

# Randal J Kaufman

## 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.

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	In Vitro Stimulation of IRE1/XBP1-Deficient B Cells with LPS.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2378, 221-231	1.4	
168	Endoplasmic Reticulum Stress in Liver Diseases.. <i>Hepatology</i> , <b>2022</b> ,	11.2	4
167	Maternal immune activation in mice disrupts proteostasis in the fetal brain. <i>Nature Neuroscience</i> , <b>2021</b> , 24, 204-213	25.5	23
166	Calcineurin Activity Is Increased in Charcot-Marie-Tooth 1B Demyelinating Neuropathy. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 4536-4548	6.6	1
165	Therapeutic opportunities for pancreatic $\beta$ cell ER stress in diabetes mellitus. <i>Nature Reviews Endocrinology</i> , <b>2021</b> , 17, 455-467	15.2	11
164	Defects in Protein Folding and/or Quality Control Cause Protein Aggregation in the Endoplasmic Reticulum. <i>Progress in Molecular and Subcellular Biology</i> , <b>2021</b> , 59, 115-143	3	0
163	/ depletion in $\beta$ cells alleviates ER stress and corrects hepatic steatosis in mice. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	9
162	Normal and defective pathways in biogenesis and maintenance of the insulin storage pool. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	10
161	Astroglial ER protein Membralin is an essential neuroinflammation regulator.. <i>Alzheimers and Dementia</i> , <b>2021</b> , 17 Suppl 2, e058566	1.2	
160	Mechanisms, regulation and functions of the unfolded protein response. <i>Nature Reviews Molecular Cell Biology</i> , <b>2020</b> , 21, 421-438	48.7	354
159	Unbiased Profiling of the Human Proinsulin Biosynthetic Interaction Network Reveals a Role for Peroxiredoxin 4 in Proinsulin Folding. <i>Diabetes</i> , <b>2020</b> , 69, 1723-1734	0.9	6
158	Factor VIII exhibits chaperone-dependent and glucose-regulated reversible amyloid formation in the endoplasmic reticulum. <i>Blood</i> , <b>2020</b> , 135, 1899-1911	2.2	18
157	IRE1A Stimulates Hepatocyte-Derived Extracellular Vesicles That Promote Inflammation in Mice With Steatohepatitis. <i>Gastroenterology</i> , <b>2020</b> , 159, 1487-1503.e17	13.3	44
156	Role of Proinsulin Self-Association in Mutant Gene-Induced Diabetes of Youth. <i>Diabetes</i> , <b>2020</b> , 69, 954-964	6.9	12
155	The ER Unfolded Protein Response Effector, ATF6, Reduces Cardiac Fibrosis and Decreases Activation of Cardiac Fibroblasts. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
154	Phosphorylation of eIF2 Promotes Schwann Cell Differentiation and Myelination in CMT1B Mice with Activated UPR. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 8174-8187	6.6	6
153	eIF2 controls memory consolidation via excitatory and somatostatin neurons. <i>Nature</i> , <b>2020</b> , 586, 412-416	50.4	15

