Î±2-microglobulin contributes to chemically induced nephropathy. Kidney International, 1999, 55, 529-545.	2.6	85
149	Selective autophagy in the maintenance of cellular homeostasis in aging organisms. Biogerontology, 2012, 13, 21-35.	2.0	83
150	Modulation of deregulated chaperone-mediated autophagy by a phosphopeptide. Autophagy, 2015, 11, 472-486.	4.3	83
151	Synergy and antagonism of macroautophagy and chaperone-mediated autophagy in a cell model of pathological tau aggregation. Autophagy, 2010, 6, 182-183.	4.3	82
152	Aging as a Biological Target for Prevention and Therapy. JAMA - Journal of the American Medical Association, 2018, 320, 1321.	3.8	82
153	Coordinate regulation of mutant NPC1 degradation by selective ER autophagy and MARCH6-dependent ERAD. Nature Communications, 2018, 9, 3671.	5.8	82
154	Mouse Skeletal Muscle Fiber-Type-Specific Macroautophagy and Muscle Wasting Are Regulated by a Fyn/STAT3/Vps34 Signaling Pathway. Cell Reports, 2012, 1, 557-569.	2.9	80
155	Autophagic pathways and metabolic stress. Diabetes, Obesity and Metabolism, 2010, 12, 4-14.	2.2	77
156	Chaperone-mediated autophagy dysfunction in the pathogenesis of neurodegeneration. Neurobiology of Disease, 2011, 43, 29-37.	2.1	77
157	Age-Related Oxidative Stress Compromises Endosomal Proteostasis. Cell Reports, 2012, 2, 136-149.	2.9	77
158	Chaperone-mediated autophagy prevents cellular transformation by regulating MYC proteasomal degradation. Autophagy, 2017, 13, 928-940.	4.3	77
159	Autophagy, nutrition and immunology. Molecular Aspects of Medicine, 2012, 33, 2-13.	2.7	76
160	A farnesyltransferase inhibitor activates lysosomes and reduces tau pathology in mice with tauopathy. Science Translational Medicine, 2019, 11, .	5.8	75
161	Cav-1 (Caveolin-1) Deficiency Increases Autophagy in the Endothelium and Attenuates Vascular Inflammation and Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1510-1522.	1.1	75
162	Lysosomes, a meeting point of proteins, chaperones, and proteases. Journal of Molecular Medicine, 1997, 76, 6-12.	1.7	73

#	Article	IF	Citations
163	PKCÎ»/Î¹ Loss Induces Autophagy, Oxidative Phosphorylation, and NRF2 to Promote Liver Cancer Progression. Cancer Cell, 2020, 38, 247-262.e11.	7.7	73
164	Selective Degradation of Annexins by Chaperone-mediated Autophagy. Journal of Biological Chemistry, 2000, 275, 33329-33335.	1.6	72
165	Autophagy and primary cilia: dual interplay. Current Opinion in Cell Biology, 2016, 39, 1-7.	2.6	72
166	Humanin is an endogenous activator of chaperone-mediated autophagy. Journal of Cell Biology, 2018, 217, 635-647.	2.3	71
167	Autophagy and neurodegeneration. Current Neurology and Neuroscience Reports, 2007, 7, 443-451.	2.0	70
168	Chaperone-Mediated Autophagy. Methods in Molecular Biology, 2008, 445, 227-244.	0.4	69
169	Promoting tau secretion and propagation by hyperactive p300/CBP via autophagy-lysosomal pathway in tauopathy. Molecular Neurodegeneration, 2020, 15, 2.	4.4	69
170	Chasing the elusive mammalian microautophagy. Autophagy, 2011, 7, 652-654.	4.3	66
171	Chronic Expression of RCAN1-1L Protein Induces Mitochondrial Autophagy and Metabolic Shift from Oxidative Phosphorylation to Glycolysis in Neuronal Cells. Journal of Biological Chemistry, 2012, 287, 14088-14098.	1.6	66
172	Glioblastoma ablates pericytes antitumor immune function through aberrant up-regulation of chaperone-mediated autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20655-20665.	3.3	66
