

Sean Munro

List of Publications by Year in descending order

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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	Molecular characterization of a peripheral receptor for cannabinoids. <i>Nature</i> , 1993, 365, 61-65.	13.7	4,425
2	A C-terminal signal prevents secretion of luminal ER proteins. <i>Cell</i> , 1987, 48, 899-907.	13.5	2,176
3	Global Mapping of the Yeast Genetic Interaction Network. <i>Science</i> , 2004, 303, 808-813.	6.0	1,908
4	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
5	Lipid Rafts. <i>Cell</i> , 2003, 115, 377-388.	13.5	1,422
6	Cholesterol and the Golgi apparatus. <i>Science</i> , 1993, 261, 1280-1281.	6.0	827
7	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
8	A Comprehensive Comparison of Transmembrane Domains Reveals Organelle-Specific Properties. <i>Cell</i> , 2010, 142, 158-169.	13.5	477
9	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
10	Organelle identity and the signposts for membrane traffic. <i>Nature</i> , 2005, 438, 597-604.	13.7	439
11	Vesicle tethering complexes in membrane traffic. <i>Journal of Cell Science</i> , 2002, 115, 2627-2637.	1.2	379
12	An investigation of the role of transmembrane domains in Golgi protein retention.. <i>EMBO Journal</i> , 1995, 14, 4695-4704.	3.5	368
13	Activity of the yeast MNN1 \hat{A} -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
14	Vesicle tethering complexes in membrane traffic. <i>Journal of Cell Science</i> , 2002, 115, 2627-37.	1.2	330
15	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
16	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
17	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
18	Arl8 and SKIP Act Together to Link Lysosomes to Kinesin-1. <i>Developmental Cell</i> , 2011, 21, 1171-1178.	3.1	257

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19	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
20	Localization of proteins to the Golgi apparatus. <i>Trends in Cell Biology</i> , 1998, 8, 11-15.	3.6	248
21	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
22	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
23	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
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	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
26	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
27	Toward a Comprehensive Map of the Effectors of Rab GTPases. <i>Developmental Cell</i> , 2014, 31, 358-373.	3.1	224
28	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
29	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
30	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
31	Long coiled-coil proteins and membrane traffic. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003, 1641, 71-85.	1.9	188
32	The Golgin Coiled-Coil Proteins of the Golgi Apparatus. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005256-a005256.	2.3	183
33	Sorting of membrane proteins in the secretory pathway. <i>Cell</i> , 1993, 75, 603-605.	13.5	180
34	Molecular genetics: What turns on heat shock genes?. <i>Nature</i> , 1985, 317, 477-478.	13.7	178
35	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
36	The GRIP domain is a novel Golgi-targeting domain found in several coiled-coil proteins. <i>Current Biology</i> , 1999, 9, 377-380.	1.8	176

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37	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
38	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
39	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
40	Untangling the evolution of Rab G proteins: implications of a comprehensive genomic analysis. <i>BMC Biology</i> , 2012, 10, 71.	1.7	159
41	Putative Glycosyltransferases and Other Plant Golgi Apparatus Proteins Are Revealed by LOPIT Proteomics. <i>Plant Physiology</i> , 2012, 160, 1037-1051.	2.3	149
42	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
43	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
44	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
45	Finding the Golgi: Golgin Coiled-Coil Proteins Show the Way. <i>Trends in Cell Biology</i> , 2016, 26, 399-408.	3.6	125
46	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
47	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
48	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
49	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
50	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
51	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
52	β-Tubulin controls neuronal microtubule polarity independently of Golgi outposts. <i>Molecular Biology of the Cell</i> , 2014, 25, 2039-2050.	0.9	96
53	What can yeast tell us about N-linked glycosylation in the Golgi apparatus?. <i>FEBS Letters</i> , 2001, 498, 223-227.	1.3	94
54	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

