Randal J Kaufman

List of Publications by Year
in descending order

165 papers	43,538 citations	4120 87 h-index	5965 160 g-index
181 all docs	181 docs citations	181 times ranked	37319 citing authors

#	Article	IF	Citations
1	THE MAMMALIAN UNFOLDED PROTEIN RESPONSE. Annual Review of Biochemistry, 2005, 74, 739-789.	5.0	2,699
2	From endoplasmic-reticulum stress to the inflammatory response. Nature, 2008, 454, 455-462.	13.7	1,693
3	Endoplasmic Reticulum Stress and Oxidative Stress: A Vicious Cycle or a Double-Edged Sword?. Antioxidants and Redox Signaling, 2007, 9, 2277-2294.	2.5	1,339
4	ER-stress-induced transcriptional regulation increases protein synthesis leading to cellÂdeath. Nature Cell Biology, 2013, 15, 481-490.	4.6	1,315
5	A trip to the ER: coping with stress. Trends in Cell Biology, 2004, 14, 20-28.	3.6	1,258
6	Human GM-CSF: molecular cloning of the complementary DNA and purification of the natural and recombinant proteins. Science, 1985, 228, 810-815.	6.0	1,233
7	Translational Control Is Required for the Unfolded Protein Response and In Vivo Glucose Homeostasis. Molecular Cell, 2001, 7, 1165-1176.	4.5	1,217
8	Protein misfolding in the endoplasmic reticulum as a conduit to human disease. Nature, 2016, 529, 326-335.	13.7	1,170
9	Mechanisms, regulation and functions of the unfolded protein response. Nature Reviews Molecular Cell Biology, 2020, 21, 421-438.	16.1	1,129
10	Isolation and characterization of genomic and cDNA clones of human erythropoietin. Nature, 1985, 313, 806-810.	13.7	1,108
11	Endoplasmic reticulum stress in liver disease. Journal of Hepatology, 2011, 54, 795-809.	1.8	952
12	Molecular cloning of a cDNA encoding human antihaemophilic factor. Nature, 1984, 312, 342-347.	13.7	946
13	Orchestrating the unfolded protein response in health and disease. Journal of Clinical Investigation, 2002, 110, 1389-1398.	3.9	944
14	IRE1-mediated unconventional mRNA splicing and S2P-mediated ATF6 cleavage merge to regulate XBP1 in signaling the unfolded protein response. Genes and Development, 2002, 16, 452-466.	2.7	909
15	The impact of the endoplasmic reticulum protein-folding environment on cancer development. Nature Reviews Cancer, 2014, 14, 581-597.	12.8	865
16	The impact of the unfolded protein response on human disease. Journal of Cell Biology, 2012, 197, 857-867.	2.3	803
17	Endoplasmic Reticulum Stress Activates Cleavage of CREBH to Induce a Systemic Inflammatory Response. Cell, 2006, 124, 587-599.	13.5	720
18	Adaptation to ER Stress Is Mediated by Differential Stabilities of Pro-Survival and Pro-Apoptotic mRNAs and Proteins. PLoS Biology, 2006, 4, e374.	2.6	694

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19	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. EMBO Journal, 2005, 24, 3470-3481.	3.5	634
20	Complementary Signaling Pathways Regulate the Unfolded Protein Response and Are Required for C. elegans Development. Cell, 2001, 107, 893-903.	13.5	631
21	Orchestrating the unfolded protein response in health and disease. Journal of Clinical Investigation, 2002, 110, 1389-1398.	3.9	615
22	A Time-Dependent Phase Shift in the Mammalian Unfolded Protein Response. Developmental Cell, 2003, 4, 265-271.	3.1	609
23	Antioxidants reduce endoplasmic reticulum stress and improve protein secretion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18525-18530.	3.3	593
