

Randal J Kaufman

List of Publications by Citations

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169
papers

35,286
citations

82
h-index

181
g-index

181
ext. papers

39,533
ext. citations

13.9
avg, IF

7.65
L-index

#	Paper	IF	Citations
169	The mammalian unfolded protein response. <i>Annual Review of Biochemistry</i> , 2005 , 74, 739-89	29.1	2409
168	From endoplasmic-reticulum stress to the inflammatory response. <i>Nature</i> , 2008 , 454, 455-62	50.4	1423
167	Endoplasmic reticulum stress and oxidative stress: a vicious cycle or a double-edged sword?. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 2277-93	8.4	1147
166	A trip to the ER: coping with stress. <i>Trends in Cell Biology</i> , 2004 , 14, 20-8	18.3	1132
165	Translational control is required for the unfolded protein response and in vivo glucose homeostasis. <i>Molecular Cell</i> , 2001 , 7, 1165-76	17.6	1087
164	Human GM-CSF: molecular cloning of the complementary DNA and purification of the natural and recombinant proteins. <i>Science</i> , 1985 , 228, 810-5	33.3	1040
163	ER-stress-induced transcriptional regulation increases protein synthesis leading to cell death. <i>Nature Cell Biology</i> , 2013 , 15, 481-90	23.4	976
162	Isolation and characterization of genomic and cDNA clones of human erythropoietin. <i>Nature</i> , 1985 , 313, 806-10	50.4	935
161	Orchestrating the unfolded protein response in health and disease. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1389-1398	15.9	863
160	Molecular cloning of a cDNA encoding human antihemophilic factor. <i>Nature</i> , 1984 , 312, 342-7	50.4	828
159	Protein misfolding in the endoplasmic reticulum as a conduit to human disease. <i>Nature</i> , 2016 , 529, 326-35	50.4	777
158	IRE1-mediated unconventional mRNA splicing and S2P-mediated ATF6 cleavage merge to regulate XBP1 in signaling the unfolded protein response. <i>Genes and Development</i> , 2002 , 16, 452-66	12.6	772
157	Endoplasmic reticulum stress in liver disease. <i>Journal of Hepatology</i> , 2011 , 54, 795-809	13.4	769
156	The impact of the unfolded protein response on human disease. <i>Journal of Cell Biology</i> , 2012 , 197, 857-67	7.3	675
155	The impact of the endoplasmic reticulum protein-folding environment on cancer development. <i>Nature Reviews Cancer</i> , 2014 , 14, 581-97	31.3	674
154	Endoplasmic reticulum stress activates cleavage of CREBH to induce a systemic inflammatory response. <i>Cell</i> , 2006 , 124, 587-99	56.2	632
153	Adaptation to ER stress is mediated by differential stabilities of pro-survival and pro-apoptotic mRNAs and proteins. <i>PLoS Biology</i> , 2006 , 4, e374	9.7	588