152	The Impact of the ER Unfolded Protein Response on Cancer Initiation and Progression: Therapeutic Implications. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1243, 113-131	3.6	8
151	The eIF2 $\alpha$ Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. <i>Neuron</i> , <b>2019</b> , 104, 724-735.e6	13.9	24
150	Targeting the unfolded protein response in head and neck and oral cavity cancers. <i>Experimental Cell Research</i> , <b>2019</b> , 382, 111386	4.2	8
149	Non-canonical function of IRE1 $\alpha$ determines mitochondria-associated endoplasmic reticulum composition to control calcium transfer and bioenergetics. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 755-767	23.4	110
148	Disulfiram (Antabuse) Activates ROS-Dependent ER Stress and Apoptosis in Oral Cavity Squamous Cell Carcinoma. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	18
147	Ameliorating Methylglyoxal-Induced Progenitor Cell Dysfunction for Tissue Repair in Diabetes. <i>Diabetes</i> , <b>2019</b> , 68, 1287-1302	0.9	14
146	Ufbp1 promotes plasma cell development and ER expansion by modulating distinct branches of UPR. <i>Nature Communications</i> , <b>2019</b> , 10, 1084	17.4	35
145	Concomitant Nrf2- and ATF4-activation by Carnosic Acid Cooperatively Induces Expression of Cytoprotective Genes. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	16
144	Gut microbiota dependent anti-tumor immunity restricts melanoma growth in Rnf5 mice. <i>Nature Communications</i> , <b>2019</b> , 10, 1492	17.4	58
143	Development of a Reporter System Monitoring Regulated Intramembrane Proteolysis of the Transmembrane bZIP Transcription Factor ATF6 $\alpha$ . <i>Molecules and Cells</i> , <b>2019</b> , 42, 783-793	3.5	1
142	PDIA1/P4HB is required for efficient proinsulin maturation and $\beta$ cell health in response to diet induced obesity. <i>ELife</i> , <b>2019</b> , 8,	8.9	30
141	Proinsulin misfolding is an early event in the progression to type 2 diabetes. <i>ELife</i> , <b>2019</b> , 8,	8.9	48
140	Mitochondria supply ATP to the ER through a mechanism antagonized by cytosolic Ca. <i>ELife</i> , <b>2019</b> , 8,	8.9	31
139	Author response: Mitochondria supply ATP to the ER through a mechanism antagonized by cytosolic Ca <sup>2+</sup> <b>2019</b> ,		3
138	High-content screen for modifiers of Niemann-Pick type C disease in patient cells. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 2101-2112	5.6	15
137	HRI coordinates translation by eIF2B and mTORC1 to mitigate ineffective erythropoiesis in mice during iron deficiency. <i>Blood</i> , <b>2018</b> , 131, 450-461	2.2	38
136	Biosynthesis, structure, and folding of the insulin precursor protein. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20 Suppl 2, 28-50	6.7	85
135	IRE1 $\alpha$ prevents hepatic steatosis by processing and promoting the degradation of select microRNAs. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	54

134	Functional analysis of the mammalian RNA ligase for IRE1 in the unfolded protein response. <i>Bioscience Reports</i> , <b>2017</b> , 37,	4.1	8
133	IRE1 nucleotide sequence cleavage specificity in the unfolded protein response. <i>FEBS Letters</i> , <b>2017</b> , 591, 406-414	3.8	4
132	in Neurons Is Required for Thermogenesis and Glycemia. <i>Diabetes</i> , <b>2017</b> , 66, 663-673	0.9	25
131	ATF6 Decreases Myocardial Ischemia/Reperfusion Damage and Links ER Stress and Oxidative Stress Signaling Pathways in the Heart. <i>Circulation Research</i> , <b>2017</b> , 120, 862-875	15.7	150
130	Physiological/pathological ramifications of transcription factors in the unfolded protein response. <i>Genes and Development</i> , <b>2017</b> , 31, 1417-1438	12.6	73
129	Selective Assembly of Na,K-ATPase $\alpha$ Heterodimers in the Heart: DISTINCT FUNCTIONAL PROPERTIES AND ISOFORM-SELECTIVE INHIBITORS. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 23159-23174	5.4	18
128	Senescence-associated secretory phenotype contributes to pathological angiogenesis in retinopathy. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 362ra144	17.5	124
127	The unfolded protein response in immunity and inflammation. <i>Nature Reviews Immunology</i> , <b>2016</b> , 16, 469-84	36.5	385
126	When Less Is Better: ER Stress and Beta Cell Proliferation. <i>Developmental Cell</i> , <b>2016</b> , 36, 4-6	10.2	10
125	Protein misfolding in the endoplasmic reticulum as a conduit to human disease. <i>Nature</i> , <b>2016</b> , 529, 326-350	35.4	777
124	Rescue of Glaucomatous Neurodegeneration by Differentially Modulating Neuronal Endoplasmic Reticulum Stress Molecules. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 5891-903	6.6	52
123	The role of ER stress in lipid metabolism and lipotoxicity. <i>Journal of Lipid Research</i> , <b>2016</b> , 57, 1329-38	6.3	265
122	Identification of protein disulfide isomerase 1 as a key isomerase for disulfide bond formation in apolipoprotein B100. <i>Molecular Biology of the Cell</i> , <b>2015</b> , 26, 594-604	3.5	17
121	Novel Lobophorins Inhibit Oral Cancer Cell Growth and Induce Atf4- and Chop-Dependent Cell Death in Murine Fibroblasts. <i>ACS Medicinal Chemistry Letters</i> , <b>2015</b> , 6, 877-81	4.3	19
120	C/EBP-Homologous Protein (CHOP) in Vascular Smooth Muscle Cells Regulates Their Proliferation in Aortic Explants and Atherosclerotic Lesions. <i>Circulation Research</i> , <b>2015</b> , 116, 1736-43	15.7	36
119	Antioxidants Complement the Requirement for Protein Chaperone Function to Maintain $\beta$ Cell Function and Glucose Homeostasis. <i>Diabetes</i> , <b>2015</b> , 64, 2892-904	0.9	39
118	Borrelidin Induces the Unfolded Protein Response in Oral Cancer Cells and Chop-Dependent Apoptosis. <i>ACS Medicinal Chemistry Letters</i> , <b>2015</b> , 6, 1122-7	4.3	24
117	Pancreatic Cancer-Derived Exosomes Cause Paraneoplastic $\beta$ cell Dysfunction. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 1722-33	12.9	106

