

# Eeva-Liisa Eskelinen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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.

113  
papers

23,843  
citations

57  
h-index

124  
g-index

124  
ext. papers

26,539  
ext. citations

9.8  
avg. IF

6.61  
L-index

#	Paper	IF	Citations
113	The Novel Inducer of Innate Immunity HO53 Stimulates Autophagy in Human Airway Epithelial Cells.. <i>Journal of Innate Immunity</i> , <b>2022</b> , 1-16	6.9	0
112	Modified LC3 Dot Quantification Method.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2445, 53-64	1.4	
111	Persistent coxsackievirus B1 infection triggers extensive changes in the transcriptome of human pancreatic ductal cells.. <i>iScience</i> , <b>2022</b> , 25, 103653	6.1	1
110	Ultrastructure of the Macroautophagy Pathway in Mammalian Cells. <i>Neuromethods</i> , <b>2022</b> , 13-21	0.4	
109	Follicular lymphoma-associated mutations in the V-ATPase chaperone VMA21 activate autophagy creating a targetable dependency.. <i>Autophagy</i> , <b>2022</b> ,	10.2	1
108	Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. <i>Cell</i> , <b>2021</b> , 184, 5950-5969.e22	56.2	7
107	p62/SQSTM1 droplets initiate autophagosome biogenesis and oxidative stress control. <i>Molecular and Cellular Oncology</i> , <b>2021</b> , 8, 1890990	1.2	3
106	Alteration of the late endocytic pathway in Charcot-Marie-Tooth type 2B disease. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 351-372	10.3	10
105	p62/SQSTM1-droplet serves as a platform for autophagosome formation and anti-oxidative stress response. <i>Nature Communications</i> , <b>2021</b> , 12, 16	17.4	46
104	New tricks for the old autophagy protein Atg8. <i>Nature Structural and Molecular Biology</i> , <b>2021</b> , 28, 536-537.6		
103	Autophagy in major human diseases. <i>EMBO Journal</i> , <b>2021</b> , 40, e108863	13	79
102	Glycans in autophagy, endocytosis and lysosomal functions. <i>Glycoconjugate Journal</i> , <b>2021</b> , 38, 625-647	3	3
101	RNA, a new member in the glycan-club that gets exposed at the cell surface. <i>Traffic</i> , <b>2021</b> , 22, 362-363	5.7	1
100	Autophagy Inhibition by Targeting PIKfyve Potentiates Response to Immune Checkpoint Blockade in Prostate Cancer. <i>Nature Cancer</i> , <b>2021</b> , 2, 978-993	15.4	4
99	The spectrum of neurodevelopmental, neuromuscular and neurodegenerative disorders due to defective autophagy. <i>Autophagy</i> , <b>2021</b> , 1-22	10.2	2
98	Altered Basal Autophagy Affects Extracellular Vesicle Release in Cells of Lagotto Romagnolo Dogs With a Variant. <i>Veterinary Pathology</i> , <b>2020</b> , 57, 926-935	2.8	0
97	ER-Targeted Beclin 1 Supports Autophagosome Biogenesis in the Absence of ULK1 and ULK2 Kinases. <i>Cells</i> , <b>2019</b> , 8,	7.9	6

96	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. <i>Autophagy</i> , <b>2019</b> , 15, 1829-1833	10.2	47
95	A Computer-Vision-Guided Robot Arm for Automatically Placing Grids in Pioloform Film Preparation. <i>Methods and Protocols</i> , <b>2019</b> , 2, 9	2.5	2
94	Autophagy: Supporting cellular and organismal homeostasis by self-eating. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2019</b> , 111, 1-10	5.6	47
93	Selective Autophagy of Mitochondria on a Ubiquitin-Endoplasmic-Reticulum Platform. <i>Developmental Cell</i> , <b>2019</b> , 50, 627-643.e5	10.2	60
92	Mammalian Atg8 proteins regulate lysosome and autolysosome biogenesis through SNAREs. <i>EMBO Journal</i> , <b>2019</b> , 38, e101994	13	24
91	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2019</b> , 2019,	5	4
90	Driving next-generation autophagy researchers towards translation (DRIVE), an international PhD training program on autophagy. <i>Autophagy</i> , <b>2019</b> , 15, 347-351	10.2	4
89	Correlative Light and Electron Microscopy of Autophagosomes. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1880, 199-209	1.4	5
88	Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. <i>Nature Communications</i> , <b>2018</b> , 9, 256	17.4	90
87	Roles for RAB24 in autophagy and disease. <i>Small GTPases</i> , <b>2018</b> , 9, 57-65	2.7	15
86	Deficit in PINK1/PARKIN-mediated mitochondrial autophagy at late stages of dystrophic cardiomyopathy. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 90-102	9.9	21
85	GIMAP6 is required for T cell maintenance and efficient autophagy in mice. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196504	3.7	5
84	Vacuole membrane protein 1 marks endoplasmic reticulum subdomains enriched in phospholipid synthesizing enzymes and is required for phosphoinositide distribution. <i>Traffic</i> , <b>2018</b> , 19, 624-638	5.7	13
83	Promoting the clearance of neurotoxic proteins in neurodegenerative disorders of ageing. <i>Nature Reviews Drug Discovery</i> , <b>2018</b> , 17, 660-688	64.1	232
82	Alterations of autophagy in the peripheral neuropathy Charcot-Marie-Tooth type 2B. <i>Autophagy</i> , <b>2018</b> , 14, 930-941	10.2	22
81	Disruption of the vacuolar-type H-ATPase complex in liver causes MTORC1-independent accumulation of autophagic vacuoles and lysosomes. <i>Autophagy</i> , <b>2017</b> , 13, 670-685	10.2	12
80	Depletion of TM6SF2 disturbs membrane lipid composition and dynamics in HuH7 hepatoma cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2017</b> , 1862, 676-685	5	18
79	Basal Autophagy Is Altered in Lagotto Romagnolo Dogs with an ATG4D Mutation. <i>Veterinary Pathology</i> , <b>2017</b> , 54, 953-963	2.8	11