152	A time-dependent phase shift in the mammalian unfolded protein response. <i>Developmental Cell</i> , 2003 , 4, 265-71	10.2	565
151	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. <i>EMBO Journal</i> , 2005 , 24, 3470-81	13	563
150	Complementary signaling pathways regulate the unfolded protein response and are required for <i>C. elegans</i> development. <i>Cell</i> , 2001 , 107, 893-903	56.2	555
149	Antioxidants reduce endoplasmic reticulum stress and improve protein secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18525-30	11.5	518
148	Chop deletion reduces oxidative stress, improves beta cell function, and promotes cell survival in multiple mouse models of diabetes. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3378-89	15.9	514
147	ATF6alpha optimizes long-term endoplasmic reticulum function to protect cells from chronic stress. <i>Developmental Cell</i> , 2007 , 13, 351-64	10.2	504
146	Translational repression mediates activation of nuclear factor kappa B by phosphorylated translation initiation factor 2. <i>Molecular and Cellular Biology</i> , 2004 , 24, 10161-8	4.8	496
145	The unfolded protein response in nutrient sensing and differentiation. <i>Nature Reviews Molecular Cell Biology</i> , 2002 , 3, 411-21	48.7	487
144	Orchestrating the unfolded protein response in health and disease. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1389-98	15.9	482
143	Thioredoxin-interacting protein mediates ER stress-induced cell death through initiation of the inflammasome. <i>Cell Metabolism</i> , 2012 , 16, 265-73	24.6	461
142	UPR pathways combine to prevent hepatic steatosis caused by ER stress-mediated suppression of transcriptional master regulators. <i>Developmental Cell</i> , 2008 , 15, 829-40	10.2	436
141	The unfolded protein response: a pathway that links insulin demand with beta-cell failure and diabetes. <i>Endocrine Reviews</i> , 2008 , 29, 317-33	27.2	418
140	The unfolded protein response in immunity and inflammation. <i>Nature Reviews Immunology</i> , 2016 , 16, 469-84	36.5	385
139	Endoplasmic reticulum stress and type 2 diabetes. <i>Annual Review of Biochemistry</i> , 2012 , 81, 767-93	29.1	381
138	Mutations in the ER-Golgi intermediate compartment protein ERGIC-53 cause combined deficiency of coagulation factors V and VIII. <i>Cell</i> , 1998 , 93, 61-70	56.2	372
137	eIF2alpha phosphorylation bidirectionally regulates the switch from short- to long-term synaptic plasticity and memory. <i>Cell</i> , 2007 , 129, 195-206	56.2	359
136	Mechanisms, regulation and functions of the unfolded protein response. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 421-438	48.7	354
135	Control of mRNA translation preserves endoplasmic reticulum function in beta cells and maintains glucose homeostasis. <i>Nature Medicine</i> , 2005 , 11, 757-64	50.5	313

134	Cytoprotection by pre-emptive conditional phosphorylation of translation initiation factor 2. <i>EMBO Journal</i> , 2004 , 23, 169-79	13	304
133	Differential contributions of ATF6 and XBP1 to the activation of endoplasmic reticulum stress-responsive cis-acting elements ERSE, UPRE and ERSE-II. <i>Journal of Biochemistry</i> , 2004 , 136, 343-50 ^{3,1}		302
132	Ligand-independent dimerization activates the stress response kinases IRE1 and PERK in the lumen of the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2000 , 275, 24881-5	5.4	297
131	Derlin-2 and Derlin-3 are regulated by the mammalian unfolded protein response and are required for ER-associated degradation. <i>Journal of Cell Biology</i> , 2006 , 172, 383-93	7.3	285
130	ER stress cooperates with hypernutrition to trigger TNF-dependent spontaneous HCC development. <i>Cancer Cell</i> , 2014 , 26, 331-343	24.3	284
129	Heterodimeric bone morphogenetic proteins show enhanced activity in vitro and in vivo. <i>Growth Factors</i> , 1996 , 13, 291-300	1.6	281
128	Translation attenuation through eIF2alpha phosphorylation prevents oxidative stress and maintains the differentiated state in beta cells. <i>Cell Metabolism</i> , 2009 , 10, 13-26	24.6	272
127	The role of ER stress in lipid metabolism and lipotoxicity. <i>Journal of Lipid Research</i> , 2016 , 57, 1329-38	6.3	265
126	A role for presenilin-1 in nuclear accumulation of Ire1 fragments and induction of the mammalian unfolded protein response. <i>Cell</i> , 1999 , 99, 691-702	56.2	261
125	The unfolded protein response transducer IRE1 β prevents ER stress-induced hepatic steatosis. <i>EMBO Journal</i> , 2011 , 30, 1357-75	13	251
124	The crystal structure of human IRE1 luminal domain reveals a conserved dimerization interface required for activation of the unfolded protein response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 14343-8	11.5	250
123	ER stress controls iron metabolism through induction of hepcidin. <i>Science</i> , 2009 , 325, 877-80	33.3	245
122	Bleeding due to disruption of a cargo-specific ER-to-Golgi transport complex. <i>Nature Genetics</i> , 2003 , 34, 220-5	36.3	243
121	The unfolded protein response sensor IRE1 α s required at 2 distinct steps in B cell lymphopoiesis. <i>Journal of Clinical Investigation</i> , 2005 , 115, 268-281	15.9	240
120	Molecular characterization and expression of the gene encoding human erythroid-potentiating activity. <i>Nature</i> , 1985 , 315, 768-71	50.4	239
119	Structure of pre-pro-von Willebrand factor and its expression in heterologous cells. <i>Nature</i> , 1986 , 324, 270-3	50.4	194
118	Ppp1r15 gene knockout reveals an essential role for translation initiation factor 2 alpha (eIF2alpha) dephosphorylation in mammalian development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1832-7	11.5	181
117	Genetic interactions due to constitutive and inducible gene regulation mediated by the unfolded protein response in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2005 , 1, e37	6	181

