Eeva-Liisa Eskelinen

List of Publications by Year
in descending order

122 papers	29,161 citations	20759 60 h-index	21474 114 g-index
125 all docs	125 docs citations	125 times ranked	37145 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
4	Promotion of tumorigenesis by heterozygous disruption of the beclin 1 autophagy gene. Journal of Clinical Investigation, 2003, 112, 1809-1820.	3.9	1,957
5	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	3.5	1,230
6	Autophagy Genes Are Essential for Dauer Development and Life-Span Extension in C. elegans. Science, 2003, 301, 1387-1391.	6.0	1,200
7	Accumulation of autophagic vacuoles and cardiomyopathy in LAMP-2-deficient mice. Nature, 2000, 406, 902-906.	13.7	836
8	Role for Rab7 in maturation of late autophagic vacuoles. Journal of Cell Science, 2004, 117, 4837-4848.	1.2	781
9	Regulation of starvation- and virus-induced autophagy by the eIF2Â kinase signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 190-195.	3.3	706
10	Roles of LAMP-1 and LAMP-2 in lysosome biogenesis and autophagy. Molecular Aspects of Medicine, 2006, 27, 495-502.	2.7	701
11	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	3.5	615
12	3D tomography reveals connections between the phagophore and endoplasmic reticulum. Autophagy, 2009, 5, 1180-1185.	4.3	595
13	Autophagy: A lysosomal degradation pathway with a central role in health and disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 664-673.	1.9	581
14	At the acidic edge: emerging functions for lysosomal membrane proteins. Trends in Cell Biology, 2003, 13, 137-145.	3.6	564
15	Maturation of Autophagic Vacuoles in Mammalian Cells. Autophagy, 2005, 1, 1-10.	4.3	544
16	LAMP proteins are required for fusion of lysosomes with phagosomes. EMBO Journal, 2007, 26, 313-324.	3.5	542
17	The apoptosis/autophagy paradox: autophagic vacuolization before apoptotic death. Journal of Cell Science, 2005, 118, 3091-3102.	1.2	487
18	Î¼1A-adaptin-deficient mice: lethality, loss of AP-1 binding and rerouting of mannose 6-phosphate receptors. EMBO Journal, 2000, 19, 2193-2203.	3.5	388

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19	Promoting the clearance of neurotoxic proteins in neurodegenerative disorders of ageing. Nature Reviews Drug Discovery, 2018, 17, 660-688.	21.5	370
20	Role of LAMP-2 in Lysosome Biogenesis and Autophagy. Molecular Biology of the Cell, 2002, 13, 3355-3368.	0.9	309
21	A comprehensive glossary of autophagy-related molecules and processes (2ndedition). Autophagy, 2011, 7, 1273-1294.	4.3	255
22	Seeing is believing: The impact of electron microscopy on autophagy research. Autophagy, 2011, 7, 935-956.	4.3	246
23	Rac is required for constitutive macropinocytosis by dendritic cells but does not control its downregulation. Current Biology, 2000, 10, 839-848.	1.8	245
24	Disturbed Cholesterol Traffic but Normal Proteolytic Function in LAMP-1/LAMP-2 Double-deficient Fibroblasts. Molecular Biology of the Cell, 2004, 15, 3132-3145.	0.9	241
25	Chapter 10 Monitoring Autophagy by Electron Microscopy in Mammalian Cells. Methods in Enzymology, 2009, 452, 143-164.	0.4	227
26	LAMP-2: A control step for phagosome and autophagosome maturation. Autophagy, 2008, 4, 510-512.	4.3	190
27	Piecemeal Microautophagy of the Nucleus Requires the Core Macroautophagy Genes. Molecular Biology of the Cell, 2008, 19, 4492-4505.	0.9	187