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55	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
56	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
57	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
58	Organelle identity and the organization of membrane traffic. <i>Nature Cell Biology</i> , 2004, 6, 469-472.	4.6	78
59	Selective Export of HLA-F by Its Cytoplasmic Tail. <i>Journal of Immunology</i> , 2006, 176, 6464-6472.	0.4	72
60	A comparison of the transmembrane domains of Golgi and plasma membrane proteins. <i>Biochemical Society Transactions</i> , 1995, 23, 527-530.	1.6	68
61	In vivo identification of GTPase interactors by mitochondrial relocation and proximity biotinylation. <i>ELife</i> , 2019, 8, .	2.8	67
62	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
63	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
64	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
65	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
66	Organelle identity and the targeting of peripheral membrane proteins. <i>Current Opinion in Cell Biology</i> , 2002, 14, 506-514.	2.6	60
67	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
68	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
69	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
70	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
71	Structural basis for VPS34 kinase activation by Rab1 and Rab5 on membranes. <i>Nature Communications</i> , 2021, 12, 1564.	5.8	50
72	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

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73	The Arf-like GTPase Arl1 and its role in membrane traffic. <i>Biochemical Society Transactions</i> , 2005, 33, 601-605.	1.6	47
74	Spatial proteomics defines the content of trafficking vesicles captured by golgin tethers. <i>Nature Communications</i> , 2020, 11, 5987.	5.8	45
75	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
76	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
77	Intra-Golgi Transport Inhibition by Megalomicin. <i>Journal of Biological Chemistry</i> , 1996, 271, 3719-3726.	1.6	34
78	Transport carrier tethering – how vesicles are captured by organelles. <i>Current Opinion in Cell Biology</i> , 2019, 59, 140-146.	2.6	34
79	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
80	Transbilayer Movement of Sphingomyelin Precedes Catastrophic Breakage of Enterobacteria-Containing Vacuoles. <i>Current Biology</i> , 2020, 30, 2974-2983.e6.	1.8	33
81	The Golgi apparatus: defining the identity of Golgi membranes. <i>Current Opinion in Cell Biology</i> , 2005, 17, 395-401.	2.6	31
82	Golgins. <i>Current Biology</i> , 2018, 28, R374-R376.	1.8	31
83	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
84	Earthworms and lipid couriers. <i>Nature</i> , 2003, 426, 775-776.	13.7	28
85	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
86	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
87	Cryo-EM structure of metazoan TRAPPIII, the multi-subunit complex that activates the GTPase Rab1. <i>EMBO Journal</i> , 2021, 40, e107608.	3.5	26
88	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
89	More than one way to replicate the Golgi apparatus. <i>Nature Cell Biology</i> , 2002, 4, E223-E224.	4.6	20
90	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

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91	Toolbox: Creating a systematic database of secretory pathway proteins uncovers new cargo for COPI. <i>Traffic</i> , 2018, 19, 370-379.	1.3	15
92	Q&A: What is the Golgi apparatus, and why are we asking?. <i>BMC Biology</i> , 2011, 9, 63.	1.7	12
93	GM food debate. <i>Lancet</i> , The, 1999, 354, 1727-1728.	6.3	8
94	Open questions: What is there left for cell biologists to do?. <i>BMC Biology</i> , 2013, 11, 16.	1.7	6
95	Signal transduction meets the secretory pathway. <i>Current Biology</i> , 1992, 2, 633-635.	1.8	4
96	Signal recognition revisited. <i>Nature</i> , 1991, 354, 437-438.	13.7	3
97	Sexist ads. <i>Nature</i> , 1986, 321, 106-106.	13.7	1
98	The function of oxysterol binding protein homologues in budding yeast. <i>Biochemical Society Transactions</i> , 1999, 27, A100-A100.	1.6	0
99	Sean Munro: Revealing the Golgi's true identity. <i>Journal of Cell Biology</i> , 2011, 192, 4-5.	2.3	0
100	Proteins, Sorted. The Secretory Pathway from the Endoplasmic Reticulum to the Golgi, and Beyond. , 1997, , 163-174.		0
101	20 years of Developmental Cell: Looking back. <i>Developmental Cell</i> , 2021, 56, 3181-3184.	3.1	0