

Rohan D Teasdale

List of Publications by Year in descending order

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118
papers

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citations

31976

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times ranked

22347
citing authors

#	ARTICLE	IF	CITATIONS
1	An inverted CAV1 (caveolin 1) topology defines novel autophagy-dependent exosome secretion from prostate cancer cells. <i>Autophagy</i> , 2021, 17, 2200-2216.	9.1	21
2	Formation of retromer transport carriers is disrupted by the Parkinson disease-linked Vps35 <sc>D620N</sc> variant. <i>Traffic</i> , 2021, 22, 123-136.	2.7	21
3	Retromer dependent changes in cellular homeostasis and Parkinson's disease. <i>Essays in Biochemistry</i> , 2021, , .	4.7	3
4	De novo macrocyclic peptides for inhibiting, stabilizing, and probing the function of the retromer endosomal trafficking complex. <i>Science Advances</i> , 2021, 7, eabg4007.	10.3	11
5	Classification of the human phox homology (PX) domains based on their phosphoinositide binding specificities. <i>Nature Communications</i> , 2019, 10, 1528.	12.8	101
6	A role of GCC88 in the retrograde transport of Cl ⁻ M6PR and the maintenance of lysosomal activity. <i>Cell Biology International</i> , 2019, 43, 1234-1244.	3.0	1
7	Downregulation of SNX27 expression does not exacerbate amyloidogenesis in the APP/PS1 Alzheimer's disease mouse model. <i>Neurobiology of Aging</i> , 2019, 77, 144-153.	3.1	5
8	Retromer has a selective function in cargo sorting via endosome transport carriers. <i>Journal of Cell Biology</i> , 2019, 218, 615-631.	5.2	118
9	Subcellular Fractionation of HeLa Cells for Lysosome Enrichment Using a Continuous Percoll-density Gradient. <i>Bio-protocol</i> , 2019, 9, e3362.	0.4	10
10	Sorting nexin 27 (SNX27) regulates the trafficking and activity of the glutamine transporter ASCT2. <i>Journal of Biological Chemistry</i> , 2018, 293, 6802-6811.	3.4	31
11	The functional roles of retromer in Parkinson's disease. <i>FEBS Letters</i> , 2018, 592, 1096-1112.	2.8	23
12	Structure of the membrane-assembled retromer coat determined by cryo-electron tomography. <i>Nature</i> , 2018, 561, 561-564.	27.8	169
13	<i>Salmonella</i> effector SopD2 interferes with Rab34 function. <i>Cell Biology International</i> , 2017, 41, 433-446.	3.0	10
14	Laser-mediated rupture of chlamydial inclusions triggers pathogen egress and host cell necrosis. <i>Nature Communications</i> , 2017, 8, 14729.	12.8	17
15	SNX27 links DGK η to the control of transcriptional and metabolic programs in T lymphocytes. <i>Scientific Reports</i> , 2017, 7, 16361.	3.3	21
16	SopB-Mediated Recruitment of SNX18 Facilitates Salmonella Typhimurium Internalization by the Host Cell. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 257.	3.9	26
17	Retromer's Role in Endosomal Trafficking and Impaired Function in Neurodegenerative Diseases. <i>Current Protein and Peptide Science</i> , 2017, 18, 687-701.	1.4	18
18	Structural basis for the hijacking of endosomal sorting nexin proteins by Chlamydia trachomatis. <i>ELife</i> , 2017, 6, .	6.0	55

