

David J Stephens

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

5,285
citations

35
h-index

72
g-index

227
ext. papers

6,052
ext. citations

6.9
avg, IF

5.77
L-index

#	Paper	IF	Citations
84	Light microscopy techniques for live cell imaging. <i>Science</i> , 2003 , 300, 82-6	33.3	913
83	The role of cholesterol in the biosynthesis of beta-amyloid. <i>NeuroReport</i> , 1999 , 10, 1699-705	1.7	313
82	Intracellular trafficking pathways and drug delivery: fluorescence imaging of living and fixed cells. <i>Advanced Drug Delivery Reviews</i> , 2005 , 57, 43-61	18.5	219
81	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, 110-22	10.2	214
80	SNX4 coordinates endosomal sorting of TfnR with dynein-mediated transport into the endocytic recycling compartment. <i>Nature Cell Biology</i> , 2007 , 9, 1370-80	23.4	206
79	Role of adaptor complex AP-3 in targeting wild-type and mutated CD63 to lysosomes. <i>Molecular Biology of the Cell</i> , 2002 , 13, 1071-82	3.5	194
78	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	5.3	158
77	Sec16 defines endoplasmic reticulum exit sites and is required for secretory cargo export in mammalian cells. <i>Traffic</i> , 2006 , 7, 1678-87	5.7	152
76	Coupling of ER exit to microtubules through direct interaction of COPII with dynactin. <i>Nature Cell Biology</i> , 2005 , 7, 48-55	23.4	136
75	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, 3025-34	5.3	132
74	A role for glycogen synthase kinase-3 in mitotic spindle dynamics and chromosome alignment. <i>Journal of Cell Science</i> , 2003 , 116, 637-46	5.3	127
73	ER exit sites--localization and control of COPII vesicle formation. <i>FEBS Letters</i> , 2009 , 583, 3796-803	3.8	118
72	Secretory cargo regulates the turnover of COPII subunits at single ER exit sites. <i>Current Biology</i> , 2006 , 16, 173-9	6.3	116
71	Organisation of human ER-exit sites: requirements for the localisation of Sec16 to transitional ER. <i>Journal of Cell Science</i> , 2009 , 122, 2924-34	5.3	115
70	Phosphatidylinositol 4-kinase is required for endosomal trafficking and degradation of the EGF receptor. <i>Journal of Cell Science</i> , 2006 , 119, 571-81	5.3	108
69	Assembly, organization, and function of the COPII coat. <i>Histochemistry and Cell Biology</i> , 2008 , 129, 129-51.4		98
68	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	5.3	96

67	Specificity of cytoplasmic dynein subunits in discrete membrane-trafficking steps. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2885-99	3.5	91
66	Microtubule plus-end loading of p150(Glued) 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, 2758-67	5.3	89
65	De novo formation, fusion and fission of mammalian COPII-coated endoplasmic reticulum exit sites. <i>EMBO Reports</i> , 2003 , 4, 210-7	6.5	88
64	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	5.3	88
63	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, 1825-36	3.5	81
62	PCTAIRE protein kinases interact directly with the COPII complex and modulate secretory cargo transport. <i>Journal of Cell Science</i> , 2005 , 118, 3839-47	5.3	76
61	ER-to-Golgi transport: form and formation of vesicular and tubular carriers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005 , 1744, 304-15	4.9	63
60	The intracellular transport of chylomicrons requires the small GTPase, Sar1b. <i>Current Opinion in Lipidology</i> , 2004 , 15, 191-7	4.4	60
59	Subunit composition of the human cytoplasmic dynein-2 complex. <i>Journal of Cell Science</i> , 2014 , 127, 4774-87	5.3	59
58	ER-to-Golgi trafficking of procollagen in the absence of large carriers. <i>Journal of Cell Biology</i> , 2019 , 218, 929-948	7.3	48
57	Specificity of interaction between adaptor-complex medium chains and the tyrosine-based sorting motifs of TGN38 and lgp120. <i>Biochemical Journal</i> , 1998 , 335 (Pt 3), 567-72	3.8	46
56	TFG Promotes Organization of Transitional ER and Efficient Collagen Secretion. <i>Cell Reports</i> , 2016 , 15, 1648-59	10.6	43
55	The secretion inhibitor Exo2 perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network. <i>Biochemical Journal</i> , 2008 , 414, 471-84	3.8	41
54	Kinesin-1 (uKHC/KIF5B) is required for bidirectional motility of ER exit sites and efficient ER-to-Golgi transport. <i>Traffic</i> , 2008 , 9, 1850-66	5.7	39
53	Microtubule motors mediate endosomal sorting by maintaining functional domain organization. <i>Journal of Cell Science</i> , 2013 , 126, 2493-501	5.3	38
52	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, 30080-6	5.4	37
51	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	5.3	36
50	Serine 331 and tyrosine 333 are both involved in the interaction between the cytosolic domain of TGN38 and the mu2 subunit of the AP2 clathrin adaptor complex. <i>Journal of Biological Chemistry</i> , 1997 , 272, 14104-9	5.4	36