28	The dual role of autophagy in cancer. Current Opinion in Pharmacology, 2011, 11, 294-300.	1.7	184
29	Aut5/Cvt17p, a Putative Lipase Essential for Disintegration of Autophagic Bodies inside the Vacuole. Journal of Bacteriology, 2001, 183, 5942-5955.	1.0	182
30	Autophagosomes, phagosomes, autolysosomes, phagolysosomes, autophagolysosomesâ€¦ Wait, Iâ€™m confused. Autophagy, 2014, 10, 549-551.	4.3	168
31	To be or not to be? Examples of incorrect identification of autophagic compartments in conventional transmission electron microscopy of mammalian cells. Autophagy, 2008, 4, 257-260.	4.3	165
32	Inhibition of Autophagy in Mitotic Animal Cells. Traffic, 2002, 3, 878-893.	1.3	163
33	Calpain is required for macroautophagy in mammalian cells. Journal of Cell Biology, 2006, 175, 595-605.	2.3	159
34	p62/SQSTM1-droplet serves as a platform for autophagosome formation and anti-oxidative stress response. Nature Communications, 2021, 12, 16.	5.8	137
35	A role for the lysosomal membrane protein LGP85 in the biogenesis and maintenance of endosomal and lysosomal morphology. Journal of Cell Science, 2002, 115, 4117-4131.	1.2	132
36	Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. Nature Communications, 2018, 9, 256.	5.8	132

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37	Beclin 2 Functions in Autophagy, Degradation of G Protein-Coupled Receptors, and Metabolism. Cell, 2013, 154, 1085-1099.	13.5	130
38	New Insights into the Mechanisms of Macroautophagy in Mammalian Cells. International Review of Cell and Molecular Biology, 2008, 266, 207-247.	1.6	128
39	Role of FK506-binding protein 51 in the control of apoptosis of irradiated melanoma cells. Cell Death and Differentiation, 2010, 17, 145-157.	5.0	123
40	Cdc48/p97 and Shp1/p47 regulate autophagosome biogenesis in concert with ubiquitin-like Atg8. Journal of Cell Biology, 2010, 190, 965-973.	2.3	120
41	Ultrastructural relationship of the phagophore with surrounding organelles. Autophagy, 2015, 11, 439-451.	4.3	117
42	Crosstalk between Hsp70 molecular chaperone, lysosomes and proteasomes in autophagyâ€mediated proteolysis in human retinal pigment epithelial cells. Journal of Cellular and Molecular Medicine, 2009, 13, 3616-3631.	1.6	114
43	Heat shock proteins as gatekeepers of proteolytic pathwaysâ€”Implications for age-related macular degeneration (AMD). Ageing Research Reviews, 2009, 8, 128-139.	5.0	113
44	Parkin and Mitofusins Reciprocally Regulate Mitophagy and Mitochondrial Spheroid Formation. Journal of Biological Chemistry, 2012, 287, 42379-42388.	1.6	112
45	Deletion of the SNARE vti1b in Mice Results in the Loss of a Single SNARE Partner, Syntaxin 8. Molecular and Cellular Biology, 2003, 23, 5198-5207.	1.1	110
46	Palmitoyl protein thioesterase (PPT) localizes into synaptosomes and synaptic vesicles in neurons: implications for infantile neuronal ceroid lipofuscinosis (INCL). Human Molecular Genetics, 2001, 10, 69-75.	1.4	107
47	Unifying Nomenclature for the Isoforms of the Lysosomal Membrane Protein LAMP-2. Traffic, 2005, 6, 1058-1061.	1.3	107
48	Selective Autophagy of Mitochondria on a Ubiquitin-Endoplasmic-Reticulum Platform. Developmental Cell, 2019, 50, 627-643.e5.	3.1	101
49	The intramembrane protease SPPL2a promotes B cell development and controls endosomal traffic by cleavage of the invariant chain. Journal of Experimental Medicine, 2013, 210, 41-58.	4.2	100