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19	MTMR4 Is Required for the Stability of the Salmonella-Containing Vacuole. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 91.	3.9	9
20	Parkinson Disease-linked Vps35 R524W Mutation Impairs the Endosomal Association of Retromer and Induces I α -Synuclein Aggregation. <i>Journal of Biological Chemistry</i> , 2016, 291, 18283-18298.	3.4	68
21	Sortilin is associated with the chlamydial inclusion and is modulated during infection. <i>Biology Open</i> , 2016, 5, 429-435.	1.2	4
22	A molecular code for endosomal recycling of phosphorylated cargos by the SNX27-retromer complex. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 921-932.	8.2	131
23	Sorting nexin 27 couples PTHR trafficking to retromer for signal regulation in osteoblasts during bone growth. <i>Molecular Biology of the Cell</i> , 2016, 27, 1367-1382.	2.1	48
24	Functional characterization of retromer in GLUT4 storage vesicle formation and adipocyte differentiation. <i>FASEB Journal</i> , 2016, 30, 1037-1050.	0.5	27
25	Phosphoinositide binding by the SNX27 FERM domain regulates localisation at the immune synapse of activated T-cells. <i>Journal of Cell Science</i> , 2015, 128, 553-65.	2.0	28
26	Vps26-retromer negatively regulates plasma membrane resensitization of PAR2. <i>Cell Biology International</i> , 2015, 39, 1299-1306.	3.0	7
27	Structure and Membrane Binding Properties of the Endosomal Tetratricopeptide Repeat (TPR) Domain-containing Sorting Nexins SNX20 and SNX21. <i>Journal of Biological Chemistry</i> , 2015, 290, 14504-14517.	3.4	18
28	Modular Detection of GFP-Labeled Proteins for Rapid Screening by Electron Microscopy in Cells and Organisms. <i>Developmental Cell</i> , 2015, 35, 513-525.	7.0	119
29	Soluble NSF attachment protein receptor molecular mimicry by a Legionella pneumophila...Dot/Icm effector. <i>Cellular Microbiology</i> , 2015, 17, 767-784.	2.1	23
30	SseK3 Is a Salmonella Effector That Binds TRIM32 and Modulates the Host's NF- κ B Signalling Activity. <i>PLoS ONE</i> , 2015, 10, e0138529.	2.5	38
31	Structural Basis for Different Phosphoinositide Specificities of the PX Domains of Sorting Nexins Regulating G-protein Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 28554-28568.	3.4	43
32	Little evidence that FAM65B belongs to the family of phox homology (PX) and bin/amphiphysin/rvs (BAR) domain-containing proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4064-E4064.	7.1	9
33	The Vps35 D620N Mutation Linked to Parkinson's Disease Disrupts the Cargo Sorting Function of Retromer. <i>Traffic</i> , 2014, 15, 230-244.	2.7	186
34	A unique PDZ domain and arrestin-like fold interaction reveals mechanistic details of endocytic recycling by SNX27-retromer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3604-13.	7.1	151
35	Live imaging of endosome dynamics. <i>Seminars in Cell and Developmental Biology</i> , 2014, 31, 11-19.	5.0	19
36	Introduction to special issue on endosome dynamics. <i>Seminars in Cell and Developmental Biology</i> , 2014, 31, 1.	5.0	0

