

Anne Simonsen

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

24,700
citations

24978

57
h-index

22764

112
g-index

130
all docs

130
docs citations

130
times ranked

32931
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , 2008, 4, 151-175.	4.3	2,064
4	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	3.5	1,230
5	EEA1 links PI(3)K function to Rab5 regulation of endosome fusion. <i>Nature</i> , 1998, 394, 494-498.	13.7	1,036
6	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015, 34, 856-880.	3.5	1,012
7	Promoting basal levels of autophagy in the nervous system enhances longevity and oxidant resistance in adult <i>Drosophila</i> . <i>Autophagy</i> , 2008, 4, 176-184.	4.3	624
8	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615
9	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.	2.3	559
10	FYVE fingers bind PtdIns(3)P. <i>Nature</i> , 1998, 394, 432-433.	13.7	537
11	Autophagy in healthy aging and disease. <i>Nature Aging</i> , 2021, 1, 634-650.	5.3	467
12	The role of phosphoinositides in membrane transport. <i>Current Opinion in Cell Biology</i> , 2001, 13, 485-492.	2.6	445
13	Coordination of membrane events during autophagy by multiple class III PI3-kinase complexes. <i>Journal of Cell Biology</i> , 2009, 186, 773-782.	2.3	428
14	The Selective Macroautophagic Degradation of Aggregated Proteins Requires the PI3P-Binding Protein Alf. <i>Molecular Cell</i> , 2010, 38, 265-279.	4.5	390
15	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, 1065-1071.	2.3	369
16	p62/SQSTM1 and ALFY interact to facilitate the formation of p62 bodies/ALIS and their degradation by autophagy. <i>Autophagy</i> , 2010, 6, 330-344.	4.3	296
17	Alfy, a novel FYVE-domain-containing protein associated with protein granules and autophagic membranes. <i>Journal of Cell Science</i> , 2004, 117, 4239-4251.	1.2	271
18	TRIM Proteins Regulate Autophagy and Can Target Autophagic Substrates by Direct Recognition. <i>Developmental Cell</i> , 2014, 30, 394-409.	3.1	269

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19	A comprehensive glossary of autophagy-related molecules and processes (2 nd edition). <i>Autophagy</i> , 2011, 7, 1273-1294.	4.3	255
20	Autophagy contributes to therapy-induced degradation of the PML/RARA oncoprotein. <i>Blood</i> , 2010, 116, 2324-2331.	0.6	235
21	The Rab5 Effector EEA1 Interacts Directly with Syntaxin-6. <i>Journal of Biological Chemistry</i> , 1999, 274, 28857-28860.	1.6	217
22	p62, Ref(2)P and ubiquitinated proteins are conserved markers of neuronal aging, aggregate formation and progressive autophagic defects. <i>Autophagy</i> , 2011, 7, 572-583.	4.3	204
23	Cellular functions of phosphatidylinositol 3-phosphate and FYVE domain proteins. <i>Biochemical Journal</i> , 2001, 355, 249-258.	1.7	197
24	Autophagosome biogenesis: From membrane growth to closure. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	185
25	Membrane dynamics in autophagosome biogenesis. <i>Journal of Cell Science</i> , 2015, 128, 193-205.	1.2	178
26	Membrane remodeling by the PX-BAR protein SNX18 promotes autophagosome formation. <i>Journal of Cell Biology</i> , 2013, 202, 331-349.	2.3	154
27	Quality control of the mitochondrion. <i>Developmental Cell</i> , 2021, 56, 881-905.	3.1	148
28	The elimination of accumulated and aggregated proteins: A role for aggrephagy in neurodegeneration. <i>Neurobiology of Disease</i> , 2011, 43, 17-28.	2.1	147
29	Distinct functions of ATG16L1 isoforms in membrane binding and LC3B lipidation in autophagy-related processes. <i>Nature Cell Biology</i> , 2019, 21, 372-383.	4.6	143
30	Cellular functions of phosphatidylinositol 3-phosphate and FYVE domain proteins. <i>Biochemical Journal</i> , 2001, 355, 249.	1.7	140
31	The small GTPase Rab22 interacts with EEA1 and controls endosomal membrane trafficking. <i>Journal of Cell Science</i> , 2002, 115, 899-911.	1.2	129
32	Autophagy: More Than a Nonselective Pathway. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-18.	1.0	128
33	ESCRT-mediated phagophore sealing during mitophagy. <i>Autophagy</i> , 2020, 16, 826-841.	4.3	119
34	The endosome fusion regulator early-endosomal autoantigen 1 (EEA1) is a dimer. <i>Biochemical Journal</i> , 1999, 338, 539-543.	1.7	109
35	Syntaxin-16, a putative Golgi t-SNARE. <i>European Journal of Cell Biology</i> , 1998, 75, 223-231.	1.6	106
36	The small GTPase Rab22 interacts with EEA1 and controls endosomal membrane trafficking. <i>Journal of Cell Science</i> , 2002, 115, 899-911.	1.2	105

