

Jeffrey L Brodsky

List of Publications by Year in descending order

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184
papers

12,613
citations

20759

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27345

106
g-index

188
all docs

188
docs citations

188
times ranked

11749
citing authors

#	ARTICLE	IF	CITATIONS
1	One step at a time: endoplasmic reticulum-associated degradation. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 944-957.	16.1	1,148
2	From CFTR biology toward combinatorial pharmacotherapy: expanded classification of cystic fibrosis mutations. <i>Molecular Biology of the Cell</i> , 2016, 27, 424-433.	0.9	446
3	The Delicate Balance Between Secreted Protein Folding and Endoplasmic Reticulum-Associated Degradation in Human Physiology. <i>Physiological Reviews</i> , 2012, 92, 537-576.	13.1	339
4	Cleaning Up: ER-Associated Degradation to the Rescue. <i>Cell</i> , 2012, 151, 1163-1167.	13.5	308
5	Molecular Chaperones in the Yeast Endoplasmic Reticulum Maintain the Solubility of Proteins for Retrotranslocation and Degradation. <i>Journal of Cell Biology</i> , 2001, 153, 1061-1070.	2.3	294
6	The Action of Molecular Chaperones in the Early Secretory Pathway. <i>Annual Review of Genetics</i> , 2001, 35, 149-191.	3.2	279
7	A Stress-Responsive System for Mitochondrial Protein Degradation. <i>Molecular Cell</i> , 2010, 40, 465-480.	4.5	275
8	Protein quality control in the secretory pathway. <i>Journal of Cell Biology</i> , 2019, 218, 3171-3187.	2.3	264
9	Hsp70 Molecular Chaperone Facilitates Endoplasmic Reticulum-associated Protein Degradation of Cystic Fibrosis Transmembrane Conductance Regulator in Yeast. <i>Molecular Biology of the Cell</i> , 2001, 12, 1303-1314.	0.9	260
10	The Requirement for Molecular Chaperones during Endoplasmic Reticulum-associated Protein Degradation Demonstrates That Protein Export and Import Are Mechanistically Distinct. <i>Journal of Biological Chemistry</i> , 1999, 274, 3453-3460.	1.6	251
11	The Recognition and Retrotranslocation of Misfolded Proteins from the Endoplasmic Reticulum. <i>Traffic</i> , 2008, 9, 861-870.	1.3	250
12	Dissecting the ER-Associated Degradation of a Misfolded Polytopic Membrane Protein. <i>Cell</i> , 2008, 132, 101-112.	13.5	242
13	Distinct Machinery Is Required in <i>Saccharomyces cerevisiae</i> for the Endoplasmic Reticulum-associated Degradation of a Multispanning Membrane Protein and a Soluble Luminal Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 38369-38378.	1.6	232
14	Evolving questions and paradigm shifts in endoplasmic-reticulum-associated degradation (ERAD). <i>BioEssays</i> , 2003, 25, 868-877.	1.2	210
15	Protein folding and quality control in the endoplasmic reticulum: Recent lessons from yeast and mammalian cell systems. <i>Current Opinion in Cell Biology</i> , 2011, 23, 464-475.	2.6	207
16	Hsp70 Molecular Chaperones: Emerging Roles in Human Disease and Identification of Small Molecule Modulators. <i>Current Topics in Medicinal Chemistry</i> , 2006, 6, 1215-1225.	1.0	199
17	Characterization of an ERAD Gene as VPS30/ATG6 Reveals Two Alternative and Functionally Distinct Protein Quality Control Pathways: One for Soluble Z Variant of Human I α -1 Proteinase Inhibitor (AIPiZ) and Another for Aggregates of AIPiZ. <i>Molecular Biology of the Cell</i> , 2006, 17, 203-212.	0.9	191
18	Small Molecule Modulators of Endogenous and Co-chaperone-stimulated Hsp70 ATPase Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 51131-51140.	1.6	190