116	ATF6alpha induces XBP1-independent expansion of the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2009 , 122, 1626-36	5.3	174
115	The zipper model of translational control: a small upstream ORF is the switch that controls structural remodeling of an mRNA leader. <i>Cell</i> , 2003 , 113, 519-31	56.2	173
114	The role of p58IPK in protecting the stressed endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , 2007 , 18, 3681-91	3.5	168
113	The unfolded protein response sensor IRE1alpha is required at 2 distinct steps in B cell lymphopoiesis. <i>Journal of Clinical Investigation</i> , 2005 , 115, 268-81	15.9	165
112	Bioengineering of coagulation factor VIII for improved secretion. <i>Blood</i> , 2004 , 103, 3412-9	2.2	159
111	Expression and characterization of bone morphogenetic protein-2 in Chinese hamster ovary cells. <i>Growth Factors</i> , 1992 , 7, 139-50	1.6	156
110	IRE1/XBP1s induces PDI expression to increase MTP activity for hepatic VLDL assembly and lipid homeostasis. <i>Cell Metabolism</i> , 2012 , 16, 473-86	24.6	152
109	ATF6 Decreases Myocardial Ischemia/Reperfusion Damage and Links ER Stress and Oxidative Stress Signaling Pathways in the Heart. <i>Circulation Research</i> , 2017 , 120, 862-875	15.7	150
108	Mutations in the unfolded protein response regulator ATF6 cause the cone dysfunction disorder achromatopsia. <i>Nature Genetics</i> , 2015 , 47, 757-65	36.3	143
107	Regulation of mRNA translation by protein folding in the endoplasmic reticulum. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 152-8	10.3	142
106	Calcium trafficking integrates endoplasmic reticulum function with mitochondrial bioenergetics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 2233-9	4.9	136
105	Endoplasmic reticulum-tethered transcription factor cAMP responsive element-binding protein, hepatocyte specific, regulates hepatic lipogenesis, fatty acid oxidation, and lipolysis upon metabolic stress in mice. <i>Hepatology</i> , 2012 , 55, 1070-82	11.2	135
104	Translational control of mGluR-dependent long-term depression and object-place learning by eIF2 β . <i>Nature Neuroscience</i> , 2014 , 17, 1073-82	25.5	131
103	Toll-like receptor-mediated IRE1 β activation as a therapeutic target for inflammatory arthritis. <i>EMBO Journal</i> , 2013 , 32, 2477-90	13	129
102	Senescence-associated secretory phenotype contributes to pathological angiogenesis in retinopathy. <i>Science Translational Medicine</i> , 2016 , 8, 362ra144	17.5	124
101	Regulation of apoptosis by the unfolded protein response. <i>Methods in Molecular Biology</i> , 2009 , 559, 191-204	12.4	124
100	Differential interaction of coagulation factor VIII and factor V with protein chaperones calnexin and calreticulin. <i>Journal of Biological Chemistry</i> , 1998 , 273, 8537-44	5.4	116
99	A crucial role for RACK1 in the regulation of glucose-stimulated IRE1alpha activation in pancreatic beta cells. <i>Science Signaling</i> , 2010 , 3, ra7	8.8	115