50	Electron Microscopic Analysis of a Spherical Mitochondrial Structure. Journal of Biological Chemistry, 2012, 287, 42373-42378.	1.6	94
51	Fine Structure of the Autophagosome. Methods in Molecular Biology, 2008, 445, 11-28.	0.4	93
52	BECN1 is involved in the initiation of mitophagy. Autophagy, 2014, 10, 1105-1119.	4.3	92
53	Trs85 (Gsg1), a Component of the TRAPP Complexes, Is Required for the Organization of the Preautophagosomal Structure during Selective Autophagy via the Cvt Pathway. Journal of Biological Chemistry, 2005, 280, 33669-33678.	1.6	84
54	Prostatic Acid Phosphatase Is Not a Prostate Specific Target. Cancer Research, 2007, 67, 6549-6554.	0.4	83

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55	Doctor Jekyll and Mister Hyde: autophagy can promote both cell survival and cell death. Cell Death and Differentiation, 2005, 12, 1468-1472.	5.0	79
56	Autophagy in neuronal cells: general principles and physiological and pathological functions. Acta Neuropathologica, 2015, 129, 337-362.	3.9	78
57	Arrested maturation ofNeisseria-containing phagosomes in the absence of the lysosome-associated membrane proteins, LAMP-1 and LAMP-2. Cellular Microbiology, 2007, 9, 2153-2166.	1.1	70
58	Role for LAMP-2 in endosomal cholesterol transport. Journal of Cellular and Molecular Medicine, 2011, 15, 280-295.	1.6	70
59	Autophagy: Supporting cellular and organismal homeostasis by self-eating. International Journal of Biochemistry and Cell Biology, 2019, 111, 1-10.	1.2	69
60	Impaired Phagosomal Maturation in Neutrophils Leads to Periodontitis in Lysosomal-Associated Membrane Protein-2 Knockout Mice. Journal of Immunology, 2008, 180, 475-482.	0.4	67
61	Intravacuolar Membrane Lysis in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2003, 278, 7810-7821.	1.6	59
62	Î¼1A deficiency induces a profound increase in MPR300/IGF-II receptor internalization rate. Journal of Cell Science, 2001, 114, 4469-4476.	1.2	56
63	Atg21 Is Required for Effective Recruitment of Atg8 to the Preautophagosomal Structure during the Cvt Pathway. Journal of Biological Chemistry, 2004, 279, 37741-37750.	1.6	54
64	Deafness in LIMP2-deficient mice due to early loss of the potassium channel KCNQ1/KCNE1 in marginal cells of the stria vascularis. Journal of Physiology, 2006, 576, 73-86.	1.3	54
65	Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. Cell, 2021, 184, 5950-5969.e22.	13.5	54
66	Mannose 6-phosphate receptors, Niemann-Pick C2 protein, and lysosomal cholesterol accumulation. Journal of Lipid Research, 2005, 46, 2559-2569.	2.0	52
67	Autophagy inhibition by targeting PIKfyve potentiates response to immune checkpoint blockade in prostate cancer. Nature Cancer, 2021, 2, 978-993.	5.7	52
68	Oncogenic ras-induced Down-regulation of Autophagy Mediator Beclin-1 Is Required for Malignant Transformation of Intestinal Epithelial Cells. Journal of Biological Chemistry, 2010, 285, 5438-5449.	1.6	50
69	Piecemeal microautophagy of the nucleus: Genetic and morphological traits. Autophagy, 2009, 5, 270-272.	4.3	48
70	Quantitative Proteomics of Extracellular Vesicles Released from Human Monocyte-Derived Macrophages upon Î²-Glucan Stimulation. Journal of Proteome Research, 2014, 13, 2468-2477.	1.8	44
71	Calpain as a Novel Regulator of Autophagosome Formation. Autophagy, 2007, 3, 235-237.	4.3	41
72	RAB24 facilitates clearance of autophagic compartments during basal conditions. Autophagy, 2015, 11, 1833-1848.	4.3	40