173	Early cellular changes after blockage of chaperone-mediated autophagy. Autophagy, 2008, 4, 442-456.	4.3	65
174	Autophagy and regulation of cilia function and assembly. Cell Death and Differentiation, 2015, 22, 389-397.	5.0	64
175	Methods to study chaperone-mediated autophagy. Methods, 2015, 75, 133-140.	1.9	63
176	Age-associated changes in human CD4+ T cells point to mitochondrial dysfunction consequent to impaired autophagy. Aging, 2019, 11, 9234-9263.	1.4	63
177	The ULK1-FBXW5-SEC23B nexus controls autophagy. ELife, 2018, 7, .	2.8	63
178	Mutant glucocerebrosidase impairs Î±-synuclein degradation by blockade of chaperone-mediated autophagy. Science Advances, 2022, 8, eabm6393.	4.7	63
179	Degradation of Proteasomes by Lysosomes in Rat Liver. FEBS Journal, 1995, 227, 792-800.	0.2	62
180	Proteasome Failure Promotes Positioning of Lysosomes around the Aggresome via Local Block of Microtubule-Dependent Transport. Molecular and Cellular Biology, 2014, 34, 1336-1348.	1.1	62

#	Article	IF	Citations
181	Cystinosin, the small GTPase Rab11, and the Rab7 effector RILP regulate intracellular trafficking of the chaperone-mediated autophagy receptor LAMP2A. Journal of Biological Chemistry, 2017, 292, 10328-10346.	1.6	62
182	PM02734 (Elisidepsin) Induces Caspase-Independent Cell Death Associated with Features of Autophagy, Inhibition of the Akt/mTOR Signaling Pathway, and Activation of Death-Associated Protein Kinase. Clinical Cancer Research, 2011, 17, 5353-5366.	3.2	60
183	Chaperones in autophagy. Pharmacological Research, 2012, 66, 484-493.	3.1	60
184	Chaperone-mediated autophagy: Dice's 'wild' idea about lysosomal selectivity. Nature Reviews Molecular Cell Biology, 2011, 12, 535-541.	16.1	59
185	Molecular determinants of selective clearance of protein inclusions by autophagy. Nature Communications, 2012, 3, 1240.	5.8	58
186	Pros and Cons of Chaperone-Mediated Autophagy in Cancer Biology. Trends in Endocrinology and Metabolism, 2020, 31, 53-66.	3.1	58
187	Malfolded Protein Structure and Proteostasis in Lung Diseases. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 96-103.	2.5	57
188	Structural and Biological Interaction of hsc-70 Protein with Phosphatidylserine in Endosomal Microautophagy. Journal of Biological Chemistry, 2016, 291, 18096-18106.	1.6	52
189	Disease-Modifying Pathways in Neurodegeneration. Journal of Neuroscience, 2006, 26, 10349-10357.	1.7	51
190	Molecular damage in aging. Nature Aging, 2021, 1, 1096-1106.	5.3	51
191	The plasma membrane brings autophagosomes to life. Nature Cell Biology, 2010, 12, 735-737.	4.6	50
192	Entering the lysosome through a transient gate by chaperone-mediated autophagy. Autophagy, 2008, 4, 1101-1103.	4.3	46
193	Disulfiram Treatment Normalizes Body Weight in Obese Mice. Cell Metabolism, 2020, 32, 203-214.e4.	7.2	46
194	Calorie Restriction and Aging: The Ultimate "Cleansing Diet". Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 547-549.	1.7	45
195	A2E, A Pigment of RPE Lipofuscin, is Generated from the Precursor, A2PE by a Lysosomal Enzyme Activity. Advances in Experimental Medicine and Biology, 2008, 613, 393-398.	0.8	45
196	Stimulatory effect of vitamin C on autophagy in glial cells. Journal of Neurochemistry, 2002, 82, 538-549.	2.1	44
197	Autophagy in neurons: it is not all about food. Trends in Molecular Medicine, 2006, 12, 461-464.	3.5	44
