Ana Maria Cuervo

List of Publications by Citations

262 papers	56,133 citations	109 h-index	236 g-index
312 ext. papers	63,672 ext. citations	12.2 avg, IF	8 L-index

#	Paper	IF	Citations
262	Autophagy fights disease through cellular self-digestion. *Nature*, **2008**, 451, 1069-75	50.4	4910
261	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
260	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
259	Autophagy regulates lipid metabolism. *Nature*, **2009**, 458, 1131-5	50.4	2485
258	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy*, **2008**, 4, 151-75	10.2	1920
257	Impaired degradation of mutant alpha-synuclein by chaperone-mediated autophagy. *Science*, **2004**, 305, 1292-5	33.3	1538
256	Geroscience: linking aging to chronic disease. *Cell*, **2014**, 159, 709-13	56.2	1068
255	Extensive involvement of autophagy in Alzheimer disease: an immuno-electron microscopy study. *Journal of Neuropathology and Experimental Neurology*, **2005**, 64, 113-22	3.1	1041
254	Molecular definitions of autophagy and related processes. *EMBO Journal*, **2017**, 36, 1811-1836	13	857
253	Lysosomal proteolysis and autophagy require presenilin 1 and are disrupted by Alzheimer-related PS1 mutations. *Cell*, **2010**, 141, 1146-58	56.2	816
252	Macroautophagy--a novel Beta-amyloid peptide-generating pathway activated in Alzheimer's disease. *Journal of Cell Biology*, **2005**, 171, 87-98	7.3	791
251	Autophagy gone awry in neurodegenerative diseases. *Nature Neuroscience*, **2010**, 13, 805-11	25.5	727
250	A receptor for the selective uptake and degradation of proteins by lysosomes. *Science*, **1996**, 273, 501-3	33.3	711
249	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. *Nature Cell Biology*, **2018**, 20, 332-343	23.4	686
248	Autophagy: in sickness and in health. *Trends in Cell Biology*, **2004**, 14, 70-7	18.3	676
247	Autophagy and aging: the importance of maintaining "clean" cells. *Autophagy*, **2005**, 1, 131-40	10.2	637
246	Cargo recognition failure is responsible for inefficient autophagy in Huntington's disease. *Nature Neuroscience*, **2010**, 13, 567-76	25.5	621

245	HDAC6 controls autophagosome maturation essential for ubiquitin-selective quality-control autophagy. *EMBO Journal*, **2010**, 29, 969-80	13	584
244	Chaperone-mediated autophagy: a unique way to enter the lysosome world. *Trends in Cell Biology*, **2012**, 22, 407-17	18.3	575
243	Microautophagy of cytosolic proteins by late endosomes. *Developmental Cell*, **2011**, 20, 131-9	10.2	574
242	Methods for monitoring autophagy from yeast to human. *Autophagy*, **2007**, 3, 181-206	10.2	560
241	Autophagy in the cellular energetic balance. *Cell Metabolism*, **2011**, 13, 495-504	24.6	558
240	Chaperone-mediated autophagy: roles in disease and aging. *Cell Research*, **2014**, 24, 92-104	24.7	553
239	Autophagy regulates adipose mass and differentiation in mice. *Journal of Clinical Investigation*, **2009**, 119, 3329-39	15.9	485
238	The coming of age of chaperone-mediated autophagy. *Nature Reviews Molecular Cell Biology*, **2018**, 19, 365-381	48.7	484
237	Activation of chaperone-mediated autophagy during oxidative stress. *Molecular Biology of the Cell*, **2004**, 15, 4829-40	3.5	477
236	Age-related decline in chaperone-mediated autophagy. *Journal of Biological Chemistry*, **2000**, 275, 31505-13	5.4	466
235	Dopamine-modified alpha-synuclein blocks chaperone-mediated autophagy. *Journal of Clinical Investigation*, **2008**, 118, 777-88	15.9	461
234	Tau fragmentation, aggregation and clearance: the dual role of lysosomal processing. *Human Molecular Genetics*, **2009**, 18, 4153-70	5.6	448
233	Interplay of LRRK2 with chaperone-mediated autophagy. *Nature Neuroscience*, **2013**, 16, 394-406	25.5	438
232	Proteostasis and aging. *Nature Medicine*, **2015**, 21, 1406-15	50.5	436
231	Disease-specific phenotypes in dopamine neurons from human iPS-based models of genetic and sporadic Parkinson's disease. *EMBO Molecular Medicine*, **2012**, 4, 380-95	12	431
230	Autophagy and aging: keeping that old broom working. *Trends in Genetics*, **2008**, 24, 604-12	8.5	426
229	XBP-1 deficiency in the nervous system protects against amyotrophic lateral sclerosis by increasing autophagy. *Genes and Development*, **2009**, 23, 2294-306	12.6	412
228	Oxidative stress and autophagy. *Antioxidants and Redox Signaling*, **2006**, 8, 152-62	8.4	412

