

# Alexey J Merz

## List of Publications by Citations

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34  
papers

1,969  
citations

25  
h-index

41  
g-index

41  
ext. papers

2,247  
ext. citations

8.7  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
34	Vacuole fusion at a ring of vertex docking sites leaves membrane fragments within the organelle. <i>Cell</i> , <b>2002</b> , 108, 357-69	56.2	187
33	Interdependent assembly of specific regulatory lipids and membrane fusion proteins into the vertex ring domain of docked vacuoles. <i>Journal of Cell Biology</i> , <b>2004</b> , 167, 1087-98	7.3	183
32	Vps-C complexes: gatekeepers of endolysosomal traffic. <i>Current Opinion in Cell Biology</i> , <b>2009</b> , 21, 543-519		182
31	Hierarchy of protein assembly at the vertex ring domain for yeast vacuole docking and fusion. <i>Journal of Cell Biology</i> , <b>2003</b> , 160, 365-74	7.3	118
30	Efficient termination of vacuolar Rab GTPase signaling requires coordinated action by a GAP and a protein kinase. <i>Journal of Cell Biology</i> , <b>2008</b> , 182, 1141-51	7.3	104
29	Subunit organization and Rab interactions of Vps-C protein complexes that control endolysosomal membrane traffic. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 1353-63	3.5	103
28	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> , <b>2002</b> , 157, 79-89	7.3	94
27	A soluble SNARE drives rapid docking, bypassing ATP and Sec17/18p for vacuole fusion. <i>EMBO Journal</i> , <b>2004</b> , 23, 2765-76	13	85
26	Capture and release of partially zipped trans-SNARE complexes on intact organelles. <i>Journal of Cell Biology</i> , <b>2009</b> , 185, 535-49	7.3	82
25	Sec1/Munc18 protein Vps33 binds to SNARE domains and the quaternary SNARE complex. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 4611-22	3.5	81
24	Trans-SNARE interactions elicit Ca <sup>2+</sup> efflux from the yeast vacuole lumen. <i>Journal of Cell Biology</i> , <b>2004</b> , 164, 195-206	7.3	75
23	HOPS interacts with Apl5 at the vacuole membrane and is required for consumption of AP-3 transport vesicles. <i>Molecular Biology of the Cell</i> , <b>2009</b> , 20, 4563-74	3.5	60
22	Bacterial surface motility: slime trails, grappling hooks and nozzles. <i>Current Biology</i> , <b>2002</b> , 12, R297-303	6.3	59
21	Tissue-specific autophagy responses to aging and stress in <i>C. elegans</i> . <i>Aging</i> , <b>2015</b> , 7, 419-34	5.6	55
20	New links between vesicle coats and Rab-mediated vesicle targeting. <i>Seminars in Cell and Developmental Biology</i> , <b>2011</b> , 22, 18-26	7.5	53
19	Hallmarks of Reversible Separation of Living, Unperturbed Cell Membranes into Two Liquid Phases. <i>Biophysical Journal</i> , <b>2017</b> , 113, 2425-2432	2.9	52
18	SM proteins Sly1 and Vps33 co-assemble with Sec17 and SNARE complexes to oppose SNARE disassembly by Sec18. <i>ELife</i> , <b>2014</b> , 3, e02272	8.9	49

17	Termination of isoform-selective Vps21/Rab5 signaling at endolysosomal organelles by Msb3/Gyp3. <i>Traffic</i> , <b>2012</b> , 13, 1411-1428	5.7	41
16	Sec17 can trigger fusion of trans-SNARE paired membranes without Sec18. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E2290-7	11.5	37
15	Resolution of organelle docking and fusion kinetics in a cell-free assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 11548-53	11.5	35
14	Osmotic regulation of Rab-mediated organelle docking. <i>Current Biology</i> , <b>2008</b> , 18, 1072-7	6.3	34
13	A Phosphatidylinositol 3-Kinase Effector Alters Phagosomal Maturation to Promote Intracellular Growth of Francisella. <i>Cell Host and Microbe</i> , <b>2018</b> , 24, 285-295.e8	23.4	29
12	Sec17/Sec18 act twice, enhancing membrane fusion and then disassembling -SNARE complexes. <i>ELife</i> , <b>2017</b> , 6,	8.9	28
11	Rho signaling participates in membrane fluidity homeostasis. <i>PLoS ONE</i> , <b>2012</b> , 7, e45049	3.7	27
10	Vps9 family protein Muk1 is the second Rab5 guanosine nucleotide exchange factor in budding yeast. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 18162-71	5.4	25
9	Sec17 (SNAP) and an SM-tethering complex regulate the outcome of SNARE zippering in vitro and in vivo. <i>ELife</i> , <b>2017</b> , 6,	8.9	20
8	Ubiquitin binding by the CUE domain promotes endosomal localization of the Rab5 GEF Vps9. <i>Molecular Biology of the Cell</i> , <b>2015</b> , 26, 1345-56	3.5	18
7	Aneuploidy shortens replicative lifespan in <i>Saccharomyces cerevisiae</i> . <i>Aging Cell</i> , <b>2016</b> , 15, 317-24	9.9	17
6	Listeria motility: biophysics pushes things forward. <i>Current Biology</i> , <b>2003</b> , 13, R302-4	6.3	11
5	The dense-core vesicle maturation protein CCCP-1 binds RAB-2 and membranes through its C-terminal domain. <i>Traffic</i> , <b>2017</b> , 18, 720-732	5.7	10
4	What are the roles of V-ATPases in membrane fusion?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8-9	11.5	9
3	LUCID: A Quantitative Assay of ESCRT-Mediated Cargo Sorting into Multivesicular Bodies. <i>Traffic</i> , <b>2015</b> , 16, 1318-29	5.7	4
2	Yeast cells actively tune their membranes to phase separate at temperatures that scale with growth temperatures.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5	1
1	Genetically encoded multimode reporter of adaptor complex 3 traffic in budding yeast. <i>Traffic</i> , <b>2021</b> , 22, 38-44	5.7	