116	Unfolded protein response-induced ERdj3 secretion links ER stress to extracellular proteostasis. <i>EMBO Journal</i> , <b>2015</b> , 34, 4-19	13	83
115	eIF2 $\alpha$ Confers Cellular Tolerance to <i>S. aureus</i> $\alpha$ -Toxin. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 383	8.4	3
114	Mutations in the unfolded protein response regulator ATF6 cause the cone dysfunction disorder achromatopsia. <i>Nature Genetics</i> , <b>2015</b> , 47, 757-65	36.3	143
113	The IRE1 $\alpha$ /XBP1s Pathway Is Essential for the Glucose Response and Protection of $\beta$ Cells. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002277	9.7	94
112	Transcription Factor ATF4 Induces NLRP1 Inflammasome Expression during Endoplasmic Reticulum Stress. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130635	3.7	34
111	Calcium trafficking integrates endoplasmic reticulum function with mitochondrial bioenergetics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2014</b> , 1843, 2233-9	4.9	136
110	The impact of the endoplasmic reticulum protein-folding environment on cancer development. <i>Nature Reviews Cancer</i> , <b>2014</b> , 14, 581-97	31.3	674
109	Measurement of the unfolded protein response to investigate its role in adipogenesis and obesity. <i>Methods in Enzymology</i> , <b>2014</b> , 538, 135-50	1.7	12
108	ER stress cooperates with hypernutrition to trigger TNF-dependent spontaneous HCC development. <i>Cancer Cell</i> , <b>2014</b> , 26, 331-343	24.3	284
107	Translational control of mGluR-dependent long-term depression and object-place learning by eIF2 $\alpha$ . <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1073-82	25.5	131
106	Interplay between the oxidoreductase PDIA6 and microRNA-322 controls the response to disrupted endoplasmic reticulum calcium homeostasis. <i>Science Signaling</i> , <b>2014</b> , 7, ra54	8.8	71
105	Novel bioinformatics method for identification of genome-wide non-canonical spliced regions using RNA-Seq data. <i>PLoS ONE</i> , <b>2014</b> , 9, e100864	3.7	10
104	Cellular Processing of Factor VIII and Factor IX <b>2014</b> , 9-20		
103	Eukaryotic translation initiation factor 2 $\beta$ phosphorylation as a therapeutic target in diabetes. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2014</b> , 9, 345-356	4.1	3
102	Fine tuning of the UPR by the ubiquitin ligases Siah1/2. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004348	6	27
101	Discovery of Sulfonamidebenzamides as Selective Apoptotic CHOP Pathway Activators of the Unfolded Protein Response. <i>ACS Medicinal Chemistry Letters</i> , <b>2014</b> , 5, 1278-1283	4.3	17
100	Lipase maturation factor 1 (Lmf1) is induced by endoplasmic reticulum stress through activating transcription factor 6 (Atf6) signaling. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 24417-27	5.4	8
99	Toll-like receptor-mediated IRE1 $\alpha$ activation as a therapeutic target for inflammatory arthritis. <i>EMBO Journal</i> , <b>2013</b> , 32, 2477-90	13	129