198	Autophagy and lipids: tightening the knot. Seminars in Immunopathology, 2010, 32, 343-353.	2.8	43

#	Article	IF	Citations
199	Annexin A2 promotes phagophore assembly by enhancing Atg16L+ vesicle biogenesis and homotypic fusion. Nature Communications, 2015, 6, 5856.	5.8	43
200	Sarcosine Is Uniquely Modulated by Aging and Dietary Restriction in Rodents and Humans. Cell Reports, 2018, 25, 663-676.e6.	2.9	43
201	Phosphorylationâ€Regulated Degradation of the Tumorâ€Suppressor Form of PED by Chaperoneâ€Mediated Autophagy in Lung Cancer Cells. Journal of Cellular Physiology, 2014, 229, 1359-1368.	2.0	42
202	Monitoring spatiotemporal changes in chaperone-mediated autophagy in vivo. Nature Communications, 2020, 11, 645.	5.8	41
203	Eps8 is recruited to lysosomes and subjected to chaperone-mediated autophagy in cancer cells. Experimental Cell Research, 2010, 316, 1914-1924.	1.2	40
204	HTT/Huntingtin in selective autophagy and Huntington disease: A foe or a friend within?. Autophagy, 2015, 11, 858-860.	4.3	40
205	Analysis of Chaperone-Mediated Autophagy. Methods in Molecular Biology, 2019, 1880, 703-727.	0.4	40
206	Autophagic Defects in Aging: Looking for an â€œEmergency Exit"?. Cell Cycle, 2006, 5, 1292-1296.	1.3	38
207	Autophagy's Top Chef. Science, 2011, 332, 1392-1393.	6.0	35
208	The Role of Autophagy in Liver Diseases: Mechanisms and Potential Therapeutic Targets. BioMed Research International, 2015, 2015, 1-2.	0.9	35
209	Autophagy Is Required for Sortilin-Mediated Degradation of Apolipoprotein B100. Circulation Research, 2018, 122, 568-582.	2.0	35
210	Medical bioremediation: Prospects for the application of microbial catabolic diversity to aging and several major age-related diseases. Ageing Research Reviews, 2005, 4, 315-338.	5.0	34
211	Dietary intake of polyphenols and major food sources in an institutionalised elderly population. Journal of Human Nutrition and Dietetics, 2014, 27, 176-183.	1.3	34
212	Defective recruitment of motor proteins to autophagic compartments contributes to autophagic failure in aging. Aging Cell, 2018, 17, e12777.	3.0	33
213	Reciprocal regulation of chaperone-mediated autophagy and the circadian clock. Nature Cell Biology, 2021, 23, 1255-1270.	4.6	33
214	ARDD 2020: from aging mechanisms to interventions. Aging, 2020, 12, 24484-24503.	1.4	32
215	Rare variants in the neuronal ceroid lipofuscinosis gene MFSD8 are candidate risk factors for frontotemporal dementia. Acta Neuropathologica, 2019, 137, 71-88.	3.9	29
216	Protective role of chaperone-mediated autophagy against atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121133119.	3.3	29

#	Article	IF	Citations
217	Lysosomal Chat Maintains the Balance. Autophagy, 2006, 2, 325-327.	4.3	28
218	MAEA is an E3 ubiquitin ligase promoting autophagy and maintenance of haematopoietic stem cells. Nature Communications, 2021, 12, 2522.	5.8	27
219	TSC1 loss increases risk for tauopathy by inducing tau acetylation and preventing tau clearance via chaperone-mediated autophagy. Science Advances, 2021, 7, eabg3897.	4.7	27
220	Eat your heart out. Nature Medicine, 2007, 13, 539-541.	15.2	26
221	Lipases in lysosomes, what for?. Autophagy, 2009, 5, 866-867.	4.3	26
222	Dietary lipids and aging compromise chaperone-mediated autophagy by similar mechanisms. Autophagy, 2012, 8, 1152-1154.	4.3	26
223	In Vivo Remodeling of Altered Autophagy-Lysosomal Pathway by a Phosphopeptide in Lupus. Cells, 2020, 9, 2328.	1.8	26