78	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , <b>2017</b> , 36, 1811-1836	13	857
77	Calpain mobilizes Atg9/Bif-1 vesicles from Golgi stacks upon autophagy induction by thapsigargin. <i>Biology Open</i> , <b>2017</b> , 6, 551-562	2.2	9
76	2BC Non-Structural Protein of Enterovirus A71 Interacts with SNARE Proteins to Trigger Autolysosome Formation. <i>Viruses</i> , <b>2017</b> , 9,	6.2	24
75	Ultrastructural Characterization of Phagophores Using Electron Tomography on Cryoimmobilized and Freeze Substituted Samples. <i>Methods in Enzymology</i> , <b>2017</b> , 587, 331-349	1.7	3
74	TRIM17 contributes to autophagy of midbodies while actively sparing other targets from degradation. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 3562-3573	5.3	27
73	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
72	Ultrastructural relationship of the phagophore with surrounding organelles. <i>Autophagy</i> , <b>2015</b> , 11, 439-510.2	10.2	89
71	Role of Endoplasmic Reticulum in the Formation of Phagophores/Autophagosomes: Three-Dimensional Morphology <b>2015</b> , 57-68		
70	The versatile electron microscope: an ultrastructural overview of autophagy. <i>Methods</i> , <b>2015</b> , 75, 44-53	4.6	25
69	RAB24 facilitates clearance of autophagic compartments during basal conditions. <i>Autophagy</i> , <b>2015</b> , 11, 1833-48	10.2	32
68	Autophagy in neuronal cells: general principles and physiological and pathological functions. <i>Acta Neuropathologica</i> , <b>2015</b> , 129, 337-62	14.3	63
67	Quantitative proteomics of extracellular vesicles released from human monocyte-derived macrophages upon $\beta$ -glucan stimulation. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 2468-77	5.6	38
66	Do mitochondria donate membrane to form autophagosomes or undergo remodeling to form mitochondrial spheroids?. <i>Cell and Bioscience</i> , <b>2014</b> , 4, 65	9.8	3
65	A non-conserved miRNA regulates lysosomal function and impacts on a human lysosomal storage disorder. <i>Nature Communications</i> , <b>2014</b> , 5, 5840	17.4	30
64	BECN1 is involved in the initiation of mitophagy: it facilitates PARK2 translocation to mitochondria. <i>Autophagy</i> , <b>2014</b> , 10, 1105-19	10.2	78
63	Beclin 2 functions in autophagy, degradation of G protein-coupled receptors, and metabolism. <i>Cell</i> , <b>2013</b> , 154, 1085-1099	56.2	115
62	The intramembrane protease SPPL2a promotes B cell development and controls endosomal traffic by cleavage of the invariant chain. <i>Journal of Experimental Medicine</i> , <b>2013</b> , 210, 41-58	16.6	87
61	Electron microscopic analysis of a spherical mitochondrial structure. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 42373-8	5.4	72