98	Non-canonical function of IRE1 α determines mitochondria-associated endoplasmic reticulum composition to control calcium transfer and bioenergetics. <i>Nature Cell Biology</i> , 2019 , 21, 755-767	23.4	110
97	Ultraviolet light activates NF κ B through translational inhibition of IkappaB α synthesis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 34898-902	5.4	110
96	Double-stranded RNA-dependent protein kinase phosphorylation of the alpha-subunit of eukaryotic translation initiation factor 2 mediates apoptosis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 21458-21468	5.4	108
95	Pancreatic Cancer-Derived Exosomes Cause Paraneoplastic β cell Dysfunction. <i>Clinical Cancer Research</i> , 2015 , 21, 1722-33	12.9	106
94	Mannose-dependent endoplasmic reticulum (ER)-Golgi intermediate compartment-53-mediated ER to Golgi trafficking of coagulation factors V and VIII. <i>Journal of Biological Chemistry</i> , 1999 , 274, 32539-42	5.4	97
93	The protein kinase/endoribonuclease IRE1 α that signals the unfolded protein response has a luminal N-terminal ligand-independent dimerization domain. <i>Journal of Biological Chemistry</i> , 2002 , 277, 18346-56	5.4	94
92	The IRE1/XBP1s Pathway Is Essential for the Glucose Response and Protection of β Cells. <i>PLoS Biology</i> , 2015 , 13, e1002277	9.7	94
91	Combined deficiency of factor V and factor VIII is due to mutations in either LMAN1 or MCFD2. <i>Blood</i> , 2006 , 107, 1903-7	2.2	90
90	Cleavage of Factor V at Arg 506 by Activated Protein C and the Expression of Anticoagulant Activity of Factor V. <i>Blood</i> , 1999 , 93, 2552-2558	2.2	87
89	Biosynthesis, structure, and folding of the insulin precursor protein. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20 Suppl 2, 28-50	6.7	85
88	Unfolded protein response-induced ERdj3 secretion links ER stress to extracellular proteostasis. <i>EMBO Journal</i> , 2015 , 34, 4-19	13	83
87	Mutagenesis of a potential immunoglobulin-binding protein-binding site enhances secretion of coagulation factor VIII. <i>Journal of Biological Chemistry</i> , 1997 , 272, 24121-4	5.4	79
86	Two homologues encoding human UDP-glucose:glycoprotein glucosyltransferase differ in mRNA expression and enzymatic activity. <i>Biochemistry</i> , 2000 , 39, 2149-63	3.2	76
85	Physiological/pathological ramifications of transcription factors in the unfolded protein response. <i>Genes and Development</i> , 2017 , 31, 1417-1438	12.6	73
84	Interplay between the oxidoreductase PDIA6 and microRNA-322 controls the response to disrupted endoplasmic reticulum calcium homeostasis. <i>Science Signaling</i> , 2014 , 7, ra54	8.8	71
83	Potential role of PKR in double-stranded RNA-induced macrophage activation. <i>EMBO Journal</i> , 2000 , 19, 3630-8	13	69
82	Substrate-specific requirements for UGT1-dependent release from calnexin. <i>Molecular Cell</i> , 2007 , 27, 238-249	17.6	68
81	Glucose activates a protein phosphatase-1-mediated signaling pathway to enhance overall translation in pancreatic beta-cells. <i>Endocrinology</i> , 2007 , 148, 609-17	4.8	67

