

Sean Munro

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

24,584
citations

22099

59
h-index

34900

98
g-index

117
all docs

117
docs citations

117
times ranked

21678
citing authors

#	ARTICLE	IF	CITATIONS
1	Furin cleavage of SARS-CoV-2 Spike promotes but is not essential for infection and cell-cell fusion. <i>PLoS Pathogens</i> , 2021, 17, e1009246.	2.1	268
2	Structural basis for VPS34 kinase activation by Rab1 and Rab5 on membranes. <i>Nature Communications</i> , 2021, 12, 1564.	5.8	50
3	Cryo-EM structure of metazoan TRAPP3, the multi-subunit complex that activates the GTPase Rab1. <i>EMBO Journal</i> , 2021, 40, e107608.	3.5	26
4	Sequences in the cytoplasmic tail of SARS-CoV-2 Spike facilitate expression at the cell surface and syncytia formation. <i>Nature Communications</i> , 2021, 12, 5333.	5.8	64
5	GOLPH3 and GOLPH3L are broad-spectrum COPI adaptors for sorting into intra-Golgi transport vesicles. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	26
6	20 years of <i>Developmental Cell</i> : Looking back. <i>Developmental Cell</i> , 2021, 56, 3181-3184.	3.1	0
7	Spatial proteomics defines the content of trafficking vesicles captured by golgin tethers. <i>Nature Communications</i> , 2020, 11, 5987.	5.8	45
8	Transbilayer Movement of Sphingomyelin Precedes Catastrophic Breakage of Enterobacteria-Containing Vacuoles. <i>Current Biology</i> , 2020, 30, 2974-2983.e6.	1.8	33
9	A tale of short tails, through thick and thin: investigating the sorting mechanisms of Golgi enzymes. <i>FEBS Letters</i> , 2019, 593, 2452-2465.	1.3	52
10	Transport carrier tethering – how vesicles are captured by organelles. <i>Current Opinion in Cell Biology</i> , 2019, 59, 140-146.	2.6	34
11	In vivo identification of GTPase interactors by mitochondrial relocalization and proximity biotinylation. <i>ELife</i> , 2019, 8, .	2.8	67
12	The two TRAPP complexes of metazoans have distinct roles and act on different Rab GTPases. <i>Journal of Cell Biology</i> , 2018, 217, 601-617.	2.3	60
13	Golgins. <i>Current Biology</i> , 2018, 28, R374-R376.	1.8	31
14	Toolbox: Creating a systematic database of secretory pathway proteins uncovers new cargo for COPI. <i>Traffic</i> , 2018, 19, 370-379.	1.3	15
15	The small G protein Arl8 contributes to lysosomal function and long-range axonal transport in <i>Drosophila</i> . <i>Biology Open</i> , 2018, 7, .	0.6	33
16	TBC1D23 is a bridging factor for endosomal vesicle capture by golgins at the trans-Golgi. <i>Nature Cell Biology</i> , 2017, 19, 1424-1432.	4.6	58
17	The golgin coiled-coil proteins capture different types of transport carriers via distinct N-terminal motifs. <i>BMC Biology</i> , 2017, 15, 3.	1.7	61
18	Structural Insights into Arl1-Mediated Targeting of the Arf-GEF BIG1 to the trans-Golgi. <i>Cell Reports</i> , 2016, 16, 839-850.	2.9	29

