Judith Klumperman

List of Publications by Year
in descending order

110 papers	12,823 citations	28274 55 h-index	28297 105 g-index
157 all docs	157 docs citations	157 times ranked	19011 citing authors

#	Article	IF	Citations
1	The potential and limitations of intrahepatic cholangiocyte organoids to study inborn errors of metabolism. Journal of Inherited Metabolic Disease, 2022, 45, 353-365.	3.6	4
2	Quantitative correlative microscopy reveals the ultrastructural distribution of endogenous endosomal proteins. Journal of Cell Biology, 2022, 221, .	5.2	33
3	High Resolution Proteomic Analysis of Subcellular Fractionated Boar Spermatozoa Provides Comprehensive Insights Into Perinuclear Theca-Residing Proteins. Frontiers in Cell and Developmental Biology, 2022, 10, 836208.	3.7	16
4	An optimized protocol for immuno-electron microscopy of endogenous LC3. Autophagy, 2022, 18, 3004-3022.	9.1	6
5	FER regulates endosomal recycling and is a predictor for adjuvant taxane benefit in breast cancer. Cell Reports, 2022, 39, 110584.	6.4	4
6	Correlative Organelle Microscopy: Fluorescence Guided Volume Electron Microscopy of Intracellular Processes. Frontiers in Cell and Developmental Biology, 2022, 10, 829545.	3.7	6
7	Bimodal endocytic probe for three-dimensional correlative light and electron microscopy. Cell Reports Methods, 2022, 2, 100220.	2.9	6
8	Pancreatic Î²-Cellâ€“Specific Deletion of VPS41 Causes Diabetes Due to Defects in Insulin Secretion. Diabetes, 2021, 70, 436-448.	0.6	10
9	Optimization of negative stage bias potential for faster imaging in large-scale electron microscopy. Journal of Structural Biology: X, 2021, 5, 100046.	1.3	4
10	An Organoid for Woven Bone. Advanced Functional Materials, 2021, 31, 2010524.	14.9	65
11	Neurodegenerative VPS41 variants inhibit HOPS function and mTORC1â€dependent TFEB/TFE3 regulation. EMBO Molecular Medicine, 2021, 13, e13258.	6.9	26
12	Cysteamineâ€“bicalutamide combination therapy corrects proximal tubule phenotype in cystinosis. EMBO Molecular Medicine, 2021, 13, e13067.	6.9	23
13	ERÂâ€“Âlysosome contacts at a pre-axonal region regulate axonal lysosome availability. Nature Communications, 2021, 12, 4493.	12.8	32
14	Î±-Synuclein fibrils subvert lysosome structure and function for the propagation of protein misfolding between cells through tunneling nanotubes. PLoS Biology, 2021, 19, e3001287.	5.6	45
15	Understanding membrane traffic from molecular ensemble, energetics, and the cell biology of participant components. Current Opinion in Cell Biology, 2021, 71, iii-vi.	5.4	2
16	Quantitative 3D microscopy highlights altered von Willebrand factor Î±â€granule storage in patients with von Willebrand disease with distinct pathogenic mechanisms. Research and Practice in Thrombosis and Haemostasis, 2021, 5, e12595.	2.3	7
17	The stress-sensing domain of activated IRE1Î± forms helical filaments in narrow ER membrane tubes. Science, 2021, 374, 52-57.	12.6	24
18	Fatty acylation enhances the cellular internalization and cytosolic distribution of a cystine-knot peptide. IScience, 2021, 24, 103220.	4.1	2

