

David J Stephens

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/142151/publications.pdf>

Version: 2024-02-01

83
papers

6,449
citations

87888

38
h-index

66911

78
g-index

227
all docs

227
docs citations

227
times ranked

8500
citing authors

#	ARTICLE	IF	CITATIONS
1	Light Microscopy Techniques for Live Cell Imaging. <i>Science</i> , 2003, 300, 82-86.	12.6	1,127
2	The role of cholesterol in the biosynthesis of β -amyloid. <i>NeuroReport</i> , 1999, 10, 1699-1705.	1.2	341
3	Intracellular trafficking pathways and drug delivery: fluorescence imaging of living and fixed cells. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 43-61.	13.7	255
4	The Retromer Coat Complex Coordinates Endosomal Sorting and Dynein-Mediated Transport, with Carrier Recognition by the trans-Golgi Network. <i>Developmental Cell</i> , 2009, 17, 110-122.	7.0	252
5	SNX4 coordinates endosomal sorting of Tf α R with dynein-mediated transport into the endocytic recycling compartment. <i>Nature Cell Biology</i> , 2007, 9, 1370-1380.	10.3	233
6	Role of Adaptor Complex AP-3 in Targeting Wild-Type and Mutated CD63 to Lysosomes. <i>Molecular Biology of the Cell</i> , 2002, 13, 1071-1082.	2.1	221
7	Sec16 Defines Endoplasmic Reticulum Exit Sites and is Required for Secretory Cargo Export in Mammalian Cells. <i>Traffic</i> , 2006, 7, 1678-1687.	2.7	193
8	Analysis of GTPase-activating proteins: Rab1 and Rab43 are key Rabs required to maintain a functional Golgi complex in human cells. <i>Journal of Cell Science</i> , 2007, 120, 2997-3010.	2.0	178
9	Efficient coupling of Sec23-Sec24 to Sec13-Sec31 drives COPII-dependent collagen secretion and is essential for normal craniofacial development. <i>Journal of Cell Science</i> , 2008, 121, 3025-3034.	2.0	158
10	Coupling of ER exit to microtubules through direct interaction of COPII with dynactin. <i>Nature Cell Biology</i> , 2005, 7, 48-55.	10.3	155
11	Phosphatidylinositol 4-kinase is required for endosomal trafficking and degradation of the EGF receptor. <i>Journal of Cell Science</i> , 2006, 119, 571-581.	2.0	139
12	Organisation of human ER-exit sites: requirements for the localisation of Sec16 to transitional ER. <i>Journal of Cell Science</i> , 2009, 122, 2924-2934.	2.0	139
13	ER exit sites – Localization and control of COPII vesicle formation. <i>FEBS Letters</i> , 2009, 583, 3796-3803.	2.8	139
14	A role for glycogen synthase kinase-3 in mitotic spindle dynamics and chromosome alignment. <i>Journal of Cell Science</i> , 2003, 116, 637-646.	2.0	136
15	Secretory Cargo Regulates the Turnover of COPII Subunits at Single ER Exit Sites. <i>Current Biology</i> , 2006, 16, 173-179.	3.9	126
16	De novo formation, fusion and fission of mammalian COPII-coated endoplasmic reticulum exit sites. <i>EMBO Reports</i> , 2003, 4, 210-217.	4.5	113
17	Specificity of Cytoplasmic Dynein Subunits in Discrete Membrane-trafficking Steps. <i>Molecular Biology of the Cell</i> , 2009, 20, 2885-2899.	2.1	111
18	Assembly, organization, and function of the COPII coat. <i>Histochemistry and Cell Biology</i> , 2008, 129, 129-151.	1.7	107