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37	Macropinosome quantitation assay. <i>MethodsX</i> , 2014, 1, 36-41.	1.6	45
38	The Globally Disseminated MIT1 Clone of Group A Streptococcus Evades Autophagy for Intracellular Replication. <i>Cell Host and Microbe</i> , 2013, 14, 675-682.	11.0	134
39	Structural basis for endosomal trafficking of diverse transmembrane cargos by PX-FERM proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E643-52.	7.1	112
40	A WAVE2- β -Arp2/3 actin nucleator apparatus supports junctional tension at the epithelial zonula adherens. <i>Molecular Biology of the Cell</i> , 2012, 23, 4601-4610.	2.1	129
41	SNX5 is essential for efficient macropinocytosis and antigen processing in primary macrophages. <i>Biology Open</i> , 2012, 1, 904-914.	1.2	30
42	Insights into the PX (phox-homology) domain and SNX (sorting nexin) protein families: structures, functions and roles in disease. <i>Biochemical Journal</i> , 2012, 441, 39-59.	3.7	244
43	A Bioinformatic Strategy for the Detection, Classification and Analysis of Bacterial Autotransporters. <i>PLoS ONE</i> , 2012, 7, e43245.	2.5	65
44	A Novel Type III Endosome Transmembrane Protein, TEMP. <i>Cells</i> , 2012, 1, 1029-1044.	4.1	1
45	Assembly and Solution Structure of the Core Retromer Protein Complex. <i>Traffic</i> , 2011, 12, 56-71.	2.7	76
46	Vps26A and Vps26B Subunits Define Distinct Retromer Complexes. <i>Traffic</i> , 2011, 12, 1759-1773.	2.7	83
47	Phox homology band 4.1/ezrin/radixin/moesin-like proteins function as molecular scaffolds that interact with cargo receptors and Ras GTPases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7763-7768.	7.1	99
48	Inhibition of the PtdIns(5) kinase PIKfyve disrupts intracellular replication of Salmonella. <i>EMBO Journal</i> , 2010, 29, 1331-1347.	7.8	95
49	Phosphoinositide 3-kinase β regulates membrane fission of Golgi carriers for selective cytokine secretion. <i>Journal of Cell Biology</i> , 2010, 190, 1053-1065.	5.2	60
50	Redirection of renal mesenchyme to stromal and chondrocytic fates in the presence of TGF- β 2. <i>Differentiation</i> , 2010, 79, 272-284.	1.9	6
51	An Atlas of Combinatorial Transcriptional Regulation in Mouse and Man. <i>Cell</i> , 2010, 140, 744-752.	28.9	667
52	The SNX-PX-BAR Family in Macropinocytosis: The Regulation of Macropinosome Formation by SNX-PX-BAR Proteins. <i>PLoS ONE</i> , 2010, 5, e13763.	2.5	56
53	Statistical and visual differentiation of subcellular imaging. <i>BMC Bioinformatics</i> , 2009, 10, 94.	2.6	23
54	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , 2009, 41, 553-562.	21.4	408

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55	Defining Macropinocytosis. <i>Traffic</i> , 2009, 10, 364-371.	2.7	585
56	A role for SNX5 in the regulation of macropinocytosis. <i>BMC Cell Biology</i> , 2008, 9, 58.	3.0	49
57	An integrated genetic and functional analysis of the role of type II transmembrane serine proteases (TMPRSSs) in hearing loss. <i>Human Mutation</i> , 2008, 29, 130-141.	2.5	70
58	Structure of Vps26B and Mapping of its Interaction with the Retromer Protein Complex. <i>Traffic</i> , 2008, 9, 366-379.	2.7	104
59	Visualizing and clustering high throughput sub-cellular localization imaging. <i>BMC Bioinformatics</i> , 2008, 9, 81.	2.6	15
60	Towards defining the nuclear proteome. <i>Genome Biology</i> , 2008, 9, R15.	9.6	29
61	Determining Nucleolar Association from Sequence by Leveraging Protein-Protein Interactions. <i>Journal of Computational Biology</i> , 2008, 15, 291-304.	1.6	5
62	EGF induces macropinocytosis and SNX1-modulated recycling of E-cadherin. <i>Journal of Cell Science</i> , 2007, 120, 1818-1828.	2.0	174
63	The Golgin GCC88 Is Required for Efficient Retrograde Transport of Cargo from the Early Endosomes to the Trans-Golgi Network. <i>Molecular Biology of the Cell</i> , 2007, 18, 4979-4991.	2.1	82
64	LOCATE: a mammalian protein subcellular localization database. <i>Nucleic Acids Research</i> , 2007, 36, D230-D233.	14.5	124
65	Analyzing Real-time Video Microscopy: The Dynamics and Geometry of Vesicles and Tubules in Endocytosis. <i>Current Protocols in Cell Biology</i> , 2007, 35, Unit 4.16.	2.3	7
66	Identifying novel peroxisomal proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 69, 606-616.	2.6	22
67	Fast automated cell phenotype image classification. <i>BMC Bioinformatics</i> , 2007, 8, 110.	2.6	137
68	Predicting the Solvent Accessibility of Transmembrane Residues from Protein Sequence. <i>Journal of Proteome Research</i> , 2006, 5, 1063-1070.	3.7	51
69	Identification and analysis of novel genes expressed in the mouse embryonic facial primordia. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 2631.	3.0	8
70	Subcellular Localization of Mammalian Type II Membrane Proteins. <i>Traffic</i> , 2006, 7, 613-625.	2.7	19
71	Differential gene expression in the developing mouse ureter. <i>Gene Expression Patterns</i> , 2006, 6, 519-538.	0.8	10
72	Spatial gene expression in the T-stage mouse metanephros. <i>Gene Expression Patterns</i> , 2006, 6, 807-825.	0.8	37