224	Geroscience in the Age of COVID-19. , 2020, 11, 725.		24
225	Autophagy and Aging--When "All You Can Eat" Is Yourself. Science of Aging Knowledge Environment: SAGE KE, 2003, 2003, 25pe-25.	0.9	24
226	Age- and stress-associated C. elegans granulins impair lysosomal function and induce a compensatory HLH-30/TFEB transcriptional response. PLoS Genetics, 2019, 15, e1008295.	1.5	23
227	Inhibitory effect of intracellular lipid load on macroautophagy. Autophagy, 2010, 6, 825-827.	4.3	21
228	Chaperone-mediated autophagy: a gatekeeper of neuronal proteostasis. Autophagy, 2021, 17, 2040-2042.	4.3	21
229	Obatoclax kills anaplastic thyroid cancer cells by inducing lysosome neutralization and necrosis. Oncotarget, 2016, 7, 34453-34471.	0.8	21
230	Chaperone-Mediated Autophagy and Aging: A Novel Regulatory Role of Lipids Revealed. Autophagy, 2007, 3, 387-389.	4.3	20
231	HIV Nef and Antiretroviral Therapy Have an Inhibitory Effect on Autophagy in Human Astrocytes that May Contribute to HIV-Associated Neurocognitive Disorders. Cells, 2020, 9, 1426.	1.8	20
232	Chaperone-mediated autophagy: dedicated saviour and unfortunate victim in the neurodegeneration arena. Biochemical Society Transactions, 2013, 41, 1483-1488.	1.6	18
233	The negative effect of lipid challenge on autophagy inhibits T cell responses. Autophagy, 2020, 16, 223-238.	4.3	18
234	Extending human healthspan and longevity: a symposium report. Annals of the New York Academy of Sciences, 2022, 1507, 70-83.	1.8	18

#	Article	IF	Citations
235	Lysosomal and network alterations in human mucopolysaccharidosis type VII iPSC-derived neurons. Scientific Reports, 2018, 8, 16644.	1.6	15
236	GÎ±q activation modulates autophagy by promoting mTORC1 signaling. Nature Communications, 2021, 12, 4540.	5.8	15
237	Selective autophagy and Huntingtin: learning from disease. Cell Cycle, 2015, 14, 1617-1618.	1.3	12
238	Elucidating the mechanisms by which disulfiram protects against obesity and metabolic syndrome. Npj Aging and Mechanisms of Disease, 2020, 6, 8.	4.5	12
239	PKCÎ»/Î¹ inhibition activates an ULK2-mediated interferon response to repress tumorigenesis. Molecular Cell, 2021, 81, 4509-4526.e10.	4.5	12
240	Chaperone-Mediated Autophagy Controls Proteomic and Transcriptomic Pathways to Maintain Glioma Stem Cell Activity. Cancer Research, 2022, 82, 1283-1297.	0.4	12
241	Assessment of mammalian endosomal microautophagy. Methods in Cell Biology, 2021, 164, 167-185.	0.5	11
242	Chaperone-Mediated Autophagy Upregulation Rescues Megalin Expression and Localization in Cystinotic Proximal Tubule Cells. Frontiers in Endocrinology, 2019, 10, 21.	1.5	10
243	Chaperone-mediated autophagy protects against atherosclerosis. Autophagy, 2022, 18, 2505-2507.	4.3	10
244	Misfolded GBA/Î²-glucocerebrosidase impairs ER-quality control by chaperone-mediated autophagy in Parkinson disease. Autophagy, 2022, 18, 3050-3052.	4.3	9
245	Preventing lysosomal fat indigestion. Nature Cell Biology, 2013, 15, 565-567.	4.6	8
246	Hydrodynamic size-based separation and characterization of protein aggregates from total cell lysates. Nature Protocols, 2015, 10, 134-148.	5.5	8
247	Temperature dependence of the toxic effects of phenytoin on peripheral neuromuscular function of the rat tail. Neurotoxicology and Teratology, 1990, 12, 627-631.	1.2	7
