

Christian Ungermann

List of Publications by Year in descending order

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111
papers

13,398
citations

41344
49
h-index

24258
110
g-index

120
all docs

120
docs citations

120
times ranked

20504
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.6	6
2	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, .	7.1	12
3	A lysosomal biogenesis map reveals the cargo spectrum of yeast vacuolar protein targeting pathways. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	14
4	The yeast LYST homolog Bph1 is a Rab5 effector and prevents Atg8 lipidation at endosomes. <i>Journal of Cell Science</i> , 2022, , .	2.0	3
5	The HOPS tethering complex is required to maintain signaling endosome identity and TORC1 activity. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	6
6	Vesicle transport: Exocyst follows PIP2 to tether membranes. <i>Current Biology</i> , 2022, 32, R748-R750.	3.9	2
7	TORC1 Determines Fab1 Lipid Kinase Function at Signaling Endosomes and Vacuoles. <i>Current Biology</i> , 2021, 31, 297-309.e8.	3.9	31
8	TSC1 binding to lysosomal PIPs is required for TSC complex translocation and mTORC1 regulation. <i>Molecular Cell</i> , 2021, 81, 2705-2721.e8.	9.7	25
9	Whoâ€™s in control? Principles of Rab GTPase activation in endolysosomal membrane trafficking and beyond. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	64
10	An online gathering about the latest on molecular membrane biology. <i>Journal of Biological Chemistry</i> , 2021, 297, 101237.	3.4	0
11	Nanoscopic anatomy of dynamic multi-protein complexes at membranes resolved by graphene-induced energy transfer. <i>ELife</i> , 2021, 10, .	6.0	19
12	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.	3.4	8
13	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.	2.1	11
14	A trimeric metazoan Rab7 GEF complex is crucial for endocytosis and scavenger function. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	14
15	APâ€³ vesicle uncoating occurs after HOPSâ€¢dependent vacuole tethering. <i>EMBO Journal</i> , 2020, 39, e105117.	7.8	21
16	Function of the <sc>SNARE</sc> Ykt6 on autophagosomes requires the Dsl1 complex and the Atg1 kinase complex. <i>EMBO Reports</i> , 2020, 21, e50733.	4.5	22
17	A conserved and regulated mechanism drives endosomal Rab transition. <i>ELife</i> , 2020, 9, .	6.0	54
18	Structure of membrane tethers and their role in fusion. <i>Traffic</i> , 2019, 20, 479-490.	2.7	63

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19	Coming together to define membrane contact sites. <i>Nature Communications</i> , 2019, 10, 1287.	12.8	435
20	The multi-functional SNARE protein Ykt6 in autophagosomal fusion processes. <i>Cell Cycle</i> , 2019, 18, 639-651.	2.6	25
21	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.	7.1	19
22	Multisubunit tethers in membrane fusion. <i>Current Biology</i> , 2018, 28, R417-R420.	3.9	25
23	A guanine nucleotide exchange factor (GEF) limits Rab GTPase-driven membrane fusion. <i>Journal of Biological Chemistry</i> , 2018, 293, 731-739.	3.4	36
24	Coordination of Autophagosome-Lysosome Fusion by Atg8 Family Members. <i>Current Biology</i> , 2018, 28, R512-R518.	3.9	75
25	Cargo induces retromer-mediated membrane remodeling on membranes. <i>Molecular Biology of the Cell</i> , 2018, 29, 2709-2719.	2.1	19
26	Atg9 establishes Atg2-dependent contact sites between the endoplasmic reticulum and phagophores. <i>Journal of Cell Biology</i> , 2018, 217, 2743-2763.	5.2	194
27	Molecular mechanism to target the endosomal Mon1-Ccz1 GEF complex to the pre-autophagosomal structure. <i>ELife</i> , 2018, 7, .	6.0	61
28	Atg9 proteins, not so different after all. <i>Autophagy</i> , 2018, 14, 1456-1459.	9.1	13
29	Rab GTPase Function in Endosome and Lysosome Biogenesis. <i>Trends in Cell Biology</i> , 2018, 28, 957-970.	7.9	270
30	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.	2.1	43
31	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.	5.2	67
32	Vps39 Interacts with Tom40 to Establish One of Two Functionally Distinct Vacuole-Mitochondria Contact Sites. <i>Developmental Cell</i> , 2018, 45, 621-636.e7.	7.0	109
33	Autophagosome Maturation and Fusion. <i>Journal of Molecular Biology</i> , 2017, 429, 486-496.	4.2	185
34	Retromer-driven membrane tubulation separates endosomal recycling from Rab7/Ypt7-dependent fusion. <i>Molecular Biology of the Cell</i> , 2017, 28, 783-791.	2.1	32
35	Architecture and mechanism of the late endosomal Rab7-like Ypt7 guanine nucleotide exchange factor complex Mon1-Ccz1. <i>Nature Communications</i> , 2017, 8, 14034.	12.8	59
36	A tethering complex drives the terminal stage of SNARE-dependent membrane fusion. <i>Nature</i> , 2017, 551, 634-638.	27.8	92

