

Christian Ungermann

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

13,398
citations

43973

48
h-index

24179

110
g-index

120
all docs

120
docs citations

120
times ranked

20504
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	Homotypic vacuolar fusion mediated by t- and v-SNAREs. <i>Nature</i> , 1997, 387, 199-202.	13.7	451
3	Coming together to define membrane contact sites. <i>Nature Communications</i> , 2019, 10, 1287.	5.8	435
4	CORVET and HOPS tethering complexes coordinators of endosome and lysosome fusion. <i>Journal of Cell Science</i> , 2013, 126, 1307-1316.	1.2	430
5	Defining the functions of trans-SNARE pairs. <i>Nature</i> , 1998, 396, 543-548.	13.7	329
6	The Mon1-Ccz1 Complex Is the GEF of the Late Endosomal Rab7 Homolog Ypt7. <i>Current Biology</i> , 2010, 20, 1654-1659.	1.8	327
7	Leucyl-tRNA Synthetase Controls TORC1 via the EGO Complex. <i>Molecular Cell</i> , 2012, 46, 105-110.	4.5	308
8	Cellular Metabolism Regulates Contact Sites between Vacuoles and Mitochondria. <i>Developmental Cell</i> , 2014, 30, 86-94.	3.1	285
9	Rab GTPase Function in Endosome and Lysosome Biogenesis. <i>Trends in Cell Biology</i> , 2018, 28, 957-970.	3.6	270
10	The CORVET Tethering Complex Interacts with the Yeast Rab5 Homolog Vps21 and Is Involved in Endo-Lysosomal Biogenesis. <i>Developmental Cell</i> , 2007, 12, 739-750.	3.1	250
11	A Vacuolar t-SNARE Complex, the Predominant Form In Vivo and on Isolated Vacuoles, Is Disassembled and Activated for Docking and Fusion. <i>Journal of Cell Biology</i> , 1998, 140, 61-69.	2.3	235
12	Molecular architecture of the multisubunit homotypic fusion and vacuole protein sorting (HOPS) tethering complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1991-1996.	3.3	227
13	Atg9 establishes Atg2-dependent contact sites between the endoplasmic reticulum and phagophores. <i>Journal of Cell Biology</i> , 2018, 217, 2743-2763.	2.3	194
14	The Docking Stage of Yeast Vacuole Fusion Requires the Transfer of Proteins from a Cis-Snare Complex to a Rab/Ypt Protein. <i>Journal of Cell Biology</i> , 2000, 148, 1231-1238.	2.3	188
15	Multisubunit Tethering Complexes and Their Role in Membrane Fusion. <i>Current Biology</i> , 2010, 20, R943-R952.	1.8	185
16	Autophagosome Maturation and Fusion. <i>Journal of Molecular Biology</i> , 2017, 429, 486-496.	2.0	185
17	Three v-SNAREs and Two t-SNAREs, Present in a Pentameric cis-SNARE Complex on Isolated Vacuoles, Are Essential for Homotypic Fusion. <i>Journal of Cell Biology</i> , 1999, 145, 1435-1442.	2.3	151
18	The vacuolar kinase Yck3 maintains organelle fragmentation by regulating the HOPS tethering complex. <i>Journal of Cell Biology</i> , 2005, 168, 401-414.	2.3	129