#	ARTICLE	IF	CITATIONS
19	Imaging of procollagen transport reveals COPI-dependent cargo sorting during ER-to-Golgi transport in mammalian cells. <i>Journal of Cell Science</i> , 2002, 115, 1149-1160.	2.0	106
20	Microtubule plus-end loading of p150Glued is mediated by EB1 and CLIP-170 but is not required for intracellular membrane traffic in mammalian cells. <i>Journal of Cell Science</i> , 2006, 119, 2758-2767.	2.0	100
21	Bap31 Is an Itinerant Protein That Moves between the Peripheral Endoplasmic Reticulum (ER) and a Juxtannuclear Compartment Related to ER-associated Degradation. <i>Molecular Biology of the Cell</i> , 2008, 19, 1825-1836.	2.1	99
22	Imaging of procollagen transport reveals COPI-dependent cargo sorting during ER-to-Golgi transport in mammalian cells. <i>Journal of Cell Science</i> , 2002, 115, 1149-60.	2.0	93
23	PCTAIRE protein kinases interact directly with the COPII complex and modulate secretory cargo transport. <i>Journal of Cell Science</i> , 2005, 118, 3839-3847.	2.0	84
24	ER-to-Golgi trafficking of procollagen in the absence of large carriers. <i>Journal of Cell Biology</i> , 2019, 218, 929-948.	5.2	84
25	ER-to-Golgi transport: Form and formation of vesicular and tubular carriers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1744, 304-315.	4.1	80
26	Subunit composition of the human cytoplasmic dynein-2 complex. <i>Journal of Cell Science</i> , 2014, 127, 4774-87.	2.0	77
27	The intracellular transport of chylomicrons requires the small GTPase, Sar1b. <i>Current Opinion in Lipidology</i> , 2004, 15, 191-197.	2.7	65
28	Giantin knockout models reveal a feedback loop between Golgi function and glycosyltransferase expression. <i>Journal of Cell Science</i> , 2017, 130, 4132-4143.	2.0	60
29	Specificity of interaction between adaptor-complex medium chains and the tyrosine-based sorting motifs of TGN38 and Igp120. <i>Biochemical Journal</i> , 1998, 335, 567-572.	3.7	57
30	TFG Promotes Organization of Transitional ER and Efficient Collagen Secretion. <i>Cell Reports</i> , 2016, 15, 1648-1659.	6.4	55
31	ER-to-Golgi Transport: A Sizeable Problem. <i>Trends in Cell Biology</i> , 2019, 29, 940-953.	7.9	51
32	The secretion inhibitor Exo2 perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network. <i>Biochemical Journal</i> , 2008, 414, 471-484.	3.7	50
33	Kinesin-1 (uKHC/KIF5B) is Required for Bidirectional Motility of ER Exit Sites and Efficient ER-to-Golgi Transport. <i>Traffic</i> , 2008, 9, 1850-1866.	2.7	49
34	Microtubule motors mediate endosomal sorting by maintaining functional domain organization. <i>Journal of Cell Science</i> , 2013, 126, 2493-501.	2.0	49
35	COPII-dependent ER export in animal cells: adaptation and control for diverse cargo. <i>Histochemistry and Cell Biology</i> , 2018, 150, 119-131.	1.7	48
36	Specific Functions of BIG1 and BIG2 in Endomembrane Organization. <i>PLoS ONE</i> , 2010, 5, e9898.	2.5	47

#	ARTICLE	IF	CITATIONS
37	LG186: An Inhibitor of GBF1 Function that Causes Golgi Disassembly in Human and Canine Cells. <i>Traffic</i> , 2010, 11, 1537-1551.	2.7	45
38	Direct Interaction of the trans-Golgi Network Membrane Protein, TGN38, with the F-actin Binding Protein, Neurabin. <i>Journal of Biological Chemistry</i> , 1999, 274, 30080-30086.	3.4	43
39	Assembly, Secretory Pathway Trafficking, and Surface Delivery of Kainate Receptors Is Regulated by Neuronal Activity. <i>Cell Reports</i> , 2017, 19, 2613-2626.	6.4	43
40	A role for the Golgi matrix protein giantin in ciliogenesis through control of the localization of dynein-2. <i>Journal of Cell Science</i> , 2013, 126, 5189-97.	2.0	42
41	The Golgi matrix protein giantin is required for normal cilia function in zebrafish. <i>Biology Open</i> , 2017, 6, 1180-1189.	1.2	42
42	The Endoplasmic Reticulum Coat Protein II Transport Machinery Coordinates Cellular Lipid Secretion and Cholesterol Biosynthesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 4244-4261.	3.4	41
43	A role for Tctex-1 (DYNL1) in controlling primary cilium length. <i>European Journal of Cell Biology</i> , 2011, 90, 865-871.	3.6	38
44	Characteristic phenotypes associated with congenital dyserythropoietic anemia (type II) manifest at different stages of erythropoiesis. <i>Haematologica</i> , 2013, 98, 1788-1796.	3.5	38
45	Dynein-2 intermediate chains play crucial but distinct roles in primary cilia formation and function. <i>ELife</i> , 2018, 7, .	6.0	38
46	Serine 331 and Tyrosine 333 Are Both Involved in the Interaction between the Cytosolic Domain of TGN38 and the γ 2 Subunit of the AP2 Clathrin Adaptor Complex. <i>Journal of Biological Chemistry</i> , 1997, 272, 14104-14109.	3.4	37
47	The role of motor proteins in endosomal sorting. <i>Biochemical Society Transactions</i> , 2011, 39, 1179-1184.	3.4	37
48	Metabolites of the β -amyloid precursor protein generated by β -secretase localise to the trans-golgi network and late endosome in 293 cells. <i>Journal of Neuroscience Research</i> , 1996, 46, 211-225.	2.9	35
49	Regulator of calcineurin-2 is a centriolar protein with a role in cilia length control. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	33
50	Planar Cell Polarity Effector Proteins Inturned and Fuzzy Form a Rab23 GEF Complex. <i>Current Biology</i> , 2019, 29, 3323-3330.e8.	3.9	33
51	Differential effects of a GTP-restricted mutant of Sar1p on segregation of cargo during export from the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2004, 117, 3635-3644.	2.0	32
52	The role of microtubules in transport between the endoplasmic reticulum and Golgi apparatus in mammalian cells.. <i>Biochemical Society Symposia</i> , 2005, 72, 1-13.	2.7	30
53	Epithelial organization and cyst lumen expansion require efficient Sec13 β -Sec31-driven secretion. <i>Journal of Cell Science</i> , 2012, 125, 673-684.	2.0	29
54	A role for endoplasmic reticulum exit sites in foot-and-mouth disease virus infection. <i>Journal of General Virology</i> , 2013, 94, 2636-2646.	2.9	29

