

Daniel J Klionsky

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435
papers

73,011
citations

121
h-index

266
g-index

619
ext. papers

83,699
ext. citations

10.2
avg, IF

8.59
L-index

#	Paper	IF	Citations
435	Autophagy fights disease through cellular self-digestion. <i>Nature</i> , 2008 , 451, 1069-75	50.4	4910
434	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
433	Development by self-digestion: molecular mechanisms and biological functions of autophagy. <i>Developmental Cell</i> , 2004 , 6, 463-77	10.2	3089
432	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
431	Regulation mechanisms and signaling pathways of autophagy. <i>Annual Review of Genetics</i> , 2009 , 43, 67-93	14.5	2661
430	Autophagy as a regulated pathway of cellular degradation. <i>Science</i> , 2000 , 290, 1717-21	33.3	2645
429	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
428	Autophagy in health and disease: a double-edged sword. <i>Science</i> , 2004 , 306, 990-5	33.3	2103
427	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008 , 4, 151-75	10.2	1920
426	Autophagosome formation: core machinery and adaptations. <i>Nature Cell Biology</i> , 2007 , 9, 1102-9	23.4	1683
425	Eaten alive: a history of macroautophagy. <i>Nature Cell Biology</i> , 2010 , 12, 814-22	23.4	1574
424	Autophagy: from phenomenology to molecular understanding in less than a decade. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 931-7	48.7	1507
423	Mammalian autophagy: core molecular machinery and signaling regulation. <i>Current Opinion in Cell Biology</i> , 2010 , 22, 124-31	9	1453
422	A protein conjugation system essential for autophagy. <i>Nature</i> , 1998 , 395, 395-8	50.4	1265
421	The machinery of macroautophagy. <i>Cell Research</i> , 2014 , 24, 24-41	24.7	1222
420	A unified nomenclature for yeast autophagy-related genes. <i>Developmental Cell</i> , 2003 , 5, 539-45	10.2	1018
419	An overview of autophagy: morphology, mechanism, and regulation. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 460-73	8.4	998

418	Potential therapeutic applications of autophagy. <i>Nature Reviews Drug Discovery</i> , 2007 , 6, 304-12	64.1	815
417	The molecular machinery of autophagy: unanswered questions. <i>Journal of Cell Science</i> , 2005 , 118, 7-18	5.3	764
416	Endoplasmic reticulum stress triggers autophagy. <i>Journal of Biological Chemistry</i> , 2006 , 281, 30299-304	5.4	717
415	Atg32 is a mitochondrial protein that confers selectivity during mitophagy. <i>Developmental Cell</i> , 2009 , 17, 98-109	10.2	618
414	Protein turnover via autophagy: implications for metabolism. <i>Annual Review of Nutrition</i> , 2007 , 27, 19-40	9.9	613
413	The Atg8 and Atg12 ubiquitin-like conjugation systems in macroautophagy. 'Protein modifications: beyond the usual suspects' review series. <i>EMBO Reports</i> , 2008 , 9, 859-64	6.5	569
412	Methods for monitoring autophagy from yeast to human. <i>Autophagy</i> , 2007 , 3, 181-206	10.2	560
411	Atg8 controls phagophore expansion during autophagosome formation. <i>Molecular Biology of the Cell</i> , 2008 , 19, 3290-8	3.5	523
410	Cargo recognition and degradation by selective autophagy. <i>Nature Cell Biology</i> , 2018 , 20, 233-242	23.4	488
409	The regulation of autophagy - unanswered questions. <i>Journal of Cell Science</i> , 2011 , 124, 161-70	5.3	477
408	An overview of the molecular mechanism of autophagy. <i>Current Topics in Microbiology and Immunology</i> , 2009 , 335, 1-32	3.3	475
407	Autophagy in the eukaryotic cell. <i>Eukaryotic Cell</i> , 2002 , 1, 11-21		457
406	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
405	Physiological functions of Atg6/Beclin 1: a unique autophagy-related protein. <i>Cell Research</i> , 2007 , 17, 839-49	24.7	432
404	The Molecular Mechanism of Autophagy. <i>Molecular Medicine</i> , 2003 , 9, 65-76	6.2	414
403	Vacuolar import of proteins and organelles from the cytoplasm. <i>Annual Review of Cell and Developmental Biology</i> , 1999 , 15, 1-32	12.6	403
402	The Atg1-Atg13 complex regulates Atg9 and Atg23 retrieval transport from the pre-autophagosomal structure. <i>Developmental Cell</i> , 2004 , 6, 79-90	10.2	375
401	SNARE proteins are required for macroautophagy. <i>Cell</i> , 2011 , 146, 290-302	56.2	351

