Matthew N J Seaman

List of Publications by Year
in descending order

56	10,037	117453	149479
papers	citations	34 h-index	56 g-index

59	59	59	12725
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Induction of autophagy and inhibition of tumorigenesis by beclin 1. Nature, 1999, 402, 672-676.	13.7	2,991
2	Autophagy Genes Are Essential for Dauer Development and Life-Span Extension in C. elegans. Science, 2003, 301, 1387-1391.	6.0	1,200
3	Clathrin-mediated endocytosis in AP-2â€“depleted cells. Journal of Cell Biology, 2003, 162, 909-918.	2.3	618
4	Cargo-selective endosomal sorting for retrieval to the Golgi requires retromer. Journal of Cell Biology, 2004, 165, 111-122.	2.3	563
5	The retromer complex â€“ endosomal protein recycling and beyond. Journal of Cell Science, 2012, 125, 4693-702.	1.2	377
6	Mutation in VPS35 associated with Parkinsonâ€™s disease impairs WASH complex association and inhibits autophagy. Nature Communications, 2014, 5, 3828.	5.8	374
7	Membrane recruitment of the cargo-selective retromer subcomplex is catalysed by the small GTPase Rab7 and inhibited by the Rab-GAP TBC1D5. Journal of Cell Science, 2009, 122, 2371-2382.	1.2	328
8	Recycle your receptors with retromer. Trends in Cell Biology, 2005, 15, 68-75.	3.6	284
9	The Fifth Adaptor Protein Complex. PLoS Biology, 2011, 9, e1001170.	2.6	241
10	Retromer Binds the FANSHY Sorting Motif in SorLA to Regulate Amyloid Precursor Protein Sorting and Processing. Journal of Neuroscience, 2012, 32, 1467-1480.	1.7	225
11	The cargo-selective retromer complex is a recruiting hub for protein complexes that regulate endosomal tubule dynamics. Journal of Cell Science, 2010, 123, 3703-3717.	1.2	221
12	Identification of a novel conserved sorting motif required for retromer-mediated endosome-to-TGN retrieval. Journal of Cell Science, 2007, 120, 2378-2389.	1.2	216
13	Recruitment of the endosomal WASH complex is mediated by the extended â€˜tailâ€™ of Fam21 binding to the retromer protein Vps35. Biochemical Journal, 2012, 442, 209-220.	1.7	200
14	Retromer-mediated endosomal protein sorting: all WASHed up!. Trends in Cell Biology, 2013, 23, 522-528.	3.6	179
15	An ESCRTâ€“spastin interaction promotes fission of recycling tubules from the endosome. Journal of Cell Biology, 2013, 202, 527-543.	2.3	139
16	Vps29 has a phosphoesterase fold that acts as a protein interaction scaffold for retromer assembly. Nature Structural and Molecular Biology, 2005, 12, 594-602.	3.6	136
17	Identification of Alzheimer disease-associated variants in genes that regulate retromer function. Neurobiology of Aging, 2012, 33, 2231.e15-2231.e30.	1.5	135
18	Myosin VI and its interacting protein LMTK2 regulate tubule formation and transport to the endocytic recycling compartment. Journal of Cell Science, 2007, 120, 4278-4288.	1.2	122