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37	Fighting disease by selective autophagy of aggregate-prone proteins. FEBS Letters, 2010, 584, 2635-2645.	1.3	104
38	NIPSNAP1 and NIPSNAP2 Act as "Eat Me" Signals for Mitophagy. Developmental Cell, 2019, 49, 509-525.e12.3.1		104
39	Targeting autophagy potentiates the apoptotic effect of histone deacetylase inhibitors in t(8;21) AML cells. Blood, 2013, 122, 2467-2476.	0.6	101
40	Non-canonical autophagy drives alternative ATG8 conjugation to phosphatidylserine. Molecular Cell, 2021, 81, 2031-2040.e8.	4.5	100
41	Structural determinants in GABARAP required for the selective binding and recruitment of ALFY to LC3-positive structures. EMBO Reports, 2014, 15, 557-565.	2.0	96
42	ESCRT functions in autophagy and associated disease. Cell Cycle, 2008, 7, 1166-1172.	1.3	94
43	Phosphoinositides and phagocytosis. Journal of Cell Biology, 2001, 155, 15-18.	2.3	93
44	Modulation of intracellular calcium homeostasis blocks autophagosome formation. Autophagy, 2013, 9, 1475-1490.	4.3	83
45	Genetic Modifiers of the Drosophila Blue Cheese Gene Link Defects in Lysosomal Transport With Decreased Life Span and Altered Ubiquitinated-Protein Profiles. Genetics, 2007, 176, 1283-1297.	1.2	78
46	Autophagy linked FYVE (Alfy/WDFY3) is required for establishing neuronal connectivity in the mammalian brain. ELife, 2016, 5, .	2.8	78
47	Receptor protein complexes are in control of autophagy. Autophagy, 2012, 8, 1701-1705.	4.3	77
48	Membrane Trafficking in Autophagy. International Review of Cell and Molecular Biology, 2018, 336, 1-92.	1.6	77
49	Regulation of PRKN-independent mitophagy. Autophagy, 2022, 18, 24-39.	4.3	74
50	A dual function for Deep orange in programmed autophagy in the Drosophila melanogaster fat body. Experimental Cell Research, 2006, 312, 2018-2027.	1.2	73
51	SNX18 regulates ATG9A trafficking from recycling endosomes by recruiting Dynamin2. EMBO Reports, 2018, 19, .	2.0	73
52	PX domains: attracted by phosphoinositides. Nature Cell Biology, 2001, 3, E179-E181.	4.6	69
53	The endosome fusion regulator early-endosomal autoantigen 1 (EEA1) is a dimer. Biochemical Journal, 1999, 338, 539.	1.7	66
54	MITF has a central role in regulating starvation-induced autophagy in melanoma. Scientific Reports, 2019, 9, 1055.	1.6	66

