Stephen High

List of Publications by Year in Descending Order

115 papers	4,985 citations	37 h-index	68 g-index
123 ext. papers	5,677 ext. citations	7 avg, IF	5.52 L-index

#	Paper	IF	Citations
115	Biochemical and Biological Assays of Mycolactone-Mediated Inhibition of Sec61. *Methods in Molecular Biology*, **2022**, 2387, 163-181	1.4	0
114	Membrane protein biogenesis at the ER: the highways and byways. *FEBS Journal*, **2021**,	5.7	5
113	Ipomoeassin-F disrupts multiple aspects of secretory protein biogenesis. *Scientific Reports*, **2021**, 11, 11562	4.9	1
112	Eeyarestatin 24 impairs SecYEG-dependent protein trafficking and inhibits growth of clinically relevant pathogens. *Molecular Microbiology*, **2021**, 115, 28-40	4.1	5
111	Ipomoeassin-F inhibits the biogenesis of the SARS-CoV-2 spike protein and its host cell membrane receptor. *Journal of Cell Science*, **2021**, 134,	5.3	7
110	An alternative pathway for membrane protein biogenesis at the endoplasmic reticulum. *Communications Biology*, **2021**, 4, 828	6.7	4
109	SGTA associates with nascent membrane protein precursors. *EMBO Reports*, **2020**, 21, e48835	6.5	5
108	SMIM1, carrier of the Vel blood group, is a tail-anchored transmembrane protein and readily forms homodimers in a cell-free system. *Bioscience Reports*, **2020**, 40,	4.1	1
107	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle. *PLoS Biology*, **2020**, 18, e3000874	9.7	9
106	Ring Expansion Leads to a More Potent Analogue of Ipomoeassin F. *Journal of Organic Chemistry*, **2020**, 85, 16226-16235	4.2	6
105	Membrane translocation at the ER: with a little help from my friends. *FEBS Journal*, **2020**, 287, 4607-4611	5.7	4
104	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle **2020**, 18, e3000874		
103	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle **2020**, 18, e3000874		
102	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle **2020**, 18, e3000874		
101	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle **2020**, 18, e3000874		
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99	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle **2020**, 18, e3000874		

98	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle **2020**, 18, e3000874		
97	Posttranslational insertion of small membrane proteins by the bacterial signal recognition particle **2020**, 18, e3000874		
96	Ipomoeassin F Binds Sec61α to Inhibit Protein Translocation. *Journal of the American Chemical Society*, **2019**, 141, 8450-8461	16.4	30
95	Characterizing the selectivity of ER α-glucosidase inhibitors. *Glycobiology*, **2019**, 29, 530-542	5.8	10
94	The use of tail-anchored protein chimeras to enhance liposomal cargo delivery. *PLoS ONE*, **2019**, 14, e0212701	3.7	1
93	Eeyarestatin Compounds Selectively Enhance Sec61-Mediated Ca Leakage from the Endoplasmic Reticulum. *Cell Chemical Biology*, **2019**, 26, 571-583.e6	8.2	22
92	Distinct Requirements for Tail-Anchored Membrane Protein Biogenesis in Escherichia coli. *MBio*, **2019**, 10,	7.8	5
91	Chaperone-Mediated Sec61 Channel Gating during ER Import of Small Precursor Proteins Overcomes Sec61 Inhibitor-Reinforced Energy Barrier. *Cell Reports*, **2018**, 23, 1373-1386	10.6	34
90	Sec61 blockade by mycolactone: A central mechanism in Buruli ulcer disease. *Biology of the Cell*, **2018**, 110, 237-248	3.5	37
89	Structural complexity of the co-chaperone SGTA: a conserved C-terminal region is implicated in dimerization and substrate quality control. *BMC Biology*, **2018**, 16, 76	7.3	5
88	Mycolactone reveals the substrate-driven complexity of Sec61-dependent transmembrane protein biogenesis. *Journal of Cell Science*, **2017**, 130, 1307-1320	5.3	37
87	Multiple pathways facilitate the biogenesis of mammalian tail-anchored proteins. *Journal of Cell Science*, **2017**, 130, 3851-3861	5.3	43
86	On the road to nowhere: cross-talk between post-translational protein targeting and cytosolic quality control. *Biochemical Society Transactions*, **2016**, 44, 796-801	5.1	22
85	SGTA interacts with the proteasomal ubiquitin receptor Rpn13 via a carboxylate clamp mechanism. *Scientific Reports*, **2016**, 6, 36622	4.9	9
84	The Charcot Marie Tooth disease protein LITAF is a zinc-binding monotopic membrane protein. *Biochemical Journal*, **2016**, 473, 3965-3978	3.8	12
83	Mechanistic insights into the inhibition of Sec61-dependent co- and post-translational translocation by mycolactone. *Journal of Cell Science*, **2016**, 129, 1404-15	5.3	58
82	Structural and functional insights into the E3 ligase, RNF126. *Scientific Reports*, **2016**, 6, 26433	4.9	17
81	Binding of SGTA to Rpn13 selectively modulates protein quality control. *Journal of Cell Science*, **2015**, 128, 3187-96	5.3	20