98	Molecular approaches for improved clotting factors for hemophilia. <i>Blood</i> , <b>2013</b> , 122, 3568-74	2.2	31
97	ER-stress-induced transcriptional regulation increases protein synthesis leading to cell death. <i>Nature Cell Biology</i> , <b>2013</b> , 15, 481-90	23.4	976
96	Molecular approaches for improved clotting factors for hemophilia. <i>Hematology American Society of Hematology Education Program</i> , <b>2013</b> , 2013, 30-6	3.1	9
95	C/EBP homologous protein-induced macrophage apoptosis protects mice from steatohepatitis. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 18624-42	5.4	61
94	UDP-glucose:glycoprotein glucosyltransferase (UGGT1) promotes substrate solubility in the endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , <b>2013</b> , 24, 2597-608	3.5	31
93	Thioredoxin-interacting protein mediates ER stress-induced cell death through initiation of the inflammasome. <i>Cell Metabolism</i> , <b>2012</b> , 16, 265-73	24.6	461
92	The impact of the unfolded protein response on human disease. <i>Journal of Cell Biology</i> , <b>2012</b> , 197, 857-67.3	67.3	675
91	IRE1/XBP1s induces PDI expression to increase MTP activity for hepatic VLDL assembly and lipid homeostasis. <i>Cell Metabolism</i> , <b>2012</b> , 16, 473-86	24.6	152
90	Endoplasmic reticulum stress and type 2 diabetes. <i>Annual Review of Biochemistry</i> , <b>2012</b> , 81, 767-93	29.1	381
89	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> , <b>2012</b> , 55, 1070-82	11.2	135
88	Beta-cell failure, stress, and type 2 diabetes. <i>New England Journal of Medicine</i> , <b>2011</b> , 365, 1931-3	59.2	27
87	Endoplasmic reticulum stress in liver disease. <i>Journal of Hepatology</i> , <b>2011</b> , 54, 795-809	13.4	769
86	The unfolded protein response transducer IRE1 prevents ER stress-induced hepatic steatosis. <i>EMBO Journal</i> , <b>2011</b> , 30, 1357-75	13	251
85	Complementary cell-based high-throughput screens identify novel modulators of the unfolded protein response. <i>Journal of Biomolecular Screening</i> , <b>2011</b> , 16, 825-35		40
84	Large-scale analysis of UPR-mediated apoptosis in human cells. <i>Methods in Enzymology</i> , <b>2011</b> , 491, 57-71.7	11.7	13
83	A crucial role for RACK1 in the regulation of glucose-stimulated IRE1alpha activation in pancreatic beta cells. <i>Science Signaling</i> , <b>2010</b> , 3, ra7	8.8	115
82	Domain compatibility in Ire1 kinase is critical for the unfolded protein response. <i>FEBS Letters</i> , <b>2010</b> , 584, 3203-8	3.8	7
81	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> , <b>2010</b> , 2, 189-92	12	20

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

79 ER stress controls iron metabolism through induction of hepcidin. *Science*, **2009**, 325, 877-80 33.3 245

78 Ppp1r15 gene knockout reveals an essential role for translation initiation factor 2 alpha (eIF2alpha) dephosphorylation in mammalian development. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1832-7 11.5 181

77 ATF6alpha induces XBP1-independent expansion of the endoplasmic reticulum. *Journal of Cell Science*, **2009**, 122, 1626-36 5.3 174

76 Regulation of apoptosis by the unfolded protein response. *Methods in Molecular Biology*, **2009**, 559, 191-204 124

75 Translation attenuation through eIF2alpha phosphorylation prevents oxidative stress and maintains the differentiated state in beta cells. *Cell Metabolism*, **2009**, 10, 13-26 24.6 272

74 Protein Synthesis and Secretion: Animal Cells **2009**, 1

73 From endoplasmic-reticulum stress to the inflammatory response. *Nature*, **2008**, 454, 455-62 50.4 1423

72 The unfolded protein response: a pathway that links insulin demand with beta-cell failure and diabetes. *Endocrine Reviews*, **2008**, 29, 317-33 27.2 418

71 UPR pathways combine to prevent hepatic steatosis caused by ER stress-mediated suppression of transcriptional master regulators. *Developmental Cell*, **2008**, 15, 829-40 10.2 436

70 Antioxidants reduce endoplasmic reticulum stress and improve protein secretion. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 18525-30 11.5 518