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73	TRIM17 contributes to autophagy of midbodies while actively sparing other targets from degradation. Journal of Cell Science, 2016, 129, 3562-3573.	1.2	40
74	Deficit in PINK1/PARKIN-mediated mitochondrial autophagy at late stages of dystrophic cardiomyopathy. Cardiovascular Research, 2018, 114, 90-102.	1.8	39
75	A non-conserved miRNA regulates lysosomal function and impacts on a human lysosomal storage disorder. Nature Communications, 2014, 5, 5840.	5.8	38
76	Mammalian Atg8 proteins regulate lysosome and autolysosome biogenesis through <scp>SNARE</scp> s. EMBO Journal, 2019, 38, e101994.	3.5	37
77	The vacuole vs. the lysosome. Autophagy, 2014, 10, 185-187.	4.3	34
78	The versatile electron microscope: An ultrastructural overview of autophagy. Methods, 2015, 75, 44-53.	1.9	33
79	2BC Non-Structural Protein of Enterovirus A71 Interacts with SNARE Proteins to Trigger Autolysosome Formation. Viruses, 2017, 9, 169.	1.5	32
80	Double membranes vs. lipid bilayers, and their significance for correct identification of macroautophagic structures. Autophagy, 2011, 7, 931-932.	4.3	30
81	Hypoxia-induced downregulation of autophagy mediator Beclin-1 reduces the susceptibility of malignant intestinal epithelial cells to hypoxia-dependent apoptosis. Autophagy, 2009, 5, 1166-1179.	4.3	28
82	Alterations of autophagy in the peripheral neuropathy Charcot-Marie-Tooth type 2B. Autophagy, 2018, 14, 1-12.	4.3	27
83	Alteration of the late endocytic pathway in Charcotâ€“Marieâ€“Tooth type 2B disease. Cellular and Molecular Life Sciences, 2021, 78, 351-372.	2.4	27
84	Depletion of TM6SF2 disturbs membrane lipid composition and dynamics in HuH7 hepatoma cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 676-685.	1.2	26
85	Two dileucine motifs mediate late endosomal/lysosomal targeting of transmembrane protein 192 (TMEM192) and a C-terminal cysteine residue is responsible for disulfide bond formation in TMEM192 homodimers. Biochemical Journal, 2011, 434, 219-231.	1.7	25
86	The polarized epitheliaâ€specific Î¼1Bâ€adaptin complements Î¼1Aâ€deficiency in fibroblasts. EMBO Reports, 2002, 3, 471-477.	2.0	23
87	Roles for RAB24 in autophagy and disease. Small GTPases, 2018, 9, 57-65.	0.7	22
88	Disruption of the vacuolar-type H+-ATPase complex in liver causes MTORC1-independent accumulation of autophagic vacuoles and lysosomes. Autophagy, 2017, 13, 670-685.	4.3	19
89	Vacuole membrane protein 1 marks endoplasmic reticulum subdomains enriched in phospholipid synthesizing enzymes and is required for phosphoinositide distribution. Traffic, 2018, 19, 624-638.	1.3	18
90	The spectrum of neurodevelopmental, neuromuscular and neurodegenerative disorders due to defective autophagy. Autophagy, 2022, 18, 496-517.	4.3	18

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91	Live longer with LAMP-2. Nature Medicine, 2008, 14, 909-910.	15.2	17
92	Basal Autophagy Is Altered in Lagotto Romagnolo Dogs with an ATG4D Mutation. Veterinary Pathology, 2017, 54, 953-963.	0.8	16
93	GIMAP6 is required for T cell maintenance and efficient autophagy in mice. PLoS ONE, 2018, 13, e0196504.	1.1	15
94	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	15
95	Glycans in autophagy, endocytosis and lysosomal functions. Glycoconjugate Journal, 2021, 38, 625-647.	1.4	15