80	Mammalian SRP receptor switches the Sec61 translocase from Sec62 to SRP-dependent translocation. *Nature Communications*, **2015**, 6, 10133	17.4	31
79	SGTA regulates the cytosolic quality control of hydrophobic substrates. *Journal of Cell Science*, **2014**, 127, 4728-39	5.3	34
78	Solution structure of the SGTA dimerisation domain and investigation of its interactions with the ubiquitin-like domains of BAG6 and UBL4A. *PLoS ONE*, **2014**, 9, e113281	3.7	15
77	The pathogenic mechanism of the Mycobacterium ulcerans virulence factor, mycolactone, depends on blockade of protein translocation into the ER. *PLoS Pathogens*, **2014**, 10, e1004061	7.6	97
76	BAG6 regulates the quality control of a polytopic ERAD substrate. *Journal of Cell Science*, **2014**, 127, 2898-909	5.3	20
75	Elevation of proteasomal substrate levels sensitizes cells to apoptosis induced by inhibition of proteasomal deubiquitinases. *PLoS ONE*, **2014**, 9, e108839	3.7	6
74	Structure of the Sgt2/Get5 complex provides insights into GET-mediated targeting of tail-anchored membrane proteins. *Proceedings of the National Academy of Sciences of the United States of America* , **2013**, 110, 1327-32	11.5	25
73	Post-translational translocation into the endoplasmic reticulum. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 2403-9	4.9	81
72	Reorientation of the first signal-anchor sequence during potassium channel biogenesis at the Sec61 complex. *Biochemical Journal*, **2013**, 456, 297-309	3.8	10
71	OST4 is a subunit of the mammalian oligosaccharyltransferase required for efficient N-glycosylation. *Journal of Cell Science*, **2013**, 126, 2595-606	5.3	17
70	Deubiquitinases regulate the activity of caspase-1 and interleukin-1β secretion via assembly of the inflammasome. *Journal of Biological Chemistry*, **2013**, 288, 2721-33	5.4	134
69	The association of BAG6 with SGTA and tail-anchored proteins. *PLoS ONE*, **2013**, 8, e59590	3.7	34
68	Positional editing of transmembrane domains during ion channel assembly. *Journal of Cell Science*, **2013**, 126, 464-72	5.3	8
67	Get3 is a holdase chaperone and moves to deposition sites for aggregated proteins when membrane targeting is blocked. *Journal of Cell Science*, **2013**, 126, 473-83	5.3	35
66	The signal sequence influences post-translational ER translocation at distinct stages. *PLoS ONE*, **2013**, 8, e75394	3.7	33
65	SGTA antagonizes BAG6-mediated protein triage. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19214-9	11.5	61
64	Inhibition of protein translocation at the endoplasmic reticulum promotes activation of the unfolded protein response. *Biochemical Journal*, **2012**, 442, 639-48	3.8	27
63	Keratinocyte-associated protein 2 is a bona fide subunit of the mammalian oligosaccharyltransferase. *Journal of Cell Science*, **2012**, 125, 220-32	5.3	22