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19	Regulation of Hsp70 Function by HspBP1. <i>Molecular Cell</i> , 2005, 17, 367-379.	4.5	185
20	The ER membrane protein complex interacts cotranslationally to enable biogenesis of multipass membrane proteins. <i>ELife</i> , 2018, 7, .	2.8	160
21	The molecular mechanisms underlying BiP-mediated gating of the Sec61 translocon of the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2005, 168, 389-399.	2.3	159
22	Selective compounds define Hsp90 as a major inhibitor of apoptosis in small-cell lung cancer. <i>Nature Chemical Biology</i> , 2007, 3, 498-507.	3.9	156
23	Roles of Molecular Chaperones in Endoplasmic Reticulum (ER) Quality Control and ER-Associated Degradation (ERAD). <i>Journal of Biochemistry</i> , 2005, 137, 551-555.	0.9	151
24	Distinct Roles for the Hsp40 and Hsp90 Molecular Chaperones during Cystic Fibrosis Transmembrane Conductance Regulator Degradation in Yeast. <i>Molecular Biology of the Cell</i> , 2004, 15, 4787-4797.	0.9	149
25	Binding of a Small Molecule at a Protein-Protein Interface Regulates the Chaperone Activity of Hsp70-Hsp40. <i>ACS Chemical Biology</i> , 2010, 5, 611-622.	1.6	149
26	The protective and destructive roles played by molecular chaperones during ERAD (endoplasmic-reticulum-associated degradation). <i>Biochemical Journal</i> , 2007, 404, 353-363.	1.7	134
27	Nucleotide Exchange Factor for the Yeast Hsp70 Molecular Chaperone Ssa1p. <i>Molecular and Cellular Biology</i> , 2002, 22, 4677-4689.	1.1	133
28	Select pyrimidinones inhibit the propagation of the malarial parasite, <i>Plasmodium falciparum</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1527-1533.	1.4	128
29	Apolipoprotein B100 Exit from the Endoplasmic Reticulum (ER) Is COPII-dependent, and Its Lipidation to Very Low Density Lipoprotein Occurs Post-ER. <i>Journal of Biological Chemistry</i> , 2003, 278, 48051-48058.	1.6	123
30	The evolving role of ubiquitin modification in endoplasmic reticulum-associated degradation. <i>Biochemical Journal</i> , 2017, 474, 445-469.	1.7	123
31	Real-Time Fluorescence Detection of ERAD Substrate Retrotranslocation in Mammalian In Vitro System. <i>Cell</i> , 2007, 129, 943-955.	13.5	122
32	Checkpoints in ER-associated degradation: excuse me, which way to the proteasome?. <i>Trends in Cell Biology</i> , 2004, 14, 474-478.	3.6	119
33	Apoprotein B Degradation Is Promoted by the Molecular Chaperones hsp90 and hsp70. <i>Journal of Biological Chemistry</i> , 2001, 276, 24891-24900.	1.6	117
34	A COPII subunit acts with an autophagy receptor to target endoplasmic reticulum for degradation. <i>Science</i> , 2019, 365, 53-60.	6.0	114
35	Synthesis and Initial Evaluation of YM-08, a Blood-Brain Barrier Permeable Derivative of the Heat Shock Protein 70 (Hsp70) Inhibitor MKT-077, Which Reduces Tau Levels. <i>ACS Chemical Neuroscience</i> , 2013, 4, 930-939.	1.7	109
36	Uncoupling retro-translocation and degradation in the ER-associated degradation of a soluble protein. <i>EMBO Journal</i> , 2004, 23, 2206-2215.	3.5	106