#	ARTICLE	IF	CITATIONS
55	The Use of Yeast Two-Hybrid Screens in Studies of Protein:Protein Interactions Involved in Trafficking. <i>Traffic</i> , 2000, 1, 763-768.	2.7	28
56	Coming out of the dark: the evolving role of fluorescence imaging in drug delivery research. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 5-15.	13.7	28
57	Functional coupling of microtubules to membranes – implications for membrane structure and dynamics. <i>Journal of Cell Science</i> , 2012, 125, 2795-804.	2.0	28
58	Collagen secretion explained. <i>Nature</i> , 2012, 482, 474-475.	27.8	27
59	Cytoplasmic dynein-2 at a glance. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	26
60	Sec16A defines the site for vesicle budding from the endoplasmic reticulum on exit from mitosis. <i>Journal of Cell Science</i> , 2010, 123, 4032-4038.	2.0	25
61	Biogenesis of ER-to-Golgi transport carriers: complex roles of COPII in ER export. <i>Trends in Cell Biology</i> , 2004, 14, 57-61.	7.9	23
62	Characterization of human Sec16B: indications of specialized, non-redundant functions. <i>Scientific Reports</i> , 2011, 1, 77.	3.3	23
63	Inhibition of the Interaction between Tyrosine-based Motifs and the Medium Chain Subunit of the AP-2 Adaptor Complex by Specific Tyrphostins. <i>Journal of Biological Chemistry</i> , 1998, 273, 28073-28077.	3.4	21
64	Early stages of retinal development depend on Sec13 function. <i>Biology Open</i> , 2013, 2, 256-266.	1.2	21
65	Opposing microtubule motors control motility, morphology and cargo segregation during ER-to-Golgi transport. <i>Biology Open</i> , 2014, 3, 307-313.	1.2	21
66	Nordihydroguaiaretic Acid Affects Multiple Dynein-Dynactin Functions in Interphase and Mitotic Cells. <i>Molecular Pharmacology</i> , 2007, 71, 454-460.	2.3	20
67	<i>P4HB</i> recurrent missense mutation causing Cole-Carpenter syndrome. <i>Journal of Medical Genetics</i> , 2018, 55, 158-165.	3.2	20
68	A general role for TANGO1, encoded by <i>MIA3</i> , in secretory pathway organization and function. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	15
69	Giantin is required for intracellular N-terminal processing of type I procollagen. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	13
70	Fine tuning Exo2, a small molecule inhibitor of secretion and retrograde trafficking pathways in mammalian cells. <i>Molecular BioSystems</i> , 2010, 6, 2030.	2.9	12
71	Supply chain logistics – the role of the Golgi complex in extracellular matrix production and maintenance. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	12
72	Cargo loading at the ER. <i>Molecular Membrane Biology</i> , 2010, 27, 398-411.	2.0	8

#	ARTICLE	IF	CITATIONS
73	Optimising the precision for localising fluorescent proteins in living cells by 2D Gaussian fitting of digital images: application to COPII-coated endoplasmic reticulum exit sites. <i>European Biophysics Journal</i> , 2008, 37, 1335-1349.	2.2	6
74	Vesicle coating and uncoating: controlling the formation of large COPII-coated carriers. <i>F1000 Biology Reports</i> , 2009, 1, 65.	4.0	5
75	In vivo dynamics of the F-actin-binding protein neurabin-II. <i>Biochemical Journal</i> , 2000, 345, 185.	3.7	4
76	RNA Interference Approaches to Examine Golgi Function in Animal Cell Culture. <i>Methods in Cell Biology</i> , 2013, 118, 15-34.	1.1	3
77	Insulin promotes Rip11 accumulation at the plasma membrane by inhibiting a dynamin- and PI3-kinase-dependent, but Akt-independent, internalisation event. <i>Cellular Signalling</i> , 2016, 28, 74-82.	3.6	3
78	Measuring the Induction or Inhibition of Apoptosis by HPV Proteins. , 2005, 119, 419-432.		2
79	Developing pathways to clarify pathogenicity of unclassified variants in Osteogenesis Imperfecta genetic analysis. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e912.	1.2	2
80	The biosynthesis of membrane proteins. <i>Biomembranes: A Multi-Volume Treatise</i> , 1995, 1, 107-135.	0.1	0
81	Immunofluorescent labeling and fluorescent dyes. , 2005, , .		0
82	Editorial. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 885.	5.0	0
83	Membrane contact sitesâ€”an interesting species, an interesting mix. <i>EMBO Reports</i> , 2013, 14, 396-397.	4.5	0