

Anne Simonsen

List of Publications by Citations

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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.

120
papers

19,342
citations

50
h-index

130
g-index

130
ext. papers

22,231
ext. citations

9.2
avg, IF

6.23
L-index

#	Paper	IF	Citations
120	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
119	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
118	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008 , 4, 151-75	10.2	1920
117	EEA1 links PI(3)K function to Rab5 regulation of endosome fusion. <i>Nature</i> , 1998 , 394, 494-8	50.4	937
116	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017 , 36, 1811-1836	13	857
115	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015 , 34, 856-80	13	801
114	Functional multivesicular bodies are required for autophagic clearance of protein aggregates associated with neurodegenerative disease. <i>Journal of Cell Biology</i> , 2007 , 179, 485-500	7.3	500
113	Promoting basal levels of autophagy in the nervous system enhances longevity and oxidant resistance in adult <i>Drosophila</i> . <i>Autophagy</i> , 2008 , 4, 176-84	10.2	495
112	FYVE fingers bind PtdIns(3)P. <i>Nature</i> , 1998 , 394, 432-3	50.4	465
111	The role of phosphoinositides in membrane transport. <i>Current Opinion in Cell Biology</i> , 2001 , 13, 485-92	9	423
110	Coordination of membrane events during autophagy by multiple class III PI3-kinase complexes. <i>Journal of Cell Biology</i> , 2009 , 186, 773-82	7.3	380
109	The selective macroautophagic degradation of aggregated proteins requires the PI3P-binding protein Alfy. <i>Molecular Cell</i> , 2010 , 38, 265-79	17.6	326
108	Ref(2)P, the <i>Drosophila melanogaster</i> homologue of mammalian p62, is required for the formation of protein aggregates in adult brain. <i>Journal of Cell Biology</i> , 2008 , 180, 1065-71	7.3	266
107	Alfy, a novel FYVE-domain-containing protein associated with protein granules and autophagic membranes. <i>Journal of Cell Science</i> , 2004 , 117, 4239-51	5.3	228
106	p62/SQSTM1 and ALFY interact to facilitate the formation of p62 bodies/ALIS and their degradation by autophagy. <i>Autophagy</i> , 2010 , 6, 330-44	10.2	224
105	TRIM proteins regulate autophagy and can target autophagic substrates by direct recognition. <i>Developmental Cell</i> , 2014 , 30, 394-409	10.2	217
104	A comprehensive glossary of autophagy-related molecules and processes (2nd edition). <i>Autophagy</i> , 2011 , 7, 1273-94	10.2	205

103	Autophagy contributes to therapy-induced degradation of the PML/RARA oncoprotein. <i>Blood</i> , 2010 , 116, 2324-31	2.2	204
102	The Rab5 effector EEA1 interacts directly with syntaxin-6. <i>Journal of Biological Chemistry</i> , 1999 , 274, 28857-60	5.4	190
101	Cellular functions of phosphatidylinositol 3-phosphate and FYVE domain proteins. <i>Biochemical Journal</i> , 2001 , 355, 249-258	3.8	174
100	Membrane dynamics in autophagosome biogenesis. <i>Journal of Cell Science</i> , 2015 , 128, 193-205	5.3	157
99	p62, Ref(2)P and ubiquitinated proteins are conserved markers of neuronal aging, aggregate formation and progressive autophagic defects. <i>Autophagy</i> , 2011 , 7, 572-83	10.2	146
98	Membrane remodeling by the PX-BAR protein SNX18 promotes autophagosome formation. <i>Journal of Cell Biology</i> , 2013 , 202, 331-49	7.3	128
97	The elimination of accumulated and aggregated proteins: a role for aggrephagy in neurodegeneration. <i>Neurobiology of Disease</i> , 2011 , 43, 17-28	7.5	122
96	Cellular functions of phosphatidylinositol 3-phosphate and FYVE domain proteins. <i>Biochemical Journal</i> , 2001 , 355, 249-58	3.8	117
95	The small GTPase Rab22 interacts with EEA1 and controls endosomal membrane trafficking. <i>Journal of Cell Science</i> , 2002 , 115, 899-911	5.3	111
94	Autophagy: more than a nonselective pathway. <i>International Journal of Cell Biology</i> , 2012 , 2012, 219625	2.6	107
93	The small GTPase Rab22 interacts with EEA1 and controls endosomal membrane trafficking. <i>Journal of Cell Science</i> , 2002 , 115, 899-911	5.3	102
92	Syntaxin-16, a putative Golgi t-SNARE. <i>European Journal of Cell Biology</i> , 1998 , 75, 223-31	6.1	101
91	The endosome fusion regulator early-endosomal autoantigen 1 (EEA1) is a dimer. <i>Biochemical Journal</i> , 1999 , 338, 539-543	3.8	99
90	Fighting disease by selective autophagy of aggregate-prone proteins. <i>FEBS Letters</i> , 2010 , 584, 2635-45	3.8	91
89	Distinct functions of ATG16L1 isoforms in membrane binding and LC3B lipidation in autophagy-related processes. <i>Nature Cell Biology</i> , 2019 , 21, 372-383	23.4	85
88	Targeting autophagy potentiates the apoptotic effect of histone deacetylase inhibitors in t(8;21) AML cells. <i>Blood</i> , 2013 , 122, 2467-76	2.2	82
87	ESCRT functions in autophagy and associated disease. <i>Cell Cycle</i> , 2008 , 7, 1166-72	4.7	82
86	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021 , 40, e108863	13	79