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37	Adapting to stress " chaperome networks in cancer. <i>Nature Reviews Cancer</i> , 2018, 18, 562-575.	12.8	105
38	Small Heat-Shock Proteins Select F508-CFTR for Endoplasmic Reticulum-associated Degradation. <i>Molecular Biology of the Cell</i> , 2007, 18, 806-814.	0.9	104
39	HspBP1, a homologue of the yeast Fes1 and Sls1 proteins, is an Hsc70 nucleotide exchange factor. <i>FEBS Letters</i> , 2002, 531, 339-342.	1.3	100
40	Chaperoning Endoplasmic Reticulum-associated Degradation (ERAD) and Protein Conformational Diseases. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a033928.	2.3	100
41	Molecular pathogenesis of alpha-1-antitrypsin deficiency-associated liver disease: A meeting review. <i>Hepatology</i> , 2007, 45, 1313-1323.	3.6	95
42	A Precursor-specific Role for Hsp40/Hsc70 during Tail-anchored Protein Integration at the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2008, 283, 27504-27513.	1.6	95
43	Dependence of Endoplasmic Reticulum-associated Degradation on the Peptide Binding Domain and Concentration of BiP. <i>Molecular Biology of the Cell</i> , 2003, 14, 3437-3448.	0.9	94
44	Pyrimidinone-peptoid hybrid molecules with distinct effects on molecular chaperone function and cell proliferation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3291-3301.	1.4	90
45	Substrate-specific mediators of ER associated degradation (ERAD). <i>Current Opinion in Cell Biology</i> , 2009, 21, 516-521.	2.6	88
46	Specific Arrestins Negatively Regulate <i>Saccharomyces cerevisiae</i> Pheromone Response by Down-Modulating the G-Protein-Coupled Receptor Ste2. <i>Molecular and Cellular Biology</i> , 2014, 34, 2660-2681.	1.1	87
47	Autophagy: an ER Protein Quality Control Process. <i>Autophagy</i> , 2006, 2, 135-137.	4.3	86
48	The proteolytic landscape of the yeast vacuole. <i>Cellular Logistics</i> , 2014, 4, e28023.	0.9	85
49	The Function of the Yeast Molecular Chaperone Sse1 Is Mechanistically Distinct from the Closely Related Hsp70 Family. <i>Journal of Biological Chemistry</i> , 2004, 279, 21992-22001.	1.6	84
50	The Endoplasmic Reticulum-associated Degradation of the Epithelial Sodium Channel Requires a Unique Complement of Molecular Chaperones. <i>Molecular Biology of the Cell</i> , 2010, 21, 1047-1058.	0.9	81
51	Specific Molecular Chaperone Interactions and an ATP-dependent Conformational Change Are Required during Posttranslational Protein Translocation into the Yeast ER. <i>Molecular Biology of the Cell</i> , 1998, 9, 3533-3545.	0.9	76
52	Overexpression of Yeast Hsp110 Homolog Sse1p Suppresses ydj1-151 Thermosensitivity and Restores Hsp90-dependent Activity. <i>Molecular Biology of the Cell</i> , 2002, 13, 2760-2770.	0.9	76
53	Species-Specific Elements in the Large T-Antigen J Domain Are Required for Cellular Transformation and DNA Replication by Simian Virus 40. <i>Molecular and Cellular Biology</i> , 2000, 20, 5749-5757.	1.1	75
54	Hsp70 Targets a Cytoplasmic Quality Control Substrate to the San1p Ubiquitin Ligase. <i>Journal of Biological Chemistry</i> , 2013, 288, 18506-18520.	1.6	74