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55	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.	0.5	66
56	ESCRT proteins restrict constitutive NF- κ B signaling by trafficking cytokine receptors. <i>Science Signaling</i> , 2016, 9, ra8.	1.6	64
57	<i>UVRAG</i> mutations associated with microsatellite unstable colon cancer do not affect autophagy. <i>Autophagy</i> , 2010, 6, 863-870.	4.3	63
58	Thioridazine inhibits autophagy and sensitizes glioblastoma cells to temozolomide. <i>International Journal of Cancer</i> , 2019, 144, 1735-1745.	2.3	63
59	TRAF6 mediates ubiquitination of KIF23/MKLP1 and is required for midbody ring degradation by selective autophagy. <i>Autophagy</i> , 2013, 9, 1955-1964.	4.3	61
60	Expression of a ULK1/2 binding-deficient ATG13 variant can partially restore autophagic activity in ATG13-deficient cells. <i>Autophagy</i> , 2015, 11, 1471-1483.	4.3	61
61	Studying Autophagy in Zebrafish. <i>Cells</i> , 2017, 6, 21.	1.8	59
62	TBK1-mediated phosphorylation of LC3C and GABARAP β 2 controls autophagosome shedding by ATG4 protease. <i>EMBO Reports</i> , 2020, 21, e48317.	2.0	58
63	Mechanisms and Pathophysiological Roles of the ATG8 Conjugation Machinery. <i>Cells</i> , 2019, 8, 973.	1.8	57
64	Intracellular distribution of the MHC class II molecules and the associated invariant chain (Ii) in different cell lines. <i>International Immunology</i> , 1993, 5, 903-917.	1.8	56
65	HS1BP3 negatively regulates autophagy by modulation of phosphatidic acid levels. <i>Nature Communications</i> , 2016, 7, 13889.	5.8	54
66	Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. <i>Cell</i> , 2021, 184, 5950-5969.e22.	13.5	54
67	Toward the function of mammalian ATG12-ATG5-ATG16L1 complex in autophagy and related processes. <i>Autophagy</i> , 2019, 15, 1485-1486.	4.3	52
68	Selective Types of Autophagy. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-2.	1.0	51
69	Radiation induces EIF2AK3/PERK and ERN1/IRE1 mediated pro-survival autophagy. <i>Autophagy</i> , 2019, 15, 1391-1406.	4.3	50
70	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.	2.9	49
71	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, 1133-1145.	1.2	47
72	Complex Relations Between Phospholipids, Autophagy, and Neutral Lipids. <i>Trends in Biochemical Sciences</i> , 2016, 41, 907-923.	3.7	41

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73	RAB24 facilitates clearance of autophagic compartments during basal conditions. <i>Autophagy</i> , 2015, 11, 1833-1848.	4.3	40
74	<sc>LYST</sc> Affects Lysosome Size and Quantity, but not Trafficking or Degradation Through Autophagy or Endocytosis. <i>Traffic</i> , 2014, 15, 1390-1405.	1.3	37
75	Lipids and Lipid-Binding Proteins in Selective Autophagy. <i>Journal of Molecular Biology</i> , 2020, 432, 135-159.	2.0	36
76	GAK and PRKCD are positive regulators of PRKN-independent mitophagy. <i>Nature Communications</i> , 2021, 12, 6101.	5.8	36
77	Linking Lysosomal Trafficking Defects with Changes in Aging and Stress Response in <i>Drosophila</i> . <i>Autophagy</i> , 2007, 3, 499-501.	4.3	35
78	Deubiquitinase inhibition by WP1130 leads to ULK1 aggregation and blockade of autophagy. <i>Autophagy</i> , 2015, 11, 1458-1470.	4.3	35
79	NIPSNAP1 and NIPSNAP2 act as "eat me"-signals to allow sustained recruitment of autophagy receptors during mitophagy. <i>Autophagy</i> , 2019, 15, 1845-1847.	4.3	35
80	ESCRTing autophagic clearance of aggregating proteins. <i>Autophagy</i> , 2008, 4, 233-236.	4.3	34
81	The Machado-Joseph disease deubiquitylase ataxin-3 interacts with LC3C/GABARAP and promotes autophagy. <i>Aging Cell</i> , 2020, 19, e13051.	3.0	33
82	Phosphoinositide-binding proteins in autophagy. <i>FEBS Letters</i> , 2016, 590, 2454-2468.	1.3	32
83	Nucleocytoplasmic Shuttling of FTO Does Not Affect Starvation-Induced Autophagy. <i>PLoS ONE</i> , 2017, 12, e0168182.	1.1	31
84	Self-eating from an ER-associated cup. <i>Journal of Cell Biology</i> , 2008, 182, 621-622.	2.3	29
85	FYVE finger proteins as effectors of phosphatidylinositol 3-phosphate. <i>Chemistry and Physics of Lipids</i> , 1999, 98, 87-94.	1.5	28
86	Pretreatment of Glioblastoma with Bortezomib Potentiates Natural Killer Cell Cytotoxicity through TRAIL/DR5 Mediated Apoptosis and Prolongs Animal Survival. <i>Cancers</i> , 2019, 11, 996.	1.7	28
87	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.	1.9	28
88	Rab7b modulates autophagic flux by interacting with Atg4B. <i>EMBO Reports</i> , 2017, 18, 1727-1739.	2.0	27
89	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.	1.6	25
90	SNX18 tubulates recycling endosomes for autophagosome biogenesis. <i>Autophagy</i> , 2013, 9, 1639-1641.	4.3	23

