List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Translocation of polyubiquitinated protein substrates by the hexameric Cdc48 ATPase. Molecular Cell, 2022, 82, 570-584.e8.	4.5	39
2	A peroxisomal ubiquitin ligase complex forms a retrotranslocation channel. Nature, 2022, 607, 374-380.	13.7	36
3	Mechanism of Lamellar Body Formation by Lung Surfactant Protein B. Molecular Cell, 2021, 81, 49-66.e8.	4.5	19
4	Translocation of Proteins through a Distorted Lipid Bilayer. Trends in Cell Biology, 2021, 31, 473-484.	3.6	47
5	Mechanism of membrane-curvature generation by ER-tubule shaping proteins. Nature Communications, 2021, 12, 568.	5.8	55
6	Cryo-EM structure determination of small proteins by nanobody-binding scaffolds (Legobodies). Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	44
7	Ddi1 is a ubiquitin-dependent protease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7776-7781.	3.3	63
8	Structural basis of ER-associated protein degradation mediated by the Hrd1 ubiquitin ligase complex. Science, 2020, 368, .	6.0	143
9	Protease protection assays show polypeptide movement into the SecY channel by power strokes of the SecA ATPase. EMBO Reports, 2020, 21, e50905.	2.0	12
10	Substrate processing by the Cdc48 ATPase complex is initiated by ubiquitin unfolding. Science, 2019, 365, .	6.0	233
11	Structure of the substrate-engaged SecA-SecY protein translocation machine. Nature Communications, 2019, 10, 2872.	5.8	55
12	Structure of the post-translational protein translocation machinery of the ER membrane. Nature, 2019, 566, 136-139.	13.7	108
13	Reconstituting the reticular ER network – mechanistic implications and open questions. Journal of Cell Science, 2019, 132, .	1.2	52
14	Protein translocation by the SecA ATPase occurs by a powerâ€stroke mechanism. EMBO Journal, 2019, 38,	3.5	47
15	Peroxisome protein import recapitulated in <i>Xenopus</i> egg extracts. Journal of Cell Biology, 2019, 218, 2021-2034.	2.3	14
16	Endoplasmic Reticulum Network Formation with <i>Xenopus</i> Egg Extracts. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot097204.	0.2	5
17	Cycles of autoubiquitination and deubiquitination regulate the ERAD ubiquitin ligase Hrd1. ELife, 2019, 8, .	2.8	40
18	Unraveling the sequence of cytosolic reactions in the export of GspB adhesin from Streptococcus gordonii. Journal of Biological Chemistry, 2018, 293, 5360-5373.	1.6	15

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19	Mechanistic insights into ER-associated protein degradation. Current Opinion in Cell Biology, 2018, 53, 22-28.	2.6	264
20	Structure of the Cdc48 ATPase with its ubiquitin-binding cofactor Ufd1–Npl4. Nature Structural and Molecular Biology, 2018, 25, 616-622.	3.6	82
21	The ER morphology-regulating lunapark protein induces the formation of stacked bilayer discs. Life Science Alliance, 2018, 1, e201700014.	1.3	13
22	Reconstitution of the tubular endoplasmic reticulum network with purified components. Nature, 2017, 543, 257-260.	13.7	95
23	Molecular Mechanism of Substrate Processing by the Cdc48 ATPase Complex. Cell, 2017, 169, 722-735.e9.	13.5	254
24	Structural and Mechanistic Insights into Protein Translocation. Annual Review of Cell and Developmental Biology, 2017, 33, 369-390.	4.0	258
25	Two alternative binding mechanisms connect the protein translocation Sec71-Sec72 complex with heat shock proteins. Journal of Biological Chemistry, 2017, 292, 8007-8018.	1.6	43
26	Cryo-EM structure of the protein-conducting ERAD channel Hrd1 in complex with Hrd3. Nature, 2017, 548, 352-355.	13.7	160
27	Toward an understanding of the Cdc48/p97 ATPase. F1000Research, 2017, 6, 1318.	0.8	110
28	Cooperation of the ER-shaping proteins atlastin, lunapark, and reticulons to generate a tubular membrane network. ELife, 2016, 5, .	2.8	146
29	Fusion of the endoplasmic reticulum by membrane-bound GTPases. Seminars in Cell and Developmental Biology, 2016, 60, 105-111.	2.3	68