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19	Quantifying lymphocyte vacuolization serves as a measure of CLN3 disease severity. JIMD Reports, 2020, 54, 87-97.	1.5	6
20	Apolipoprotein L1-Specific Antibodies Detect Endogenous APOL1 inside the Endoplasmic Reticulum and on the Plasma Membrane of Podocytes. Journal of the American Society of Nephrology: JASN, 2020, 31, 2044-2064.	6.1	33
21	Integrated super resolution fluorescence microscopy and transmission electron microscopy. Ultramicroscopy, 2020, 215, 113007.	1.9	10
22	<scp>SKIP</scp> â€•<scp>HOPS</scp> recruits <scp>TBC</scp> 1D15 for a Rab7â€toâ€Arl8b identity switch to control late endosome transport. EMBO Journal, 2020, 39, e102301.	7.8	58
23	Wiskott-Aldrich syndrome protein restricts cGAS/STING activation by dsDNA immune complexes. JCI Insight, 2020, 5, .	5.0	9
24	Aquaporin-3 regulates endosome-to-cytosol transfer via lipid peroxidation for cross presentation. PLoS ONE, 2020, 15, e0238484.	2.5	20
25	A paralog-specific role of COPI vesicles in the neuronal differentiation of mouse pluripotent cells. Life Science Alliance, 2020, 3, e202000714.	2.8	11
26	Aquaporin-3 regulates endosome-to-cytosol transfer via lipid peroxidation for cross presentation. , 2020, 15, e0238484.		0
27	Aquaporin-3 regulates endosome-to-cytosol transfer via lipid peroxidation for cross presentation. , 2020, 15, e0238484.		0
28	Aquaporin-3 regulates endosome-to-cytosol transfer via lipid peroxidation for cross presentation. , 2020, 15, e0238484.		0
29	Aquaporin-3 regulates endosome-to-cytosol transfer via lipid peroxidation for cross presentation. , 2020, 15, e0238484.		0
30	The ubiquitinâ€conjugating enzyme <scp>UBE</scp> 2 <scp>QL</scp> 1 coordinates lysophagy in response to endolysosomal damage. EMBO Reports, 2019, 20, e48014.	4.5	71
31	DGAT2 partially compensates for lipid-induced ER stress in human DGAT1-deficient intestinal stem cells. Journal of Lipid Research, 2019, 60, 1787-1800.	4.2	14
32	Visualizing the cellular route of entry of a cystine-knot peptide with Xfect transfection reagent by electron microscopy. Scientific Reports, 2019, 9, 6907.	3.3	9
33	CORVET, CHEVI and HOPS â€“ multisubunit tethers of the endo-lysosomal system in health and disease. Journal of Cell Science, 2019, 132, .	2.0	79
34	High accuracy, fiducial marker-based image registration of correlative microscopy images. Scientific Reports, 2019, 9, 3211.	3.3	24
35	A mouse model for SPG48 reveals a block of autophagic flux upon disruption of adaptor protein complex five. Neurobiology of Disease, 2019, 127, 419-431.	4.4	26
36	The hepatic WASH complex is required for efficient plasma LDL and HDL cholesterol clearance. JCI Insight, 2019, 4, .	5.0	24