#	Article	IF	Citations
19	EHD1 Interacts with Retromer to Stabilize SNX1 Tubules and Facilitate Endosomeâ€toâ€Golgi Retrieval. Traffic, 2007, 8, 1873-1886.	1.3	116
20	VARP Is Recruited on to Endosomes by Direct Interaction with Retromer, Where Together They Function in Export to the Cell Surface. Developmental Cell, 2014, 29, 591-606.	3.1	110
21	Structure of Vps26B and Mapping of its Interaction with the Retromer Protein Complex. Traffic, 2008, 9, 366-379.	1.3	104
22	Identification of the Functional Domains of Yeast Sorting Nexins Vps5p and Vps17p. Molecular Biology of the Cell, 2002, 13, 2826-2840.	0.9	95
23	RME-8 coordinates the WASH complex with the retromer SNX-BAR dimer to control endosomal tubulation. Journal of Cell Science, 2014, 127, 2053-70.	1.2	92
24	A Screen for Endocytic Motifs. Traffic, 2010, 11, 843-855.	1.3	89
25	Membrane traffic in the secretory pathway. Cellular and Molecular Life Sciences, 2008, 65, 2842-2858.	2.4	85
26	Endosomal recruitment of the WASH complex: Active sequences and mutations impairing interaction with the retromer. Biology of the Cell, 2013, 105, 191-207.	0.7	74
27	VPS29 Is Not an Active Metallo-Phosphatase but Is a Rigid Scaffold Required for Retromer Interaction with Accessory Proteins. PLoS ONE, 2011, 6, e20420.	1.1	53
28	Inhibition of TBC1D5 activates Rab7a and can enhance the function of the retromer cargo-selective complex. Journal of Cell Science, 2018, 131, .	1.2	50
29	Identification of a conserved motif required for Vps35p/Vps26p interaction and assembly of the retromer complex. Biochemical Journal, 2007, 408, 287-295.	1.7	49
30	The Retromer Complex: From Genesis to Revelations. Trends in Biochemical Sciences, 2021, 46, 608-620.	3.7	46
31	Rab7 Mutants Associated with Charcot-Marie-Tooth Disease Cause Delayed Growth Factor Receptor Transport and Altered Endosomal and Nuclear Signaling. Journal of Biological Chemistry, 2013, 288, 1135-1149.	1.6	45
32	The hereditary spastic paraplegia protein strumpellin: Characterisation in neurons and of the effect of disease mutations on WASH complex assembly and function. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 160-173.	1.8	41
33	Genome-wide RNAi Screen Reveals a Role for Multipass Membrane Proteins in Endosome-to-Golgi Retrieval. Cell Reports, 2014, 9, 1931-1945.	2.9	40
34	Evolution of Differences in Transport Function in Slc11a Family Members. Journal of Biological Chemistry, 2007, 282, 35646-35656.	1.6	38
35	A bipartite sorting signal ensures specificity of retromer complex in membrane protein recycling. Journal of Cell Biology, 2019, 218, 2876-2886.	2.3	34
36	A role of histone H3 lysine 4 methyltransferase components in endosomal trafficking. Journal of Cell Biology, 2009, 186, 343-353.	2.3	32

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37	Retromerâ€mediated endosomal protein sorting: The role of unstructured domains. FEBS Letters, 2015, 589, 2620-2626.	1.3	32
38	Retromer and the cationâ€independent mannose 6â€phosphate receptorâ€”Time for a trial separation?. Traffic, 2018, 19, 150-152.	1.3	29
39	Analysis of the Retromer complex-WASH complex interaction illuminates new avenues to explore in Parkinson disease. Communicative and Integrative Biology, 2014, 7, e29483.	0.6	27
40	The Role of Cargo Proteins in GGA Recruitment. Traffic, 2007, 8, 594-604.	1.3	26
41	VPS35 Parkinson mutation impairs autophagy via WASH. Cell Cycle, 2014, 13, 2155-2156.	1.3	21
42	Mechanism and evolution of the Zn-fingernail required for interaction of VARP with VPS29. Nature Communications, 2020, 11, 5031.	5.8	21
43	Analysis of novel endosome-to-Golgi retrieval genes reveals a role for PLD3 in regulating endosomal protein sorting and amyloid precursor protein processing. Cellular and Molecular Life Sciences, 2018, 75, 2613-2625.	2.4	18
44	Evolutionary variations of VPS29, and their implications for the heteropentameric model of retromer. Communicative and Integrative Biology, 2011, 4, 619-622.	0.6	16
45	Image-Based and Biochemical Assays to Investigate Endosomal Protein Sorting. Methods in Enzymology, 2014, 534, 155-178.	0.4	16
46	Navigating the Controversies of Retromer-Mediated Endosomal Protein Sorting. Frontiers in Cell and Developmental Biology, 2021, 9, 658741.	1.8	16
47	Retromer and Its Role in Regulating Signaling at Endosomes. Progress in Molecular and Subcellular Biology, 2018, 57, 137-149.	0.9	12
48	An evolving understanding of sorting signals for endosomal retrieval. IScience, 2022, 25, 104254.	1.9	12
49	Back From the Brink: Retrieval of Membrane Proteins From Terminal Compartments. BioEssays, 2019, 41, e1800146.	1.2	11
50	Calnuc Function in Endosomal Sorting of Lysosomal Receptors. Traffic, 2016, 17, 416-432.	1.3	10
51	Evolutionary variations of VPS29, and their implications for the heteropentameric model of retromer. Communicative and Integrative Biology, 2011, 4, 619-22.	0.6	7
52	Endosome sorting: GSE complex minds the Gap. Nature Cell Biology, 2006, 8, 648-649.	4.6	5
53	Ricin Toxin Hits a Retrograde Roadblock. Cell, 2010, 141, 222-224.	13.5	5
54	Enhanced SnapShot: Endosome-to-Golgi Retrieval. Cell, 2009, 139, 1198-1198.e1.	13.5	4

#	Article	IF	Citations
55	A dimmer switch for endosome-toâ€“cell surface recycling. Journal of Cell Biology, 2021, 220, .	2.3	1
56	Response to letter by Insall. Trends in Cell Biology, 2013, 23, 520-521.	3.6	0