30	Autoubiquitination of the Hrd1 Ligase Triggers Protein Retrotranslocation in ERAD. Cell, 2016, 166, 394-407.	13.5	169
31	Structures of the doubleâ€ring AAA ATPase Pex1–Pex6 involved in peroxisome biogenesis. FEBS Journal, 2016, 283, 986-992.	2.2	19
32	Mechanism of a cytosolic <i>O</i> -glycosyltransferase essential for the synthesis of a bacterial adhesion protein. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1190-9.	3.3	36
33	Crystal structure of a substrate-engaged SecY protein-translocation channel. Nature, 2016, 531, 395-399.	13.7	159
34	Involvement of <scp>VAT</scp> â€1 in Phosphatidylserine Transfer from the Endoplasmic Reticulum to Mitochondria. Traffic, 2015, 16, 1306-1317.	1.3	11
35	Conformational Changes of the Clamp of the Protein Translocation ATPase SecA. Journal of Molecular Biology, 2015, 427, 2348-2359.	2.0	26
36	Decatransin, a novel natural product inhibiting protein translocation at the Sec61/SecY translocon. Journal of Cell Science, 2015, 128, 1217-29.	1.2	52

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37	Unique double-ring structure of the peroxisomal Pex1/Pex6 ATPase complex revealed by cryo-electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4017-25.	3.3	72
38	Cis and trans interactions between atlastin molecules during membrane fusion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1851-60.	3.3	65
39	A model for the generation and interconversion of ER morphologies. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5243-51.	3.3	112
40	An ER Protein Functionally Couples Neutral Lipid Metabolism on Lipid Droplets to Membrane Lipid Synthesis in the ER. Cell Reports, 2014, 6, 44-55.	2.9	99
41	Structure of the SecY channel during initiation of protein translocation. Nature, 2014, 506, 102-106.	13.7	138
42	Key Steps in ERAD of Luminal ER Proteins Reconstituted with Purified Components. Cell, 2014, 158, 1375-1388.	13.5	175
43	Structural Analysis and Optimization of the Covalent Association between SpyCatcher and a Peptide Tag. Journal of Molecular Biology, 2014, 426, 309-317.	2.0	241
44	A "Push and Slide―Mechanism Allows Sequence-Insensitive Translocation of Secretory Proteins by the SecA ATPase. Cell, 2014, 157, 1416-1429.	13.5	103
45	Investigation of SecY proteinâ€ŧranslocation channel in action using a novel in vivo tool (LB198). FASEB Journal, 2014, 28, LB198.	0.2	0
46	Investigation of SecY proteinâ€ŧranslocation channel in action using a novel in vivo tool (362.3). FASEB Journal, 2014, 28, 362.3.	0.2	0
47	Stacked Endoplasmic Reticulum Sheets Are Connected by Helicoidal Membrane Motifs. Cell, 2013, 154, 285-296.	13.5	202
48	Multiple mechanisms determine ER network morphology during the cell cycle in <i>Xenopus</i> egg extracts. Journal of Cell Biology, 2013, 203, 801-814.	2.3	85
49	Investigating the import of folded proteins into peroxisomes. FASEB Journal, 2013, 27, lb127.	0.2	0
50	The role of the Câ€ŧerminus and transmembrane segments in facilitating atlastinâ€mediated endoplasmic reticulum fusion. FASEB Journal, 2013, 27, 1016.1.	0.2	0
51	Lipid interaction of the C terminus and association of the transmembrane segments facilitate atlastin-mediated homotypic endoplasmic reticulum fusion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2146-54.	3.3	102
52	The dynamin-like GTPase Sey1p mediates homotypic ER fusion in <i>S. cerevisiae</i> . Journal of Cell Biology, 2012, 197, 209-217.	2.3	104
53	Mechanisms of Sec61/SecY-Mediated Protein Translocation Across Membranes. Annual Review of Biophysics, 2012, 41, 21-40.	4.5	324
54	Gem1 and <scp>ERMES</scp> Do Not Directly Affect Phosphatidylserine Transport from <scp>ER</scp> to Mitochondria or Mitochondrial Inheritance. Traffic, 2012, 13, 880-890.	1.3	154

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55	Weaving the Web of ER Tubules. Cell, 2011, 147, 1226-1231.	13.5	138
56	Preserving the membrane barrier for small molecules during bacterial protein translocation. Nature, 2011, 473, 239-242.	13.7	86