69 Chop deletion reduces oxidative stress, improves beta cell function, and promotes cell survival in multiple mouse models of diabetes. *Journal of Clinical Investigation*, **2008**, 118, 3378-89 15.9 514

68 Endoplasmic reticulum stress and oxidative stress: a vicious cycle or a double-edged sword?. *Antioxidants and Redox Signaling*, **2007**, 9, 2277-93 8.4 1147

67 Glucose activates a protein phosphatase-1-mediated signaling pathway to enhance overall translation in pancreatic beta-cells. *Endocrinology*, **2007**, 148, 609-17 4.8 67

66 The role of p58IPK in protecting the stressed endoplasmic reticulum. *Molecular Biology of the Cell*, **2007**, 18, 3681-91 3.5 168

65 eIF2alpha phosphorylation bidirectionally regulates the switch from short- to long-term synaptic plasticity and memory. *Cell*, **2007**, 129, 195-206 56.2 359

64 ATF6alpha optimizes long-term endoplasmic reticulum function to protect cells from chronic stress. *Developmental Cell*, **2007**, 13, 351-64 10.2 504

63 Substrate-specific requirements for UGT1-dependent release from calnexin. *Molecular Cell*, **2007**, 27, 238-249 17.6 68

62	Adaptation to ER stress is mediated by differential stabilities of pro-survival and pro-apoptotic mRNAs and proteins. <i>PLoS Biology</i> , <b>2006</b> , 4, e374	9.7	588
61	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> , <b>2006</b> , 281, 21458-21468	5.4	108
60	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> , <b>2006</b> , 172, 383-93	7.3	285
59	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> , <b>2006</b> , 103, 14343-8	11.5	250
58	Endoplasmic reticulum stress activates cleavage of CREBH to induce a systemic inflammatory response. <i>Cell</i> , <b>2006</b> , 124, 587-99	56.2	632
57	Combined deficiency of factor V and factor VIII is due to mutations in either LMAN1 or MCFD2. <i>Blood</i> , <b>2006</b> , 107, 1903-7	2.2	90
56	Antioxidants Improve Factor VIII Secretion in the Liver by Preventing Oxidative Stress, Activation of the Unfolded Protein Response, and Apoptosis.. <i>Blood</i> , <b>2006</b> , 108, 197-197	2.2	
55	The mammalian unfolded protein response. <i>Annual Review of Biochemistry</i> , <b>2005</b> , 74, 739-89	29.1	2409
54	Control of mRNA translation preserves endoplasmic reticulum function in beta cells and maintains glucose homeostasis. <i>Nature Medicine</i> , <b>2005</b> , 11, 757-64	50.5	313
53	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. <i>EMBO Journal</i> , <b>2005</b> , 24, 3470-81	13	563
52	Genetic interactions due to constitutive and inducible gene regulation mediated by the unfolded protein response in <i>C. elegans</i> . <i>PLoS Genetics</i> , <b>2005</b> , 1, e37	6	181
51	The unfolded protein response sensor IRE1 $\alpha$ s required at 2 distinct steps in B cell lymphopoiesis. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 268-281	15.9	240
50	The unfolded protein response sensor IRE1 $\alpha$ is required at 2 distinct steps in B cell lymphopoiesis. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 268-81	15.9	165
49	Translational repression mediates activation of nuclear factor kappa B by phosphorylated translation initiation factor 2. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 10161-8	4.8	496
48	Ultraviolet light activates NFkappaB through translational inhibition of IkappaBalpha synthesis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 34898-902	5.4	110
47	Cytoprotection by pre-emptive conditional phosphorylation of translation initiation factor 2. <i>EMBO Journal</i> , <b>2004</b> , 23, 169-79	13	304
46	A trip to the ER: coping with stress. <i>Trends in Cell Biology</i> , <b>2004</b> , 14, 20-8	18.3	1132
45	Regulation of mRNA translation by protein folding in the endoplasmic reticulum. <i>Trends in Biochemical Sciences</i> , <b>2004</b> , 29, 152-8	10.3	142



