

Matthew N J Seaman

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54
papers

8,575
citations

32
h-index

59
g-index

59
ext. papers

9,452
ext. citations

10.1
avg, IF

6.32
L-index

#	Paper	IF	Citations
54	Induction of autophagy and inhibition of tumorigenesis by beclin 1. <i>Nature</i> , 1999 , 402, 672-6	50.4	2674
53	Autophagy genes are essential for dauer development and life-span extension in <i>C. elegans</i> . <i>Science</i> , 2003 , 301, 1387-91	33.3	1029
52	Clathrin-mediated endocytosis in AP-2-depleted cells. <i>Journal of Cell Biology</i> , 2003 , 162, 909-18	7.3	574
51	Cargo-selective endosomal sorting for retrieval to the Golgi requires retromer. <i>Journal of Cell Biology</i> , 2004 , 165, 111-22	7.3	496
50	The retromer complex - endosomal protein recycling and beyond. <i>Journal of Cell Science</i> , 2012 , 125, 4693-702	3.702	319
49	Mutation in VPS35 associated with Parkinson's disease impairs WASH complex association and inhibits autophagy. <i>Nature Communications</i> , 2014 , 5, 3828	17.4	296
48	Membrane recruitment of the cargo-selective retromer subcomplex is catalysed by the small GTPase Rab7 and inhibited by the Rab-GAP TBC1D5. <i>Journal of Cell Science</i> , 2009 , 122, 2371-82	5.3	265
47	Recycle your receptors with retromer. <i>Trends in Cell Biology</i> , 2005 , 15, 68-75	18.3	261
46	The fifth adaptor protein complex. <i>PLoS Biology</i> , 2011 , 9, e1001170	9.7	205
45	Identification of a novel conserved sorting motif required for retromer-mediated endosome-to-TGN retrieval. <i>Journal of Cell Science</i> , 2007 , 120, 2378-89	5.3	193
44	Retromer binds the FANSHY sorting motif in SorLA to regulate amyloid precursor protein sorting and processing. <i>Journal of Neuroscience</i> , 2012 , 32, 1467-80	6.6	181
43	The cargo-selective retromer complex is a recruiting hub for protein complexes that regulate endosomal tubule dynamics. <i>Journal of Cell Science</i> , 2010 , 123, 3703-17	5.3	178
42	Retromer-mediated endosomal protein sorting: all WASHed up!. <i>Trends in Cell Biology</i> , 2013 , 23, 522-8	18.3	157
41	Recruitment of the endosomal WASH complex is mediated by the extended WASH of Fam21 binding to the retromer protein Vps35. <i>Biochemical Journal</i> , 2012 , 442, 209-20	3.8	154
40	Identification of Alzheimer disease-associated variants in genes that regulate retromer function. <i>Neurobiology of Aging</i> , 2012 , 33, 2231.e15-2231.e30	5.6	115
39	Myosin VI and its interacting protein LMTK2 regulate tubule formation and transport to the endocytic recycling compartment. <i>Journal of Cell Science</i> , 2007 , 120, 4278-88	5.3	113
38	Vps29 has a phosphoesterase fold that acts as a protein interaction scaffold for retromer assembly. <i>Nature Structural and Molecular Biology</i> , 2005 , 12, 594-602	17.6	111