49	The role of motor proteins in endosomal sorting. <i>Biochemical Society Transactions</i> , 2011 , 39, 1179-84	5.1	35
48	LG186: An inhibitor of GBF1 function that causes Golgi disassembly in human and canine cells. <i>Traffic</i> , 2010 , 11, 1537-51	5.7	34
47	Metabolites of the beta-amyloid precursor protein generated by beta-secretase localise to the trans-Golgi network and late endosome in 293 cells. <i>Journal of Neuroscience Research</i> , 1996 , 46, 211-25	4.4	34
46	Giantin-knockout models reveal a feedback loop between Golgi function and glycosyltransferase expression. <i>Journal of Cell Science</i> , 2017 , 130, 4132-4143	5.3	32
45	A role for Tctex-1 (DYNLT1) in controlling primary cilium length. <i>European Journal of Cell Biology</i> , 2011 , 90, 865-71	6.1	32
44	Specific functions of BIG1 and BIG2 in endomembrane organization. <i>PLoS ONE</i> , 2010 , 5, e9898	3.7	32
43	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, 3635-44	5.3	32
42	Assembly, Secretory Pathway Trafficking, and Surface Delivery of Kainate Receptors Is Regulated by Neuronal Activity. <i>Cell Reports</i> , 2017 , 19, 2613-2626	10.6	31
41	Characteristic phenotypes associated with congenital dyserythropoietic anemia (type II) manifest at different stages of erythropoiesis. <i>Haematologica</i> , 2013 , 98, 1788-96	6.6	31
40	The endoplasmic reticulum coat protein II transport machinery coordinates cellular lipid secretion and cholesterol biosynthesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 4244-61	5.4	30
39	ER-to-Golgi Transport: A Sizeable Problem. <i>Trends in Cell Biology</i> , 2019 , 29, 940-953	18.3	28
38	COPII-dependent ER export in animal cells: adaptation and control for diverse cargo. <i>Histochemistry and Cell Biology</i> , 2018 , 150, 119-131	2.4	27
37	The role of microtubules in transport between the endoplasmic reticulum and Golgi apparatus in mammalian cells. <i>Biochemical Society Symposia</i> , 2005 , 1-13		26
36	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	18.5	25
35	Functional coupling of microtubules to membranes - implications for membrane structure and dynamics. <i>Journal of Cell Science</i> , 2012 , 125, 2795-804	5.3	24
34	The use of yeast two-hybrid screens in studies of protein:protein interactions involved in trafficking. <i>Traffic</i> , 2000 , 1, 763-8	5.7	24
33	Biogenesis of ER-to-Golgi transport carriers: complex roles of COPII in ER export. <i>Trends in Cell Biology</i> , 2004 , 14, 57-61	18.3	22
32	A role for endoplasmic reticulum exit sites in foot-and-mouth disease virus infection. <i>Journal of General Virology</i> , 2013 , 94, 2636-2646	4.9	21