57	Recognition of an ERAD-L substrate analyzed by site-specific in vivo photocrosslinking. FEBS Letters, 2011, 585, 1281-1286.	1.3	25
58	Structures of the atlastin GTPase provide insight into homotypic fusion of endoplasmic reticulum membranes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3976-3981.	3.3	212
59	A Preliminary Report on My Life in Science. Molecular Biology of the Cell, 2010, 21, 3770-3772.	0.9	0
60	Retrotranslocation of a Misfolded Luminal ER Protein by the Ubiquitin-Ligase Hrd1p. Cell, 2010, 143, 579-591.	13.5	262
61	Mechanisms Determining the Morphology of the Peripheral ER. Cell, 2010, 143, 774-788.	13.5	460
62	Cilia and Hedgehog Signaling in the Mouse Embryo. , 2010, 102, 103-115.		9
63	Protein Transport in and out of the Endoplasmic Reticulum. , 2010, 102, 51-72.		0
64	Tracking the Road from Inflammation to Cancer: the Critical Role of IκB Kinase (IKK). , 2010, 102, 133-151.		8
65	Signaling Networks that Control Synapse Development and Cognitive Function. , 2010, 102, 73-102.		1
66	Basal Bodies: Their Roles in Generating Asymmetry. , 2010, 102, 17-50.		1
67	Mapping polypeptide interactions of the SecA ATPase during translocation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20800-20805.	3.3	59
68	A Class of Dynamin-like GTPases Involved in the Generation of the Tubular ER Network. Cell, 2009, 138, 549-561.	13.5	495
69	Conformational Flexibility and Peptide Interaction of the Translocation ATPase SecA. Journal of Molecular Biology, 2009, 394, 606-612.	2.0	61
70	Mechanisms Shaping the Membranes of Cellular Organelles. Annual Review of Cell and Developmental Biology, 2009, 25, 329-354.	4.0	368
71	Protein transport across the endoplasmic reticulum membrane. FEBS Journal, 2008, 275, 4471-4478.	2.2	30
72	Structure of a complex of the ATPase SecA and the protein-translocation channel. Nature, 2008, 455, 936-943.	13.7	416

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73	A role for the two-helix finger of the SecA ATPase in protein translocation. Nature, 2008, 455, 984-987.	13.7	124
74	The ERâ€associated degradation component Der1p and its homolog Dfm1p are contained in complexes with distinct cofactors of the ATPase Cdc48p. FEBS Letters, 2008, 582, 1575-1580.	1.3	38
75	Single Copies of Sec61 and TRAP Associate with a Nontranslating Mammalian Ribosome. Structure, 2008, 16, 1126-1137.	1.6	94
76	The Reticulon and Dp1/Yop1p Proteins Form Immobile Oligomers in the Tubular Endoplasmic Reticulum. Journal of Biological Chemistry, 2008, 283, 18892-18904.	1.6	292
77	Analysis of Polypeptide Movement in the SecY Channel during SecA-mediated Protein Translocation. Journal of Biological Chemistry, 2008, 283, 15709-15715.	1.6	37
78	Membrane Proteins of the Endoplasmic Reticulum Induce High-Curvature Tubules. Science, 2008, 319, 1247-1250.	6.0	386
79	The Signal Sequence Coding Region Promotes Nuclear Export of mRNA. PLoS Biology, 2007, 5, e322.	2.6	103
80	Protein Translocation Is Mediated by Oligomers of the SecY Complex with One SecY Copy Forming the Channel. Cell, 2007, 129, 97-110.	13.5	138
81	Determining the Conductance of the SecY Protein Translocation Channel for Small Molecules. Molecular Cell, 2007, 26, 501-509.	4.5	102
82	The Plug Domain of the SecY Protein Stabilizes the Closed State of the Translocation Channel and Maintains a Membrane Seal. Molecular Cell, 2007, 26, 511-521.	4.5	106
83	Ribosome Binding of a Single Copy of the SecY Complex: Implications for Protein Translocation. Molecular Cell, 2007, 28, 1083-1092.	4.5	92
84	Cross-linked SecA dimers are not functional in protein translocation. FEBS Letters, 2007, 581, 2616-2620.	1.3	25
85	Protein translocation across the eukaryotic endoplasmic reticulum and bacterial plasma membranes. Nature, 2007, 450, 663-669.	13.7	846
86	A Class of Membrane Proteins Shaping the Tubular Endoplasmic Reticulum. Cell, 2006, 124, 573-586.	13.5	1,005
87	Distinct Ubiquitin-Ligase Complexes Define Convergent Pathways for the Degradation of ER Proteins. Cell, 2006, 126, 361-373.	13.5	648
