

# Alexey J Merz

## List of Publications by Year in descending order

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34  
papers

2,397  
citations

218381

26  
h-index

377514

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. <i>Cell</i> , 2002, 108, 357-369.	13.5	211
2	Interdependent assembly of specific regulatory lipids and membrane fusion proteins into the vertex ring domain of docked vacuoles. <i>Journal of Cell Biology</i> , 2004, 167, 1087-1098.	2.3	204
3	Vps-C complexes: gatekeepers of endolysosomal traffic. <i>Current Opinion in Cell Biology</i> , 2009, 21, 543-551.	2.6	198
4	Hierarchy of protein assembly at the vertex ring domain for yeast vacuole docking and fusion. <i>Journal of Cell Biology</i> , 2003, 160, 365-374.	2.3	126
5	Efficient termination of vacuolar Rab GTPase signaling requires coordinated action by a GAP and a protein kinase. <i>Journal of Cell Biology</i> , 2008, 182, 1141-1151.	2.3	119
6	Subunit organization and Rab interactions of Vps-C protein complexes that control endolysosomal membrane traffic. <i>Molecular Biology of the Cell</i> , 2011, 22, 1353-1363.	0.9	118
7	Sec1/Munc18 protein Vps33 binds to SNARE domains and the quaternary SNARE complex. <i>Molecular Biology of the Cell</i> , 2012, 23, 4611-4622.	0.9	107
8	A cycle of Vam7p release from and PtdIns 3-Pâ€“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
9	A soluble SNARE drives rapid docking, bypassing ATP and Sec17/18p for vacuole fusion. <i>EMBO Journal</i> , 2004, 23, 2765-2776.	3.5	94
10	Capture and release of partially zipped trans-SNARE complexes on intact organelles. <i>Journal of Cell Biology</i> , 2009, 185, 535-549.	2.3	94
11	Trans-SNARE interactions elicit Ca <sup>2+</sup> efflux from the yeast vacuole lumen. <i>Journal of Cell Biology</i> , 2004, 164, 195-206.	2.3	85
12	Tissue-specific autophagy responses to aging and stress in <i>C. elegans</i> . <i>Aging</i> , 2015, 7, 419-434.	1.4	83
13	Hallmarks of Reversible Separation of Living, Unperturbed Cell Membranes into Two Liquid Phases. <i>Biophysical Journal</i> , 2017, 113, 2425-2432.	0.2	81
14	SM proteins Sly1 and Vps33 co-assemble with Sec17 and SNARE complexes to oppose SNARE disassembly by Sec18. <i>ELife</i> , 2014, 3, e02272.	2.8	69
15	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> , 2009, 20, 4563-4574.	0.9	65
16	Bacterial Surface Motility: Slime Trails, Grappling Hooks and Nozzles. <i>Current Biology</i> , 2002, 12, R297-R303.	1.8	64
17	New links between vesicle coats and Rab-mediated vesicle targeting. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 18-26.	2.3	63
18	A Phosphatidylinositol 3-Kinase Effector Alters Phagosomal Maturation to Promote Intracellular Growth of <i>Francisella</i> . <i>Cell Host and Microbe</i> , 2018, 24, 285-295.e8.	5.1	53

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19	Termination of Isoform-Selective Vps21/Rab5 Signaling at Endolysosomal Organelles by Msb3/Gyp3. <i>Traffic</i> , 2012, 13, 1411-1428.	1.3	51
20	Sec17 can trigger fusion of <i>trans</i> -SNARE paired membranes without Sec18. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2290-7.	3.3	51
21	Sec17/Sec18 act twice, enhancing membrane fusion and then disassembling cis-SNARE complexes. <i>ELife</i> , 2017, 6, .	2.8	42
22	Vps9 Family Protein Muk1 Is the Second Rab5 Guanosine Nucleotide Exchange Factor in Budding Yeast. <i>Journal of Biological Chemistry</i> , 2013, 288, 18162-18171.	1.6	41
23	Osmotic Regulation of Rab-Mediated Organelle Docking. <i>Current Biology</i> , 2008, 18, 1072-1077.	1.8	40
24	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> , 2004, 101, 11548-11553.	3.3	38
25	Sec17 (Î±-SNAP) and an SM-tethering complex regulate the outcome of SNARE zippering in vitro and in vivo. <i>ELife</i> , 2017, 6, .	2.8	36
26	Rho Signaling Participates in Membrane Fluidity Homeostasis. <i>PLoS ONE</i> , 2012, 7, e45049.	1.1	35
27	Aneuploidy shortens replicative lifespan in <i>Saccharomyces cerevisiae</i> . <i>Aging Cell</i> , 2016, 15, 317-324.	3.0	28
28	Ubiquitin binding by the CUE domain promotes endosomal localization of the Rab5 GEF Vps9. <i>Molecular Biology of the Cell</i> , 2015, 26, 1345-1356.	0.9	27
29	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> , 2022, 119, .	3.3	17
30	The dense-core vesicle maturation protein <i>CCC1</i> binds <i>RAB2</i> and membranes through its C-terminal domain. <i>Traffic</i> , 2017, 18, 720-732.	1.3	15
31	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> , 2015, 112, 8-9.	3.3	14
32	Listeria Motility: Biophysics Pushes Things Forward. <i>Current Biology</i> , 2003, 13, R302-R304.	1.8	11
33	<i>LUCID</i> : A Quantitative Assay of ESCRT-Mediated Cargo Sorting into Multivesicular Bodies. <i>Traffic</i> , 2015, 16, 1318-1329.	1.3	8
34	Genetically encoded multimode reporter of adaptor complex 3 traffic in budding yeast. <i>Traffic</i> , 2021, 22, 38-44.	1.3	2