62	The oligosaccharyltransferase subunits OST48, DAD1 and KCP2 function as ubiquitous and selective modulators of mammalian N-glycosylation. *Journal of Cell Science*, **2012**, 125, 3474-84	5.3	53
61	TRC40 can deliver short secretory proteins to the Sec61 translocon. *Journal of Cell Science*, **2012**, 125, 4414-4414	5.3	3
60	TRC40 can deliver short secretory proteins to the Sec61 translocon. *Journal of Cell Science*, **2012**, 125, 3612-20	5.3	48
59	Eeyarestatin 1 interferes with both retrograde and anterograde intracellular trafficking pathways. *PLoS ONE*, **2011**, 6, e22713	3.7	26
58	A biochemical analysis of the constraints of tail-anchored protein biogenesis. *Biochemical Journal*, **2011**, 436, 719-27	3.8	26
57	Ca2+-calmodulin inhibits tail-anchored protein insertion into the mammalian endoplasmic reticulum membrane. *FEBS Letters*, **2011**, 585, 3485-90	3.8	17
56	EBV protein BNLF2a exploits host tail-anchored protein integration machinery to inhibit TAP. *Journal of Immunology*, **2011**, 186, 3594-605	5.3	32
55	Bat3 promotes the membrane integration of tail-anchored proteins. *Journal of Cell Science*, **2010**, 123, 2170-8	5.3	101
54	Studying endoplasmic reticulum function in vitro using siRNA. *Methods in Molecular Biology*, **2010**, 619, 389-402	1.4	2
53	Dissecting the physiological role of selective transmembrane-segment retention at the ER translocon. *Journal of Cell Science*, **2009**, 122, 1768-77	5.3	24
52	Differences in endoplasmic-reticulum quality control determine the cellular response to disease-associated mutants of proteolipid protein. *Journal of Cell Science*, **2009**, 122, 3942-53	5.3	30
51	Endoplasmic reticulum-associated degradation of a degron-containing polytopic membrane protein. *Molecular Membrane Biology*, **2009**, 26, 448-64	3.4	10
50	Biogenesis of tail-anchored proteins: the beginning for the end?. *Journal of Cell Science*, **2009**, 122, 3605-12	5.3	90
49	Eeyarestatin I inhibits Sec61-mediated protein translocation at the endoplasmic reticulum. *Journal of Cell Science*, **2009**, 122, 4393-400	5.3	74
48	Delivering proteins for export from the cytosol. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 255-64	48.7	155
47	Ribophorin I regulates substrate delivery to the oligosaccharyltransferase core. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 9534-9	11.5	54
46	A precursor-specific role for Hsp40/Hsc70 during tail-anchored protein integration at the endoplasmic reticulum. *Journal of Biological Chemistry*, **2008**, 283, 27504-27513	5.4	87
45	Specific transmembrane segments are selectively delayed at the ER translocon during opsin biogenesis. *Biochemical Journal*, **2008**, 411, 495-506	3.8	32

44	The oligomeric state of Derlin-1 is modulated by endoplasmic reticulum stress. *Molecular Membrane Biology*, **2007**, 24, 113-20	3.4	9
43	Membrane protein chaperones: a new twist in the tail?. *Current Biology*, **2007**, 17, R472-4	6.3	15
42	Ribophorin I acts as a substrate-specific facilitator of N-glycosylation. *Journal of Cell Science*, **2007**, 120, 648-57	5.3	56
41	Post-translational integration of tail-anchored proteins is facilitated by defined molecular chaperones. *Journal of Cell Science*, **2007**, 120, 1743-51	5.3	79
40	Biosynthesis of the dystonia-associated AAA+ ATPase torsinA at the endoplasmic reticulum. *Biochemical Journal*, **2007**, 401, 607-12	3.8	43
39	Starvation and ULK1-dependent cycling of mammalian Atg9 between the TGN and endosomes. *Journal of Cell Science*, **2006**, 119, 3888-900	5.3	606
38	Active and passive displacement of transmembrane domains both occur during opsin biogenesis at the Sec61 translocon. *Journal of Cell Science*, **2006**, 119, 2826-36	5.3	29
37	Human autoantibodies against the 54 kDa protein of the signal recognition particle block function at multiple stages. *Arthritis Research and Therapy*, **2006**, 8, R39	5.7	39
36	ER targeting signals: more than meets the eye?. *Cell*, **2006**, 127, 877-9	56.2	9
35	Disease-associated mutations cause premature oligomerization of myelin proteolipid protein in the endoplasmic reticulum. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 4342-7	11.5	38
34	Polytopic proteins: preventing aggregation in the membrane. *Current Biology*, **2005**, 15, R169-71	6.3	4
33	Mixed-disulfide folding intermediates between thyroglobulin and endoplasmic reticulum resident oxidoreductases ERp57 and protein disulfide isomerase. *Molecular and Cellular Biology*, **2005**, 25, 9793-805	4.8	59
32	Ribophorin I associates with a subset of membrane proteins after their integration at the sec61 translocon. *Journal of Biological Chemistry*, **2005**, 280, 4195-206	5.4	36
31	The primary substrate binding site in the bSdomain of ERp57 is adapted for endoplasmic reticulum lectin association. *Journal of Biological Chemistry*, **2004**, 279, 18861-9	5.4	79
30	Polytopic membrane protein folding and assembly in vitro and in vivo. *Molecular Membrane Biology*, **2004**, 21, 163-70	3.4	20
29	Signal recognition particle mediates post-translational targeting in eukaryotes. *EMBO Journal*, **2004** , 23, 2755-64	13	104
28	A misassembled transmembrane domain of a polytopic protein associates with signal peptide peptidase. *Biochemical Journal*, **2004**, 384, 9-17	3.8	29
27	Role of calnexin in the glycan-independent quality control of proteolipid protein. *EMBO Journal*, **2003**, 22, 2948-58	13	89