60	Parkin and mitofusins reciprocally regulate mitophagy and mitochondrial spheroid formation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 42379-88	5.4	95
59	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.2	5.2	2783
58	The dual role of autophagy in cancer. <i>Current Opinion in Pharmacology</i> , <b>2011</b> , 11, 294-300	5.1	151
57	Seeing is believing: the impact of electron microscopy on autophagy research. <i>Autophagy</i> , <b>2011</b> , 7, 935-560.2	5.2	201
56	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. <i>Biochemical Journal</i> , <b>2011</b> , 434, 219-31	3.8	21
55	Role for LAMP-2 in endosomal cholesterol transport. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 280-95	5.6	56
54	Cheating on ubiquitin with Atg8. <i>Autophagy</i> , <b>2011</b> , 7, 250-1	10.2	2
53	A comprehensive glossary of autophagy-related molecules and processes (2nd edition). <i>Autophagy</i> , <b>2011</b> , 7, 1273-94	10.2	205
52	Role of FK506-binding protein 51 in the control of apoptosis of irradiated melanoma cells. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 145-57	12.7	102
51	Cdc48/p97 and Shp1/p47 regulate autophagosome biogenesis in concert with ubiquitin-like Atg8. <i>Journal of Cell Biology</i> , <b>2010</b> , 190, 965-73	7.3	108
50	Oncogenic ras-induced down-regulation of autophagy mediator Beclin-1 is required for malignant transformation of intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 5438-49	5.4	46
49	Hypoxia-induced downregulation of autophagy mediator Beclin 1 reduces the susceptibility of malignant intestinal epithelial cells to hypoxia-dependent apoptosis. <i>Autophagy</i> , <b>2009</b> , 5, 1166-79	10.2	24
48	3D tomography reveals connections between the phagophore and endoplasmic reticulum. <i>Autophagy</i> , <b>2009</b> , 5, 1180-5	10.2	490
47	Piecemeal microautophagy of the nucleus: genetic and morphological traits. <i>Autophagy</i> , <b>2009</b> , 5, 270-2	10.2	46
46	Crosstalk between Hsp70 molecular chaperone, lysosomes and proteasomes in autophagy-mediated proteolysis in human retinal pigment epithelial cells. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 3616-31	5.6	100
45	Autophagy: a lysosomal degradation pathway with a central role in health and disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2009</b> , 1793, 664-73	4.9	522
44	Monitoring autophagy by electron microscopy in Mammalian cells. <i>Methods in Enzymology</i> , <b>2009</b> , 452, 143-64	1.7	199
43	Heat shock proteins as gatekeepers of proteolytic pathways-Implications for age-related macular degeneration (AMD). <i>Ageing Research Reviews</i> , <b>2009</b> , 8, 128-39	12	94

42	Fine structure of the autophagosome. <i>Methods in Molecular Biology</i> , <b>2008</b> , 445, 11-28	1.4	85
41	Transport of lysosomal membrane proteins from the Golgi complex to lysosomes <b>2008</b> , 414-424		
40	New insights into the mechanisms of macroautophagy in mammalian cells. <i>International Review of Cell and Molecular Biology</i> , <b>2008</b> , 266, 207-47	6	110
39	LAMP-2: a control step for phagosome and autophagosome maturation. <i>Autophagy</i> , <b>2008</b> , 4, 510-2	10.2	147
38	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , <b>2008</b> , 4, 151-75	10.2	1920
37	Piecemeal microautophagy of the nucleus requires the core macroautophagy genes. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 4492-505	3.5	158
36	Impaired phagosomal maturation in neutrophils leads to periodontitis in lysosomal-associated membrane protein-2 knockout mice. <i>Journal of Immunology</i> , <b>2008</b> , 180, 475-82	5.3	60
35	To be or not to be? Examples of incorrect identification of autophagic compartments in conventional transmission electron microscopy of mammalian cells. <i>Autophagy</i> , <b>2008</b> , 4, 257-60	10.2	140
34	LAMP proteins are required for fusion of lysosomes with phagosomes. <i>EMBO Journal</i> , <b>2007</b> , 26, 313-24	13	454
33	Arrested maturation of Neisseria-containing phagosomes in the absence of the lysosome-associated membrane proteins, LAMP-1 and LAMP-2. <i>Cellular Microbiology</i> , <b>2007</b> , 9, 2153-66	3.9	60
32	Calpain as a novel regulator of autophagosome formation. <i>Autophagy</i> , <b>2007</b> , 3, 235-7	10.2	33
31	Prostatic acid phosphatase is not a prostate specific target. <i>Cancer Research</i> , <b>2007</b> , 67, 6549-54	10.1	70
30	Calpain is required for macroautophagy in mammalian cells. <i>Journal of Cell Biology</i> , <b>2006</b> , 175, 595-605	7.3	147
29	Roles of LAMP-1 and LAMP-2 in lysosome biogenesis and autophagy. <i>Molecular Aspects of Medicine</i> , <b>2006</b> , 27, 495-502	16.7	509
28	Deafness in LIMP2-deficient mice due to early loss of the potassium channel KCNQ1/KCNE1 in marginal cells of the stria vascularis. <i>Journal of Physiology</i> , <b>2006</b> , 576, 73-86	3.9	46
27	Macroautophagy in Mammalian Cells <b>2005</b> , 166-180		4
26	Doctor Jekyll and Mister Hyde: autophagy can promote both cell survival and cell death. <i>Cell Death and Differentiation</i> , <b>2005</b> , 12 Suppl 2, 1468-72	12.7	68
25	Unifying nomenclature for the isoforms of the lysosomal membrane protein LAMP-2. <i>Traffic</i> , <b>2005</b> , 6, 1058-61	5.7	84