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37	Membrane contact sites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1435-1438.	4.1	4
38	Multivalent Rab interactions determine tether-mediated membrane fusion. <i>Molecular Biology of the Cell</i> , 2017, 28, 322-332.	2.1	54
39	Atg4 proteolytic activity can be inhibited by Atg1 phosphorylation. <i>Nature Communications</i> , 2017, 8, 295.	12.8	70
40	Yeast cell wall integrity sensors form specific plasma membrane microdomains important for signalling. <i>Cellular Microbiology</i> , 2016, 18, 1251-1267.	2.1	52
41	Vacuole membrane contact sites and domains: emerging hubs to coordinate organelle function with cellular metabolism. <i>Biochemical Society Transactions</i> , 2016, 44, 528-533.	3.4	14
42	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
43	Retromer and the dynamin Vps1 cooperate in the retrieval of transmembrane proteins from vacuoles. <i>Journal of Cell Science</i> , 2015, 128, 645-55.	2.0	44
44	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.	2.0	40
45	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.	3.4	66
46	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.	3.4	35
47	Functional homologies in vesicle tethering. <i>FEBS Letters</i> , 2015, 589, 2487-2497.	2.8	27
48	StARTing to understand membrane contact sites. <i>Trends in Cell Biology</i> , 2015, 25, 497-498.	7.9	14
49	BORC and BLOC-1: Shared Subunits in Trafficking Complexes. <i>Developmental Cell</i> , 2015, 33, 121-122.	7.0	12
50	vCLAMPsâ€”an intimate link between vacuoles and mitochondria. <i>Current Opinion in Cell Biology</i> , 2015, 35, 30-36.	5.4	17
51	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.	2.1	29
52	Hypomyelination and developmental delay associated with <i>VPS11</i> mutation in Ashkenazi-Jewish patients. <i>Journal of Medical Genetics</i> , 2015, 52, 749-753.	3.2	41
53	Spatiotemporal dynamics of membrane remodeling and fusion proteins during endocytic transport. <i>Molecular Biology of the Cell</i> , 2015, 26, 1357-1370.	2.1	29
54	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.	5.2	32

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55	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.	2.0	84
56	Function of the Mon1-Ccz1 complex on endosomes. <i>Small GTPases</i> , 2014, 5, e972861.	1.6	7
57	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
58	Function and Regulation of the Endosomal Fusion and Fission Machineries. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016832-a016832.	5.5	103
59	Structural Identification of the Vps18 \hat{I}^2 -Propeller Reveals a Critical Role in the HOPS Complex Stability and Function. <i>Journal of Biological Chemistry</i> , 2014, 289, 33503-33512.	3.4	13
60	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
61	Endocytic Rabs in membrane trafficking and signaling. <i>Biological Chemistry</i> , 2014, 395, 327-333.	2.5	60
62	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.	2.1	54
63	Cellular Metabolism Regulates Contact Sites between Vacuoles and Mitochondria. <i>Developmental Cell</i> , 2014, 30, 86-94.	7.0	285
64	Principles of membrane tethering and fusion in endosome and lysosome biogenesis. <i>Current Opinion in Cell Biology</i> , 2014, 29, 61-66.	5.4	74
65	Atg18 function in autophagy is regulated by specific sites within its \hat{I}^2 -propeller. <i>Journal of Cell Science</i> , 2013, 126, 593-604.	2.0	79
66	Cellular microcompartments constitute general suborganellar functional units in cells. <i>Biological Chemistry</i> , 2013, 394, 151-161.	2.5	27
67	CORVET and HOPS tethering complexes coordinators of endosome and lysosome fusion. <i>Journal of Cell Science</i> , 2013, 126, 1307-1316.	2.0	430
68	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.	5.2	42
69	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.	7.1	83
70	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.	3.4	57
71	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.	3.4	65
72	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.	2.5	21