24	Chop deletion reduces oxidative stress, improves Î² cell function, and promotes cell survival in multiple mouse models of diabetes. Journal of Clinical Investigation, 2008, 118, 3378-3389.	3.9	591
25	ATF6Î± Optimizes Long-Term Endoplasmic Reticulum Function to Protect Cells from Chronic Stress. Developmental Cell, 2007, 13, 351-364.	3.1	588
26	The unfolded protein response in immunity and inflammation. Nature Reviews Immunology, 2016, 16, 469-484.	10.6	581
27	Thioredoxin-Interacting Protein Mediates ER Stress-Induced Î² Cell Death through Initiation of the Inflammasome. Cell Metabolism, 2012, 16, 265-273.	7.2	568
28	Translational Repression Mediates Activation of Nuclear Factor Kappa B by Phosphorylated Translation Initiation Factor 2. Molecular and Cellular Biology, 2004, 24, 10161-10168.	1.1	566
29	The unfolded protein response in nutrient sensing and differentiation. Nature Reviews Molecular Cell Biology, 2002, 3, 411-421.	16.1	540
30	UPR Pathways Combine to Prevent Hepatic Steatosis Caused by ER Stress-Mediated Suppression of Transcriptional Master Regulators. Developmental Cell, 2008, 15, 829-840.	3.1	507
31	The Unfolded Protein Response: A Pathway That Links Insulin Demand with Î²-Cell Failure and Diabetes. Endocrine Reviews, 2008, 29, 317-333.	8.9	479
32	Endoplasmic Reticulum Stress and Type 2 Diabetes. Annual Review of Biochemistry, 2012, 81, 767-793.	5.0	476
33	eIF2Î± Phosphorylation Bidirectionally Regulates the Switch from Short- to Long-Term Synaptic Plasticity and Memory. Cell, 2007, 129, 195-206.	13.5	437
34	Mutations in the ERâ€“Golgi Intermediate Compartment Protein ERGIC-53 Cause Combined Deficiency of Coagulation Factors V and VIII. Cell, 1998, 93, 61-70.	13.5	434
35	The role of ER stress in lipid metabolism and lipotoxicity. Journal of Lipid Research, 2016, 57, 1329-1338.	2.0	427
36	ER Stress Cooperates with Hypernutrition to Trigger TNF-Dependent Spontaneous HCC Development. Cancer Cell, 2014, 26, 331-343.	7.7	412

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37	Control of mRNA translation preserves endoplasmic reticulum function in beta cells and maintains glucose homeostasis. Nature Medicine, 2005, 11, 757-764.	15.2	369
38	Differential Contributions of ATF6 and XBP1 to the Activation of Endoplasmic Reticulum Stress-Responsive cis-Acting Elements ERSE, UPRE and ERSE-II. Journal of Biochemistry, 2004, 136, 343-350.	0.9	347
39	Ligand-independent Dimerization Activates the Stress Response Kinases IRE1 and PERK in the Lumen of the Endoplasmic Reticulum. Journal of Biological Chemistry, 2000, 275, 24881-24885.	1.6	341
40	Cytoprotection by pre-emptive conditional phosphorylation of translation initiation factor 2. EMBO Journal, 2004, 23, 169-179.	3.5	337
41	Heterodimeric Bone Morphogenetic Proteins Show Enhanced ActivityIn VitroandIn Vivo. Growth Factors, 1996, 13, 291-300.	0.5	318
42	Derlin-2 and Derlin-3 are regulated by the mammalian unfolded protein response and are required for ER-associated degradation. Journal of Cell Biology, 2006, 172, 383-393.	2.3	316
43	Translation Attenuation through eIF2Î± Phosphorylation Prevents Oxidative Stress and Maintains the Differentiated State in Î² Cells. Cell Metabolism, 2009, 10, 13-26.	7.2	314
44	The unfolded protein response transducer IRE1Î± prevents ER stress-induced hepatic steatosis. EMBO Journal, 2011, 30, 1357-1375.	3.5	302
45	The crystal structure of human IRE1 luminal domain reveals a conserved dimerization interface required for activation of the unfolded protein response. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14343-14348.	3.3	293