88	Rough Sheets and Smooth Tubules. Cell, 2006, 126, 435-439.	13.5	383
89	A Novel Dimer Interface and Conformational Changes Revealed by an X-ray Structure of B. subtilis SecA. Journal of Molecular Biology, 2006, 364, 259-265.	2.0	78
90	Ribosome Binding to and Dissociation from Translocation Sites of the Endoplasmic Reticulum Membrane. Molecular Biology of the Cell, 2006, 17, 3860-3869.	0.9	36

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91	PROTEIN TRANSLOCATION BY THE SEC61/SECY CHANNEL. Annual Review of Cell and Developmental Biology, 2005, 21, 529-550.	4.0	339
92	Disulfide bridge formation between SecY and a translocating polypeptide localizes the translocation pore to the center of SecY. Journal of Cell Biology, 2005, 169, 219-225.	2.3	142
93	The Bacterial ATPase SecA Functions as a Monomer in Protein Translocation. Journal of Biological Chemistry, 2005, 280, 9097-9105.	1.6	94
94	Recruitment of the p97 ATPase and ubiquitin ligases to the site of retrotranslocation at the endoplasmic reticulum membrane. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14132-14138.	3.3	295
95	Architecture of the Ribosome–Channel Complex Derived from Native Membranes. Journal of Molecular Biology, 2005, 348, 445-457.	2.0	126
96	Interactions between Sec Complex and Prepro-α-Factor during Posttranslational Protein Transport into the Endoplasmic Reticulum. Molecular Biology of the Cell, 2004, 15, 1-10.	0.9	50
97	A large conformational change of the translocation ATPase SecA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10937-10942.	3.3	141
98	The Endoplasmic Reticulum Membrane Is Permeable to Small Molecules. Molecular Biology of the Cell, 2004, 15, 447-455.	0.9	103
99	X-ray structure of a protein-conducting channel. Nature, 2004, 427, 36-44.	13.7	1,134
100	A membrane protein complex mediates retro-translocation from the ER lumen into the cytosol. Nature, 2004, 429, 841-847.	13.7	858
101	Membrane-protein integration and the role of the translocation channel. Trends in Cell Biology, 2004, 14, 568-575.	3.6	160
102	Structural insight into the protein translocation channel. Current Opinion in Structural Biology, 2004, 14, 390-396.	2.6	51
103	RecA-like motor ATPases—lessons from structures. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1659, 1-18.	0.5	127
104	Cooperation of transmembrane segments during the integration of a double-spanning protein into the ER membrane. EMBO Journal, 2003, 22, 3654-3663.	3.5	89
105	Polyubiquitin Serves as a Recognition Signal, Rather than a Ratcheting Molecule, during Retrotranslocation of Proteins across the Endoplasmic Reticulum Membrane. Journal of Biological Chemistry, 2003, 278, 34774-34782.	1.6	87
106	Function of the p97–Ufd1–Npl4 complex in retrotranslocation from the ER to the cytosol. Journal of Cell Biology, 2003, 162, 71-84.	2.3	542
107	Structure of the Mammalian Ribosome–Channel Complex at 17à Resolution. Journal of Molecular Biology, 2002, 324, 871-886	2.0	96
108	Three-dimensional structure of the bacterial protein-translocation complex SecYEG. Nature, 2002, 418, 662-665.	13.7	237

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109	Role of ubiquitination in retroâ€translocation of cholera toxin and escape of cytosolic degradation. EMBO Reports, 2002, 3, 1222-1227.	2.0	135
110	Dissociation of the dimeric SecA ATPase during protein translocation across the bacterial membrane. EMBO Journal, 2002, 21, 4470-4479.	3.5	146
111	Ratcheting in post-translational protein translocation: a mathematical model11Edited by G. von Heijne. Journal of Molecular Biology, 2001, 305, 643-656.	2.0	50
112	The AAA ATPase Cdc48/p97 and its partners transport proteins from the ER into the cytosol. Nature, 2001, 414, 652-656.	13.7	1,025
113	Cargo of Kinesin Identified as Jip Scaffolding Proteins and Associated Signaling Molecules. Journal of Cell Biology, 2001, 152, 959-970.	2.3	556