26	Tail-anchored and signal-anchored proteins utilize overlapping pathways during membrane insertion. *Journal of Biological Chemistry*, **2003**, 278, 5669-78	5.4	39
25	Membrane protein topology of oleosin is constrained by its long hydrophobic domain. *Journal of Biological Chemistry*, **2002**, 277, 8602-10	5.4	45
24	Different transmembrane domains associate with distinct endoplasmic reticulum components during membrane integration of a polytopic protein. *Molecular Biology of the Cell*, **2002**, 13, 4114-29	3.5	70
23	Early events in glycosylphosphatidylinositol anchor addition. substrate proteins associate with the transamidase subunit gpi8p. *Journal of Biological Chemistry*, **2001**, 276, 15975-82	5.4	31
22	Glycoprotein folding in the endoplasmic reticulum: a tale of three chaperones?. *FEBS Letters*, **2000**, 476, 38-41	3.8	120
21	Protein targeting and translocation at the endoplasmic reticulum membrane--through the eye of a needle?. *Essays in Biochemistry*, **2000**, 36, 1-13	7.6	21
20	ERp57 functions as a subunit of specific complexes formed with the ER lectins calreticulin and calnexin. *Molecular Biology of the Cell*, **1999**, 10, 2573-82	3.5	274
19	Membrane-protein biosynthesis at the endoplasmic reticulum. *Biochemical Society Transactions*, **1999**, 27, 883-8	5.1	4
18	In vitro characterisation of the interaction between newly synthesised proteins and a pancreatic isoform of protein disulphide isomerase. *FEBS Journal*, **1998**, 252, 372-7		10
17	The transient association of ERp57 with N-glycosylated proteins is regulated by glucose trimming. *FEBS Journal*, **1998**, 256, 51-9		29
16	Formation and turnover of NSF- and SNAP-containing "fusion" complexes occur on undocked, clathrin-coated vesicle-derived membranes. *Molecular Biology of the Cell*, **1998**, 9, 1633-47	3.5	17
15	Membrane integration of Sec61alpha: a core component of the endoplasmic reticulum translocation complex. *Biochemical Journal*, **1998**, 331 (Pt 1), 161-7	3.8	19
14	The thiol-dependent reductase ERp57 interacts specifically with N-glycosylated integral membrane proteins. *Journal of Biological Chemistry*, **1997**, 272, 13849-55	5.4	101
13	Discrete cross-linking products identified during membrane protein biosynthesis. *Journal of Biological Chemistry*, **1997**, 272, 1983-9	5.4	65
12	Membrane association, localization and topology of rat inositol 1,4,5-trisphosphate 3-kinase B: implications for membrane traffic and Ca2+ homoeostasis. *Biochemical Journal*, **1997**, 324 (Pt 2), 579-89	3.8	36
11	Interaction of the thiol-dependent reductase ERp57 with nascent glycoproteins. *Science*, **1997**, 275, 86-8	33.3	344
10	Chloroplast SRP54 interacts with a specific subset of thylakoid precursor proteins. *Journal of Biological Chemistry*, **1997**, 272, 11622-8	5.4	50
9	The glut 1 glucose transporter interacts with calnexin and calreticulin. *Journal of Biological Chemistry*, **1996**, 271, 13691-6	5.4	34

8	Protein translocation at the membrane of the endoplasmic reticulum. *Progress in Biophysics and Molecular Biology*, **1995**, 63, 233-50	4.7	24
7	The Sec61 complex is essential for the insertion of proteins into the membrane of the endoplasmic reticulum. *FEBS Letters*, **1995**, 362, 126-30	3.8	46
6	Protein translocation across membranes: common themes in divergent organisms. *Trends in Cell Biology*, **1993**, 3, 335-9	18.3	25
5	Chapter 9 Membrane protein insertion into the endoplasmic reticulum: signals, machinery and mechanisms. *New Comprehensive Biochemistry*, **1992**, 22, 105-118		3
4	Mechanisms that determine the transmembrane disposition of proteins. *Current Opinion in Cell Biology*, **1992**, 4, 581-6	9	71
3	Signal-sequence recognition by an Escherichia coli ribonucleoprotein complex. *Nature*, **1992**, 359, 741-3	50.4	175
2	Membrane protein insertion into the endoplasmic reticulum--another channel tunnel?. *BioEssays*, **1992**, 14, 535-40	4.1	18
1	Structure and function of signal recognition particle (SRP). *Molecular Biology Reports*, **1990**, 14, 71-2	2.8	6