24	Mannose 6-phosphate receptors, Niemann-Pick C2 protein, and lysosomal cholesterol accumulation. <i>Journal of Lipid Research</i> , <b>2005</b> , 46, 2559-69	6.3	46
23	Trs85 (Gsg1), a component of the TRAPP complexes, is required for the organization of the preautophagosomal structure during selective autophagy via the Cvt pathway. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 33669-78	5.4	75
22	The apoptosis/autophagy paradox: autophagic vacuolization before apoptotic death. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 3091-102	5.3	431
21	Maturation of autophagic vacuoles in Mammalian cells. <i>Autophagy</i> , <b>2005</b> , 1, 1-10	10.2	493
20	Disturbed cholesterol traffic but normal proteolytic function in LAMP-1/LAMP-2 double-deficient fibroblasts. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 3132-45	3.5	208
19	Atg21 is required for effective recruitment of Atg8 to the preautophagosomal structure during the Cvt pathway. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 37741-50	5.4	40
18	Role for Rab7 in maturation of late autophagic vacuoles. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 4837-48	5.3	697
17	Intravacuolar membrane lysis in <i>Saccharomyces cerevisiae</i> . Does vacuolar targeting of Cvt17/Aut5p affect its function?. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 7810-21	5.4	45
16	Promotion of tumorigenesis by heterozygous disruption of the beclin 1 autophagy gene. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 1809-20	15.9	1683
15	At the acidic edge: emerging functions for lysosomal membrane proteins. <i>Trends in Cell Biology</i> , <b>2003</b> , 13, 137-45	18.3	495
14	Autophagy genes are essential for dauer development and life-span extension in <i>C. elegans</i> . <i>Science</i> , <b>2003</b> , 301, 1387-91	33.3	1029
13	Deletion of the SNARE vti1b in mice results in the loss of a single SNARE partner, syntaxin 8. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 5198-207	4.8	95
12	Inhibition of autophagy in mitotic animal cells. <i>Traffic</i> , <b>2002</b> , 3, 878-93	5.7	150
11	Regulation of starvation- and virus-induced autophagy by the eIF2alpha kinase signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 190-5	11.5	619
10	A role for the lysosomal membrane protein LGP85 in the biogenesis and maintenance of endosomal and lysosomal morphology. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 4117-31	5.3	121
9	Role of LAMP-2 in lysosome biogenesis and autophagy. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 3355-68	3.5	262
8	The polarized epithelia-specific mu 1B-adaptin complements mu 1A-deficiency in fibroblasts. <i>EMBO Reports</i> , <b>2002</b> , 3, 471-7	6.5	23
7	Aut5/Cvt17p, a putative lipase essential for disintegration of autophagic bodies inside the vacuole. <i>Journal of Bacteriology</i> , <b>2001</b> , 183, 5942-55	3.5	159

6	Palmitoyl protein thioesterase (PPT) localizes into synaptosomes and synaptic vesicles in neurons: implications for infantile neuronal ceroid lipofuscinosis (INCL). <i>Human Molecular Genetics</i> , <b>2001</b> , 10, 69-75	5.6	94
5	FA deficiency induces a profound increase in MPR300/IGF-II receptor internalization rate. <i>Journal of Cell Science</i> , <b>2001</b> , 114, 4469-4476	5.3	49
4	Accumulation of autophagic vacuoles and cardiomyopathy in LAMP-2-deficient mice. <i>Nature</i> , <b>2000</b> , 406, 902-6	50.4	743
3	Rac is required for constitutive macropinocytosis by dendritic cells but does not control its downregulation. <i>Current Biology</i> , <b>2000</b> , 10, 839-48	6.3	225
2	mu1A-adaptin-deficient mice: lethality, loss of AP-1 binding and rerouting of mannose 6-phosphate receptors. <i>EMBO Journal</i> , <b>2000</b> , 19, 2193-203	13	361
1	Tracing uptake of C3dg-conjugated antigen into B cells via complement receptor type 2 (CR2, CD21). <i>Blood</i> , <b>2000</b> , 95, 2617-2623	2.2	3