85	Organelle biogenesis and autophagy. <i>Molecular Biology of the Cell</i> , 2012 , 23, 981-981	3.5	78
84	Phosphoinositides and phagocytosis. <i>Journal of Cell Biology</i> , 2001 , 155, 15-7	7.3	78
83	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
82	Autophagosome biogenesis: From membrane growth to closure. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	71
81	Modulation of intracellular calcium homeostasis blocks autophagosome formation. <i>Autophagy</i> , 2013 , 9, 1475-90	10.2	70
80	A dual function for Deep orange in programmed autophagy in the <i>Drosophila melanogaster</i> fat body. <i>Experimental Cell Research</i> , 2006 , 312, 2018-27	4.2	69
79	Autophagy in healthy aging and disease.. <i>Nature Aging</i> , 2021 , 1, 634-650		69
78	NIPSNAP1 and NIPSNAP2 Act as "Eat Me" Signals for Mitophagy. <i>Developmental Cell</i> , 2019 , 49, 509-525. et al		67
77	Receptor protein complexes are in control of autophagy. <i>Autophagy</i> , 2012 , 8, 1701-5	10.2	66
76	ESCRT-mediated phagophore sealing during mitophagy. <i>Autophagy</i> , 2020 , 16, 826-841	10.2	62
75	PX domains: attracted by phosphoinositides. <i>Nature Cell Biology</i> , 2001 , 3, E179-82	23.4	59
74	UVRAG mutations associated with microsatellite unstable colon cancer do not affect autophagy. <i>Autophagy</i> , 2010 , 6, 863-70	10.2	57
73	Autophagy linked FYVE (Alfy/WDFY3) is required for establishing neuronal connectivity in the mammalian brain. <i>ELife</i> , 2016 , 5,	8.9	53
72	Genetic modifiers of the <i>Drosophila</i> blue cheese gene link defects in lysosomal transport with decreased life span and altered ubiquitinated-protein profiles. <i>Genetics</i> , 2007 , 176, 1283-97	4	52
71	Intracellular distribution of the MHC class II molecules and the associated invariant chain (Ii) in different cell lines. <i>International Immunology</i> , 1993 , 5, 903-17	4.9	51
70	Membrane Trafficking in Autophagy. <i>International Review of Cell and Molecular Biology</i> , 2018 , 336, 1-92	6	47
69	The endosome fusion regulator early-endosomal autoantigen 1 (EEA1) is a dimer. <i>Biochemical Journal</i> , 1999 , 338, 539	3.8	46
68	SNX18 regulates ATG9A trafficking from recycling endosomes by recruiting Dynamin-2. <i>EMBO Reports</i> , 2018 , 19,	6.5	45