227	Consequences of the selective blockage of chaperone-mediated autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 5805-10	11.5	398
226	Restoration of chaperone-mediated autophagy in aging liver improves cellular maintenance and hepatic function. *Nature Medicine*, **2008**, 14, 959-65	50.5	395
225	Autophagy and neurodegeneration: when the cleaning crew goes on strike. *Lancet Neurology, The*, **2007**, 6, 352-61	24.1	389
224	The chaperone-mediated autophagy receptor organizes in dynamic protein complexes at the lysosomal membrane. *Molecular and Cellular Biology*, **2008**, 28, 5747-63	4.8	363
223	Degradation of lipid droplet-associated proteins by chaperone-mediated autophagy facilitates lipolysis. *Nature Cell Biology*, **2015**, 17, 759-70	23.4	352
222	Reversal of autophagy dysfunction in the TgCRND8 mouse model of Alzheimer's disease ameliorates amyloid pathologies and memory deficits. *Brain*, **2011**, 134, 258-77	11.2	345
221	Lipophagy: connecting autophagy and lipid metabolism. *International Journal of Cell Biology*, **2012**, 2012, 282041	2.6	330
220	Autophagy: Many paths to the same end. *Molecular and Cellular Biochemistry*, **2004**, 263, 55-72	4.2	328
219	Altered lipid content inhibits autophagic vesicular fusion. *FASEB Journal*, **2010**, 24, 3052-65	0.9	324
218	Protein homeostasis and aging: The importance of exquisite quality control. *Ageing Research Reviews*, **2011**, 10, 205-15	12	309
217	IKK phosphorylates Huntingtin and targets it for degradation by the proteasome and lysosome. *Journal of Cell Biology*, **2009**, 187, 1083-99	7.3	287
216	Functional interaction between autophagy and ciliogenesis. *Nature*, **2013**, 502, 194-200	50.4	281
215	Autophagy in hypothalamic AgRP neurons regulates food intake and energy balance. *Cell Metabolism*, **2011**, 14, 173-83	24.6	277
214	Huntingtin functions as a scaffold for selective macroautophagy. *Nature Cell Biology*, **2015**, 17, 262-75	23.4	266
213	Lysosomal degradation of alpha-synuclein in vivo. *Journal of Biological Chemistry*, **2010**, 285, 13621-9	5.4	252
212	Activation of a selective pathway of lysosomal proteolysis in rat liver by prolonged starvation. *American Journal of Physiology - Cell Physiology*, **1995**, 269, C1200-8	5.4	252
211	Autophagic vacuoles are enriched in amyloid precursor protein-secretase activities: implications for beta-amyloid peptide over-production and localization in Alzheimer's disease. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 2531-40	5.6	250
210	Constitutive activation of chaperone-mediated autophagy in cells with impaired macroautophagy. *Molecular Biology of the Cell*, **2008**, 19, 2179-92	3.5	247