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55	The many intersecting pathways underlying apolipoprotein B secretion and degradation. <i>Trends in Endocrinology and Metabolism</i> , 2008, 19, 254-259.	3.1	73
56	Antimyeloma Effects of the Heat Shock Protein 70 Molecular Chaperone Inhibitor MAL3-101. <i>Journal of Oncology</i> , 2011, 2011, 1-11.	0.6	72
57	The activities and function of molecular chaperones in the endoplasmic reticulum. <i>Seminars in Cell and Developmental Biology</i> , 2007, 18, 751-761.	2.3	70
58	The Hsp110 Molecular Chaperone Stabilizes Apolipoprotein B from Endoplasmic Reticulum-associated Degradation (ERAD). <i>Journal of Biological Chemistry</i> , 2007, 282, 32665-32675.	1.6	66
59	ER-Phagy, ER Homeostasis, and ER Quality Control: Implications for Disease. <i>Trends in Biochemical Sciences</i> , 2021, 46, 630-639.	3.7	65
60	Degradation of Mutated Bovine Pancreatic Trypsin Inhibitor in the Yeast Vacuole Suggests Post-endoplasmic Reticulum Protein Quality Control. <i>Journal of Biological Chemistry</i> , 2004, 279, 15289-15297.	1.6	64
61	How early studies on secreted and membrane protein quality control gave rise to the ER associated degradation (ERAD) pathway: The early history of ERAD. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2447-2457.	1.9	64
62	Chemical methodology as a source of small-molecule checkpoint inhibitors and heat shock protein 70 (Hsp70) modulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6757-6762.	3.3	63
63	Chemical Induction of Hsp70 Reduces α -Synuclein Aggregation in Neuroglioma Cells. <i>ACS Chemical Biology</i> , 2013, 8, 1460-1468.	1.6	61
64	Identification of an Inhibitor of hsc70-mediated Protein Translocation and ATP Hydrolysis. <i>Journal of Biological Chemistry</i> , 2001, 276, 910-914.	1.6	60
65	Protein disulfide isomerases contribute differentially to the endoplasmic reticulum-associated degradation of apolipoprotein B and other substrates. <i>Molecular Biology of the Cell</i> , 2012, 23, 520-532.	0.9	59
66	Golgi-associated Maturation of Very Low Density Lipoproteins Involves Conformational Changes in Apolipoprotein B, but Is Not Dependent on Apolipoprotein E. <i>Journal of Biological Chemistry</i> , 2007, 282, 19453-19462.	1.6	57
67	Identification of an Allosteric Small-Molecule Inhibitor Selective for the Inducible Form of Heat Shock Protein 70. <i>Chemistry and Biology</i> , 2014, 21, 1648-1659.	6.2	54
68	The yeast Hsp110, Sse1p, exhibits high-affinity peptide binding. <i>FEBS Letters</i> , 2008, 582, 2393-2396.	1.3	53
69	Selectivity of the molecular chaperone-specific immunosuppressive agent 15-deoxyspergualin. <i>Biochemical Pharmacology</i> , 1999, 57, 877-880.	2.0	50
70	Hsp70 and Hsp90 Multichaperone Complexes Sequentially Regulate Thiazide-sensitive Cotransporter Endoplasmic Reticulum-associated Degradation and Biogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 13124-13135.	1.6	50
71	Heat Shock Protein 70 Inhibitors. 1. 2,5-Di-thiodipyrimidine and 5-(Phenylthio)pyrimidine Acrylamides as Irreversible Binders to an Allosteric Site on Heat Shock Protein 70. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1188-1207.	2.9	50
72	Mutation of the ATP-Binding Pocket of <i>SSA1</i> Indicates That a Functional Interaction Between Ssa1p and Ydj1p Is Required for Post-translational Translocation Into the Yeast Endoplasmic Reticulum. <i>Genetics</i> , 2000, 156, 501-512.	1.2	50