46	A Role for Presenilin-1 in Nuclear Accumulation of Ire1 Fragments and Induction of the Mammalian Unfolded Protein Response. Cell, 1999, 99, 691-702.	13.5	285
47	Bleeding due to disruption of a cargo-specific ER-to-Golgi transport complex. Nature Genetics, 2003, 34, 220-225.	9.4	282
48	ER Stress Controls Iron Metabolism Through Induction of Hepcidin. Science, 2009, 325, 877-880.	6.0	278
49	The unfolded protein response sensor IRE1Î± is required at 2 distinct steps in B cell lymphopoiesis. Journal of Clinical Investigation, 2005, 115, 268-281.	3.9	270
50	Molecular characterization and expression of the gene encoding human erythroid-potentiating activity. Nature, 1985, 315, 768-771.	13.7	267
51	Ppp1r15 gene knockout reveals an essential role for translation initiation factor 2 alpha (eIF2Î±) dephosphorylation in mammalian development. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1832-1837.	3.3	230
52	ATF6 Decreases Myocardial Ischemia/Reperfusion Damage and Links ER Stress and Oxidative Stress Signaling Pathways in the Heart. Circulation Research, 2017, 120, 862-875.	2.0	228
53	ATF6Î± induces XBP1-independent expansion of the endoplasmic reticulum. Journal of Cell Science, 2009, 122, 1626-1636.	1.2	221
54	Structure of pre-pro-von Willebrand factor and its expression in heterologous cells. Nature, 1986, 324, 270-273.	13.7	212

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55	Genetic Interactions Due to Constitutive and Inducible Gene Regulation Mediated by the Unfolded Protein Response in C. elegans. PLoS Genetics, 2005, 1, e37.	1.5	207
56	Bioengineering of coagulation factor VIII for improved secretion. Blood, 2004, 103, 3412-3419.	0.6	193
57	The unfolded protein response sensor IRE1Î± is required at 2 distinct steps in B cell lymphopoiesis. Journal of Clinical Investigation, 2005, 115, 268-281.	3.9	193
58	The Role of p58IPK in Protecting the Stressed Endoplasmic Reticulum. Molecular Biology of the Cell, 2007, 18, 3681-3691.	0.9	187
59	The Zipper Model of Translational Control. Cell, 2003, 113, 519-531.	13.5	185
60	Mutations in the unfolded protein response regulator ATF6 cause the cone dysfunction disorder achromatopsia. Nature Genetics, 2015, 47, 757-765.	9.4	183
61	IRE1Î±-XBP1s Induces PDI Expression to Increase MTP Activity for Hepatic VLDL Assembly and Lipid Homeostasis. Cell Metabolism, 2012, 16, 473-486.	7.2	181
62	Senescence-associated secretory phenotype contributes to pathological angiogenesis in retinopathy. Science Translational Medicine, 2016, 8, 362ra144.	5.8	177
63	Expression and Characterization of Bone Morphogenetic Protein-2 in Chinese Hamster Ovary Cells. Growth Factors, 1992, 7, 139-150.	0.5	175
64	Toll-like receptor-mediated IRE1Î± activation as a therapeutic target for inflammatory arthritis. EMBO Journal, 2013, 32, 2477-2490.	3.5	175
65	Non-canonical function of IRE1Î± determines mitochondria-associated endoplasmic reticulum composition to control calcium transfer and bioenergetics. Nature Cell Biology, 2019, 21, 755-767.	4.6	168
66	Regulation of Apoptosis by the Unfolded Protein Response. Methods in Molecular Biology, 2009, 559, 191-204.	0.4	166
67	Calcium trafficking integrates endoplasmic reticulum function with mitochondrial bioenergetics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2233-2239.	1.9	166