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73	PhosphoregDB: the tissue and sub-cellular distribution of mammalian protein kinases and phosphatases. BMC Bioinformatics, 2006, 7, 82.	2.6	18
74	Evaluation and comparison of mammalian subcellular localization prediction methods. BMC Bioinformatics, 2006, 7, S3.	2.6	52
75	Definition and spatial annotation of the dynamic secretome during early kidney development. Developmental Dynamics, 2006, 235, 1709-1719.	1.8	10
76	LOCATE: a mouse protein subcellular localization database. Nucleic Acids Research, 2006, 34, D213-D217.	14.5	72
77	Differential Use of Signal Peptides and Membrane Domains Is a Common Occurrence in the Protein Output of Transcriptional Units. PLoS Genetics, 2006, 2, e46.	3.5	34
78	Transcript Annotation in FANTOM3: Mouse Gene Catalog Based on Physical cDNAs. PLoS Genetics, 2006, 2, e62.	3.5	165
79	Visualisation of macropinosome maturation by the recruitment of sorting nexins. Journal of Cell Science, 2006, 119, 3967-3980.	2.0	125
80	MemO: a consensus approach to the annotation of a protein's membrane organization. In Silico Biology, 2006, 6, 387-99.	0.9	12
81	Expression and localization of proteins in mammalian cells. , 2005, , .		0
82	A Novel Hook-Related Protein Family and the Characterization of Hook-Related Protein 1. Traffic, 2005, 6, 442-458.	2.7	67
83	A Novel Mammalian Retromer Component, Vps26B. Traffic, 2005, 6, 991-1001.	2.7	76
84	Prediction of protein B-factor profiles. Proteins: Structure, Function and Bioinformatics, 2005, 58, 905-912.	2.6	200
85	Polarized trafficking of E-cadherin is regulated by Rac1 and Cdc42 in Madin-Darby canine kidney cells. American Journal of Physiology - Cell Physiology, 2005, 288, C1411-C1419.	4.6	41
86	In Vivo Analysis of Growth Hormone Receptor Signaling Domains and Their Associated Transcripts. Molecular and Cellular Biology, 2005, 25, 66-77.	2.3	137
87	The Transcriptional Landscape of the Mammalian Genome. Science, 2005, 309, 1559-1563.	12.6	3,227
88	Identifying the Molecular Phenotype of Renal Progenitor Cells. Journal of the American Society of Nephrology: JASN, 2004, 15, 2344-2357.	6.1	126
89	Sorting nexin 5 is localized to a subdomain of the early endosomes and is recruited to the plasma membrane following EGF stimulation. Journal of Cell Science, 2004, 117, 6413-6424.	2.0	64
90	Expression of the tudor-related gene Tdrd5 during development of the male germline in mice. Gene Expression Patterns, 2004, 4, 701-705.	0.8	34