80	The levels of endoplasmic reticulum proteins and ATP affect folding and secretion of selective proteins. <i>Biologicals</i> , 1994 , 22, 103-12	1.8	65
79	Identification and functional requirement of Cu(I) and its ligands within coagulation factor VIII. <i>Journal of Biological Chemistry</i> , 1997 , 272, 27428-34	5.4	62
78	C/EBP homologous protein-induced macrophage apoptosis protects mice from steatohepatitis. <i>Journal of Biological Chemistry</i> , 2013 , 288, 18624-42	5.4	61
77	Gut microbiota dependent anti-tumor immunity restricts melanoma growth in Rnf5 mice. <i>Nature Communications</i> , 2019 , 10, 1492	17.4	58
76	Cleavage requirements for activation of factor V by factor Xa. <i>FEBS Journal</i> , 1997 , 247, 12-20		58
75	IRE1 β prevents hepatic steatosis by processing and promoting the degradation of select microRNAs. <i>Science Signaling</i> , 2018 , 11,	8.8	54
74	Rescue of Glaucomatous Neurodegeneration by Differentially Modulating Neuronal Endoplasmic Reticulum Stress Molecules. <i>Journal of Neuroscience</i> , 2016 , 36, 5891-903	6.6	52
73	Overview of vector design for mammalian gene expression. <i>Molecular Biotechnology</i> , 2000 , 16, 151-60	3	49
72	A 110-amino acid region within the A1-domain of coagulation factor VIII inhibits secretion from mammalian cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 10297-303	5.4	49
71	Proinsulin misfolding is an early event in the progression to type 2 diabetes. <i>ELife</i> , 2019 , 8,	8.9	48
70	IRE1A Stimulates Hepatocyte-Derived Extracellular Vesicles That Promote Inflammation in Mice With Steatohepatitis. <i>Gastroenterology</i> , 2020 , 159, 1487-1503.e17	13.3	44
69	Identification and requirement of three ribosome binding domains in dsRNA-dependent protein kinase (PKR). <i>Biochemistry</i> , 1998 , 37, 13816-26	3.2	42
68	Conservation and divergence of the yeast and mammalian unfolded protein response. Activation of specific mammalian endoplasmic reticulum stress element of the grp78/BiP promoter by yeast Hac1. <i>Journal of Biological Chemistry</i> , 1999 , 274, 30402-9	5.4	42
67	Complementary cell-based high-throughput screens identify novel modulators of the unfolded protein response. <i>Journal of Biomolecular Screening</i> , 2011 , 16, 825-35		40
66	Antioxidants Complement the Requirement for Protein Chaperone Function to Maintain ECell Function and Glucose Homeostasis. <i>Diabetes</i> , 2015 , 64, 2892-904	0.9	39
65	ATP-dependent dissociation of non-disulfide-linked aggregates of coagulation factor VIII is a rate-limiting step for secretion. <i>Biochemistry</i> , 2000 , 39, 1973-81	3.2	39
64	HRI coordinates translation by eIF2 β and mTORC1 to mitigate ineffective erythropoiesis in mice during iron deficiency. <i>Blood</i> , 2018 , 131, 450-461	2.2	38
63	C/EBP-Homologous Protein (CHOP) in Vascular Smooth Muscle Cells Regulates Their Proliferation in Aortic Explants and Atherosclerotic Lesions. <i>Circulation Research</i> , 2015 , 116, 1736-43	15.7	36

62	Ufbp1 promotes plasma cell development and ER expansion by modulating distinct branches of UPR. <i>Nature Communications</i> , 2019 , 10, 1084	17.4	35
61	Transcription Factor ATF4 Induces NLRP1 Inflammasome Expression during Endoplasmic Reticulum Stress. <i>PLoS ONE</i> , 2015 , 10, e0130635	3.7	34
60	A eukaryotic translation initiation factor 2-associated 67 kDa glycoprotein partially reverses protein synthesis inhibition by activated double-stranded RNA-dependent protein kinase in intact cells. <i>Biochemistry</i> , 1996 , 35, 8275-80	3.2	33
59	Molecular approaches for improved clotting factors for hemophilia. <i>Blood</i> , 2013 , 122, 3568-74	2.2	31
58	UDP-glucose:glycoprotein glucosyltransferase (UGGT1) promotes substrate solubility in the endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , 2013 , 24, 2597-608	3.5	31
57	Mitochondria supply ATP to the ER through a mechanism antagonized by cytosolic Ca. <i>ELife</i> , 2019 , 8,	8.9	31
56	PDIA1/P4HB is required for efficient proinsulin maturation and cell health in response to diet induced obesity. <i>ELife</i> , 2019 , 8,	8.9	30
55	Structure-Function Relationships of Factor VIII Elucidated through Recombinant DNA Technology. <i>Thrombosis and Haemostasis</i> , 1989 , 61, 161-165	7	28
54	Fine tuning of the UPR by the ubiquitin ligases Siah1/2. <i>PLoS Genetics</i> , 2014 , 10, e1004348	6	27
53	Beta-cell failure, stress, and type 2 diabetes. <i>New England Journal of Medicine</i> , 2011 , 365, 1931-3	59.2	27
52	in Neurons Is Required for Thermogenesis and Glycemia. <i>Diabetes</i> , 2017 , 66, 663-673	0.9	25
51	The eIF2Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. <i>Neuron</i> , 2019 , 104, 724-735.e6	13.9	24
50	Borrelidin Induces the Unfolded Protein Response in Oral Cancer Cells and Chop-Dependent Apoptosis. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 1122-7	4.3	24
49	Maternal immune activation in mice disrupts proteostasis in the fetal brain. <i>Nature Neuroscience</i> , 2021 , 24, 204-213	25.5	23
48	Inositol-requiring 1/X-box-binding protein 1 is a regulatory hub that links endoplasmic reticulum homeostasis with innate immunity and metabolism. <i>EMBO Molecular Medicine</i> , 2010 , 2, 189-92	12	20
47	Novel Lobophorins Inhibit Oral Cancer Cell Growth and Induce Atf4- and Chop-Dependent Cell Death in Murine Fibroblasts. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 877-81	4.3	19
46	Disulfiram (Antabuse) Activates ROS-Dependent ER Stress and Apoptosis in Oral Cavity Squamous Cell Carcinoma. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	18
45	Factor VIII exhibits chaperone-dependent and glucose-regulated reversible amyloid formation in the endoplasmic reticulum. <i>Blood</i> , 2020 , 135, 1899-1911	2.2	18