68	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. Hepatology, 2012, 55, 1070-1082.	3.6	163
69	Translational control of mGluR-dependent long-term depression and object-place learning by eIF2Î±. Nature Neuroscience, 2014, 17, 1073-1082.	7.1	159
70	Regulation of mRNA translation by protein folding in the endoplasmic reticulum. Trends in Biochemical Sciences, 2004, 29, 152-158.	3.7	150
71	Pancreatic Cancerâ€“Derived Exosomes Cause Paraneoplastic Î²-cell Dysfunction. Clinical Cancer Research, 2015, 21, 1722-1733.	3.2	147
72	Biosynthesis, structure, and folding of the insulin precursor protein. Diabetes, Obesity and Metabolism, 2018, 20, 28-50.	2.2	140

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73	Differential Interaction of Coagulation Factor VIII and Factor V with Protein Chaperones Calnexin and Calreticulin. Journal of Biological Chemistry, 1998, 273, 8537-8544.	1.6	137
74	A Crucial Role for RACK1 in the Regulation of Glucose-Stimulated IRE1Î± Activation in Pancreatic Î² Cells. Science Signaling, 2010, 3, ra7.	1.6	130
75	The IRE1Î±/XBP1s Pathway Is Essential for the Glucose Response and Protection of Î² Cells. PLoS Biology, 2015, 13, e1002277.	2.6	130
76	Double-stranded RNA-dependent Protein Kinase Phosphorylation of the Î±-Subunit of Eukaryotic Translation Initiation Factor 2 Mediates Apoptosis. Journal of Biological Chemistry, 2006, 281, 21458-21468.	1.6	119
77	Mannose-dependent Endoplasmic Reticulum (ER)-Golgi Intermediate Compartment-53-mediated ER to Golgi Trafficking of Coagulation Factors V and VIII. Journal of Biological Chemistry, 1999, 274, 32539-32542.	1.6	117
78	Ultraviolet Light Activates NFÎºB through Translational Inhibition of IÎºBÎ± Synthesis. Journal of Biological Chemistry, 2004, 279, 34898-34902.	1.6	114
79	Gut microbiota dependent anti-tumor immunity restricts melanoma growth in Rnf5â^'/â^' mice. Nature Communications, 2019, 10, 1492.	5.8	114
80	Combined deficiency of factor V and factor VIII is due to mutations in either LMAN1 or MCFD2. Blood, 2006, 107, 1903-1907.	0.6	111
81	Unfolded protein responseâ€induced <scp>ER</scp> dj3 secretion links <scp>ER</scp> stress to extracellular proteostasis. EMBO Journal, 2015, 34, 4-19.	3.5	110
82	Therapeutic opportunities for pancreatic Î²-cell ER stress in diabetes mellitus. Nature Reviews Endocrinology, 2021, 17, 455-467.	4.3	106
83	IRE1A Stimulates Hepatocyte-Derived Extracellular Vesicles That Promote Inflammation in Mice With Steatohepatitis. Gastroenterology, 2020, 159, 1487-1503.e17.	0.6	105
84	Two Homologues Encoding Human UDP-Glucose:Glycoprotein Glucosyltransferase Differ in mRNA Expression and Enzymatic Activityâ€. Biochemistry, 2000, 39, 2149-2163.	1.2	104
85	Cleavage of Factor V at Arg 506 by Activated Protein C and the Expression of Anticoagulant Activity of Factor V. Blood, 1999, 93, 2552-2558.	0.6	103
86	The Protein Kinase/Endoribonuclease IRE1Î± That Signals the Unfolded Protein Response Has a Luminal N-terminal Ligand-independent Dimerization Domain. Journal of Biological Chemistry, 2002, 277, 18346-18356.	1.6	103
87	Proinsulin misfolding is an early event in the progression to type 2 diabetes. ELife, 2019, 8, .	2.8	103
88	Physiological/pathological ramifications of transcription factors in the unfolded protein response. Genes and Development, 2017, 31, 1417-1438.	2.7	98
89	IRE1Î± prevents hepatic steatosis by processing and promoting the degradation of select microRNAs. Science Signaling, 2018, 11, .	1.6	95