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19	Defined Subunit Arrangement and Rab Interactions Are Required for Functionality of the HOPS Tethering Complex. <i>Traffic</i> , 2010, 11, 1334-1346.	1.3	119
20	On the mechanism of protein palmitoylation. <i>EMBO Reports</i> , 2004, 5, 1053-1057.	2.0	117
21	Vps39 Interacts with Tom40 to Establish One of Two Functionally Distinct Vacuole-Mitochondria Contact Sites. <i>Developmental Cell</i> , 2018, 45, 621-636.e7.	3.1	109
22	Phosphorylation of a membrane curvature-sensing motif switches function of the HOPS subunit Vps41 in membrane tethering. <i>Journal of Cell Biology</i> , 2010, 191, 845-859.	2.3	107
23	A cycle of Vam7p release from and PtdIns 3-P-dependent rebinding to the yeast vacuole is required for homotypic vacuole fusion. <i>Journal of Cell Biology</i> , 2002, 157, 79-90.	2.3	104
24	Function and Regulation of the Endosomal Fusion and Fission Machineries. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016832-a016832.	2.3	103
25	The Rab GTPase Ypt7 is linked to retromer-mediated receptor recycling and fusion at the yeast late endosome. <i>Journal of Cell Science</i> , 2010, 123, 4085-4094.	1.2	100
26	Yeast vacuole fusion: A model system for eukaryotic endomembrane dynamics. <i>Autophagy</i> , 2008, 4, 5-19.	4.3	92
27	A tethering complex drives the terminal stage of SNARE-dependent membrane fusion. <i>Nature</i> , 2017, 551, 634-638.	13.7	92
28	Proteins Needed for Vesicle Budding from the Golgi Complex Are Also Required for the Docking Step of Homotypic Vacuole Fusion. <i>Journal of Cell Biology</i> , 2000, 148, 1223-1230.	2.3	86
29	The Mon1-Ccz1 GEF activates the Rab7 GTPase Ypt7 via a longin fold-Rab interface and association with PI-3-P-positive membranes. <i>Journal of Cell Science</i> , 2014, 127, 1043-51.	1.2	84
30	The CORVET Subunit Vps8 Cooperates with the Rab5 Homolog Vps21 to Induce Clustering of Late Endosomal Compartments. <i>Molecular Biology of the Cell</i> , 2009, 20, 5276-5289.	0.9	83
31	The CORVET complex promotes tethering and fusion of Rab5/Vps21-positive membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3823-3828.	3.3	83
32	Vps41 Phosphorylation and the Rab Ypt7 Control the Targeting of the HOPS Complex to Endosome-Vacuole Fusion Sites. <i>Molecular Biology of the Cell</i> , 2009, 20, 1937-1948.	0.9	82
33	HOPS drives vacuole fusion by binding the vacuolar SNARE complex and the Vam7 PX domain via two distinct sites. <i>Molecular Biology of the Cell</i> , 2011, 22, 2601-2611.	0.9	80
34	Atg18 function in autophagy is regulated by specific sites within its $\hat{1}^2$ -propeller. <i>Journal of Cell Science</i> , 2013, 126, 593-604.	1.2	79
35	Coordination of Autophagosome-Lysosome Fusion by \hat{A} Atg8 Family Members. <i>Current Biology</i> , 2018, 28, R512-R518.	1.8	75
36	Principles of membrane tethering and fusion in endosome and lysosome biogenesis. <i>Current Opinion in Cell Biology</i> , 2014, 29, 61-66.	2.6	74