114	Mutants Affecting the Structure of the Cortical Endoplasmic Reticulum in Saccharomyces cerevisiae. Journal of Cell Biology, 2000, 150, 461-474.	2.3	263
115	Spontaneous Release of Cytosolic Proteins from Posttranslational Substrates before Their Transport into the Endoplasmic Reticulum. Journal of Cell Biology, 2000, 151, 167-178.	2.3	81
116	In Vitro Formation of the Endoplasmic Reticulum Occurs Independently of Microtubules by a Controlled Fusion Reaction. Journal of Cell Biology, 2000, 148, 883-898.	2.3	182
117	The Structure of Ribosome-Channel Complexes Engaged in Protein Translocation. Molecular Cell, 2000, 6, 1219-1232.	4.5	209
118	The Sec61p Complex Mediates the Integration of a Membrane Protein by Allowing Lipid Partitioning of the Transmembrane Domain. Cell, 2000, 102, 233-244.	13.5	244
119	Ran is associated with chromosomes during starfish oocyte meiosis and embryonic mitoses. Zygote, 1999, 8, S91-S91.	0.5	0
120	The Pathway of Us11-Dependent Degradation of Mhc Class I Heavy Chains Involves a Ubiquitin-Conjugated Intermediate. Journal of Cell Biology, 1999, 147, 45-58.	2.3	139
121	A Visual Screen of a Gfp-Fusion Library Identifies a New Type of Nuclear Envelope Membrane Protein. Journal of Cell Biology, 1999, 146, 29-44.	2.3	172
122	BiP Acts as a Molecular Ratchet during Posttranslational Transport of Prepro-α Factor across the ER Membrane. Cell, 1999, 97, 553-564.	13.5	377
123	The bacterial SecY/E translocation complex forms channel-like structures similar to those of the eukaryotic sec61p complex 1 1Edited by W. Baumeister. Journal of Molecular Biology, 1999, 285, 1789-1800.	2.0	148
124	J Proteins Catalytically Activate Hsp70 Molecules to Trap a Wide Range of Peptide Sequences. Molecular Cell, 1998, 2, 593-603.	4.5	231
125	Protein Translocation: Tunnel Vision. Cell, 1998, 92, 381-390.	13.5	297
126	Signal Sequence Recognition in Posttranslational Protein Transport across the Yeast ER Membrane. Cell, 1998, 94, 795-807.	13.5	307

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127	Binding of Signal Recognition Particle Gives Ribosome/Nascent Chain Complexes a Competitive Advantage in Endoplasmic Reticulum Membrane Interaction. Molecular Biology of the Cell, 1998, 9, 103-115.	0.9	58
128	Signal Sequence Recognition in Cotranslational Translocation by Protein Components of the Endoplasmic Reticulum Membrane. Journal of Cell Biology, 1998, 142, 355-364.	2.3	66
129	Protein Transport by Purified Yeast Sec Complex and Kar2p Without Membranes. Science, 1997, 277, 938-941.	6.0	78
130	Molecular Mechanism of Membrane Protein Integration into the Endoplasmic Reticulum. Cell, 1997, 89, 523-533.	13.5	185
131	Protein Transport Across the Eukaryotic Endoplasmic Reticulum and Bacterial Inner Membranes. Annual Review of Biochemistry, 1996, 65, 271-303.	5.0	544
132	Oligomeric Rings of the Sec61p Complex Induced by Ligands Required for Protein Translocation. Cell, 1996, 87, 721-732.	13.5	326
133	Sec6l-mediated transfer of a membrane protein from the endoplasmic reticulum to the proteasome for destruction. Nature, 1996, 384, 432-438.	13.7	1,054
134	Posttranslational protein transport in yeast reconstituted with a purified complex of Sec proteins and Kar2p. Cell, 1995, 81, 561-570.	13.5	372
135	A posttargeting signal sequence recognition event in the endoplasmic reticulum membrane. Cell, 1995, 82, 261-270.	13.5	257
136	A protein of the endoplasmic reticulum involved early in polypeptide translocation. Nature, 1992, 357, 47-52.	13.7	310
137	A novel pathway for secretory proteins?. Trends in Biochemical Sciences, 1990, 15, 86-88.	3.7	285
138	tRNA-mediated labelling of proteins with biotin. A nonradioactive method for the detection of cell-free translation products. FEBS Journal, 1988, 172, 663-668.	0.2	49
139	A Linear Steady-State Treatment of Enzymatic Chains. General Properties, Control and Effector Strength. FEBS Journal, 1974, 42, 89-95.	0.2	1,160
140	Active Members. , 0, , 179-189.		0
141	Former Officers of the Harvey Society. , 0, , 153-168.		0