400	An Atg9-containing compartment that functions in the early steps of autophagosome biogenesis. <i>Journal of Cell Biology</i> , 2010 , 190, 1005-22	7.3	332
399	Autophagy: machinery and regulation. <i>Microbial Cell</i> , 2016 , 3, 588-596	3.9	330
398	The return of the nucleus: transcriptional and epigenetic control of autophagy. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 65-74	48.7	320
397	Mitochondria removal by autophagy. <i>Autophagy</i> , 2011 , 7, 297-300	10.2	314
396	Autophagy, cytoplasm-to-vacuole targeting pathway, and pexophagy in yeast and mammalian cells. <i>Annual Review of Biochemistry</i> , 2000 , 69, 303-42	29.1	314
395	Apg9p/Cvt7p is an integral membrane protein required for transport vesicle formation in the Cvt and autophagy pathways. <i>Journal of Cell Biology</i> , 2000 , 148, 465-80	7.3	313
394	Mechanism of cargo selection in the cytoplasm to vacuole targeting pathway. <i>Developmental Cell</i> , 2002 , 3, 825-37	10.2	296
393	Two distinct pathways for targeting proteins from the cytoplasm to the vacuole/lysosome. <i>Journal of Cell Biology</i> , 1997 , 139, 1687-95	7.3	278
392	Autophagic processes in yeast: mechanism, machinery and regulation. <i>Genetics</i> , 2013 , 194, 341-61	4	274
391	Cargo proteins facilitate the formation of transport vesicles in the cytoplasm to vacuole targeting pathway. <i>Journal of Biological Chemistry</i> , 2004 , 279, 29889-94	5.4	268
390	Autophagy revisited: a conversation with Christian de Duve. <i>Autophagy</i> , 2008 , 4, 740-3	10.2	266
389	Autophagy and human disease. <i>Cell Cycle</i> , 2007 , 6, 1837-49	4.7	266
388	The role of autophagy in Parkinson's disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2, a0093574	5.4	263
387	Mitophagy in yeast occurs through a selective mechanism. <i>Journal of Biological Chemistry</i> , 2008 , 283, 32386-93	5.4	262
386	Autophagosomes: biogenesis from scratch?. <i>Current Opinion in Cell Biology</i> , 2005 , 17, 415-22	9	243
385	Dissection of autophagosome biogenesis into distinct nucleation and expansion steps. <i>Journal of Cell Biology</i> , 2000 , 151, 1025-34	7.3	243
384	How to control self-digestion: transcriptional, post-transcriptional, and post-translational regulation of autophagy. <i>Trends in Cell Biology</i> , 2015 , 25, 354-63	18.3	238
383	AMPK-Mediated BECN1 Phosphorylation Promotes Ferroptosis by Directly Blocking System X Activity. <i>Current Biology</i> , 2018 , 28, 2388-2399.e5	6.3	234