67	TRAF6 mediates ubiquitination of KIF23/MKLP1 and is required for midbody ring degradation by selective autophagy. <i>Autophagy</i> , 2013 , 9, 1955-64	10.2	44
66	ESCRT proteins restrict constitutive NF- κ B signaling by trafficking cytokine receptors. <i>Science Signaling</i> , 2016 , 9, ra8	8.8	42
65	Studying Autophagy in Zebrafish. <i>Cells</i> , 2017 , 6,	7.9	42
64	Expression of a ULK1/2 binding-deficient ATG13 variant can partially restore autophagic activity in ATG13-deficient cells. <i>Autophagy</i> , 2015 , 11, 1471-83	10.2	40
63	Lipids in autophagy: constituents, signaling molecules and cargo with relevance to disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012 , 1821, 1133-45	5	39
62	HS1BP3 negatively regulates autophagy by modulation of phosphatidic acid levels. <i>Nature Communications</i> , 2016 , 7, 13889	17.4	38
61	Selective types of autophagy. <i>International Journal of Cell Biology</i> , 2012 , 2012, 156272	2.6	37
60	AXL Targeting Abrogates Autophagic Flux and Induces Immunogenic Cell Death in Drug-Resistant Cancer Cells. <i>Journal of Thoracic Oncology</i> , 2020 , 15, 973-999	8.9	36
59	Complex Relations Between Phospholipids, Autophagy, and Neutral Lipids. <i>Trends in Biochemical Sciences</i> , 2016 , 41, 907-923	10.3	35
58	MITF has a central role in regulating starvation-induced autophagy in melanoma. <i>Scientific Reports</i> , 2019 , 9, 1055	4.9	34
57	TBK1-mediated phosphorylation of LC3C and GABARAP-L2 controls autophagosome shedding by ATG4 protease. <i>EMBO Reports</i> , 2020 , 21, e48317	6.5	33
56	Thioridazine inhibits autophagy and sensitizes glioblastoma cells to temozolomide. <i>International Journal of Cancer</i> , 2019 , 144, 1735-1745	7.5	33
55	RAB24 facilitates clearance of autophagic compartments during basal conditions. <i>Autophagy</i> , 2015 , 11, 1833-48	10.2	32
54	Linking lysosomal trafficking defects with changes in aging and stress response in Drosophila. <i>Autophagy</i> , 2007 , 3, 499-501	10.2	32
53	Non-canonical autophagy drives alternative ATG8 conjugation to phosphatidylserine. <i>Molecular Cell</i> , 2021 , 81, 2031-2040.e8	17.6	30
52	Mechanisms and Pathophysiological Roles of the ATG8 Conjugation Machinery. <i>Cells</i> , 2019 , 8,	7.9	29
51	Quality control of the mitochondrion. <i>Developmental Cell</i> , 2021 , 56, 881-905	10.2	29
50	ESCRTing autophagic clearance of aggregating proteins. <i>Autophagy</i> , 2008 , 4, 233-236	10.2	28

49	Phosphoinositide-binding proteins in autophagy. <i>FEBS Letters</i> , 2016 , 590, 2454-68	3.8	26
48	Self-eating from an ER-associated cup. <i>Journal of Cell Biology</i> , 2008 , 182, 621-2	7.3	26
47	LYST affects lysosome size and quantity, but not trafficking or degradation through autophagy or endocytosis. <i>Traffic</i> , 2014 , 15, 1390-405	5.7	25
46	FYVE finger proteins as effectors of phosphatidylinositol 3-phosphate. <i>Chemistry and Physics of Lipids</i> , 1999 , 98, 87-94	3.7	25
45	Deubiquitinase inhibition by WP1130 leads to ULK1 aggregation and blockade of autophagy. <i>Autophagy</i> , 2015 , 11, 1458-70	10.2	24
44	The leucine-based motif DDQxxLI is recognized both for internalization and basolateral sorting of invariant chain in MDCK cells. <i>European Journal of Cell Biology</i> , 1998 , 76, 25-32	6.1	24
43	Nucleocytoplasmic Shuttling of FTO Does Not Affect Starvation-Induced Autophagy. <i>PLoS ONE</i> , 2017 , 12, e0168182	3.7	24
42	Toward the function of mammalian ATG12-ATG5-ATG16L1 complex in autophagy and related processes. <i>Autophagy</i> , 2019 , 15, 1485-1486	10.2	23
41	Rab7b modulates autophagic flux by interacting with Atg4B. <i>EMBO Reports</i> , 2017 , 18, 1727-1739	6.5	22
40	Radiation induces EIF2AK3/PERK and ERN1/IRE1 mediated pro-survival autophagy. <i>Autophagy</i> , 2019 , 15, 1391-1406	10.2	22
39	The Machado-Joseph disease deubiquitylase ataxin-3 interacts with LC3C/GABARAP and promotes autophagy. <i>Aging Cell</i> , 2020 , 19, e13051	9.9	20
38	Retinoic acid-induced IgG production in TLR-activated human primary B cells involves ULK1-mediated autophagy. <i>Autophagy</i> , 2015 , 11, 460-71	10.2	19
37	SNX18 tubulates recycling endosomes for autophagosome biogenesis. <i>Autophagy</i> , 2013 , 9, 1639-41	10.2	19
36	Bortezomib administered prior to temozolomide depletes MGMT, chemosensitizes glioblastoma with unmethylated MGMT promoter and prolongs animal survival. <i>British Journal of Cancer</i> , 2019 , 121, 545-555	8.7	18
35	NIPSNAP1 and NIPSNAP2 act as "eat me" signals to allow sustained recruitment of autophagy receptors during mitophagy. <i>Autophagy</i> , 2019 , 15, 1845-1847	10.2	18
34	Lipids and Lipid-Binding Proteins in Selective Autophagy. <i>Journal of Molecular Biology</i> , 2020 , 432, 135-159.5	5	17
33	Assays to monitor aggrephagy. <i>Methods</i> , 2015 , 75, 112-9	4.6	15
32	Quantitative analysis of autophagic activity in Drosophila neural tissues by measuring the turnover rates of pathway substrates. <i>Methods in Enzymology</i> , 2008 , 451, 639-51	1.7	15