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37	Single-cell analysis uncovers that metabolic reprogramming by ErbB2 signaling is essential for cardiomyocyte proliferation in the regenerating heart. ELife, 2019, 8, .	6.0	162
38	HEPES activates a MiT/TFE-dependent lysosomal-autophagic gene network in cultured cells: A call for caution. Autophagy, 2018, 14, 437-449.	9.1	18
39	Vps3 and Vps8 control integrin trafficking from early to recycling endosomes and regulate integrin-dependent functions. Nature Communications, 2018, 9, 792.	12.8	40
40	Single organelle dynamics linked to 3D structure by correlative liveâ€cell imaging and 3D electron microscopy. Traffic, 2018, 19, 354-369.	2.7	72
41	Changes in the Synaptic Proteome in Tauopathy and Rescue of Tau-Induced Synapse Loss by C1q Antibodies. Neuron, 2018, 100, 1322-1336.e7.	8.1	330
42	Fluorescently Labelled Silica Coated Gold Nanoparticles as Fiducial Markers for Correlative Light and Electron Microscopy. Scientific Reports, 2018, 8, 13625.	3.3	35
43	The 2018 correlative microscopy techniques roadmap. Journal Physics D: Applied Physics, 2018, 51, 443001.	2.8	99
44	Mesenchymal Stromal/stem Cell-derived Extracellular Vesicles Promote Human Cartilage Regeneration In Vitro. Theranostics, 2018, 8, 906-920.	10.0	252
45	Dynamic kinetochore size regulation promotes microtubule capture and chromosome biorientation in mitosis. Nature Cell Biology, 2018, 20, 800-810.	10.3	92
46	EB1 and EB3 regulate microtubule minus end organization and Golgi morphology. Journal of Cell Biology, 2017, 216, 3179-3198.	5.2	76
47	Improving Comprehension Efficiency of High Content Screening Data Through Interactive Visualizations. Assay and Drug Development Technologies, 2017, 15, 247-256.	1.2	3
48	Ultrastructural Characterization of Membrane Rearrangements Induced by Porcine Epidemic Diarrhea Virus Infection. Viruses, 2017, 9, 251.	3.3	37
49	Cathepsin D and its newly identified transport receptor Sez6l2 can modulate neurite outgrowth. Journal of Cell Science, 2016, 129, 557-68.	2.0	46
50	Molecular Pathway of Microtubule Organization at the Golgi Apparatus. Developmental Cell, 2016, 39, 44-60.	7.0	114
51	HC StratoMineR: A Web-Based Tool for the Rapid Analysis of High-Content Datasets. Assay and Drug Development Technologies, 2016, 14, 439-452.	1.2	11
52	Feasibility of Immuno-TRITC Labeling in Integrated 3D CLEM. Microscopy and Microanalysis, 2016, 22, 64-65.	0.4	0
53	<scp>Vps33B</scp> is required for delivery of endocytosed cargo to lysosomes. Traffic, 2015, 16, 1288-1305.	2.7	30
54	Lysosome-Associated Membrane Proteins (LAMP) Maintain Pancreatic Acinar Cell Homeostasis: LAMP-2â€“Deficient Mice Develop Pancreatitis. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 678-694.	4.5	95

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55	Characterization of the Mammalian CORVET and HOPS Complexes and Their Modular Restructuring for Endosome Specificity. Journal of Biological Chemistry, 2015, 290, 30280-30290.	3.4	84
56	An inducible mouse model for microvillus inclusion disease reveals a role for myosin Vb in apical and basolateral trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12408-12413.	7.1	67
57	Apoptosis-linked Gene-2 (ALG-2)/Sec31 Interactions Regulate Endoplasmic Reticulum (ER)-to-Golgi Transport. Journal of Biological Chemistry, 2014, 289, 23609-23628.	3.4	43
58	TGN exit of the cation-independent mannose 6-phosphate receptor does not require acid hydrolase binding. Cellular Logistics, 2014, 4, e954441.	0.9	5
59	Endosomes are specialized platforms for bacterial sensing and NOD2 signalling. Nature, 2014, 509, 240-244.	27.8	259
60	The Complex Ultrastructure of the Endolysosomal System. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016857-a016857.	5.5	282
61	Loss of Syntaxin 3 Causes Variant Microvillus Inclusion Disease. Gastroenterology, 2014, 147, 65-68.e10.	1.3	151
62	hVps41 and VAMP7 function in direct TGN to late endosome transport of lysosomal membrane proteins. Nature Communications, 2013, 4, 1361.	12.8	129
63	The <scp>HOPS</scp> Proteins <scp>hVps41</scp> and <scp>hVps39</scp> Are Required for Homotypic and Heterotypic Late Endosome Fusion. Traffic, 2013, 14, 219-232.	2.7	98
64	HTS-IA. International Journal of Healthcare Information Systems and Informatics, 2013, 8, 17-31.	0.9	1
65	Identification of the ubiquitin ligase Triad1 as a regulator of endosomal transport. Biology Open, 2012, 1, 607-614.	1.2	21
66	Associations among genotype, clinical phenotype, and intracellular localization of trafficking proteins in ARC syndrome. Human Mutation, 2012, 33, 1656-1664.	2.5	74
67	Autophagy Proteins Regulate the Secretory Component of Osteoclastic Bone Resorption. Developmental Cell, 2011, 21, 966-974.	7.0	401
68	Architecture of the Mammalian Golgi. Cold Spring Harbor Perspectives in Biology, 2011, 3, a005181-a005181.	5.5	154
69	Disruption of the Manâ€6â€P Targeting Pathway in Mice Impairs Osteoclast Secretory Lysosome Biogenesis. Traffic, 2011, 12, 912-924.	2.7	43
70	Lysosomal Membrane Protein Composition, Acidic pH and Sterol Content are Regulated via a Lightâ€Dependent Pathway in Metazoan Cells. Traffic, 2011, 12, 1037-1055.	2.7	32
71	Vacuolization of mucolipidosis type II mouse exocrine gland cells represents accumulation of autolysosomes. Molecular Biology of the Cell, 2011, 22, 1135-1147.	2.1	27
72	Termination of autophagy and reformation of lysosomes regulated by mTOR. Nature, 2010, 465, 942-946.	27.8	1,303