209	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. *Cell Metabolism*, **2016**, 23, 1093-1112	24.6	245
208	Trehalose ameliorates dopaminergic and tau pathology in parkin deleted/tau overexpressing mice through autophagy activation. *Neurobiology of Disease*, **2010**, 39, 423-38	7.5	235
207	Autophagy and human disease: emerging themes. *Current Opinion in Genetics and Development*, **2014**, 26, 16-23	4.9	231
206	Chaperone-mediated autophagy in aging and disease. *Current Topics in Developmental Biology*, **2006**, 73, 205-35	5.3	225
205	Integration of clearance mechanisms: the proteasome and autophagy. *Cold Spring Harbor Perspectives in Biology*, **2010**, 2, a006734	10.2	224
204	Chaperone-mediated autophagy in protein quality control. *Current Opinion in Cell Biology*, **2011**, 23, 184-9	9	221
203	A population of rat liver lysosomes responsible for the selective uptake and degradation of cytosolic proteins. *Journal of Biological Chemistry*, **1997**, 272, 5606-15	5.4	221
202	Regulation of lamp2a levels in the lysosomal membrane. *Traffic*, **2000**, 1, 570-83	5.7	219
201	Autophagy and disease: always two sides to a problem. *Journal of Pathology*, **2012**, 226, 255-73	9.4	211
200	Targeting the UPR transcription factor XBP1 protects against Huntington's disease through the regulation of FoxO1 and autophagy. *Human Molecular Genetics*, **2012**, 21, 2245-62	5.6	205
199	A comprehensive glossary of autophagy-related molecules and processes (2nd edition). *Autophagy*, **2011**, 7, 1273-94	10.2	205
198	Macroautophagy regulates energy metabolism during effector T cell activation. *Journal of Immunology*, **2010**, 185, 7349-57	5.3	204
197	Protein degradation and aging. *Experimental Gerontology*, **2005**, 40, 622-33	4.5	202
196	Regulation of Liver Metabolism by Autophagy. *Gastroenterology*, **2016**, 150, 328-39	13.3	195
195	Autophagy is disrupted in a knock-in mouse model of juvenile neuronal ceroid lipofuscinosis. *Journal of Biological Chemistry*, **2006**, 281, 20483-93	5.4	194
194	Transgenic expression of human APOL1 risk variants in podocytes induces kidney disease in mice. *Nature Medicine*, **2017**, 23, 429-438	50.5	193
193	Chaperone-mediated autophagy: selectivity pays off. *Trends in Endocrinology and Metabolism*, **2010**, 21, 142-50	8.8	192
192	Deficient chaperone-mediated autophagy in liver leads to metabolic dysregulation. *Cell Metabolism* , **2014**, 20, 417-32	24.6	191