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19	An antibody toolkit for the study of membrane traffic in <i>Drosophila melanogaster</i> . <i>Biology Open</i> , 2016, 5, 987-992.	0.6	82
20	Finding the Golgi: Golgin Coiled-Coil Proteins Show the Way. <i>Trends in Cell Biology</i> , 2016, 26, 399-408.	3.6	125
21	The small G protein Arl5 contributes to endosome-to-Golgi traffic by aiding the recruitment of the GARP complex to the Golgi. <i>Biology Open</i> , 2015, 4, 474-481.	0.6	27
22	Toward a Comprehensive Map of the Effectors of Rab GTPases. <i>Developmental Cell</i> , 2014, 31, 358-373.	3.1	224
23	The Arf family G protein Arl1 is required for secretory granule biogenesis in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2014, 127, 2151-60.	1.2	38
24	The specificity of vesicle traffic to the Golgi is encoded in the golgin coiled-coil proteins. <i>Science</i> , 2014, 346, 1256898.	6.0	231
25	Î³-Tubulin controls neuronal microtubule polarity independently of Golgi outposts. <i>Molecular Biology of the Cell</i> , 2014, 25, 2039-2050.	0.9	96
26	Open questions: What is there left for cell biologists to do?. <i>BMC Biology</i> , 2013, 11, 16.	1.7	6
27	A Systematic Approach to Pair Secretory Cargo Receptors with Their Cargo Suggests a Mechanism for Cargo Selection by Erv14. <i>PLoS Biology</i> , 2012, 10, e1001329.	2.6	87
28	Putative Glycosyltransferases and Other Plant Golgi Apparatus Proteins Are Revealed by LOPIT Proteomics. <i>Plant Physiology</i> , 2012, 160, 1037-1051.	2.3	149
29	Untangling the evolution of Rab G proteins: implications of a comprehensive genomic analysis. <i>BMC Biology</i> , 2012, 10, 71.	1.7	159
30	The small G protein Arl1 directs the trans-Golgi-specific targeting of the Arf1 exchange factors BIG1 and BIG2. <i>Journal of Cell Biology</i> , 2012, 196, 327-335.	2.3	61
31	Arl8 and SKIP Act Together to Link Lysosomes to Kinesin-1. <i>Developmental Cell</i> , 2011, 21, 1171-1178.	3.1	257
32	Q&A: What is the Golgi apparatus, and why are we asking?. <i>BMC Biology</i> , 2011, 9, 63.	1.7	12
33	The Golgin Coiled-Coil Proteins of the Golgi Apparatus. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005256-a005256.	2.3	183
34	Sean Munro: Revealing the Golgi's true identity. <i>Journal of Cell Biology</i> , 2011, 192, 4-5.	2.3	0
35	A genome-wide RNA interference screen identifies two novel components of the metazoan secretory pathway. <i>EMBO Journal</i> , 2010, 29, 304-314.	3.5	100
36	Membrane Delivery to the Yeast Autophagosome from the Golgi-Endosomal System. <i>Molecular Biology of the Cell</i> , 2010, 21, 3998-4008.	0.9	160

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37	A Comprehensive Comparison of Transmembrane Domains Reveals Organelle-Specific Properties. <i>Cell</i> , 2010, 142, 158-169.	13.5	477
38	Golgi coiled-coil proteins contain multiple binding sites for Rab family G proteins. <i>Journal of Cell Biology</i> , 2008, 183, 607-615.	2.3	167
39	The yeast orthologue of GRASP65 forms a complex with a coiled-coil protein that contributes to ER to Golgi traffic. <i>Journal of Cell Biology</i> , 2007, 176, 255-261.	2.3	136
40	The Arl4 Family of Small G Proteins Can Recruit the Cytohesin Arf6 Exchange Factors to the Plasma Membrane. <i>Current Biology</i> , 2007, 17, 711-716.	1.8	112
41	The Small G Proteins of the Arf Family and Their Regulators. <i>Annual Review of Cell and Developmental Biology</i> , 2007, 23, 579-611.	4.0	520
42	Identification of a Guanine Nucleotide Exchange Factor for Arf3, the Yeast Orthologue of Mammalian Arf6. <i>PLoS ONE</i> , 2007, 2, e842.	1.1	19
43	Selective Export of HLA-F by Its Cytoplasmic Tail. <i>Journal of Immunology</i> , 2006, 176, 6464-6472.	0.4	72
44	An N-terminally acetylated Arf-like GTPase is localised to lysosomes and affects their motility. <i>Journal of Cell Science</i> , 2006, 119, 1494-1503.	1.2	195
45	Nomenclature for the human Arf family of GTP-binding proteins: ARF, ARL, and SAR proteins. <i>Journal of Cell Biology</i> , 2006, 172, 645-650.	2.3	232
46	Mon2, a Relative of Large Arf Exchange Factors, Recruits Dop1 to the Golgi Apparatus. <i>Journal of Biological Chemistry</i> , 2006, 281, 2273-2280.	1.6	37
47	The Arf-like GTPase Arl1 and its role in membrane traffic. <i>Biochemical Society Transactions</i> , 2005, 33, 601-605.	1.6	47
48	Organelle identity and the signposts for membrane traffic. <i>Nature</i> , 2005, 438, 597-604.	13.7	439
49	The Golgi apparatus: defining the identity of Golgi membranes. <i>Current Opinion in Cell Biology</i> , 2005, 17, 395-401.	2.6	31
50	The exocyst component Sec5 is present on endocytic vesicles in the oocyte of <i>Drosophila melanogaster</i> . <i>Journal of Cell Biology</i> , 2005, 169, 953-963.	2.3	57
51	The GTPase Arf1p and the ER to Golgi cargo receptor Erv14p cooperate to recruit the golgin Rud3p to the cis-Golgi. <i>Journal of Cell Biology</i> , 2004, 167, 281-292.	2.3	87
52	Organelle identity and the organization of membrane traffic. <i>Nature Cell Biology</i> , 2004, 6, 469-472.	4.6	78
53	Targeting of the Arf-like GTPase Arl3p to the Golgi requires N-terminal acetylation and the membrane protein Sys1p. <i>Nature Cell Biology</i> , 2004, 6, 405-413.	4.6	236
54	Global Mapping of the Yeast Genetic Interaction Network. <i>Science</i> , 2004, 303, 808-813.	6.0	1,908