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73	Neuron Specific Rab4 Effector GRASP-1 Coordinates Membrane Specialization and Maturation of Recycling Endosomes. PLoS Biology, 2010, 8, e1000283.	5.6	86
74	Atg5-Independent Sequestration of Ubiquitinated Mycobacteria. PLoS Pathogens, 2009, 5, e1000430.	4.7	109
75	Trafficking and function of the tetraspanin CD63. Experimental Cell Research, 2009, 315, 1584-1592.	2.6	605
76	Lysosome biogenesis and lysosomal membrane proteins: trafficking meets function. Nature Reviews Molecular Cell Biology, 2009, 10, 623-635.	37.0	1,320
77	Imaging and imagination: understanding the endo-lysosomal system. Histochemistry and Cell Biology, 2008, 129, 253-266.	1.7	107
78	Egfl7 knockdown causes defects in the extension and junctional arrangements of endothelial cells during zebrafish vasculogenesis. Developmental Dynamics, 2008, 237, 580-591.	1.8	32
79	SNX1 Defines an Early Endosomal Recycling Exit for Sortilin and Mannose 6â€Phosphate Receptors. Traffic, 2008, 9, 380-393.	2.7	145
80	Correlative light-electron microscopy (CLEM) combining live-cell imaging and immunolabeling of ultrathin cryosections. Nature Methods, 2008, 5, 973-980.	19.0	170
81	Akt inhibition promotes autophagy and sensitizes PTEN-null tumors to lysosomotropic agents. Journal of Cell Biology, 2008, 183, 101-116.	5.2	365
82	EGFL7 regulates the collective migration of endothelial cells by restricting their spatial distribution. Development (Cambridge), 2007, 134, 2913-2923.	2.5	169
83	Immuno-electron tomography of ER exit sites reveals the existence of free COPII-coated transport carriers. Nature Cell Biology, 2006, 8, 377-383.	10.3	173
84	Death-receptor activation halts clathrin-dependent endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10283-10288.	7.1	98
85	The maturing role of COPI vesicles in intra-Golgi transport. Nature Reviews Molecular Cell Biology, 2005, 6, 812-817.	37.0	122
86	Sorting nexin-2 is associated with tubular elements of the early endosome, but is not essential for retromer-mediated endosome-to-TGN transport. Journal of Cell Science, 2005, 118, 4527-4539.	2.0	99
87	ATPase-deficient hVPS4 impairs formation of internal endosomal vesicles and stabilizes bilayered clathrin coats on endosomal vacuoles. Journal of Cell Science, 2004, 117, 1699-1708.	2.0	61
88	Localization of the AP-3 adaptor complex defines a novel endosomal exit site for lysosomal membrane proteins. Journal of Cell Biology, 2004, 164, 1065-1076.	5.2	329
89	Rab14 Is Involved in Membrane Trafficking between the Golgi Complex and Endosomes. Molecular Biology of the Cell, 2004, 15, 2218-2229.	2.1	177
90	Sorting Nexin-1 Mediates Tubular Endosome-to-TGN Transport through Coincidence Sensing of High-Curvature Membranes and 3-Phosphoinositides. Current Biology, 2004, 14, 1791-1800.	3.9	414