96	ER-Targeted Beclin 1 Supports Autophagosome Biogenesis in the Absence of ULK1 and ULK2 Kinases. Cells, 2019, 8, 475.	1.8	12
97	Calpain mobilizes Atg9/Bif-1 vesicles from Golgi stacks upon autophagy induction by thapsigargin. Biology Open, 2017, 6, 551-562.	0.6	11
98	Correlative Light and Electron Microscopy of Autophagosomes. Methods in Molecular Biology, 2019, 1880, 199-209.	0.4	10
99	Follicular lymphoma-associated mutations in the V-ATPase chaperone VMA21 activate autophagy creating a targetable dependency. Autophagy, 2022, 18, 1982-2000.	4.3	9
100	The mystery of the membranes. Autophagy, 2008, 4, 3-4.	4.3	6
101	Macroautophagy in Mammalian Cells. , 2005, , 166-180.		5
102	A Computer-Vision-Guided Robot Arm for Automatically Placing Grids in Pioloform Film Preparation. Methods and Protocols, 2019, 2, 9.	0.9	5
103	p62/SQSTM1 droplets initiate autophagosome biogenesis and oxidative stress control. Molecular and Cellular Oncology, 2021, 8, 1890990.	0.3	5
104	Driving next-generation autophagy researchers towards translation (DRIVE), an international PhD training program on autophagy. Autophagy, 2019, 15, 347-351.	4.3	4
105	Design and Evaluation of Autophagy-Inducing Particles for the Treatment of Abnormal Lipid Accumulation. Pharmaceutics, 2022, 14, 1379.	2.0	4
106	Do mitochondria donate membrane to form autophagosomes or undergo remodeling to form mitochondrial spheroids?. Cell and Bioscience, 2014, 4, 65.	2.1	3
107	Ultrastructural Characterization of Phagophores Using Electron Tomography on Cryoimmobilized and Freeze Substituted Samples. Methods in Enzymology, 2017, 587, 331-349.	0.4	3
108	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. Autophagy, 2018, 14, 925-929.	4.3	3

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109	<scp>RNA</scp>, a new member in the <scp>glycanâ€club</scp> that gets exposed at the cell surface. Traffic, 2021, 22, 362-363.	1.3	3
110	Tracing uptake of C3dg-conjugated antigen into B cells via complement receptor type 2 (CR2, CD21). Blood, 2000, 95, 2617-2623.	0.6	3
111	Persistent coxsackievirus B1 infection triggers extensive changes in the transcriptome of human pancreatic ductal cells. IScience, 2022, 25, 103653.	1.9	3
112	Cheating on ubiquitin with Atg8. Autophagy, 2011, 7, 250-251.	4.3	2
113	Altered Basal Autophagy Affects Extracellular Vesicle Release in Cells of Lagotto Romagnolo Dogs With a Variant ATG4D. Veterinary Pathology, 2020, 57, 926-935.	0.8	2
114	The Novel Inducer of Innate Immunity HO53 Stimulates Autophagy in Human Airway Epithelial Cells. Journal of Innate Immunity, 2022, 14, 477-492.	1.8	2
115	Abstract 4153: Therapeutic targeting autophagy to sensitize cancer immunotherapy in various cancer types. , 2019, , .		1
116	Modified LC3 Dot Quantification Method. Methods in Molecular Biology, 2022, 2445, 53-64.	0.4	1
117	Transport of lysosomal membrane proteins from the Golgi complex to lysosomes. , 2008, , 414-424.		0
118	Role of Endoplasmic Reticulum in the Formation of Phagophores/Autophagosomes. , 2015, , 57-68.		0
119	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. Autophagy, 2019, 15, 1829-1833.	4.3	0
120	Traffic: A new board, a new journey. Traffic, 2021, 22, 4-5.	1.3	0
121	New tricks for the old autophagy protein Atg8. Nature Structural and Molecular Biology, 2021, 28, 536-537.	3.6	0
122	Ultrastructure of the Macroautophagy Pathway in Mammalian Cells. Neuromethods, 2022, , 13-21.	0.2	0