191	When lysosomes get old. *Experimental Gerontology*, **2000**, 35, 119-31	4.5	189
190	Chaperone-mediated autophagy: molecular mechanisms and physiological relevance. *Seminars in Cell and Developmental Biology*, **2010**, 21, 719-26	7.5	186
189	Chaperone-mediated autophagy and endosomal microautophagy: Joint by a chaperone. *Journal of Biological Chemistry*, **2018**, 293, 5414-5424	5.4	182
188	Ubiquilin functions in autophagy and is degraded by chaperone-mediated autophagy. *Human Molecular Genetics*, **2010**, 19, 3219-32	5.6	178
187	Proteostasis and the aging proteome in health and disease. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69 Suppl 1, S33-8	6.4	173
186	Programmed mitophagy is essential for the glycolytic switch during cell differentiation. *EMBO Journal*, **2017**, 36, 1688-1706	13	171
185	Lysosomal mTORC2/PHLPP1/Akt Regulate Chaperone-Mediated Autophagy. *Molecular Cell*, **2015**, 59, 270-84	17.6	170
184	Degradation of proteasomes by lysosomes in rat liver. *FEBS Journal*, **1995**, 227, 792-800		162
183	Chaperone-mediated autophagy is required for tumor growth. *Science Translational Medicine*, **2011**, 3, 109ra117	17.5	159
182	Identification of regulators of chaperone-mediated autophagy. *Molecular Cell*, **2010**, 39, 535-47	17.6	156
181	Altered dynamics of the lysosomal receptor for chaperone-mediated autophagy with age. *Journal of Cell Science*, **2007**, 120, 782-91	5.3	156
180	Patient-Specific iPSC-Derived Astrocytes Contribute to Non-Cell-Autonomous Neurodegeneration in Parkinson's Disease. *Stem Cell Reports*, **2019**, 12, 213-229	8	154
179	. *Journal of Molecular Medicine*, **1998**, 76, 6-12	5.5	154
178	Lysosome membrane lipid microdomains: novel regulators of chaperone-mediated autophagy. *EMBO Journal*, **2006**, 25, 3921-33	13	153
177	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	11.5	152
176	Pathophysiology of chaperone-mediated autophagy. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 2420-34	5.6	152
175	Selective autophagy as a potential therapeutic target for neurodegenerative disorders. *Lancet Neurology, The*, **2018**, 17, 802-815	24.1	151
174	Chaperone-mediated autophagy at a glance. *Journal of Cell Science*, **2011**, 124, 495-9	5.3	145

173	Regulated degradation of Chk1 by chaperone-mediated autophagy in response to DNA damage. *Nature Communications*, **2015**, 6, 6823	17.4	134
172	Cathepsin A regulates chaperone-mediated autophagy through cleavage of the lysosomal receptor. *EMBO Journal*, **2003**, 22, 47-59	13	133
171	Autophagy: many paths to the same end. *Molecular and Cellular Biochemistry*, **2004**, 263, 55-72	4.2	133
170	Chemical modulation of chaperone-mediated autophagy by retinoic acid derivatives. *Nature Chemical Biology*, **2013**, 9, 374-82	11.7	131
169	Unique properties of lamp2a compared to other lamp2 isoforms. *Journal of Cell Science*, **2000**, 113 Pt 24, 4441-50	5.3	131
168	Autophagy-mediated clearance of aggresomes is not a universal phenomenon. *Human Molecular Genetics*, **2008**, 17, 2570-82	5.6	130
167	IkappaB is a substrate for a selective pathway of lysosomal proteolysis. *Molecular Biology of the Cell* , **1998**, 9, 1995-2010	3.5	130
166	Liver autophagy: much more than just taking out the trash. *Nature Reviews Gastroenterology and Hepatology*, **2014**, 11, 187-200	24.2	127
165	Monomeric fluorescent timers that change color from blue to red report on cellular trafficking. *Nature Chemical Biology*, **2009**, 5, 118-26	11.7	126
164	A photoconvertible fluorescent reporter to track chaperone-mediated autophagy. *Nature Communications*, **2011**, 2, 386	17.4	123
163	A comprehensive glossary of autophagy-related molecules and processes. *Autophagy*, **2010**, 6, 438-48	10.2	123
162	Chaperone-mediated autophagy regulates T cell responses through targeted degradation of negative regulators of T cell activation. *Nature Immunology*, **2014**, 15, 1046-54	19.1	121
161	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**, 64, 167-70	6.4	121
160	AMPK-dependent phosphorylation of lipid droplet protein PLIN2 triggers its degradation by CMA. *Autophagy*, **2016**, 12, 432-8	10.2	118
159	Uptake and degradation of glyceraldehyde-3-phosphate dehydrogenase by rat liver lysosomes. *Journal of Biological Chemistry*, **1993**, 268, 10463-70	5.4	115
158	Constitutive upregulation of chaperone-mediated autophagy in Huntington's disease. *Journal of Neuroscience*, **2011**, 31, 18492-505	6.6	114
157	Balance between autophagic pathways preserves retinal homeostasis. *Aging Cell*, **2013**, 12, 478-88	9.9	113
156	Characterization of chronic low-level proteasome inhibition on neural homeostasis. *Journal of Neurochemistry*, **2003**, 86, 489-97	6	109