31	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, 28073-7	5.4	21
30	Sec16A defines the site for vesicle budding from the endoplasmic reticulum on exit from mitosis. <i>Journal of Cell Science</i> , 2010 , 123, 4032-8	5.3	20
29	Nordihydroguaiaretic acid affects multiple dynein-dynactin functions in interphase and mitotic cells. <i>Molecular Pharmacology</i> , 2007 , 71, 454-60	4.3	20
28	Planar Cell Polarity Effector Proteins Inturned and Fuzzy Form a Rab23 GEF Complex. <i>Current Biology</i> , 2019 , 29, 3323-3330.e8	6.3	19
27	The Golgi matrix protein giantin is required for normal cilia function in zebrafish. <i>Biology Open</i> , 2017 , 6, 1180-1189	2.2	18
26	Early stages of retinal development depend on Sec13 function. <i>Biology Open</i> , 2013 , 2, 256-66	2.2	17
25	Dynein-2 intermediate chains play crucial but distinct roles in primary cilia formation and function. <i>ELife</i> , 2018 , 7,	8.9	17
24	recurrent missense mutation causing Cole-Carpenter syndrome. <i>Journal of Medical Genetics</i> , 2018 , 55, 158-165	5.8	16
23	Epithelial organization and cyst lumen expansion require efficient Sec13-Sec31-driven secretion. <i>Journal of Cell Science</i> , 2012 , 125, 673-84	5.3	16
22	Opposing microtubule motors control motility, morphology and cargo segregation during ER-to-Golgi transport. <i>Biology Open</i> , 2014 , 3, 307-13	2.2	13
21	Characterization of human Sec16B: indications of specialized, non-redundant functions. <i>Scientific Reports</i> , 2011 , 1, 77	4.9	11
20	Cytoplasmic dynein-2 at a glance. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	10
19	Regulator of calcineurin-2 is a centriolar protein with a role in cilia length control. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	10
18	Fine tuning Exo2, a small molecule inhibitor of secretion and retrograde trafficking pathways in mammalian cells. <i>Molecular BioSystems</i> , 2010 , 6, 2030-8		10
17	Cargo loading at the ER. <i>Molecular Membrane Biology</i> , 2010 , 27, 398-411	3.4	8
16	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, 1335-49	1.9	6
15	Giantin is required for intracellular N-terminal processing of type I procollagen. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	5
14	A general role for TANGO1, encoded by MIA3, in secretory pathway organization and function. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	5

13	Vesicle coating and uncoating: controlling the formation of large COPII-coated carriers. <i>F1000 Biology Reports</i> , 2009 , 1, 65		4
12	In vivo dynamics of the F-actin-binding protein neurabin-II. <i>Biochemical Journal</i> , 2000 , 345, 185	3.8	4
11	RNA interference approaches to examine Golgi function in animal cell culture. <i>Methods in Cell Biology</i> , 2013 , 118, 15-34	1.8	3
10	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	4.9	2
9	Measuring the induction or inhibition of apoptosis by HPV proteins. <i>Methods in Molecular Medicine</i> , 2005 , 119, 419-32		2
8	Supply chain logistics - the role of the Golgi complex in extracellular matrix production and maintenance.. <i>Journal of Cell Science</i> , 2022 , 135,	5.3	2
7	Giantin is required for intracellular N-terminal processing of type I procollagen		2
6	Developing pathways to clarify pathogenicity of unclassified variants in Osteogenesis Imperfecta genetic analysis. <i>Molecular Genetics & Genomic Medicine</i> , 2019 , 7, e912	2.3	1
5	ER-to-Golgi trafficking of procollagen in the absence of large carriers		1
4	Regulator of calcineurin-2 is a centriolar protein with a role in cilia length control		1
3	Dynein-2 intermediate chains play crucial but distinct roles in primary cilia formation and function		1
2	Membrane contact sites--an interesting species, an interesting mix. <i>EMBO Reports</i> , 2013 , 14, 396-7	6.5	
1	The biosynthesis of membrane proteins. <i>Biomembranes: A Multi-Volume Treatise</i> , 1995 , 1, 107-135		