

# David J Stephens

## List of Publications by Year in Descending Order

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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	Supply chain logistics - the role of the Golgi complex in extracellular matrix production and maintenance.. <i>Journal of Cell Science</i> , <b>2022</b> , 135,	5.3	2
83	Giantin is required for intracellular N-terminal processing of type I procollagen. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7.3	5
82	A general role for TANGO1, encoded by MIA3, in secretory pathway organization and function. <i>Journal of Cell Science</i> , <b>2021</b> , 134,	5.3	5
81	Cytoplasmic dynein-2 at a glance. <i>Journal of Cell Science</i> , <b>2020</b> , 133,	5.3	10
80	Planar Cell Polarity Effector Proteins Inturned and Fuzzy Form a Rab23 GEF Complex. <i>Current Biology</i> , <b>2019</b> , 29, 3323-3330.e8	6.3	19
79	ER-to-Golgi Transport: A Sizeable Problem. <i>Trends in Cell Biology</i> , <b>2019</b> , 29, 940-953	18.3	28
78	Developing pathways to clarify pathogenicity of unclassified variants in Osteogenesis Imperfecta genetic analysis. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2019</b> , 7, e912	2.3	1
77	ER-to-Golgi trafficking of procollagen in the absence of large carriers. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 929-948	7.3	48
76	Regulator of calcineurin-2 is a centriolar protein with a role in cilia length control. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	10
75	recurrent missense mutation causing Cole-Carpenter syndrome. <i>Journal of Medical Genetics</i> , <b>2018</b> , 55, 158-165	5.8	16
74	COPII-dependent ER export in animal cells: adaptation and control for diverse cargo. <i>Histochemistry and Cell Biology</i> , <b>2018</b> , 150, 119-131	2.4	27
73	Dynein-2 intermediate chains play crucial but distinct roles in primary cilia formation and function. <i>ELife</i> , <b>2018</b> , 7,	8.9	17
72	Assembly, Secretory Pathway Trafficking, and Surface Delivery of Kainate Receptors Is Regulated by Neuronal Activity. <i>Cell Reports</i> , <b>2017</b> , 19, 2613-2626	10.6	31
71	The Golgi matrix protein giantin is required for normal cilia function in zebrafish. <i>Biology Open</i> , <b>2017</b> , 6, 1180-1189	2.2	18
70	Giantin-knockout models reveal a feedback loop between Golgi function and glycosyltransferase expression. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 4132-4143	5.3	32
69	TFG Promotes Organization of Transitional ER and Efficient Collagen Secretion. <i>Cell Reports</i> , <b>2016</b> , 15, 1648-59	10.6	43
68	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> , <b>2016</b> , 28, 74-82	4.9	2

67	Subunit composition of the human cytoplasmic dynein-2 complex. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 4774-87	5.9	59
66	The endoplasmic reticulum coat protein II transport machinery coordinates cellular lipid secretion and cholesterol biosynthesis. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 4244-61	5.4	30
65	Opposing microtubule motors control motility, morphology and cargo segregation during ER-to-Golgi transport. <i>Biology Open</i> , <b>2014</b> , 3, 307-13	2.2	13
64	RNA interference approaches to examine Golgi function in animal cell culture. <i>Methods in Cell Biology</i> , <b>2013</b> , 118, 15-34	1.8	3
63	Early stages of retinal development depend on Sec13 function. <i>Biology Open</i> , <b>2013</b> , 2, 256-66	2.2	17
62	A role for endoplasmic reticulum exit sites in foot-and-mouth disease virus infection. <i>Journal of General Virology</i> , <b>2013</b> , 94, 2636-2646	4.9	21
61	Microtubule motors mediate endosomal sorting by maintaining functional domain organization. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 2493-501	5.3	38
60	A role for the Golgi matrix protein giantin in ciliogenesis through control of the localization of dynein-2. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 5189-97	5.3	36
59	Membrane contact sites--an interesting species, an interesting mix. <i>EMBO Reports</i> , <b>2013</b> , 14, 396-7	6.5	
58	Characteristic phenotypes associated with congenital dyserythropoietic anemia (type II) manifest at different stages of erythropoiesis. <i>Haematologica</i> , <b>2013</b> , 98, 1788-96	6.6	31
57	Epithelial organization and cyst lumen expansion require efficient Sec13-Sec31-driven secretion. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 673-84	5.3	16
56	Functional coupling of microtubules to membranes - implications for membrane structure and dynamics. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 2795-804	5.3	24
55	The role of motor proteins in endosomal sorting. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 1179-84	5.1	35
54	Characterization of human Sec16B: indications of specialized, non-redundant functions. <i>Scientific Reports</i> , <b>2011</b> , 1, 77	4.9	11
53	A role for Tctex-1 (DYNLT1) in controlling primary cilium length. <i>European Journal of Cell Biology</i> , <b>2011</b> , 90, 865-71	6.1	32
52	LG186: An inhibitor of GBF1 function that causes Golgi disassembly in human and canine cells. <i>Traffic</i> , <b>2010</b> , 11, 1537-51	5.7	34
51	Specific functions of BIG1 and BIG2 in endomembrane organization. <i>PLoS ONE</i> , <b>2010</b> , 5, e9898	3.7	32
50	Sec16A defines the site for vesicle budding from the endoplasmic reticulum on exit from mitosis. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 4032-8	5.3	20