382	Cvt9/Gsa9 functions in sequestering selective cytosolic cargo destined for the vacuole. <i>Journal of Cell Biology</i> , 2001 , 153, 381-96	7.3	223
381	The Cvt pathway as a model for selective autophagy. <i>FEBS Letters</i> , 2010 , 584, 1359-66	3.8	218
380	Ferroptosis is a type of autophagy-dependent cell death. <i>Seminars in Cancer Biology</i> , 2020 , 66, 89-100	12.7	215
379	The Atg1 kinase complex is involved in the regulation of protein recruitment to initiate sequestering vesicle formation for nonspecific autophagy in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2008 , 19, 668-81	3.5	213
378	Convergence of multiple autophagy and cytoplasm to vacuole targeting components to a perivacuolar membrane compartment prior to de novo vesicle formation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 763-73	5.4	213
377	Genetic and phenotypic overlap between autophagy and the cytoplasm to vacuole protein targeting pathway. <i>Journal of Biological Chemistry</i> , 1996 , 271, 17621-4	5.4	210
376	Trs85 directs a Ypt1 GEF, TRAPPIII, to the phagophore to promote autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7811-6	11.5	208
375	Aup1p, a yeast mitochondrial protein phosphatase homolog, is required for efficient stationary phase mitophagy and cell survival. <i>Journal of Biological Chemistry</i> , 2007 , 282, 5617-24	5.4	207
374	Atg11 links cargo to the vesicle-forming machinery in the cytoplasm to vacuole targeting pathway. <i>Molecular Biology of the Cell</i> , 2005 , 16, 1593-605	3.5	207
373	Atg9 cycles between mitochondria and the pre-autophagosomal structure in yeasts. <i>Autophagy</i> , 2005 , 1, 101-9	10.2	207
372	The histone H4 lysine 16 acetyltransferase hMOF regulates the outcome of autophagy. <i>Nature</i> , 2013 , 500, 468-71	50.4	206
371	Cvt19 is a receptor for the cytoplasm-to-vacuole targeting pathway. <i>Molecular Cell</i> , 2001 , 7, 1131-41	17.6	206
370	A comprehensive glossary of autophagy-related molecules and processes (2nd edition). <i>Autophagy</i> , 2011 , 7, 1273-94	10.2	205
369	How to live long and prosper: autophagy, mitochondria, and aging. <i>Physiology</i> , 2008 , 23, 248-62	9.8	203
368	Atg22 recycles amino acids to link the degradative and recycling functions of autophagy. <i>Molecular Biology of the Cell</i> , 2006 , 17, 5094-104	3.5	201
367	Dynamic regulation of macroautophagy by distinctive ubiquitin-like proteins. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 336-45	17.6	198
366	A genomic screen for yeast mutants defective in selective mitochondria autophagy. <i>Molecular Biology of the Cell</i> , 2009 , 20, 4730-8	3.5	198
365	Membrane recruitment of Aut7p in the autophagy and cytoplasm to vacuole targeting pathways requires Aut1p, Aut2p, and the autophagy conjugation complex. <i>Journal of Cell Biology</i> , 2001 , 152, 51-64	7.3	197