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73	The Lhs1/GRP170 Chaperones Facilitate the Endoplasmic Reticulum-associated Degradation of the Epithelial Sodium Channel. <i>Journal of Biological Chemistry</i> , 2013, 288, 18366-18380.	1.6	47
74	The HSP70 Modulator MAL3-101 Inhibits Merkel Cell Carcinoma. <i>PLoS ONE</i> , 2014, 9, e92041.	1.1	47
75	The Endosomal Protein-Sorting Receptor Sortilin Has a Role in Trafficking α -1 Antitrypsin. <i>Genetics</i> , 2012, 192, 889-903.	1.2	46
76	The Thiazide-sensitive NaCl Cotransporter Is Targeted for Chaperone-dependent Endoplasmic Reticulum-associated Degradation. <i>Journal of Biological Chemistry</i> , 2011, 286, 43611-43621.	1.6	45
77	Cysteine String Protein Monitors Late Steps in Cystic Fibrosis Transmembrane Conductance Regulator Biogenesis. <i>Journal of Biological Chemistry</i> , 2006, 281, 11312-11321.	1.6	44
78	Inhibition of Simian Virus 40 replication by targeting the molecular chaperone function and ATPase activity of T antigen. <i>Virus Research</i> , 2009, 141, 71-80.	1.1	43
79	J Domain Co-chaperone Specificity Defines the Role of BiP during Protein Translocation. <i>Journal of Biological Chemistry</i> , 2010, 285, 22484-22494.	1.6	43
80	Small Heat Shock Protein α -crystallin Regulates Epithelial Sodium Channel Expression. <i>Journal of Biological Chemistry</i> , 2007, 282, 28149-28156.	1.6	39
81	FK506 Binding Protein 8 Peptidylprolyl Isomerase Activity Manages a Late Stage of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Folding and Stability. <i>Journal of Biological Chemistry</i> , 2012, 287, 21914-21925.	1.6	37
82	Alpha-arrestins participate in cargo selection for both clathrin-independent and clathrin-mediated endocytosis. <i>Journal of Cell Science</i> , 2015, 128, 4220-34.	1.2	36
83	Endoplasmic reticulum-associated degradation of the renal potassium channel, ROMK, leads to type II Bartter syndrome. <i>Journal of Biological Chemistry</i> , 2017, 292, 12813-12827.	1.6	35
84	Autophagy Is Required for Sortilin-Mediated Degradation of Apolipoprotein B100. <i>Circulation Research</i> , 2018, 122, 568-582.	2.0	35
85	A stalled retrotranslocation complex reveals physical linkage between substrate recognition and proteasomal degradation during ER-associated degradation. <i>Molecular Biology of the Cell</i> , 2013, 24, 1765-1775.	0.9	33
86	Combined chemical-genetic approach identifies cytosolic HSP70 dependence in rhabdomyosarcoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9015-9020.	3.3	33
87	UBE3B Is a Calmodulin-regulated, Mitochondrion-associated E3 Ubiquitin Ligase. <i>Journal of Biological Chemistry</i> , 2017, 292, 2470-2484.	1.6	33
88	Use of Yeast as a Model System to Investigate Protein Conformational Diseases. <i>Molecular Biotechnology</i> , 2005, 30, 171-180.	1.3	31
89	Membrane Protein Properties Revealed through Data-Rich Electrostatics Calculations. <i>Structure</i> , 2015, 23, 1526-1537.	1.6	31
90	Regulation of CFTR Biogenesis by the Proteostatic Network and Pharmacological Modulators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 452.	1.8	31

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91	Mutagenesis of a functional chimeric gene in yeast identifies mutations in the simian virus 40 large T antigen J domain. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2002-2007.	3.3	29
92	A Soluble Sulfogalactosyl Ceramide Mimic Promotes $\hat{\text{T}}^{\text{F508}}$ CFTR Escape from Endoplasmic Reticulum Associated Degradation. Chemistry and Biology, 2009, 16, 461-470.	6.2	29
93	CFTR Expression and ER-Associated Degradation in Yeast. , 2002, 70, 257-266.		28
94	Trafficking and function of the cystic fibrosis transmembrane conductance regulator: a complex network of posttranslational modifications. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L719-L733.	1.3	28
95	<i>ADD66</i> , a Gene Involved in the Endoplasmic Reticulum-associated Degradation of $\hat{\text{I}}^{\pm}$ -1-Antitrypsin-Z in Yeast, Facilitates Proteasome Activity and Assembly. Molecular Biology of the Cell, 2007, 18, 3776-3787.	0.9	27
96	Insulin-Stimulated Degradation of Apolipoprotein B100: Roles of Class II Phosphatidylinositol-3-Kinase and Autophagy. PLoS ONE, 2013, 8, e57590.	1.1	27
97	Recent technical developments in the study of ER-associated degradation. Current Opinion in Cell Biology, 2014, 29, 82-91.	2.6	27
98	Targeting protein quality control pathways in breast cancer. BMC Biology, 2017, 15, 109.	1.7	27
99	Substrate Insolubility Dictates Hsp104-Dependent Endoplasmic-Reticulum-Associated Degradation. Molecular Cell, 2018, 70, 242-253.e6.	4.5	27
100	Chaperoning the maturation of the cystic fibrosis transmembrane conductance regulator. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L39-L42.	1.3	26
101	The Hsp40 Molecular Chaperone Ydj1p, Along With the Protein Kinase C Pathway, Affects Cell-Wall Integrity in the Yeast <i>Saccharomyces cerevisiae</i> . Genetics, 2007, 175, 1649-1664.	1.2	26
102	Expression of a Malarial Hsp70 Improves Defects in Chaperone-Dependent Activities in <i>ssa1</i> Mutant Yeast. PLoS ONE, 2011, 6, e20047.	1.1	26
103	Differential requirements of novel A1PiZ degradation deficient (ADD) genes in ER-associated protein degradation. Journal of Cell Science, 2003, 116, 2361-2373.	1.2	25
104	The BiP Molecular Chaperone Plays Multiple Roles during the Biogenesis of TorsinA, an AAA+ ATPase Associated with the Neurological Disease Early-onset Torsion Dystonia. Journal of Biological Chemistry, 2014, 289, 12727-12747.	1.6	25
105	<i>N</i> -Acetyl-L-Cysteine Protects Astrocytes against Proteotoxicity without Recourse to Glutathione. Molecular Pharmacology, 2017, 92, 564-575.	1.0	25
106	ESCRT regulates surface expression of the Kir2.1 potassium channel. Molecular Biology of the Cell, 2014, 25, 276-289.	0.9	24
107	The degradation pathway of a model misfolded protein is determined by aggregation propensity. Molecular Biology of the Cell, 2018, 29, 1422-1434.	0.9	24
108	Vesicular Trafficking of Hepatic Apolipoprotein B100 and Its Maturation to Very Low-Density Lipoprotein Particles Studies from Cells and Cell-free Systems. Trends in Cardiovascular Medicine, 2004, 14, 127-132.	2.3	23