248	Nerve conduction velocity decrease and synaptic transmission alterations in caffeine-treated rats. Neurotoxicology and Teratology, 1994, 16, 11-15.	1.2	6
249	HIV Increases the Inhibitory Impact of Morphine and Antiretrovirals on Autophagy in Primary Human Macrophages: Contributions to Neuropathogenesis. Cells, 2021, 10, 2183.	1.8	6
250	Einstein-Nathan Shock Center: translating the hallmarks of aging to extend human health span. GeroScience, 2021, 43, 2167-2182.	2.1	5
251	Quality Control: Maintaining molecular order and preventing cellular chaos. Molecular Cell, 2022, 82, 1390-1397.	4.5	5
252	Announcements from your Editorial Team. Aging Cell, 2009, 8, 1-1.	3.0	4

#	Article	IF	Citations
253	Circadian remodeling of the proteome by chaperone-mediated autophagy. Autophagy, 2022, 18, 1205-1207.	4.3	3
254	Defining the role of PLD3 in Alzheimerâ€™s disease pathology. Alzheimer's and Dementia, 2021, 17, e058730.	0.4	3
255	Changes in Lysosomes and Their Autophagic Function in Aging: The Comparative Biology of Lysosomal Function. , 2010, , 201-226.		2
256	Immunosurveillance, interferon, and autophagic networking in cancer: the PRKCI-ULK2 paradigm. Autophagy, 2022, 18, 226-227.	4.3	2
257	Methamphetamine Dysregulates Macrophage Functions and Autophagy to Mediate HIV Neuropathogenesis. Biomedicines, 2022, 10, 1257.	1.4	2
258	S3-02-02: Autophagy and neurodegeneration. , 2013, 9, P512-P512.		1
259	Editorial. Aging Cell, 2013, 12, 1-1.	3.0	1
260	Editorial. Aging Cell, 2014, 13, 1-1.	3.0	1
261	Beth Cindy Levine (1960â€“2020). Science, 2020, 369, 378-378.	6.0	1
262	Degradation of lipid droplet-associated proteins by chaperone-mediated autophagy facilitates lipolysis. , 0, .		1
263	Proteostasis and aging. , 0, .		1
264	Abstract 117: Regulation of Cardiac Mitochondrial Function by Chaperone Mediated Autophagy. Circulation Research, 2018, 123, .	2.0	1
265	Lysosomal targeting and degradation of annexins. Biochemical Society Transactions, 2000, 28, A349-A349.	1.6	0
266	Autophagy in Disease and Aging. , 2006, , 69-104.		0
267	Aging Cell manuscripts on the road to PubMed Central: shifting from manual to automatic transmission. Aging Cell, 2008, 7, 447-447.	3.0	0
268	Selective Autophagy in the Pathogenesis of Parkinson's Disease. , 2008, , 409-422.		0
269	Aging Cell Prize for Best Paper. Aging Cell, 2009, 8, 345-345.	3.0	0
270	Aging Cell Prize for Best Paper 2009. Aging Cell, 2010, 9, 650-650.	3.0	0

#	Article	IF	Citations
271	Protein Homeostasis and Aging. , 2011, , 297-317.		0
272	Autophagy â€“ The Liaison between the Lysosomal System and Cell Death. , 0, , 63-73.		0
273	Aging Cell Prize for Best Paper 2010. Aging Cell, 2011, 10, 1092-1092.	3.0	0
274	Aging Cell Prize for Best Paper 2012. Aging Cell, 2013, 12, 1148-1148.	3.0	0
275	Reflections on the Field of Metabolism. Cell Metabolism, 2015, 21, 505-506.	7.2	0
276	Autophagy and aging: connecting nutritionalâ€regulated catabolism and cellular quality control. FASEB Journal, 2009, 23, 425.3.	0.2	0
277	Selective autophagy in cellular quality control. Research and Perspectives in Alzheimer's Disease, 2013, , 63-75.	0.1	0
278	Chaperone-Mediated Autophagy Ensures Hematopoietic Stem Cell Maintenance. Blood, 2019, 134, 272-272.	0.6	0
279	Selective Autophagy: A Link Across the Hallmarks of Aging. Innovation in Aging, 2021, 5, 510-510.	0.0	0
280	Defining the role of PLD3 in Alzheimer disease pathology.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e054611.	0.4	0