90	Mutagenesis of a Potential Immunoglobulin-binding Protein-binding Site Enhances Secretion of Coagulation Factor VIII. Journal of Biological Chemistry, 1997, 272, 24121-24124.	1.6	94

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91	Interplay Between the Oxidoreductase PDIA6 and microRNA-322 Controls the Response to Disrupted Endoplasmic Reticulum Calcium Homeostasis. Science Signaling, 2014, 7, ra54.	1.6	92
92	Identification and Functional Requirement of Cu(I) and Its Ligands within Coagulation Factor VIII. Journal of Biological Chemistry, 1997, 272, 27428-27434.	1.6	80
93	C/EBP Homologous Protein-induced Macrophage Apoptosis Protects Mice from Steatohepatitis. Journal of Biological Chemistry, 2013, 288, 18624-18642.	1.6	78
94	Potential role of PKR in double-stranded RNA-induced macrophage activation. EMBO Journal, 2000, 19, 3630-3638.	3.5	77
95	Substrate-Specific Requirements for UGT1-Dependent Release from Calnexin. Molecular Cell, 2007, 27, 238-249.	4.5	77
96	Maternal immune activation in mice disrupts proteostasis in the fetal brain. Nature Neuroscience, 2021, 24, 204-213.	7.1	76
97	Glucose Activates a Protein Phosphatase-1-Mediated Signaling Pathway to Enhance Overall Translation in Pancreatic Î²-Cells. Endocrinology, 2007, 148, 609-617.	1.4	75
98	eIF2Î± controls memory consolidation via excitatory and somatostatin neurons. Nature, 2020, 586, 412-416.	13.7	74
99	The Levels of Endoplasmic Reticulum Proteins and ATP Affect Folding and Secretion of Selective Proteins. Biologicals, 1994, 22, 103-112.	0.5	73
100	Ufbp1 promotes plasma cell development and ER expansion by modulating distinct branches of UPR. Nature Communications, 2019, 10, 1084.	5.8	73
101	Rescue of Glaucomatous Neurodegeneration by Differentially Modulating Neuronal Endoplasmic Reticulum Stress Molecules. Journal of Neuroscience, 2016, 36, 5891-5903.	1.7	72
102	PDIA1/P4HB is required for efficient proinsulin maturation and ÃŸ cell health in response to diet induced obesity. ELife, 2019, 8, .	2.8	69
103	Cleavage Requirements for Activation of Factor V by Factor Xa. FEBS Journal, 1997, 247, 12-20.	0.2	64
104	Endoplasmic reticulum stress in liver diseases. Hepatology, 2023, 77, 619-639.	3.6	63
105	A 110-amino Acid Region within the A1-domain of Coagulation Factor VIII Inhibits Secretion from Mammalian Cells. Journal of Biological Chemistry, 1995, 270, 10297-10303.	1.6	62
106	Overview of Vector Design for Mammalian Gene Expression. Molecular Biotechnology, 2000, 16, 151-160.	1.3	59
107	HRI coordinates translation by eIF2Î±P and mTORC1 to mitigate ineffective erythropoiesis in mice during iron deficiency. Blood, 2018, 131, 450-461.	0.6	55
108	Structure-Function Relationships of Factor VIII Elucidated through Recombinant DNA Technology. Thrombosis and Haemostasis, 1989, 61, 161-165.	1.8	54

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109	Antioxidants Complement the Requirement for Protein Chaperone Function to Maintain Î²-Cell Function and Glucose Homeostasis. Diabetes, 2015, 64, 2892-2904.	0.3	53
110	Mitochondria supply ATP to the ER through a mechanism antagonized by cytosolic Ca2+. ELife, 2019, 8, .	2.8	51
111	C/EBP-Homologous Protein (CHOP) in Vascular Smooth Muscle Cells Regulates Their Proliferation in Aortic Explants and Atherosclerotic Lesions. Circulation Research, 2015, 116, 1736-1743.	2.0	49