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91	Rabaptin-5alpha/rabaptin-4 serves as a linker between rab4 and gamma1-adaptin in membrane recycling from endosomes. EMBO Journal, 2003, 22, 2645-2657.	7.8	74
92	The UIM domain of Hrs couples receptor sorting to vesicle formation. Journal of Cell Science, 2003, 116, 4169-4179.	2.0	164
93	Electron microscopy in cell biology: integrating structure and function. Nature Reviews Molecular Cell Biology, 2003, Suppl, SS6-10.	37.0	44
94	A Novel Flat-embedding Method to Prepare Ultrathin Cryosections from Cultured Cells in Their In Situ Orientation. Journal of Histochemistry and Cytochemistry, 2002, 50, 1067-1080.	2.5	52
95	rab4 Function in Membrane Recycling from Early Endosomes Depends on a Membrane to Cytoplasm Cycle. Journal of Biological Chemistry, 2002, 277, 32029-32035.	3.4	38
96	Bilayered Clathrin Coats on Endosomal Vacuoles Are Involved in Protein Sorting toward Lysosomes. Molecular Biology of the Cell, 2002, 13, 1313-1328.	2.1	319
97	Endosomes: multipurpose designs for integrating housekeeping and specialized tasks. Histochemistry and Cell Biology, 2002, 117, 91-104.	1.7	66
98	The ER to Golgi Interface is the Major Concentration Site of Secretory Proteins in the Exocrine Pancreatic Cell. Traffic, 2001, 2, 831-838.	2.7	46
99	Rab4 Regulates Formation of Synaptic-like Microvesicles from Early Endosomes in PC12 Cells. Molecular Biology of the Cell, 2001, 12, 3703-3715.	2.1	62
100	Peri-Golgi vesicles contain retrograde but not anterograde proteins consistent with the cisternal progression model of intra-Golgi transport. Journal of Cell Biology, 2001, 155, 1213-1224.	5.2	161
101	Transport between ER and Golgi. Current Opinion in Cell Biology, 2000, 12, 445-449.	5.4	130
102	Vamp-7 Mediates Vesicular Transport from Endosomes to Lysosomes. Journal of Cell Biology, 1999, 146, 765-776.	5.2	179
103	Synaptic Vesicles Form by Budding from Tubular Extensions of Sorting Endosomes in PC12 Cells. Molecular Biology of the Cell, 1999, 10, 4163-4176.	2.1	58
104	Vesicle-associated Membrane Protein 4 is Implicated inTrans-Golgi Network Vesicle Trafficking. Molecular Biology of the Cell, 1999, 10, 1957-1972.	2.1	127
105	Differential Roles of Syntaxin 7 and Syntaxin 8 in Endosomal Trafficking. Molecular Biology of the Cell, 1999, 10, 3891-3908.	2.1	130
106	SNARE Membrane Trafficking Dynamics In Vivo. Journal of Cell Biology, 1999, 144, 869-881.	5.2	66
107	Vesicular Tubular Clusters between the ER and Golgi Mediate Concentration of Soluble Secretory Proteins by Exclusion from COPI-Coated Vesicles. Cell, 1999, 98, 81-90.	28.9	298
108	Association of the AP-3 Adaptor Complex with Clathrin. Science, 1998, 280, 431-434.	12.6	362

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109	Mannose 6â€“Phosphate Receptors Are Sorted from Immature Secretory Granules via Adaptor Protein AP-1, Clathrin, and Syntaxin 6â€“positive Vesicles. Journal of Cell Biology, 1998, 141, 359-371.	5.2	277
110	Differential Sorting of Lysosomal Enzymes Out of the Regulated Secretory Pathway in Pancreatic Î²-Cells. Journal of Cell Biology, 1997, 137, 595-608.	5.2	167