155	Loss of hepatic chaperone-mediated autophagy accelerates proteostasis failure in aging. *Aging Cell*, **2015**, 14, 249-64	9.9	108
154	Loss of macroautophagy promotes or prevents fibroblast apoptosis depending on the death stimulus. *Journal of Biological Chemistry*, **2008**, 283, 4766-77	5.4	106
153	Chaperone-mediated autophagy. *Proceedings of the American Thoracic Society*, **2010**, 7, 29-39		104
152	Protein degradation, aggregation, and misfolding. *Movement Disorders*, **2010**, 25 Suppl 1, S49-54	7	104
151	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	5.4	104
150	Methods to monitor chaperone-mediated autophagy. *Methods in Enzymology*, **2009**, 452, 297-324	1.7	103
149	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	5.4	103
148	Autophagy modulates dynamics of connexins at the plasma membrane in a ubiquitin-dependent manner. *Molecular Biology of the Cell*, **2012**, 23, 2156-69	3.5	102
147	Autophagy as a cell-repair mechanism: activation of chaperone-mediated autophagy during oxidative stress. *Molecular Aspects of Medicine*, **2006**, 27, 444-54	16.7	100
146	Connexins modulate autophagosome biogenesis. *Nature Cell Biology*, **2014**, 16, 401-14	23.4	98
145	Selective autophagy: talking with the UPS. *Cell Biochemistry and Biophysics*, **2013**, 67, 3-13	3.2	92
144	Store-Operated Ca Entry Controls Induction of Lipolysis and the Transcriptional Reprogramming to Lipid Metabolism. *Cell Metabolism*, **2017**, 25, 698-712	24.6	89
143	Interplay of pathogenic forms of human tau with different autophagic pathways. *Aging Cell*, **2018**, 17, e12692	9.9	89
142	Autophagy and the immune function in aging. *Current Opinion in Immunology*, **2014**, 29, 97-104	7.8	87
141	The lipid kinase PI4KIII preserves lysosomal identity. *EMBO Journal*, **2013**, 32, 324-39	13	86
140	Chaperone-mediated autophagy in health and disease. *FEBS Letters*, **2010**, 584, 1399-404	3.8	86
139	How do intracellular proteolytic systems change with age?. *Frontiers in Bioscience - Landmark*, **1998**, 3, d25-43	2.8	86
138	Transcription factor NFE2L2/NRF2 modulates chaperone-mediated autophagy through the regulation of LAMP2A. *Autophagy*, **2018**, 14, 1310-1322	10.2	86