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109	Interactions between intersubunit transmembrane domains regulate the chaperone-dependent degradation of an oligomeric membrane protein. <i>Biochemical Journal</i> , 2017, 474, 357-376.	1.7	23
110	Increasing the Endoplasmic Reticulum Pool of the F508del Allele of the Cystic Fibrosis Transmembrane Conductance Regulator Leads to Greater Folding Correction by Small Molecule Therapeutics. <i>PLoS ONE</i> , 2016, 11, e0163615.	1.1	23
111	Transmembrane helix hydrophobicity is an energetic barrier during the retrotranslocation of integral membrane ERAD substrates. <i>Molecular Biology of the Cell</i> , 2017, 28, 2076-2090.	0.9	22
112	Localization of the BiP Molecular Chaperone with Respect to Endoplasmic Reticulum Foci Containing the Cystic Fibrosis Transmembrane Conductance Regulator in Yeast. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 545-548.	1.3	21
113	Design of a fluorescence polarization assay platform for the study of human Hsp70. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3749-3751.	1.0	21
114	Dihydropyrimidinones and -thiones with improved activity against human polyomavirus family members. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5087-5091.	1.0	21
115	The Targeting of Native Proteins to the Endoplasmic Reticulum-Associated Degradation (ERAD) Pathway: An Expanding Repertoire of Regulated Substrates. <i>Biomolecules</i> , 2021, 11, 1185.	1.8	21
116	The Mammalian Hsp40 ERdj3 Requires Its Hsp70 Interaction and Substrate-binding Properties to Complement Various Yeast Hsp40-dependent Functions. <i>Journal of Biological Chemistry</i> , 2009, 284, 32462-32471.	1.6	19
117	A Regulator of Secretory Vesicle Size, Kelch-Like Protein 12, Facilitates the Secretion of Apolipoprotein B100 and Very-Low-Density Lipoproteins. <i>Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 251-254.	1.1	19
118	Mutations in the Yeast Hsp70, Ssa1, at P417 Alter ATP Cycling, Interdomain Coupling, and Specific Chaperone Functions. <i>Journal of Molecular Biology</i> , 2015, 427, 2948-2965.	2.0	18
119	A screen for modulators of large T antigen's ATPase activity uncovers novel inhibitors of Simian Virus 40 and BK virus replication. <i>Antiviral Research</i> , 2012, 96, 70-81.	1.9	17
120	Symmetry breaking during homodimeric assembly activates an E3 ubiquitin ligase. <i>Scientific Reports</i> , 2017, 7, 1789.	1.6	17
121	Epithelial sodium channel biogenesis and quality control in the early secretory pathway. <i>Current Opinion in Nephrology and Hypertension</i> , 2018, 27, 364-372.	1.0	17
122	Select β -arrestins control cell-surface abundance of the mammalian Kir2.1 potassium channel in a yeast model. <i>Journal of Biological Chemistry</i> , 2018, 293, 11006-11021.	1.6	17
123	Synthesis and evaluation of esterified Hsp70 agonists in cellular models of protein aggregation and folding. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 79-91.	1.4	17
124	<i>Saccharomyces cerevisiae</i> as a model system for kidney disease: what can yeast tell us about renal function?. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F1-F11.	1.3	16
125	Compensation of select proteostasis networks after Hsp70 inhibition in cancer. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	16
126	Hsp104 facilitates the endoplasmic reticulum-associated degradation of disease-associated and aggregation-prone substrates. <i>Protein Science</i> , 2019, 28, 1290-1306.	3.1	16