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37	The SNARE Ykt6 mediates protein palmitoylation during an early stage of homotypic vacuole fusion. <i>EMBO Journal</i> , 2004, 23, 45-53.	3.5	72
38	Atg4 proteolytic activity can be inhibited by Atg1 phosphorylation. <i>Nature Communications</i> , 2017, 8, 295.	5.8	70
39	A novel in vitro assay reveals SNARE topology and the role of Ykt6 in autophagosome fusion with vacuoles. <i>Journal of Cell Biology</i> , 2018, 217, 3670-3682.	2.3	67
40	The Role of Palmitoylation for Protein Recruitment to the Inner Membrane Complex of the Malaria Parasite. <i>Journal of Biological Chemistry</i> , 2015, 290, 1712-1728.	1.6	66
41	Guanine Nucleotide Exchange Factors (GEFs) Have a Critical but Not Exclusive Role in Organelle Localization of Rab GTPases. <i>Journal of Biological Chemistry</i> , 2013, 288, 28704-28712.	1.6	65
42	Whoâ€™s in control? Principles of Rab GTPase activation in endolysosomal membrane trafficking and beyond. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	64
43	Structure of membrane tethers and their role in fusion. <i>Traffic</i> , 2019, 20, 479-490.	1.3	63
44	Molecular mechanism to target the endosomal Mon1-Ccz1 GEF complex to the pre-autophagosomal structure. <i>ELife</i> , 2018, 7, .	2.8	61
45	Membrane dynamics and fusion at late endosomes and vacuoles â€“ Rab regulation, multisubunit tethering complexes and SNAREs. <i>European Journal of Cell Biology</i> , 2011, 90, 779-785.	1.6	60
46	Endocytic Rabs in membrane trafficking and signaling. <i>Biological Chemistry</i> , 2014, 395, 327-333.	1.2	60
47	Architecture and mechanism of the late endosomal Rab7-like Ypt7 guanine nucleotide exchange factor complex Mon1â€™Ccz1. <i>Nature Communications</i> , 2017, 8, 14034.	5.8	59
48	Functional Separation of Endosomal Fusion Factors and the Class C Core Vacuole/Endosome Tethering (CORVET) Complex in Endosome Biogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 5166-5175.	1.6	57
49	Dynamic association of the PI3P-interacting Mon1-Ccz1 GEF with vacuoles is controlled through its phosphorylation by the type 1 casein kinase Yck3. <i>Molecular Biology of the Cell</i> , 2014, 25, 1608-1619.	0.9	54
50	Multivalent Rab interactions determine tether-mediated membrane fusion. <i>Molecular Biology of the Cell</i> , 2017, 28, 322-332.	0.9	54
51	A conserved and regulated mechanism drives endosomal Rab transition. <i>ELife</i> , 2020, 9, .	2.8	54
52	The DHHC protein Pfa3 affects vacuole-associated palmitoylation of the fusion factor Vac8. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17366-17371.	3.3	53
53	Yeast cell wall integrity sensors form specific plasma membrane microdomains important for signalling. <i>Cellular Microbiology</i> , 2016, 18, 1251-1267.	1.1	52
54	The N-terminal Domain of the t-SNARE Vam3p Coordinates Priming and Docking in Yeast Vacuole Fusion. <i>Molecular Biology of the Cell</i> , 2001, 12, 3375-3385.	0.9	51

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55	Palmitoylation determines the function of Vac8 at the yeast vacuole. <i>Journal of Cell Science</i> , 2006, 119, 2477-2485.	1.2	49
56	The Msb3/Gyp3 GAP controls the activity of the Rab GTPases Vps21 and Ypt7 at endosomes and vacuoles. <i>Molecular Biology of the Cell</i> , 2012, 23, 2516-2526.	0.9	48
57	The yeast Batten disease orthologue Btn1 controls endosome-Golgi retrograde transport via SNARE assembly. <i>Journal of Cell Biology</i> , 2011, 195, 203-215.	2.3	44
58	Retromer and the dynamin Vps1 cooperate in the retrieval of transmembrane proteins from vacuoles. <i>Journal of Cell Science</i> , 2015, 128, 645-55.	1.2	44
59	The Dsl1 Protein Tethering Complex Is a Resident Endoplasmic Reticulum Complex, Which Interacts with Five Soluble NSF (N-Ethylmaleimide-sensitive Factor) Attachment Protein Receptors (SNAREs). <i>Journal of Biological Chemistry</i> , 2011, 286, 25039-25046.	1.6	43
60	Lipid trafficking by yeast Snx4 family SNX-BAR proteins promotes autophagy and vacuole membrane fusion. <i>Molecular Biology of the Cell</i> , 2018, 29, 2190-2200.	0.9	43
61	The BLOC-1 complex promotes endosomal maturation by recruiting the Rab5 GTPase-activating protein Msb3. <i>Journal of Cell Biology</i> , 2013, 201, 97-111.	2.3	42
62	Hypomyelination and developmental delay associated with <i>VPS11</i> mutation in Ashkenazi-Jewish patients. <i>Journal of Medical Genetics</i> , 2015, 52, 749-753.	1.5	41
63	The I-BAR protein Iy1 is an effector of the Rab7 GTPase Ypt7 involved in vacuole membrane homeostasis. <i>Journal of Cell Science</i> , 2015, 128, 2278-2292.	1.2	40
64	The Transmembrane Domain of Vam3 Affects the Composition of cis- and trans-SNARE Complexes to Promote Homotypic Vacuole Fusion. <i>Journal of Biological Chemistry</i> , 2003, 278, 1656-1662.	1.6	37
65	A guanine nucleotide exchange factor (GEF) limits Rab GTPase-driven membrane fusion. <i>Journal of Biological Chemistry</i> , 2018, 293, 731-739.	1.6	36
66	Depalmitoylation of Ykt6 Prevents its Entry into the Multivesicular Body Pathway. <i>Traffic</i> , 2008, 9, 1510-1521.	1.3	35
67	Chapter Thirteen Purification and In Vitro Analysis of Yeast Vacuoles. <i>Methods in Enzymology</i> , 2008, 451, 177-196.	0.4	35
68	The Habc Domain of the SNARE Vam3 Interacts with the HOPS Tethering Complex to Facilitate Vacuole Fusion. <i>Journal of Biological Chemistry</i> , 2015, 290, 5405-5413.	1.6	35
69	Farnesylation of the SNARE Protein Ykt6 Increases Its Stability and Helical Folding. <i>Journal of Molecular Biology</i> , 2008, 377, 1334-1345.	2.0	33
70	The SNARE Ykt6 is released from yeast vacuoles during an early stage of fusion. <i>EMBO Reports</i> , 2005, 6, 245-250.	2.0	32
71	A close-up view of membrane contact sites between the endoplasmic reticulum and the endolysosomal system: From yeast to man. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2014, 49, 262-268.	2.3	32
72	Retromer-driven membrane tubulation separates endosomal recycling from Rab7/Ypt7-dependent fusion. <i>Molecular Biology of the Cell</i> , 2017, 28, 783-791.	0.9	32