364	Posttranslational modification of autophagy-related proteins in macroautophagy. <i>Autophagy</i> , 2015 , 11, 28-45	10.2	196
363	Protein kinase A and Sch9 cooperatively regulate induction of autophagy in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2007 , 18, 4180-9	3.5	193
362	Atg17 regulates the magnitude of the autophagic response. <i>Molecular Biology of the Cell</i> , 2005 , 16, 3438-53	3.5	188
361	Apg7p/Cvt2p is required for the cytoplasm-to-vacuole targeting, macroautophagy, and peroxisome degradation pathways. <i>Molecular Biology of the Cell</i> , 1999 , 10, 1337-51	3.5	187
360	Potential function for the Huntingtin protein as a scaffold for selective autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16889-94	11.5	183
359	Endoplasmic reticulum stress: a new pathway to induce autophagy. <i>Autophagy</i> , 2007 , 3, 160-2	10.2	183
358	Atg21 is a phosphoinositide binding protein required for efficient lipidation and localization of Atg8 during uptake of aminopeptidase I by selective autophagy. <i>Molecular Biology of the Cell</i> , 2004 , 15, 3553-66	3.5	181
357	The itinerary of a vesicle component, Aut7p/Cvt5p, terminates in the yeast vacuole via the autophagy/Cvt pathways. <i>Journal of Biological Chemistry</i> , 2000 , 275, 5845-51	5.4	181
356	The scaffold protein Atg11 recruits fission machinery to drive selective mitochondria degradation by autophagy. <i>Developmental Cell</i> , 2013 , 26, 9-18	10.2	179
355	Apg13p and Vac8p are part of a complex of phosphoproteins that are required for cytoplasm to vacuole targeting. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25840-9	5.4	179
354	The molecular mechanism of autophagy. <i>Molecular Medicine</i> , 2003 , 9, 65-76	6.2	177
353	Molecular mechanisms of autophagy in the cardiovascular system. <i>Circulation Research</i> , 2015 , 116, 456-67	5.7	176
352	Autophagy in yeast: a review of the molecular machinery. <i>Cell Structure and Function</i> , 2002 , 27, 409-20	2.2	162
351	Eating the endoplasmic reticulum: quality control by autophagy. <i>Trends in Cell Biology</i> , 2007 , 17, 279-85	18.3	161
350	Recruitment of Atg9 to the preautophagosomal structure by Atg11 is essential for selective autophagy in budding yeast. <i>Journal of Cell Biology</i> , 2006 , 175, 925-35	7.3	161
349	Cvt18/Gsa12 is required for cytoplasm-to-vacuole transport, pexophagy, and autophagy in <i>Saccharomyces cerevisiae</i> and <i>Pichia pastoris</i> . <i>Molecular Biology of the Cell</i> , 2001 , 12, 3821-38	3.5	159
348	The conserved oligomeric Golgi complex is involved in double-membrane vesicle formation during autophagy. <i>Journal of Cell Biology</i> , 2010 , 188, 101-14	7.3	157
347	Dual roles of Atg8-PE deconjugation by Atg4 in autophagy. <i>Autophagy</i> , 2012 , 8, 883-92	10.2	157

346	The Ras/cAMP-dependent protein kinase signaling pathway regulates an early step of the autophagy process in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 20663-71	5.4	157
345	Autophagy-Dependent Ferroptosis: Machinery and Regulation. <i>Cell Chemical Biology</i> , 2020 , 27, 420-435	8.2	150
344	Aminopeptidase I is targeted to the vacuole by a nonclassical vesicular mechanism. <i>Journal of Cell Biology</i> , 1997 , 138, 37-44	7.3	150
343	Cooperative binding of the cytoplasm to vacuole targeting pathway proteins, Cvt13 and Cvt20, to phosphatidylinositol 3-phosphate at the pre-autophagosomal structure is required for selective autophagy. <i>Journal of Biological Chemistry</i> , 2002 , 277, 30198-207	5.4	150
342	Necrotic, apoptotic and autophagic cell fates triggered by nanoparticles. <i>Autophagy</i> , 2019 , 15, 4-33	10.2	150
341	Multiple roles of the cytoskeleton in autophagy. <i>Biological Reviews</i> , 2009 , 84, 431-48	13.5	149
340	An overview of macroautophagy in yeast. <i>Journal of Molecular Biology</i> , 2016 , 428, 1681-99	6.5	146
339	A role for Atg8-PE deconjugation in autophagosome biogenesis. <i>Autophagy</i> , 2012 , 8, 780-93	10.2	144
338	Post-Golgi Sec proteins are required for autophagy in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2010 , 21, 2257-69	3.5	144
337	Degradation of lipid vesicles in the yeast vacuole requires function of Cvt17, a putative lipase. <i>Journal of Biological Chemistry</i> , 2001 , 276, 2083-7	5.4	142
336	Chemical genetic analysis of Apg1 reveals a non-kinase role in the induction of autophagy. <i>Molecular Biology of the Cell</i> , 2003 , 14, 477-90	3.5	141
335	Approaching the molecular mechanism of autophagy. <i>Traffic</i> , 2001 , 2, 524-31	5.7	141
334	Atg27 is required for autophagy-dependent cycling of Atg9. <i>Molecular Biology of the Cell</i> , 2007 , 18, 581-93	9.5	139
333	Two MAPK-signaling pathways are required for mitophagy in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2011 , 193, 755-67	7.3	138
332	Clockophagy is a novel selective autophagy process favoring ferroptosis. <i>Science Advances</i> , 2019 , 5, eaaw4238	12.38	137
331	The mechanism and physiological function of macroautophagy. <i>Journal of Innate Immunity</i> , 2013 , 5, 427-33	8.3	137
330	Autophagy and disease: unanswered questions. <i>Cell Death and Differentiation</i> , 2020 , 27, 858-871	12.7	137
329	Assaying autophagic activity in transgenic GFP-Lc3 and GFP-Gabarap zebrafish embryos. <i>Autophagy</i> , 2009 , 5, 520-6	10.2	134