44	Selective Assembly of Na,K-ATPase α Heterodimers in the Heart: DISTINCT FUNCTIONAL PROPERTIES AND ISOFORM-SELECTIVE INHIBITORS. <i>Journal of Biological Chemistry</i> , 2016 , 291, 23159-23174	5.4	18
43	Importance of individual activated protein C cleavage site regions in coagulation factor V for factor Va inactivation and for factor Xa activation. <i>FEBS Journal</i> , 1999 , 260, 64-75		18
42	Identification of protein disulfide isomerase 1 as a key isomerase for disulfide bond formation in apolipoprotein B100. <i>Molecular Biology of the Cell</i> , 2015 , 26, 594-604	3.5	17
41	Discovery of Sulfonamidebenzamides as Selective Apoptotic CHOP Pathway Activators of the Unfolded Protein Response. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 1278-1283	4.3	17
40	Concomitant Nrf2- and ATF4-activation by Carnosic Acid Cooperatively Induces Expression of Cytoprotective Genes. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
39	High-content screen for modifiers of Niemann-Pick type C disease in patient cells. <i>Human Molecular Genetics</i> , 2018 , 27, 2101-2112	5.6	15
38	eIF2 β controls memory consolidation via excitatory and somatostatin neurons. <i>Nature</i> , 2020 , 586, 412-416	50.4	15
37	Ameliorating Methylglyoxal-Induced Progenitor Cell Dysfunction for Tissue Repair in Diabetes. <i>Diabetes</i> , 2019 , 68, 1287-1302	0.9	14
36	Large-scale analysis of UPR-mediated apoptosis in human cells. <i>Methods in Enzymology</i> , 2011 , 491, 57-71	1.7	13
35	Role of Proinsulin Self-Association in Mutant Gene-Induced Diabetes of Youth. <i>Diabetes</i> , 2020 , 69, 954-964	4.9	12
34	Measurement of the unfolded protein response to investigate its role in adipogenesis and obesity. <i>Methods in Enzymology</i> , 2014 , 538, 135-50	1.7	12
33	Therapeutic opportunities for pancreatic β cell ER stress in diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2021 , 17, 455-467	15.2	11
32	When Less Is Better: ER Stress and Beta Cell Proliferation. <i>Developmental Cell</i> , 2016 , 36, 4-6	10.2	10
31	Novel bioinformatics method for identification of genome-wide non-canonical spliced regions using RNA-Seq data. <i>PLoS ONE</i> , 2014 , 9, e100864	3.7	10
30	Normal and defective pathways in biogenesis and maintenance of the insulin storage pool. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	10
29	Molecular approaches for improved clotting factors for hemophilia. <i>Hematology American Society of Hematology Education Program</i> , 2013 , 2013, 30-6	3.1	9
28	/ depletion in β cells alleviates ER stress and corrects hepatic steatosis in mice. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	9
27	Functional analysis of the mammalian RNA ligase for IRE1 in the unfolded protein response. <i>Bioscience Reports</i> , 2017 , 37,	4.1	8