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127	Post-translational import of protein into the endoplasmic reticulum of a trypanosome: an <i>in vitro</i> system for discovery of anti-trypanosomal chemical entities. <i>Biochemical Journal</i> , 2009, 419, 507-517.	1.7	15
128	Structural Basis for the Inhibitory Effects of Ubistatins in the Ubiquitin-Proteasome Pathway. <i>Structure</i> , 2017, 25, 1839-1855.e11.	1.6	15
129	Stability and function of the Sec61 translocation complex depends on the Sss1p tail-anchor sequence. <i>Biochemical Journal</i> , 2011, 436, 291-303.	1.7	13
130	The endosomal trafficking factors CORVET and ESCRT suppress plasma membrane residence of the renal outer medullary potassium channel (ROMK). <i>Journal of Biological Chemistry</i> , 2018, 293, 3201-3217.	1.6	13
131	Direct involvement of Hsp70 ATP hydrolysis in Ubr1-dependent quality control. <i>Molecular Biology of the Cell</i> , 2020, 31, 2669-2686.	0.9	13
132	High-Throughput Screening Identifies a Bisphenol Inhibitor of SV40 Large T Antigen ATPase Activity. <i>Journal of Biomolecular Screening</i> , 2012, 17, 194-203.	2.6	12
133	A Combination Therapy for Cystic Fibrosis. <i>Cell</i> , 2015, 163, 17.	13.5	12
134	Can modulators of apolipoproteinB biogenesis serve as an alternate target for cholesterol-lowering drugs?. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 762-771.	1.2	12
135	Unique integrated stress response sensors regulate cancer cell susceptibility when Hsp70 activity is compromised. <i>ELife</i> , 2021, 10, .	2.8	12
136	Assays to Measure ER-Associated Degradation in Yeast. <i>Methods in Molecular Biology</i> , 2012, 832, 505-518.	0.4	12
137	Tipping the Delicate Balance: Defining How Proteasome Maturation Affects the Degradation of a Substrate for Autophagy and Endoplasmic Reticulum Associated Degradation (ERAD). <i>Autophagy</i> , 2007, 3, 623-625.	4.3	11
138	Identification of Hsp70 modulators through modeling of the substrate binding domain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3828-3831.	1.0	11
139	A novel high-throughput yeast genetic screen for factors modifying protein levels of the Early-Onset Torsion Dystonia-associated variant torsinA ^E . <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1129-1140.	1.2	11
140	The molecular chaperone GRP170 protects against ER stress and acute kidney injury in mice. <i>JCI Insight</i> , 2022, 7, .	2.3	11
141	Mechanisms Underlying the Cellular Clearance of Antitrypsin Z: Lessons from Yeast Expression Systems. <i>Proceedings of the American Thoracic Society</i> , 2010, 7, 363-367.	3.5	10
142	The Special Delivery of a Tail-Anchored Protein: Why It Pays to Use a Dedicated Courier. <i>Molecular Cell</i> , 2010, 40, 5-7.	4.5	10
143	Synthesis and structure-activity relationships of small molecule inhibitors of the simian virus 40 T antigen oncoprotein, an anti-polyomaviral target. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6490-6502.	1.4	10
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