49	Cargo loading at the ER. <i>Molecular Membrane Biology</i> , <b>2010</b> , 27, 398-411	3.4	8
48	Fine tuning Exo2, a small molecule inhibitor of secretion and retrograde trafficking pathways in mammalian cells. <i>Molecular BioSystems</i> , <b>2010</b> , 6, 2030-8		10
47	Specificity of cytoplasmic dynein subunits in discrete membrane-trafficking steps. <i>Molecular Biology of the Cell</i> , <b>2009</b> , 20, 2885-99	3.5	91
46	Organisation of human ER-exit sites: requirements for the localisation of Sec16 to transitional ER. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 2924-34	5.3	115
45	ER exit sites—localization and control of COPII vesicle formation. <i>FEBS Letters</i> , <b>2009</b> , 583, 3796-803	3.8	118
44	The retromer coat complex coordinates endosomal sorting and dynein-mediated transport, with carrier recognition by the trans-Golgi network. <i>Developmental Cell</i> , <b>2009</b> , 17, 110-22	10.2	214
43	Vesicle coating and uncoating: controlling the formation of large COPII-coated carriers. <i>F1000 Biology Reports</i> , <b>2009</b> , 1, 65		4
42	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> , <b>2008</b> , 121, 3025-34	5.3	132
41	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> , <b>2008</b> , 19, 1825-36	3.5	81
40	The secretion inhibitor Exo2 perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network. <i>Biochemical Journal</i> , <b>2008</b> , 414, 471-84	3.8	41
39	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> , <b>2008</b> , 37, 1335-49	1.9	6
38	Assembly, organization, and function of the COPII coat. <i>Histochemistry and Cell Biology</i> , <b>2008</b> , 129, 129-51.4		98
37	Kinesin-1 (uKHC/KIF5B) is required for bidirectional motility of ER exit sites and efficient ER-to-Golgi transport. <i>Traffic</i> , <b>2008</b> , 9, 1850-66	5.7	39
36	SNX4 coordinates endosomal sorting of TfnR with dynein-mediated transport into the endocytic recycling compartment. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 1370-80	23.4	206
35	Nordihydroguaiaretic acid affects multiple dynein-dynactin functions in interphase and mitotic cells. <i>Molecular Pharmacology</i> , <b>2007</b> , 71, 454-60	4.3	20
34	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> , <b>2007</b> , 120, 2997-3010	5.3	158
33	Secretory cargo regulates the turnover of COPII subunits at single ER exit sites. <i>Current Biology</i> , <b>2006</b> , 16, 173-9	6.3	116
32	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> , <b>2006</b> , 119, 2758-67	5.3	89