137	Unifying nomenclature for the isoforms of the lysosomal membrane protein LAMP-2. *Traffic*, **2005**, 6, 1058-61	5.7	84
136	Induction of autophagy by cystatin C: a mechanism that protects murine primary cortical neurons and neuronal cell lines. *PLoS ONE*, **2010**, 5, e9819	3.7	84
135	Therapeutic effects of remediating autophagy failure in a mouse model of Alzheimer disease by enhancing lysosomal proteolysis. *Autophagy*, **2011**, 7, 788-9	10.2	80
134	Chaperone-mediated autophagy in aging and neurodegeneration: lessons from alpha-synuclein. *Experimental Gerontology*, **2007**, 42, 120-8	4.5	79
133	Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863	13	79
132	Direct lysosomal uptake of alpha 2-microglobulin contributes to chemically induced nephropathy. *Kidney International*, **1999**, 55, 529-45	9.9	78
131	Selective endosomal microautophagy is starvation-inducible in Drosophila. *Autophagy*, **2016**, 12, 1984-1999	10.2	78
130	Defective macroautophagic turnover of brain lipids in the TgCRND8 Alzheimer mouse model: prevention by correcting lysosomal proteolytic deficits. *Brain*, **2014**, 137, 3300-18	11.2	77
129	Synergy and antagonism of macroautophagy and chaperone-mediated autophagy in a cell model of pathological tau aggregation. *Autophagy*, **2010**, 6, 182-3	10.2	75
128	Proteome-wide analysis of chaperone-mediated autophagy targeting motifs. *PLoS Biology*, **2019**, 17, e3000301	9.7	73
127	-Synuclein-independent histopathological and motor deficits in mice lacking the endolysosomal Parkinsonism protein Atp13a2. *Journal of Neuroscience*, **2015**, 35, 5724-42	6.6	72
126	Autophagy is a gatekeeper of hepatic differentiation and carcinogenesis by controlling the degradation of Yap. *Nature Communications*, **2018**, 9, 4962	17.4	71
125	Mouse skeletal muscle fiber-type-specific macroautophagy and muscle wasting are regulated by a Fyn/STAT3/Vps34 signaling pathway. *Cell Reports*, **2012**, 1, 557-69	10.6	69
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121	LAPTM5: a novel lysosomal-associated multispanning membrane protein preferentially expressed in hematopoietic cells. *Genomics*, **1996**, 35, 328-37	4.3	66
120	Lysosomal Dysfunction in Down Syndrome Is APP-Dependent and Mediated by APP- CTF (C99). *Journal of Neuroscience*, **2019**, 39, 5255-5268	6.6	65

119	Autophagy, nutrition and immunology. *Molecular Aspects of Medicine*, **2012**, 33, 2-13	16.7	64
118	Autophagic pathways and metabolic stress. *Diabetes, Obesity and Metabolism*, **2010**, 12 Suppl 2, 4-14	6.7	64
117	Autophagy and neurodegeneration. *Current Neurology and Neuroscience Reports*, **2007**, 7, 443-51	6.6	62
116	Selective degradation of annexins by chaperone-mediated autophagy. *Journal of Biological Chemistry*, **2000**, 275, 33329-35	5.4	62
115	Early cellular changes after blockage of chaperone-mediated autophagy. *Autophagy*, **2008**, 4, 442-56	10.2	60
114	Modulation of deregulated chaperone-mediated autophagy by a phosphopeptide. *Autophagy*, **2015**, 11, 472-86	10.2	59
113	Chasing the elusive mammalian microautophagy. *Autophagy*, **2011**, 7, 652-4	10.2	58
112	Chaperone-mediated autophagy. *Methods in Molecular Biology*, **2008**, 445, 227-44	1.4	57
111	Age-related oxidative stress compromises endosomal proteostasis. *Cell Reports*, **2012**, 2, 136-49	10.6	56
110	Lysosomes, a meeting point of proteins, chaperones, and proteases. *Journal of Molecular Medicine*, **1998**, 76, 6-12	5.5	56
109	Chaperone-mediated autophagy prevents cellular transformation by regulating MYC proteasomal degradation. *Autophagy*, **2017**, 13, 928-940	10.2	55
108	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, 5353-66	12.9	54
107	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, 14088-98	5.4	54
106	Autophagy and primary cilia: dual interplay. *Current Opinion in Cell Biology*, **2016**, 39, 1-7	9	53
105	Aging as a Biological Target for Prevention and Therapy. *JAMA - Journal of the American Medical Association*, **2018**, 320, 1321-1322	27.4	53
104	Proteasome failure promotes positioning of lysosomes around the aggresome via local block of microtubule-dependent transport. *Molecular and Cellular Biology*, **2014**, 34, 1336-48	4.8	52
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102	Humanin is an endogenous activator of chaperone-mediated autophagy. *Journal of Cell Biology*, **2018**, 217, 635-647	7.3	51