328	Ferroptosis: machinery and regulation. <i>Autophagy</i> , 2021 , 17, 2054-2081	10.2	131
327	Biochemical methods to monitor autophagy-related processes in yeast. <i>Methods in Enzymology</i> , 2008 , 451, 1-26	1.7	129
326	Autophagy. <i>Current Biology</i> , 2005 , 15, R282-3	6.3	128
325	Autophagy in yeast: mechanistic insights and physiological function. <i>Microbiology and Molecular Biology Reviews</i> , 2001 , 65, 463-79, table of contents	13.2	128
324	The actin cytoskeleton is required for selective types of autophagy, but not nonspecific autophagy, in the yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2005 , 16, 5843-56	3.5	127
323	A diacylglycerol-dependent signaling pathway contributes to regulation of antibacterial autophagy. <i>Cell Host and Microbe</i> , 2010 , 8, 137-46	23.4	126
322	Vacuolar localization of oligomeric alpha-mannosidase requires the cytoplasm to vacuole targeting and autophagy pathway components in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2001 , 276, 20491-8	5.4	125
321	Autophagy-dependent ferroptosis drives tumor-associated macrophage polarization via release and uptake of oncogenic KRAS protein. <i>Autophagy</i> , 2020 , 16, 2069-2083	10.2	125
320	A comprehensive glossary of autophagy-related molecules and processes. <i>Autophagy</i> , 2010 , 6, 438-48	10.2	123
319	Early stages of the secretory pathway, but not endosomes, are required for Cvt vesicle and autophagosome assembly in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2004 , 15, 2189-2043	3.5	123
318	Apg2 is a novel protein required for the cytoplasm to vacuole targeting, autophagy, and pexophagy pathways. <i>Journal of Biological Chemistry</i> , 2001 , 276, 30442-51	5.4	123
317	Transport of a large oligomeric protein by the cytoplasm to vacuole protein targeting pathway. <i>Journal of Cell Biology</i> , 1997 , 137, 609-18	7.3	120
316	The molecular mechanism of mitochondria autophagy in yeast. <i>Molecular Microbiology</i> , 2010 , 75, 795-800	4.1	119
315	The quantitative Pho8Delta60 assay of nonspecific autophagy. <i>Methods in Enzymology</i> , 2008 , 451, 33-42	1.7	116
314	The variability of autophagy and cell death susceptibility: Unanswered questions. <i>Autophagy</i> , 2013 , 9, 1270-85	10.2	112
313	Watch What You (Self-) Eat: Autophagic Mechanisms that Modulate Metabolism. <i>Cell Metabolism</i> , 2019 , 29, 803-826	24.6	110
312	AMPK-dependent phosphorylation of ULK1 induces autophagy. <i>Cell Metabolism</i> , 2011 , 13, 119-20	24.6	110
311	PINK1 and PARK2 Suppress Pancreatic Tumorigenesis through Control of Mitochondrial Iron-Mediated Immunometabolism. <i>Developmental Cell</i> , 2018 , 46, 441-455.e8	10.2	107