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91	Identification of a Golgi-localised GRIP domain protein from Arabidopsis thaliana. <i>Planta</i> , 2004, 219, 1050-1056.	3.2	36
92	SVMtm: Support vector machines to predict transmembrane segments. <i>Journal of Computational Chemistry</i> , 2004, 25, 632-636.	3.3	87
93	Intracellular sorting and transport of proteins. <i>Progress in Biophysics and Molecular Biology</i> , 2003, 83, 1-45.	2.9	111
94	Genomic screen for genes involved in mammalian craniofacial development. <i>Genesis</i> , 2003, 35, 73-87.	1.6	47
95	Computational differentiation of N-terminal signal peptides and transmembrane helices. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 1278-1283.	2.1	26
96	Identification and Analysis of Chromodomain-Containing Proteins Encoded in the Mouse Transcriptome. <i>Genome Research</i> , 2003, 13, 1416-1429.	5.5	50
97	Mouse Proteome Analysis. <i>Genome Research</i> , 2003, 13, 1335-1344.	5.5	91
98	<i>Dppa3</i> is a marker of pluripotency and has a human homologue that is expressed in germ cell tumours. <i>Cytogenetic and Genome Research</i> , 2003, 101, 261-265.	1.1	55
99	Analysis of the Mouse Transcriptome for Genes Involved in the Function of the Nervous System. <i>Genome Research</i> , 2003, 13, 1395-1401.	5.5	30
100	Contextual Binding of p120 to E-cadherin at the Basolateral Plasma Membrane in Polarized Epithelia. <i>Journal of Biological Chemistry</i> , 2003, 278, 43480-43488.	3.4	52
101	The Mouse Secretome: Functional Classification of the Proteins Secreted Into the Extracellular Environment. <i>Genome Research</i> , 2003, 13, 1350-1359.	5.5	73
102	Prediction of Golgi Type II membrane proteins based on their transmembrane domains. <i>Bioinformatics</i> , 2002, 18, 1109-1115.	4.1	52
103	The Phox Homology (PX) Domain-dependent, 3-Phosphoinositide-mediated Association of Sorting Nexin-1 with an Early Sorting Endosomal Compartment Is Required for Its Ability to Regulate Epidermal Growth Factor Receptor Degradation. <i>Journal of Biological Chemistry</i> , 2002, 277, 48730-48736.	3.4	157
104	Secretory Pathway of Trypanosomatid Parasites. <i>Microbiology and Molecular Biology Reviews</i> , 2002, 66, 122-154.	6.6	207
105	Twenty Pairs of Sox. <i>Developmental Cell</i> , 2002, 3, 167-170.	7.0	472
106	Genes induced by growth hormone in a model of adipogenic differentiation. <i>Molecular and Cellular Endocrinology</i> , 2002, 189, 213-219.	3.2	18
107	Targeting of the GRIP domain to the trans-Golgi network is conserved from protists to animals. <i>European Journal of Cell Biology</i> , 2002, 81, 485-495.	3.6	45
108	Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs. <i>Nature</i> , 2002, 420, 563-573.	27.8	1,548

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109	Human pigmentation genes: identification, structure and consequences of polymorphic variation. <i>Gene</i> , 2001, 277, 49-62.	2.2	330
110	A large family of endosome-localized proteins related to sorting nexin 1. <i>Biochemical Journal</i> , 2001, 358, 7.	3.7	104
111	A large family of endosome-localized proteins related to sorting nexin 1. <i>Biochemical Journal</i> , 2001, 358, 7-16.	3.7	145
112	A Dileucine Motif Targets E-cadherin to the Basolateral Cell Surface in Madin-Darby Canine Kidney and LLC-PK1 Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 22565-22572.	3.4	155
113	A novel Golgi-localisation domain shared by a class of coiled-coil peripheral membrane proteins. <i>Current Biology</i> , 1999, 9, 385-390.	3.9	139
114	Oligomeric Complexes Link Rab5 Effectors with NSF and Drive Membrane Fusion via Interactions between EEA1 and Syntaxin 13. <i>Cell</i> , 1999, 98, 377-386.	28.9	460
115	SIGNAL-MEDIATED SORTING OF MEMBRANE PROTEINS BETWEEN THE ENDOPLASMIC RETICULUM AND THE GOLGI APPARATUS. <i>Annual Review of Cell and Developmental Biology</i> , 1996, 12, 27-54.	9.4	478
116	Post-translational modifications distinguish cell surface from Golgi-retained β 1,4 galactosyltransferase molecules. Golgi localization involves active retention. <i>Glycobiology</i> , 1994, 4, 917-928.	2.5	51
117	Targeting of proteins to the Golgi apparatus. <i>Glycoconjugate Journal</i> , 1994, 11, 381-394.	2.7	50
118	Linear models for endocytic transformations from live cell imaging. <i>ANZIAM Journal</i> , 0, 51, 156.	0.0	1