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55	The ARF-like GTPases Arl1p and Arl3p Act in a Pathway that Interacts with Vesicle-Tethering Factors at the Golgi Apparatus. <i>Current Biology</i> , 2003, 13, 405-410.	1.8	164
56	Long coiled-coil proteins and membrane traffic. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003, 1641, 71-85.	1.9	188
57	Earthworms and lipid couriers. <i>Nature</i> , 2003, 426, 775-776.	13.7	28
58	Lipid Rafts. <i>Cell</i> , 2003, 115, 377-388.	13.5	1,422
59	Structural Basis for Arl1-Dependent Targeting of Homodimeric GRIP Domains to the Golgi Apparatus. <i>Molecular Cell</i> , 2003, 12, 863-874.	4.5	135
60	An N-acetylglucosaminyltransferase of the Golgi apparatus of the yeast <i>Saccharomyces cerevisiae</i> that can modify N-linked glycans. <i>Glycobiology</i> , 2003, 13, 581-589.	1.3	26
61	CASP, the Alternatively Spliced Product of the Gene Encoding the CCAAT-Displacement Protein Transcription Factor, Is a Golgi Membrane Protein Related to Giantin. <i>Molecular Biology of the Cell</i> , 2002, 13, 3761-3774.	0.9	114
62	The Components of the <i>Saccharomyces cerevisiae</i> Mannosyltransferase Complex M-Pol I Have Distinct Functions in Mannan Synthesis. <i>Journal of Biological Chemistry</i> , 2002, 277, 44801-44808.	1.6	61
63	Targeting of Golgi-Specific Pleckstrin Homology Domains Involves Both PtdIns 4-Kinase-Dependent and -Independent Components. <i>Current Biology</i> , 2002, 12, 695-704.	1.8	453
64	Organelle identity and the targeting of peripheral membrane proteins. <i>Current Opinion in Cell Biology</i> , 2002, 14, 506-514.	2.6	60
65	More than one way to replicate the Golgi apparatus. <i>Nature Cell Biology</i> , 2002, 4, E223-E224.	4.6	20
66	Vesicle tethering complexes in membrane traffic. <i>Journal of Cell Science</i> , 2002, 115, 2627-2637.	1.2	379
67	Vesicle tethering complexes in membrane traffic. <i>Journal of Cell Science</i> , 2002, 115, 2627-37.	1.2	330
68	The Sec34/35 Golgi Transport Complex Is Related to the Exocyst, Defining a Family of Complexes Involved in Multiple Steps of Membrane Traffic. <i>Developmental Cell</i> , 2001, 1, 527-537.	3.1	232
69	What can yeast tell us about N-linked glycosylation in the Golgi apparatus?. <i>FEBS Letters</i> , 2001, 498, 223-227.	1.3	94
70	A yeast homolog of the mammalian mannose 6-phosphate receptors contributes to the sorting of vacuolar hydrolases. <i>Current Biology</i> , 2001, 11, 1074-1078.	1.8	48
71	The MRH domain suggests a shared ancestry for the mannose 6-phosphate receptors and other N-glycan-recognising proteins. <i>Current Biology</i> , 2001, 11, R499-R501.	1.8	97
72	Dual Targeting of Osh1p, a Yeast Homologue of Oxysterol-binding Protein, to both the Golgi and the Nucleus-Vacuole Junction. <i>Molecular Biology of the Cell</i> , 2001, 12, 1633-1644.	0.9	178