44	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> , <b>2004</b> , 136, 343-50 <sup>3,1</sup>		302
43	Bioengineering of coagulation factor VIII for improved secretion. <i>Blood</i> , <b>2004</b> , 103, 3412-9	2.2	159
42	Bleeding due to disruption of a cargo-specific ER-to-Golgi transport complex. <i>Nature Genetics</i> , <b>2003</b> , 34, 220-5	36.3	243
41	The zipper model of translational control: a small upstream ORF is the switch that controls structural remodeling of an mRNA leader. <i>Cell</i> , <b>2003</b> , 113, 519-31	56.2	173
40	A time-dependent phase shift in the mammalian unfolded protein response. <i>Developmental Cell</i> , <b>2003</b> , 4, 265-71	10.2	565
39	The unfolded protein response in nutrient sensing and differentiation. <i>Nature Reviews Molecular Cell Biology</i> , <b>2002</b> , 3, 411-21	48.7	487
38	The protein kinase/endoribonuclease IRE1alpha that signals the unfolded protein response has a luminal N-terminal ligand-independent dimerization domain. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 18346-56	5.4	94
37	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> , <b>2002</b> , 16, 452-66	12.6	772
36	Orchestrating the unfolded protein response in health and disease. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1389-1398	15.9	863
35	Orchestrating the unfolded protein response in health and disease. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 1389-98	15.9	482
34	Translational control is required for the unfolded protein response and in vivo glucose homeostasis. <i>Molecular Cell</i> , <b>2001</b> , 7, 1165-76	17.6	1087
33	Complementary signaling pathways regulate the unfolded protein response and are required for <i>C. elegans</i> development. <i>Cell</i> , <b>2001</b> , 107, 893-903	56.2	555
32	Potential role of PKR in double-stranded RNA-induced macrophage activation. <i>EMBO Journal</i> , <b>2000</b> , 19, 3630-8	13	69
31	Overview of vector design for mammalian gene expression. <i>Molecular Biotechnology</i> , <b>2000</b> , 16, 151-60	3	49
30	Ligand-independent dimerization activates the stress response kinases IRE1 and PERK in the lumen of the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 24881-5	5.4	297
29	ATP-dependent dissociation of non-disulfide-linked aggregates of coagulation factor VIII is a rate-limiting step for secretion. <i>Biochemistry</i> , <b>2000</b> , 39, 1973-81	3.2	39
28	Two homologues encoding human UDP-glucose:glycoprotein glucosyltransferase differ in mRNA expression and enzymatic activity. <i>Biochemistry</i> , <b>2000</b> , 39, 2149-63	3.2	76
27	Cleavage of Factor V at Arg 506 by Activated Protein C and the Expression of Anticoagulant Activity of Factor V. <i>Blood</i> , <b>1999</b> , 93, 2552-2558	2.2	87

26	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> , <b>1999</b> , 274, 32539-42 <sup>5.4</sup>	97
25	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> , <b>1999</b> , 274, 30402-9	5.4 42
24	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> , <b>1999</b> , 260, 64-75	18
23	A role for presenilin-1 in nuclear accumulation of Ire1 fragments and induction of the mammalian unfolded protein response. <i>Cell</i> , <b>1999</b> , 99, 691-702	56.2 261
22	Mutations in the ER-Golgi intermediate compartment protein ERGIC-53 cause combined deficiency of coagulation factors V and VIII. <i>Cell</i> , <b>1998</b> , 93, 61-70	56.2 372
21	Identification and requirement of three ribosome binding domains in dsRNA-dependent protein kinase (PKR). <i>Biochemistry</i> , <b>1998</b> , 37, 13816-26	3.2 42
20	Differential interaction of coagulation factor VIII and factor V with protein chaperones calnexin and calreticulin. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 8537-44	5.4 116
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18	Identification and functional requirement of Cu(I) and its ligands within coagulation factor VIII. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 27428-34	5.4 62
17	Cleavage requirements for activation of factor V by factor Xa. <i>FEBS Journal</i> , <b>1997</b> , 247, 12-20	58
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14	A 110-amino acid region within the A1-domain of coagulation factor VIII inhibits secretion from mammalian cells. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 10297-303	5.4 49
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11	Overview of Protein Expression in Mammalian Cells: Protein Expression. <i>Current Protocols in Molecular Biology</i> , <b>1991</b> , 14, 16.12.1-16.12.6	2.9
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1	Chop/Ddit3 depletion in E-cells alleviates ER stress and corrects hepatic steatosis		1