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73	Subunit Organisation of In Vitro Reconstituted HOPS and CORVET Multisubunit Membrane Tethering Complexes. <i>PLoS ONE</i> , 2013, 8, e81534.	2.5	17
74	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.	2.1	48
75	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.	7.1	227
76	Leucyl-tRNA Synthetase Controls TORC1 via the EGO Complex. <i>Molecular Cell</i> , 2012, 46, 105-110.	9.7	308
77	An Overexpression Screen in <i>Saccharomyces cerevisiae</i> Identifies Novel Genes that Affect Endocytic Protein Trafficking. <i>Traffic</i> , 2011, 12, 1592-1603.	2.7	27
78	Membrane dynamics and fusion at late endosomes and vacuoles – Rab regulation, multisubunit tethering complexes and SNAREs. <i>European Journal of Cell Biology</i> , 2011, 90, 779-785.	3.6	60
79	Rab GTPases and tethering in the yeast endocytic pathway. <i>Small GTPases</i> , 2011, 2, 182-186.	1.6	25
80	The yeast Batten disease orthologue Btn1 controls endosome – Golgi retrograde transport via SNARE assembly. <i>Journal of Cell Biology</i> , 2011, 195, 203-215.	5.2	44
81	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.	2.1	80
82	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.	3.4	43
83	The Mon1-Ccz1 Complex Is the GEF of the Late Endosomal Rab7 Homolog Ypt7. <i>Current Biology</i> , 2010, 20, 1654-1659.	3.9	327
84	Multisubunit Tethering Complexes and Their Role in Membrane Fusion. <i>Current Biology</i> , 2010, 20, R943-R952.	3.9	185
85	Defined Subunit Arrangement and Rab Interactions Are Required for Functionality of the HOPS Tethering Complex. <i>Traffic</i> , 2010, 11, 1334-1346.	2.7	119
86	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.	5.2	107
87	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.	2.0	100
88	Guiding Endosomal Maturation. <i>Cell</i> , 2010, 141, 404-406.	28.9	23
89	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.	2.1	83
90	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.	2.1	82

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91	Depalmitoylation of Ykt6 Prevents its Entry into the Multivesicular Body Pathway. <i>Traffic</i> , 2008, 9, 1510-1521.	2.7	35
92	Chapter Thirteen Purification and In Vitro Analysis of Yeast Vacuoles. <i>Methods in Enzymology</i> , 2008, 451, 177-196.	1.0	35
93	Farnesylation of the SNARE Protein Ykt6 Increases Its Stability and Helical Folding. <i>Journal of Molecular Biology</i> , 2008, 377, 1334-1345.	4.2	33
94	Yeast vacuole fusion: A model system for eukaryotic endomembrane dynamics. <i>Autophagy</i> , 2008, 4, 5-19.	9.1	92
95	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.	7.0	250
96	Palmitoylation determines the function of Vac8 at the yeast vacuole. <i>Journal of Cell Science</i> , 2006, 119, 2477-2485.	2.0	49
97	The SNARE Ykt6 is released from yeast vacuoles during an early stage of fusion. <i>EMBO Reports</i> , 2005, 6, 245-250.	4.5	32
98	The vacuolar kinase Yck3 maintains organelle fragmentation by regulating the HOPS tethering complex. <i>Journal of Cell Biology</i> , 2005, 168, 401-414.	5.2	129
99	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.	7.1	53
100	ATP-independent Control of Vac8 Palmitoylation by a SNARE Subcomplex on Yeast Vacuoles. <i>Journal of Biological Chemistry</i> , 2005, 280, 15348-15355.	3.4	17
101	The SNARE Ykt6 mediates protein palmitoylation during an early stage of homotypic vacuole fusion. <i>EMBO Journal</i> , 2004, 23, 45-53.	7.8	72
102	On the mechanism of protein palmitoylation. <i>EMBO Reports</i> , 2004, 5, 1053-1057.	4.5	117
103	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.	3.4	37
104	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.	5.2	104
105	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.	2.1	51
106	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.	5.2	86
107	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.	5.2	188
108	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.	5.2	151

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109	Defining the functions of trans-SNARE pairs. Nature, 1998, 396, 543-548.	27.8	329
110	A Vacuolar vâ€t-SNARE Complex, the Predominant Form In Vivo and on Isolated Vacuoles, Is Disassembled and Activated for Docking and Fusion. Journal of Cell Biology, 1998, 140, 61-69.	5.2	235
111	Homotypic vacuolar fusion mediated by t- and v-SNAREs. Nature, 1997, 387, 199-202.	27.8	451