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73	Accumulation of Caveolin in the Endoplasmic Reticulum Redirects the Protein to Lipid Storage Droplets. <i>Journal of Cell Biology</i> , 2001, 152, 1071-1078.	2.3	230
74	The Notch signalling regulator Fringe acts in the Golgi apparatus and requires the glycosyltransferase signature motif DxD. <i>Current Biology</i> , 2000, 10, 813-820.	1.8	253
75	The PACT domain, a conserved centrosomal targeting motif in the coiled-coil proteins AKAP450 and pericentrin. <i>EMBO Reports</i> , 2000, 1, 524-529.	2.0	316
76	Inositol Phosphorylceramide Synthase Is Located in the Golgi Apparatus of <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2000, 11, 2267-2281.	0.9	148
77	The <i>Saccharomyces cerevisiae</i> Protein Mnn10p/Bed1p Is a Subunit of a Golgi Mannosyltransferase Complex. <i>Journal of Biological Chemistry</i> , 1999, 274, 6579-6585.	1.6	117
78	The GRIP domain – a novel Golgi-targeting domain found in several coiled-coil proteins. <i>Current Biology</i> , 1999, 9, 377-380.	1.8	176
79	GM food debate. <i>Lancet</i> , The, 1999, 354, 1727-1728.	6.3	8
80	The function of oxysterol binding protein homologues in budding yeast. <i>Biochemical Society Transactions</i> , 1999, 27, A100-A100.	1.6	0
81	Multi-protein complexes in the cis Golgi of <i>Saccharomyces cerevisiae</i> with alpha-1,6-mannosyltransferase activity. <i>EMBO Journal</i> , 1998, 17, 423-434.	3.5	198
82	The pleckstrin homology domain of oxysterol-binding protein recognises a determinant specific to Golgi membranes. <i>Current Biology</i> , 1998, 8, 729-739.	1.8	227
83	Localization of proteins to the Golgi apparatus. <i>Trends in Cell Biology</i> , 1998, 8, 11-15.	3.6	248
84	A Common Motif of Eukaryotic Glycosyltransferases Is Essential for the Enzyme Activity of Large Clostridial Cytotoxins. <i>Journal of Biological Chemistry</i> , 1998, 273, 19566-19572.	1.6	213
85	Identification of the MNN2 and MNN5 Mannosyltransferases Required for Forming and Extending the Mannose Branches of the Outer Chain Mannans of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 26836-26843.	1.6	107
86	Activity of the yeast MNN1 – 1,3-mannosyltransferase requires a motif conserved in many other families of glycosyltransferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7945-7950.	3.3	352
87	Proteins, Sorted. The Secretory Pathway from the Endoplasmic Reticulum to the Golgi, and Beyond. , 1997, , 163-174.		0
88	Intra-Golgi Transport Inhibition by Megalomicin. <i>Journal of Biological Chemistry</i> , 1996, 271, 3719-3726.	1.6	34
89	A comparison of the transmembrane domains of Golgi and plasma membrane proteins. <i>Biochemical Society Transactions</i> , 1995, 23, 527-530.	1.6	68
90	An investigation of the role of transmembrane domains in Golgi protein retention.. <i>EMBO Journal</i> , 1995, 14, 4695-4704.	3.5	368

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91	Molecular characterization of a peripheral receptor for cannabinoids. <i>Nature</i> , 1993, 365, 61-65.	13.7	4,425
92	Cholesterol and the Golgi apparatus. <i>Science</i> , 1993, 261, 1280-1281.	6.0	827
93	Sorting of membrane proteins in the secretory pathway. <i>Cell</i> , 1993, 75, 603-605.	13.5	180
94	Signal transduction meets the secretory pathway. <i>Current Biology</i> , 1992, 2, 633-635.	1.8	4
95	Sequences within and adjacent to the transmembrane segment of alpha-2,6-sialyltransferase specify Golgi retention.. <i>EMBO Journal</i> , 1991, 10, 3577-3588.	3.5	289
96	Signal recognition revisited. <i>Nature</i> , 1991, 354, 437-438.	13.7	3
97	Expression cloning of the murine interferon gamma receptor cDNA.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 9248-9252.	3.3	85
98	A C-terminal signal prevents secretion of luminal ER proteins. <i>Cell</i> , 1987, 48, 899-907.	13.5	2,176
99	An hsp70-like protein in the ER: Identity with the 78 kd glucose-regulated protein and immunoglobulin heavy chain binding protein. <i>Cell</i> , 1986, 46, 291-300.	13.5	1,500
100	Sexist ads. <i>Nature</i> , 1986, 321, 106-106.	13.7	1
101	Molecular genetics: What turns on heat shock genes?. <i>Nature</i> , 1985, 317, 477-478.	13.7	178