310	Mutation in ATG5 reduces autophagy and leads to ataxia with developmental delay. <i>ELife</i> , 2016 , 5,	8.9	107
309	Molecular mechanisms and regulation of specific and nonspecific autophagy pathways in yeast. <i>Journal of Biological Chemistry</i> , 2005 , 280, 41785-8	5.4	105
308	The regulation of aging: does autophagy underlie longevity?. <i>Trends in Cell Biology</i> , 2009 , 19, 487-94	18.3	103
307	The Ccz1-Mon1 protein complex is required for the late step of multiple vacuole delivery pathways. <i>Journal of Biological Chemistry</i> , 2002 , 277, 47917-27	5.4	98
306	Phosphatidylinositol-3-phosphate clearance plays a key role in autophagosome completion. <i>Current Biology</i> , 2012 , 22, 1545-53	6.3	96
305	Arp2 links autophagic machinery with the actin cytoskeleton. <i>Molecular Biology of the Cell</i> , 2008 , 19, 1963-75	7.5	96
304	Autophagy wins the 2016 Nobel Prize in Physiology or Medicine: Breakthroughs in baker's yeast fuel advances in biomedical research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 201-205	11.5	95
303	Regulation of autophagy: modulation of the size and number of autophagosomes. <i>FEBS Letters</i> , 2014 , 588, 2457-63	3.8	95
302	Yeast homotypic vacuole fusion requires the Ccz1-Mon1 complex during the tethering/docking stage. <i>Journal of Cell Biology</i> , 2003 , 163, 973-85	7.3	94
301	Autophagy and p70S6 kinase. <i>Autophagy</i> , 2005 , 1, 59-60; discussion 60-1	10.2	94
300	Roles of the lipid-binding motifs of Atg18 and Atg21 in the cytoplasm to vacuole targeting pathway and autophagy. <i>Journal of Biological Chemistry</i> , 2010 , 285, 11476-88	5.4	93
299	Antibacterial autophagy occurs at PI(3)P-enriched domains of the endoplasmic reticulum and requires Rab1 GTPase. <i>Autophagy</i> , 2011 , 7, 17-26	10.2	93
298	A cycling protein complex required for selective autophagy. <i>Autophagy</i> , 2007 , 3, 422-32	10.2	93
297	Quantitative analysis of autophagy-related protein stoichiometry by fluorescence microscopy. <i>Journal of Cell Biology</i> , 2008 , 182, 129-40	7.3	92
296	Self-interaction is critical for Atg9 transport and function at the phagophore assembly site during autophagy. <i>Molecular Biology of the Cell</i> , 2008 , 19, 5506-16	3.5	88
295	V1-situated stalk subunits of the yeast vacuolar proton-translocating ATPase. <i>Journal of Biological Chemistry</i> , 1997 , 272, 26787-93	5.4	86
294	Regulation of macroautophagy in <i>Saccharomyces cerevisiae</i> . <i>Seminars in Cell and Developmental Biology</i> , 2010 , 21, 664-70	7.5	84
293	Apg5p functions in the sequestration step in the cytoplasm-to-vacuole targeting and macroautophagy pathways. <i>Molecular Biology of the Cell</i> , 2000 , 11, 969-82	3.5	80