26	Targeting the unfolded protein response in head and neck and oral cavity cancers. <i>Experimental Cell Research</i> , 2019 , 382, 111386	4.2	8
25	Lipase maturation factor 1 (Lmf1) is induced by endoplasmic reticulum stress through activating transcription factor 6[Atf6] signaling. <i>Journal of Biological Chemistry</i> , 2014 , 289, 24417-27	5.4	8
24	The Impact of the ER Unfolded Protein Response on Cancer Initiation and Progression: Therapeutic Implications. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1243, 113-131	3.6	8
23	Domain compatibility in Ire1 kinase is critical for the unfolded protein response. <i>FEBS Letters</i> , 2010 , 584, 3203-8	3.8	7
22	Unbiased Profiling of the Human Proinsulin Biosynthetic Interaction Network Reveals a Role for Peroxiredoxin 4 in Proinsulin Folding. <i>Diabetes</i> , 2020 , 69, 1723-1734	0.9	6
21	Phosphorylation of eIF2 Promotes Schwann Cell Differentiation and Myelination in CMT1B Mice with Activated UPR. <i>Journal of Neuroscience</i> , 2020 , 40, 8174-8187	6.6	6
20	IRE1 nucleotide sequence cleavage specificity in the unfolded protein response. <i>FEBS Letters</i> , 2017 , 591, 406-414	3.8	4
19	The ER Unfolded Protein Response Effector, ATF6, Reduces Cardiac Fibrosis and Decreases Activation of Cardiac Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
18	Endoplasmic Reticulum Stress in Liver Diseases.. <i>Hepatology</i> , 2022 ,	11.2	4
17	eIF2 Confers Cellular Tolerance to <i>S. aureus</i> Toxin. <i>Frontiers in Immunology</i> , 2015 , 6, 383	8.4	3
16	Eukaryotic translation initiation factor 2 phosphorylation as a therapeutic target in diabetes. <i>Expert Review of Endocrinology and Metabolism</i> , 2014 , 9, 345-356	4.1	3
15	Author response: Mitochondria supply ATP to the ER through a mechanism antagonized by cytosolic Ca ²⁺ 2019 ,		3
14	Development of a Reporter System Monitoring Regulated Intramembrane Proteolysis of the Transmembrane bZIP Transcription Factor ATF6 <i>Molecules and Cells</i> , 2019 , 42, 783-793	3.5	1
13	Chop/Ddit3 depletion in B cells alleviates ER stress and corrects hepatic steatosis		1
12	Calcineurin Activity Is Increased in Charcot-Marie-Tooth 1B Demyelinating Neuropathy. <i>Journal of Neuroscience</i> , 2021 , 41, 4536-4548	6.6	1
11	Defects in Protein Folding and/or Quality Control Cause Protein Aggregation in the Endoplasmic Reticulum. <i>Progress in Molecular and Subcellular Biology</i> , 2021 , 59, 115-143	3	0
10	Cellular Processing of Factor VIII and Factor IX 2014 , 9-20		
9	Protein Synthesis and Secretion: Animal Cells 2009 , 1		

8 Endoplasmic Reticulum Stress and Oxidative Stress: Mechanisms and Link to Disease **2010**, 21-46

7 ANALYSIS OF STRUCTURAL REQUIREMENTS FOR FACTOR VIII FUNCTION USING SITE-DIRECTED MUTAGENESIS **1987**, 58, 1245

6 DIRECTED MUTAGENESIS IN THE STUDY OF THE REQUIREMENTS FOR FACTOR VIII ACTIVITY IN VITRO AND IN VIVO **1987**, 58, 1970

5 THE INFLUENCE OF N-LINKED GLYCOSYLATION AND BINDING PROTEIN (BiP) ASSOCIATION IN THE SECRETION EFFICIENCY OF COMPLEX GLYCOPROTEINS **1987**, 58, 1217

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