31	Alfy-dependent elimination of aggregated proteins by macroautophagy: can there be too much of a good thing?. <i>Autophagy</i> , 2011 , 7, 346-50	10.2	14
30	The autophagy scaffold protein ALFY is critical for the granulocytic differentiation of AML cells. <i>Scientific Reports</i> , 2017 , 7, 12980	4.9	13
29	Autophagy: friend or foe in the treatment of fusion protein-associated leukemias?. <i>Autophagy</i> , 2013 , 9, 2175-7	10.2	13
28	Phenotypic Characterization of Larval Zebrafish (<i>Danio rerio</i>) with Partial Knockdown of the <i>cacna1a</i> Gene. <i>Molecular Neurobiology</i> , 2020 , 57, 1904-1916	6.2	13
27	Coupling of HIV-1 Antigen to the Selective Autophagy Receptor SQSTM1/p62 Promotes T-Cell-Mediated Immunity. <i>Frontiers in Immunology</i> , 2016 , 7, 167	8.4	13
26	Pretreatment of Glioblastoma with Bortezomib Potentiates Natural Killer Cell Cytotoxicity through TRAIL/DR5 Mediated Apoptosis and Prolongs Animal Survival. <i>Cancers</i> , 2019 , 11,	6.6	12
25	Autophagic degradation of an oncoprotein. <i>Autophagy</i> , 2010 , 6, 964-5	10.2	11
24	NBEAL1 controls SREBP2 processing and cholesterol metabolism and is a susceptibility locus for coronary artery disease. <i>Scientific Reports</i> , 2020 , 10, 4528	4.9	10
23	Actin shapes the autophagosome. <i>Nature Cell Biology</i> , 2015 , 17, 1094-6	23.4	9
22	cAMP-mediated autophagy inhibits DNA damage-induced death of leukemia cells independent of p53. <i>Oncotarget</i> , 2018 , 9, 30434-30449	3.3	9
21	Regulation of PRKN-independent mitophagy. <i>Autophagy</i> , 2021 , 1-16	10.2	8
20	Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. <i>Cell</i> , 2021 , 184, 5950-5969.e22	56.2	7
19	HS1BP3 inhibits autophagy by regulation of PLD1. <i>Autophagy</i> , 2017 , 13, 985-986	10.2	5
18	cytotoxin MakA induces noncanonical autophagy resulting in the spatial inhibition of canonical autophagy. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	5
17	Non-canonical autophagy drives alternative ATG8 conjugation to phosphatidylserine		5
16	GAK and PRKCD are positive regulators of PRKN-independent mitophagy. <i>Nature Communications</i> , 2021 , 12, 6101	17.4	4
15	Driving next-generation autophagy researchers towards translation (DRIVE), an international PhD training program on autophagy. <i>Autophagy</i> , 2019 , 15, 347-351	10.2	4
14	Don't forget to be picky - selective autophagy of protein aggregates in neurodegenerative diseases.. <i>Current Opinion in Cell Biology</i> , 2022 , 75, 102064	9	3

13	AUTOPHAGOSOME MATURATION, ENDOCYTOSIS AND NEURODEGENERATIVE DISEASE 2012 , 37-57		1
12	Identification of a novel compound that simultaneously impairs the ubiquitin-proteasome system and autophagy. <i>Autophagy</i> , 2021 , 1-17	10.2	1
11	The Vibrio cholerae cytotoxin MakA induces noncanonical autophagy resulting in the spatial inhibition of canonical autophagy		1
10	The various roles of invariant chain in the act of antigen Presentation 1996 , 15-41		1
9	GAK and PRKCD are positive regulators of PRKN-independent mitophagy		1
8	GRAMD1C promotes autophagy initiation and mitochondrial bioenergetics through regulation of ER-mitochondria cholesterol transport		1
7	Chloroquine treatment induces secretion of autophagy-related proteins and inclusion of Atg8-family proteins in distinct extracellular vesicle populations.. <i>Autophagy</i> , 2022 , 1-14	10.2	1
6	GAK and PRKCD kinases regulate basal mitophagy.. <i>Autophagy</i> , 2022 , 1-3	10.2	0
5	Autophagy modulates cell fate decisions during lineage commitment.. <i>Autophagy</i> , 2021 , 1-17	10.2	0
4	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. <i>Autophagy</i> , 2019 , 15, 1829-1833	10.2	2
3	Coordination of membrane events during autophagy by multiple class III PI3-kinase complexes. <i>Journal of Experimental Medicine</i> , 2009 , 206, i24-i24	16.6	
2	Confidence to go the way science takes you. <i>Nature Cell Biology</i> , 2018 , 20, 1009	23.4	
1	STAMP2 suppresses autophagy in prostate cancer cells by modulating the integrated stress response pathway.. <i>American Journal of Cancer Research</i> , 2022 , 12, 327-336	4.4	