- 292 Autophagy in organelle homeostasis: peroxisome turnover. *Molecular Aspects of Medicine*, **2006**, 27, 483-497 79
- 291 Vps51 is part of the yeast Vps fifty-three tethering complex essential for retrograde traffic from the early endosome and Cvt vesicle completion. *Journal of Biological Chemistry*, **2003**, 278, 5009-20 5.4 79
- 290 Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863 13 79
- 289 The intense gravitational attraction of autophagy. *Autophagy*, **2013**, 9, 1127-1128 10.2 78
- 288 Glycolytic Enzymes Coalesce in G Bodies under Hypoxic Stress. *Cell Reports*, **2017**, 20, 895-908 10.6 77
- 287 Ume6 transcription factor is part of a signaling cascade that regulates autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11206-10 11.5 77
- 286 Delivery of proteins and organelles to the vacuole from the cytoplasm. *Current Opinion in Cell Biology*, **1998**, 10, 523-9 9 77
- 285 Rph1/KDM4 mediates nutrient-limitation signaling that leads to the transcriptional induction of autophagy. *Current Biology*, **2015**, 25, 546-55 6.3 73
- 284 Relieving autophagy and 4EBP1 from rapamycin resistance. *Molecular and Cellular Biology*, **2011**, 31, 2867-76 4.8 72
- 283 Deletion of autophagy inducer RB1CC1 results in degeneration of the retinal pigment epithelium. *Autophagy*, **2015**, 11, 939-53 10.2 71
- 282 Atg29 phosphorylation regulates coordination of the Atg17-Atg31-Atg29 complex with the Atg11 scaffold during autophagy initiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E2875-84 11.5 70
- 281 Autophagy plays a critical role in the degradation of active RHOA, the control of cell cytokinesis, and genomic stability. *Cancer Research*, **2013**, 73, 4311-22 10.1 69
- 280 A conserved mechanism of TOR-dependent RCK-mediated mRNA degradation regulates autophagy. *Nature Cell Biology*, **2015**, 17, 930-942 23.4 68
- 279 SnapShot: Selective autophagy. *Cell*, **2013**, 152, 368-368.e2 56.2 68
- 278 Mitochondrial DNA stress triggers autophagy-dependent ferroptotic death. *Autophagy*, **2021**, 17, 948-960 10.2 68
- 277 Autophagy core machinery: overcoming spatial barriers in neurons. *Journal of Molecular Medicine*, **2016**, 94, 1217-1227 5.5 67
- 276 Transcriptional regulation by Pho23 modulates the frequency of autophagosome formation. *Current Biology*, **2014**, 24, 1314-1322 6.3 66
- 275 Receptor protein complexes are in control of autophagy. *Autophagy*, **2012**, 8, 1701-5 10.2 66

274	Molecular machinery required for autophagy and the cytoplasm to vacuole targeting (Cvt) pathway in <i>S. cerevisiae</i> . <i>Current Opinion in Cell Biology</i> , 2002 , 14, 468-75	9	66
273	Monitoring mitophagy in yeast: the Om45-GFP processing assay. <i>Autophagy</i> , 2009 , 5, 1186-9	10.2	65
272	Aspartyl aminopeptidase is imported from the cytoplasm to the vacuole by selective autophagy in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2011 , 286, 13704-13	5.4	64
271	Noncanonical E2 recruitment by the autophagy E1 revealed by Atg7-Atg3 and Atg7-Atg10 structures. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 1242-9	17.6	63
270	Tap42-associated protein phosphatase type 2A negatively regulates induction of autophagy. <i>Autophagy</i> , 2009 , 5, 616-24	10.2	63
269	Atg23 is essential for the cytoplasm to vacuole targeting pathway and efficient autophagy but not pexophagy. <i>Journal of Biological Chemistry</i> , 2003 , 278, 48445-52	5.4	63
268	Trs85 is required for macroautophagy, pexophagy and cytoplasm to vacuole targeting in <i>Yarrowia lipolytica</i> and <i>Saccharomyces cerevisiae</i> . <i>Autophagy</i> , 2005 , 1, 37-45	10.2	61
267	Isolation and characterization of a novel yeast gene, ATH1, that is required for vacuolar acid trehalase activity. <i>Yeast</i> , 1995 , 11, 1015-25	3.4	61
266	Proteolytic processing of Atg32 by the mitochondrial i-AAA protease Yme1 regulates mitophagy. <i>Autophagy</i> , 2013 , 9, 1828-36	10.2	60
265	Mitochondria autophagy in yeast. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1989-2001	8.4	60
264	BECN1 is a new driver of ferroptosis. <i>Autophagy</i> , 2018 , 14, 2173-2175	10.2	59
263	Resolution of subunit interactions and cytoplasmic subcomplexes of the yeast vacuolar proton-translocating ATPase. <i>Journal of Biological Chemistry</i> , 1996 , 271, 10397-404	5.4	57
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