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91	Retinoic acid-induced IgG production in TLR-activated human primary B cells involves ULK1-mediated autophagy. <i>Autophagy</i> , 2015, 11, 460-471.	4.3	23
92	cAMP-mediated autophagy inhibits DNA damage-induced death of leukemia cells independent of p53. <i>Oncotarget</i> , 2018, 9, 30434-30449.	0.8	20
93	NBEAL1 controls SREBP2 processing and cholesterol metabolism and is a susceptibility locus for coronary artery disease. <i>Scientific Reports</i> , 2020, 10, 4528.	1.6	20
94	Assays to monitor aggrephagy. <i>Methods</i> , 2015, 75, 112-119.	1.9	19
95	Chloroquine treatment induces secretion of autophagy-related proteins and inclusion of Atg8-family proteins in distinct extracellular vesicle populations. <i>Autophagy</i> , 2022, 18, 2547-2560.	4.3	18
96	Chapter Thirty-Five Quantitative Analysis of Autophagic Activity in Drosophila Neural Tissues by Measuring the Turnover Rates of Pathway Substrates. <i>Methods in Enzymology</i> , 2008, 451, 639-651.	0.4	17
97	Autophagy. <i>Autophagy</i> , 2013, 9, 2175-2177.	4.3	16
98	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.	2.2	16
99	Autophagic degradation of an oncoprotein. <i>Autophagy</i> , 2010, 6, 964-965.	4.3	15
100	Alfy-dependent elimination of aggregated proteins by macroautophagy. <i>Autophagy</i> , 2011, 7, 346-350.	4.3	15
101	The autophagy scaffold protein ALFY is critical for the granulocytic differentiation of AML cells. <i>Scientific Reports</i> , 2017, 7, 12980.	1.6	15
102	Actin shapes the autophagosome. <i>Nature Cell Biology</i> , 2015, 17, 1094-1096.	4.6	11
103	<i>Vibrio cholerae</i> cytotoxin MakA induces noncanonical autophagy resulting in the spatial inhibition of canonical autophagy. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	8
104	GAK and PRKCD kinases regulate basal mitophagy. <i>Autophagy</i> , 2022, 18, 467-469.	4.3	8
105	Don't forget to be picky – selective autophagy of protein aggregates in neurodegenerative diseases. <i>Current Opinion in Cell Biology</i> , 2022, 75, 102064.	2.6	8
106	Autophagy modulates cell fate decisions during lineage commitment. <i>Autophagy</i> , 2022, 18, 1915-1931.	4.3	8
107	HS1BP3 inhibits autophagy by regulation of PLD1. <i>Autophagy</i> , 2017, 13, 985-986.	4.3	7
108	Phenotypic Assay Leads to Discovery of Mitophagy Inducers with Therapeutic Potential for Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4512-4523.	1.7	7

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109	Targeted protein degradation: from small molecules to complex organelles—a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2022, 1510, 79-99.	1.8	5
110	Driving next-generation autophagy researchers towards translation (DRIVE), an international PhD training program on autophagy. <i>Autophagy</i> , 2019, 15, 347-351.	4.3	4
111	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. <i>Autophagy</i> , 2018, 14, 925-929.	4.3	3
112	Identification of a novel compound that simultaneously impairs the ubiquitin-proteasome system and autophagy. <i>Autophagy</i> , 2022, 18, 1486-1502.	4.3	2
113	AUTOPHAGOSOME MATURATION, ENDOCYTOSIS AND NEURODEGENERATIVE DISEASE. , 2012, , 37-57.		1
114	The various roles of invariant chain in the act of antigen Presentation. , 1996, , 15-41.		1
115	ALFY localizes to early endosomes and cellular protrusions to facilitate directional cell migration. <i>Journal of Cell Science</i> , 2022, , .	1.2	1
116	Stimulating the cell's appetite for itself. <i>Nature Chemical Biology</i> , 2007, 3, 304-306.	3.9	0
117	Organelle biogenesis and autophagy. <i>Molecular Biology of the Cell</i> , 2012, 23, 981-981.	0.9	0
118	Confidence to go the way science takes you. <i>Nature Cell Biology</i> , 2018, 20, 1009-1009.	4.6	0
119	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. <i>Autophagy</i> , 2019, 15, 1829-1833.	4.3	0
120	Coordination of membrane events during autophagy by multiple class III PI3-kinase complexes. <i>Journal of Experimental Medicine</i> , 2009, 206, i24-i24.	4.2	0
121	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.	1.4	0
122	Bortezomib sensitization of recurrent glioblastoma with unmethylated <i>MGMT </i>promoter to temozolomide, a phase II study (NCT03643549).. <i>Journal of Clinical Oncology</i> , 2022, 40, TPS2081-TPS2081.	0.8	0