Alexey J Merz

List of Publications by Year
in descending order

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34 papers	2,397 citations	218677 26 h-index	377865 34 g-index
41 all docs	41 docs citations	41 times ranked	4046 citing authors

#	Article	IF	Citations
1	Vacuole Fusion at a Ring of Vertex Docking Sites Leaves Membrane Fragments within the Organelle. Cell, 2002, 108, 357-369.	28.9	211
2	Interdependent assembly of specific regulatory lipids and membrane fusion proteins into the vertex ring domain of docked vacuoles. Journal of Cell Biology, 2004, 167, 1087-1098.	5.2	204
3	Vps-C complexes: gatekeepers of endolysosomal traffic. Current Opinion in Cell Biology, 2009, 21, 543-551.	5.4	198
4	Hierarchy of protein assembly at the vertex ring domain for yeast vacuole docking and fusion. Journal of Cell Biology, 2003, 160, 365-374.	5.2	126
5	Efficient termination of vacuolar Rab GTPase signaling requires coordinated action by a GAP and a protein kinase. Journal of Cell Biology, 2008, 182, 1141-1151.	5.2	119
6	Subunit organization and Rab interactions of Vps-C protein complexes that control endolysosomal membrane traffic. Molecular Biology of the Cell, 2011, 22, 1353-1363.	2.1	118
7	Sec1/Munc18 protein Vps33 binds to SNARE domains and the quaternary SNARE complex. Molecular Biology of the Cell, 2012, 23, 4611-4622.	2.1	107
8	A cycle of Vam7p release from and PtdIns 3-Pâ€“dependent rebinding to the yeast vacuole is required for homotypic vacuole fusion. Journal of Cell Biology, 2002, 157, 79-90.	5.2	104
9	A soluble SNARE drives rapid docking, bypassing ATP and Sec17/18p for vacuole fusion. EMBO Journal, 2004, 23, 2765-2776.	7.8	94
10	Capture and release of partially zipped trans-SNARE complexes on intact organelles. Journal of Cell Biology, 2009, 185, 535-549.	5.2	94
11	Trans-SNARE interactions elicit Ca2+ efflux from the yeast vacuole lumen. Journal of Cell Biology, 2004, 164, 195-206.	5.2	85
12	Tissue-specific autophagy responses to aging and stress in C. elegans. Aging, 2015, 7, 419-434.	3.1	83
13	Hallmarks of Reversible Separation of Living, Unperturbed Cell Membranes into Two Liquid Phases. Biophysical Journal, 2017, 113, 2425-2432.	0.5	81
14	SM proteins Sly1 and Vps33 co-assemble with Sec17 and SNARE complexes to oppose SNARE disassembly by Sec18. ELife, 2014, 3, e02272.	6.0	69
15	HOPS Interacts with Apl5 at the Vacuole Membrane and Is Required for Consumption of AP-3 Transport Vesicles. Molecular Biology of the Cell, 2009, 20, 4563-4574.	2.1	65
16	Bacterial Surface Motility: Slime Trails, Grappling Hooks and Nozzles. Current Biology, 2002, 12, R297-R303.	3.9	64
17	New links between vesicle coats and Rab-mediated vesicle targeting. Seminars in Cell and Developmental Biology, 2011, 22, 18-26.	5.0	63
18	A Phosphatidylinositol 3-Kinase Effector Alters Phagosomal Maturation to Promote Intracellular Growth of Francisella. Cell Host and Microbe, 2018, 24, 285-295.e8.	11.0	53

#	Article	IF	Citations
19	Termination of Isoformâ€Selective Vps21/Rab5 Signaling at Endolysosomal Organelles by Msb3/Gyp3. Traffic, 2012, 13, 1411-1428.	2.7	51
20	Sec17 can trigger fusion of trans -SNARE paired membranes without Sec18. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2290-7.	7.1	51
21	Sec17/Sec18 act twice, enhancing membrane fusion and then disassembling cis-SNARE complexes. ELife, 2017, 6, .	6.0	42
22	Vps9 Family Protein Muk1 Is the Second Rab5 Guanosine Nucleotide Exchange Factor in Budding Yeast. Journal of Biological Chemistry, 2013, 288, 18162-18171.	3.4	41
23	Osmotic Regulation of Rab-Mediated Organelle Docking. Current Biology, 2008, 18, 1072-1077.	3.9	40
24	Resolution of organelle docking and fusion kinetics in a cell-free assay. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11548-11553.	7.1	38
25	Sec17 (Î±-SNAP) and an SM-tethering complex regulate the outcome of SNARE zippering in vitro and in vivo. ELife, 2017, 6, .	6.0	36
26	Rho Signaling Participates in Membrane Fluidity Homeostasis. PLoS ONE, 2012, 7, e45049.	2.5	35
27	Aneuploidy shortens replicative lifespan in Saccharomyces cerevisiae. Aging Cell, 2016, 15, 317-324.	6.7	28
28	Ubiquitin binding by the CUE domain promotes endosomal localization of the Rab5 GEF Vps9. Molecular Biology of the Cell, 2015, 26, 1345-1356.	2.1	27
29	Yeast cells actively tune their membranes to phase separate at temperatures that scale with growth temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
30	The denseâ€core vesicle maturation protein <scp>CCCP</scp>â€1 binds <scp>RAB</scp>â€2 and membranes through its Câ€terminal domain. Traffic, 2017, 18, 720-732.	2.7	15
31	What are the roles of V-ATPases in membrane fusion?. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8-9.	7.1	14
32	Listeria Motility: Biophysics Pushes Things Forward. Current Biology, 2003, 13, R302-R304.	3.9	11
33	<scp>LUCID</scp>: A Quantitative Assay of <scp>ESCRT</scp>â€Mediated Cargo Sorting into Multivesicular Bodies. Traffic, 2015, 16, 1318-1329.	2.7	8
34	Genetically encoded multimode reporter of adaptor complex 3 traffic in budding yeast. Traffic, 2021, 22, 38-44.	2.7	2