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100	Disease-modifying pathways in neurodegeneration. *Journal of Neuroscience*, **2006**, 26, 10349-57	6.6	50
99	Methods to study chaperone-mediated autophagy. *Methods*, **2015**, 75, 133-40	4.6	49
98	Chaperones in autophagy. *Pharmacological Research*, **2012**, 66, 484-93	10.2	49
97	Coordinate regulation of mutant NPC1 degradation by selective ER autophagy and MARCH6-dependent ERAD. *Nature Communications*, **2018**, 9, 3671	17.4	49
96	Autophagy and regulation of cilia function and assembly. *Cell Death and Differentiation*, **2015**, 22, 389-97	12.7	48
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93	Chaperone-mediated autophagy: Dicer's wild idea about lysosomal selectivity. *Nature Reviews Molecular Cell Biology*, **2011**, 12, 535-41	48.7	46
92	Malfolded protein structure and proteostasis in lung diseases. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 189, 96-103	10.2	43
91	Promoting tau secretion and propagation by hyperactive p300/CBP via autophagy-lysosomal pathway in tauopathy. *Molecular Neurodegeneration*, **2020**, 15, 2	19	43
90	Autophagy in neurons: it is not all about food. *Trends in Molecular Medicine*, **2006**, 12, 461-4	11.5	41
89	Stimulatory effect of vitamin C on autophagy in glial cells. *Journal of Neurochemistry*, **2002**, 82, 538-49	6	41
88	Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. *Cell*, **2021**, 184, 2696-2714.e25	56.2	40
87	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, 393-8	3.6	40
86	The ULK1-FBXW5-SEC23B nexus controls autophagy. *ELife*, **2018**, 7,	8.9	39
85	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	5.4	38
84	Phosphorylation-regulated degradation of the tumor-suppressor form of PED by chaperone-mediated autophagy in lung cancer cells. *Journal of Cellular Physiology*, **2014**, 229, 1359-68	7	38

83	Chaperone-mediated autophagy sustains haematopoietic stem-cell function. *Nature*, **2021**, 591, 117-123	50.4	38
82	Structural and Biological Interaction of hsc-70 Protein with Phosphatidylserine in Endosomal Microautophagy. *Journal of Biological Chemistry*, **2016**, 291, 18096-106	5.4	37
81	Eps8 is recruited to lysosomes and subjected to chaperone-mediated autophagy in cancer cells. *Experimental Cell Research*, **2010**, 316, 1914-24	4.2	36
80	Autophagy and lipids: tightening the knot. *Seminars in Immunopathology*, **2010**, 32, 343-53	12	34
79	Entering the lysosome through a transient gate by chaperone-mediated autophagy. *Autophagy*, **2008**, 4, 1101-3	10.2	34
78	Autophagic defects in aging: looking for an "emergency exit"?. *Cell Cycle*, **2006**, 5, 1292-6	4.7	33
77	Annexin A2 promotes phagophore assembly by enhancing Atg16L+ vesicle biogenesis and homotypic fusion. *Nature Communications*, **2015**, 6, 5856	17.4	32
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75	Cell biology. Autophagy's top chef. *Science*, **2011**, 332, 1392-3	33.3	32
74	PKCζ Loss Induces Autophagy, Oxidative Phosphorylation, and NRF2 to Promote Liver Cancer Progression. *Cancer Cell*, **2020**, 38, 247-262.e11	24.3	31
73	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	9.4	31
72	Pros and Cons of Chaperone-Mediated Autophagy in Cancer Biology. *Trends in Endocrinology and Metabolism*, **2020**, 31, 53-66	8.8	31
71	Dietary intake of polyphenols and major food sources in an institutionalised elderly population. *Journal of Human Nutrition and Dietetics*, **2014**, 27, 176-83	3.1	29
70	Acetylated tau inhibits chaperone-mediated autophagy and promotes tau pathology propagation in mice. *Nature Communications*, **2021**, 12, 2238	17.4	29
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