31	Phosphatidylinositol 4-kinase is required for endosomal trafficking and degradation of the EGF receptor. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 571-81	5.3	108
30	Sec16 defines endoplasmic reticulum exit sites and is required for secretory cargo export in mammalian cells. <i>Traffic</i> , <b>2006</b> , 7, 1678-87	5.7	152
29	Intracellular trafficking pathways and drug delivery: fluorescence imaging of living and fixed cells. <i>Advanced Drug Delivery Reviews</i> , <b>2005</b> , 57, 43-61	18.5	219
28	Coming out of the dark: the evolving role of fluorescence imaging in drug delivery research. <i>Advanced Drug Delivery Reviews</i> , <b>2005</b> , 57, 5-15	18.5	25
27	Coupling of ER exit to microtubules through direct interaction of COPII with dynactin. <i>Nature Cell Biology</i> , <b>2005</b> , 7, 48-55	23.4	136
26	ER-to-Golgi transport: form and formation of vesicular and tubular carriers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2005</b> , 1744, 304-15	4.9	63
25	PCTAIRE protein kinases interact directly with the COPII complex and modulate secretory cargo transport. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 3839-47	5.3	76
24	Measuring the induction or inhibition of apoptosis by HPV proteins. <i>Methods in Molecular Medicine</i> , <b>2005</b> , 119, 419-32		2
23	The role of microtubules in transport between the endoplasmic reticulum and Golgi apparatus in mammalian cells. <i>Biochemical Society Symposia</i> , <b>2005</b> , 1-13		26
22	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> , <b>2004</b> , 117, 3635-44	5.3	32
21	Biogenesis of ER-to-Golgi transport carriers: complex roles of COPII in ER export. <i>Trends in Cell Biology</i> , <b>2004</b> , 14, 57-61	18.3	22
20	The intracellular transport of chylomicrons requires the small GTPase, Sar1b. <i>Current Opinion in Lipidology</i> , <b>2004</b> , 15, 191-7	4.4	60
19	A role for glycogen synthase kinase-3 in mitotic spindle dynamics and chromosome alignment. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 637-46	5.3	127
18	De novo formation, fusion and fission of mammalian COPII-coated endoplasmic reticulum exit sites. <i>EMBO Reports</i> , <b>2003</b> , 4, 210-7	6.5	88
17	Light microscopy techniques for live cell imaging. <i>Science</i> , <b>2003</b> , 300, 82-6	33.3	913
16	Role of adaptor complex AP-3 in targeting wild-type and mutated CD63 to lysosomes. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 1071-82	3.5	194
15	Imaging of procollagen transport reveals COPI-dependent cargo sorting during ER-to-Golgi transport in mammalian cells. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1149-1160	5.3	96
14	Imaging of procollagen transport reveals COPI-dependent cargo sorting during ER-to-Golgi transport in mammalian cells. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1149-60	5.3	88

13	The use of yeast two-hybrid screens in studies of protein:protein interactions involved in trafficking. <i>Traffic</i> , <b>2000</b> , 1, 763-8	5-7	24
12	In vivo dynamics of the F-actin-binding protein neurabin-II. <i>Biochemical Journal</i> , <b>2000</b> , 345, 185	3-8	4
11	Direct interaction of the trans-Golgi network membrane protein, TGN38, with the F-actin binding protein, neurabin. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 30080-6	5-4	37
10	The role of cholesterol in the biosynthesis of beta-amyloid. <i>NeuroReport</i> , <b>1999</b> , 10, 1699-705	1-7	313
9	Inhibition of the interaction between tyrosine-based motifs and the medium chain subunit of the AP-2 adaptor complex by specific tyrophostins. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 28073-7	5-4	21
8	Specificity of interaction between adaptor-complex medium chains and the tyrosine-based sorting motifs of TGN38 and lgp120. <i>Biochemical Journal</i> , <b>1998</b> , 335 ( Pt 3), 567-72	3-8	46
7	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> , <b>1997</b> , 272, 14104-9	5-4	36
6	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> , <b>1996</b> , 46, 211-25	4-4	34
5	The biosynthesis of membrane proteins. <i>Biomembranes: A Multi-Volume Treatise</i> , <b>1995</b> , 1, 107-135		
4	ER-to-Golgi trafficking of procollagen in the absence of large carriers		1
3	Regulator of calcineurin-2 is a centriolar protein with a role in cilia length control		1
2	Giantin is required for intracellular N-terminal processing of type I procollagen		2
1	Dynein-2 intermediate chains play crucial but distinct roles in primary cilia formation and function		1