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73	TORC1 Determines Fab1 Lipid Kinase Function at Signaling Endosomes and Vacuoles. <i>Current Biology</i> , 2021, 31, 297-309.e8.	1.8	31
74	The Vps39-like TRAP1 is an effector of Rab5 and likely the missing Vps3 subunit of human CORVET. <i>Cellular Logistics</i> , 2014, 4, e970840.	0.9	30
75	Identification of a Rab GTPase-activating protein cascade that controls recycling of the Rab5 GTPase Vps21 from the vacuole. <i>Molecular Biology of the Cell</i> , 2015, 26, 2535-2549.	0.9	29
76	Spatiotemporal dynamics of membrane remodeling and fusion proteins during endocytic transport. <i>Molecular Biology of the Cell</i> , 2015, 26, 1357-1370.	0.9	29
77	An Overexpression Screen in <i>Saccharomyces cerevisiae</i> Identifies Novel Genes that Affect Endocytic Protein Trafficking. <i>Traffic</i> , 2011, 12, 1592-1603.	1.3	27
78	Cellular microcompartments constitute general suborganellar functional units in cells. <i>Biological Chemistry</i> , 2013, 394, 151-161.	1.2	27
79	Functional homologies in vesicle tethering. <i>FEBS Letters</i> , 2015, 589, 2487-2497.	1.3	27
80	Rab GTPases and tethering in the yeast endocytic pathway. <i>Small GTPases</i> , 2011, 2, 182-186.	0.7	25
81	Multisubunit tethers in membrane fusion. <i>Current Biology</i> , 2018, 28, R417-R420.	1.8	25
82	The multi-functional SNARE protein Ykt6 in autophagosomal fusion processes. <i>Cell Cycle</i> , 2019, 18, 639-651.	1.3	25
83	TSC1 binding to lysosomal PIPs is required for TSC complex translocation and mTORC1 regulation. <i>Molecular Cell</i> , 2021, 81, 2705-2721.e8.	4.5	25
84	Guiding Endosomal Maturation. <i>Cell</i> , 2010, 141, 404-406.	13.5	23
85	Function of the SNARE Ykt6 on autophagosomes requires the Dsl1 complex and the Atg1 kinase complex. <i>EMBO Reports</i> , 2020, 21, e50733.	2.0	22
86	The N-Terminal Domains of Vps3 and Vps8 Are Critical for Localization and Function of the CORVET Tethering Complex on Endosomes. <i>PLoS ONE</i> , 2013, 8, e67307.	1.1	21
87	AP β vesicle uncoating occurs after HOPS-dependent vacuole tethering. <i>EMBO Journal</i> , 2020, 39, e105117.	3.5	21
88	Control of vacuole membrane homeostasis by a resident PI-3,5-kinase inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4684-4689.	3.3	19
89	Cargo induces retromer-mediated membrane remodeling on membranes. <i>Molecular Biology of the Cell</i> , 2018, 29, 2709-2719.	0.9	19
90	Nanoscope anatomy of dynamic multi-protein complexes at membranes resolved by graphene-induced energy transfer. <i>ELife</i> , 2021, 10, .	2.8	19