37	An ESCRT-spastin interaction promotes fission of recycling tubules from the endosome. <i>Journal of Cell Biology</i> , 2013 , 202, 527-43	7.3	104
36	EHD1 interacts with retromer to stabilize SNX1 tubules and facilitate endosome-to-Golgi retrieval. <i>Traffic</i> , 2007 , 8, 1873-1886	5.7	104
35	Structure of Vps26B and mapping of its interaction with the retromer protein complex. <i>Traffic</i> , 2008 , 9, 366-79	5.7	86
34	VARP is recruited on to endosomes by direct interaction with retromer, where together they function in export to the cell surface. <i>Developmental Cell</i> , 2014 , 29, 591-606	10.2	82
33	Identification of the functional domains of yeast sorting nexins Vps5p and Vps17p. <i>Molecular Biology of the Cell</i> , 2002 , 13, 2826-40	3.5	82
32	RME-8 coordinates the activity of the WASH complex with the function of the retromer SNX dimer to control endosomal tubulation. <i>Journal of Cell Science</i> , 2014 , 127, 2053-70	5.3	74
31	Endosome protein sorting: motifs and machinery. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 2842-58	10.3	73
30	A screen for endocytic motifs. <i>Traffic</i> , 2010 , 11, 843-55	5.7	67
29	Endosomal recruitment of the WASH complex: active sequences and mutations impairing interaction with the retromer. <i>Biology of the Cell</i> , 2013 , 105, 191-207	3.5	63
28	VPS29 is not an active metallo-phosphatase but is a rigid scaffold required for retromer interaction with accessory proteins. <i>PLoS ONE</i> , 2011 , 6, e20420	3.7	46
27	Identification of a conserved motif required for Vps35p/Vps26p interaction and assembly of the retromer complex. <i>Biochemical Journal</i> , 2007 , 408, 287-95	3.8	43
26	Rab7 mutants associated with Charcot-Marie-Tooth disease cause delayed growth factor receptor transport and altered endosomal and nuclear signaling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 1135-44	5.4	36
25	Evolution of differences in transport function in Slc11a family members. <i>Journal of Biological Chemistry</i> , 2007 , 282, 35646-56	5.4	35
24	Genome-wide RNAi screen reveals a role for multipass membrane proteins in endosome-to-golgi retrieval. <i>Cell Reports</i> , 2014 , 9, 1931-1945	10.6	34
23	The hereditary spastic paraplegia protein strumpellin: characterisation in neurons and of the effect of disease mutations on WASH complex assembly and function. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 160-73	6.9	34
22	A role of histone H3 lysine 4 methyltransferase components in endosomal trafficking. <i>Journal of Cell Biology</i> , 2009 , 186, 343-53	7.3	29
21	Inhibition of TBC1D5 activates Rab7a and can enhance the function of the retromer cargo-selective complex. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	27
20	The role of cargo proteins in GGA recruitment. <i>Traffic</i> , 2007 , 8, 594-604	5.7	25

19	Retromer-mediated endosomal protein sorting: The role of unstructured domains. <i>FEBS Letters</i> , 2015 , 589, 2620-6	3.8	24
18	Analysis of the Retromer complex-WASH complex interaction illuminates new avenues to explore in Parkinson disease. <i>Communicative and Integrative Biology</i> , 2014 , 7, e29483	1.7	23
17	Retromer and the cation-independent mannose 6-phosphate receptor-Time for a trial separation?. <i>Traffic</i> , 2018 , 19, 150-152	5.7	21
16	A bipartite sorting signal ensures specificity of retromer complex in membrane protein recycling. <i>Journal of Cell Biology</i> , 2019 , 218, 2876-2886	7.3	20
15	Image-based and biochemical assays to investigate endosomal protein sorting. <i>Methods in Enzymology</i> , 2014 , 534, 155-78	1.7	15
14	Analysis of novel endosome-to-Golgi retrieval genes reveals a role for PLD3 in regulating endosomal protein sorting and amyloid precursor protein processing. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 2613-2625	10.3	13
13	Evolutionary variations of VPS29, and their implications for the heteropentameric model of retromer. <i>Communicative and Integrative Biology</i> , 2011 , 4, 619-622	1.7	13
12	The Retromer Complex: From Genesis to Revelations. <i>Trends in Biochemical Sciences</i> , 2021 , 46, 608-620	10.3	11
11	Retromer and Its Role in Regulating Signaling at Endosomes. <i>Progress in Molecular and Subcellular Biology</i> , 2018 , 57, 137-149	3	8
10	Evolutionary variations of VPS29, and their implications for the heteropentameric model of retromer. <i>Communicative and Integrative Biology</i> , 2011 , 4, 619-22	1.7	7
9	Calnuc Function in Endosomal Sorting of Lysosomal Receptors. <i>Traffic</i> , 2016 , 17, 416-32	5.7	7
8	Mechanism and evolution of the Zn-fingernail required for interaction of VARP with VPS29. <i>Nature Communications</i> , 2020 , 11, 5031	17.4	6
7	Back From the Brink: Retrieval of Membrane Proteins From Terminal Compartments: Unexpected Pathways for Membrane Protein Retrieval From Vacuoles and Endolysosomes. <i>BioEssays</i> , 2019 , 41, e1800146	4.1	4
6	Enhanced SnapShot: endosome-to-golgi retrieval. <i>Cell</i> , 2009 , 139, 1198-1198.e1	56.2	4
5	Navigating the Controversies of Retromer-Mediated Endosomal Protein Sorting. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 658741	5.7	4
4	Ricin toxin hits a retrograde roadblock. <i>Cell</i> , 2010 , 141, 222-4	56.2	3
3	An Evolving Understanding of Sorting Signals for Endosomal Retrieve.. <i>IScience</i> , 2022 , 104254	6.1	3
2	A dimmer switch for endosome-to-cell surface recycling. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	1

1 Response to letter by Insall. *Trends in Cell Biology*, **2013**, 23, 520-1

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