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91	ATP-independent Control of Vac8 Palmitoylation by a SNARE Subcomplex on Yeast Vacuoles. <i>Journal of Biological Chemistry</i> , 2005, 280, 15348-15355.	1.6	17
92	vCLAMPsâ€™an intimate link between vacuoles and mitochondria. <i>Current Opinion in Cell Biology</i> , 2015, 35, 30-36.	2.6	17
93	Subunit Organisation of In Vitro Reconstituted HOPS and CORVET Multisubunit Membrane Tethering Complexes. <i>PLoS ONE</i> , 2013, 8, e81534.	1.1	17
94	Tracking of the dynamic localization of the Rab-specific HOPS subunits reveal their distinct interaction with Ypt7 and vacuoles. <i>Cellular Logistics</i> , 2014, 4, e29191.	0.9	15
95	StARTing to understand membrane contact sites. <i>Trends in Cell Biology</i> , 2015, 25, 497-498.	3.6	14
96	Vacuole membrane contact sites and domains: emerging hubs to coordinate organelle function with cellular metabolism. <i>Biochemical Society Transactions</i> , 2016, 44, 528-533.	1.6	14
97	A trimeric metazoan Rab7 GEF complex is crucial for endocytosis and scavenger function. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	14
98	A lysosomal biogenesis map reveals the cargo spectrum of yeast vacuolar protein targeting pathways. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	14
99	Structural Identification of the Vps18 Î²-Propeller Reveals a Critical Role in the HOPS Complex Stability and Function. <i>Journal of Biological Chemistry</i> , 2014, 289, 33503-33512.	1.6	13
100	Atg9 proteins, not so different after all. <i>Autophagy</i> , 2018, 14, 1456-1459.	4.3	13
101	BORC and BLOC-1: Shared Subunits in Trafficking Complexes. <i>Developmental Cell</i> , 2015, 33, 121-122.	3.1	12
102	Structure of the Mon1-Ccz1 complex reveals molecular basis of membrane binding for Rab7 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	12
103	Subunit exchange among endolysosomal tethering complexes is linked to contact site formation at the vacuole. <i>Molecular Biology of the Cell</i> , 2021, 32, br14.	0.9	11
104	Flexible open conformation of the AP-3 complex explains its role in cargo recruitment at the Golgi. <i>Journal of Biological Chemistry</i> , 2021, 297, 101334.	1.6	8
105	Function of the Mon1-Ccz1 complex on endosomes. <i>Small GTPases</i> , 2014, 5, e972861.	0.7	7
106	Systematic Assessment of the Accuracy of Subunit Counting in Biomolecular Complexes Using Automated Single-Molecule Brightness Analysis. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 822-829.	2.1	6
107	The HOPS tethering complex is required to maintain signaling endosome identity and TORC1 activity. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	6
108	Membrane contact sites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1435-1438.	1.9	4

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109	The yeast LYST homolog Bph1 is a Rab5 effector and prevents Atg8 lipidation at endosomes. Journal of Cell Science, 2022, , .	1.2	3
110	Vesicle transport: Exocyst follows PIP2 to tether membranes. Current Biology, 2022, 32, R748-R750.	1.8	2
111	An online gathering about the latest on molecular membrane biology. Journal of Biological Chemistry, 2021, 297, 101237.	1.6	0