112	Conservation and Divergence of the Yeast and Mammalian Unfolded Protein Response. Journal of Biological Chemistry, 1999, 274, 30402-30409.	1.6	46
113	ATP-Dependent Dissociation of Non-Disulfide-Linked Aggregates of Coagulation Factor VIII Is a Rate-Limiting Step for Secretion. Biochemistry, 2000, 39, 1973-1981.	1.2	45
114	Transcription Factor ATF4 Induces NLRP1 Inflammasome Expression during Endoplasmic Reticulum Stress. PLoS ONE, 2015, 10, e0130635.	1.1	45
115	Complementary Cell-Based High-Throughput Screens Identify Novel Modulators of the Unfolded Protein Response. Journal of Biomolecular Screening, 2011, 16, 825-835.	2.6	44
116	Identification and Requirement of Three Ribosome Binding Domains in dsRNA-Dependent Protein Kinase (PKR). Biochemistry, 1998, 37, 13816-13826.	1.2	43
117	The eIF2Î± Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. Neuron, 2019, 104, 724-735.e6.	3.8	43
118	Factor VIII exhibits chaperone-dependent and glucose-regulated reversible amyloid formation in the endoplasmic reticulum. Blood, 2020, 135, 1899-1911.	0.6	42
119	Molecular approaches for improved clotting factors for hemophilia. Blood, 2013, 122, 3568-3574.	0.6	40
120	UDP-glucose:glycoprotein glucosyltransferase (UGGT1) promotes substrate solubility in the endoplasmic reticulum. Molecular Biology of the Cell, 2013, 24, 2597-2608.	0.9	40
121	Normal and defective pathways in biogenesis and maintenance of the insulin storage pool. Journal of Clinical Investigation, 2021, 131, .	3.9	39
122	Ire1Î± in Pomc Neurons Is Required for Thermogenesis and Glycemia. Diabetes, 2017, 66, 663-673.	0.3	38
123	Chop / Ddit3 depletion in Î² cells alleviates ER stress and corrects hepatic steatosis in mice. Science Translational Medicine, 2021, 13, .	5.8	38
124	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. Biochemistry, 1996, 35, 8275-8280.	1.2	36
125	Fine Tuning of the UPR by the Ubiquitin Ligases Siah1/2. PLoS Genetics, 2014, 10, e1004348.	1.5	33
126	Beta-Cell Failure, Stress, and Type 2 Diabetes. New England Journal of Medicine, 2011, 365, 1931-1933.	13.9	30

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127	Borrelidin Induces the Unfolded Protein Response in Oral Cancer Cells and Chop-Dependent Apoptosis. ACS Medicinal Chemistry Letters, 2015, 6, 1122-1127.	1.3	28
128	Novel Lobophorins Inhibit Oral Cancer Cell Growth and Induce Atf4- and Chop-Dependent Cell Death in Murine Fibroblasts. ACS Medicinal Chemistry Letters, 2015, 6, 877-881.	1.3	26
129	Selective Assembly of Na,K-ATPase Î±2Î²2 Heterodimers in the Heart. Journal of Biological Chemistry, 2016, 291, 23159-23174.	1.6	26
130	Disulfiram (Antabuse) Activates ROS-Dependent ER Stress and Apoptosis in Oral Cavity Squamous Cell Carcinoma. Journal of Clinical Medicine, 2019, 8, 611.	1.0	26
131	Concomitant Nrf2- and ATF4-activation by Carnosic Acid Cooperatively Induces Expression of Cytoprotective Genes. International Journal of Molecular Sciences, 2019, 20, 1706.	1.8	26
132	Ameliorating Methylglyoxal-Induced Progenitor Cell Dysfunction for Tissue Repair in Diabetes. Diabetes, 2019, 68, 1287-1302.	0.3	25
133	Role of Proinsulin Self-Association in Mutant INS Geneâ€“Induced Diabetes of Youth. Diabetes, 2020, 69, 954-964.	0.3	24
134	Inositolâ€requiring 1/Xâ€boxâ€binding protein 1 is a regulatory hub that links endoplasmic reticulum homeostasis with innate immunity and metabolism. EMBO Molecular Medicine, 2010, 2, 189-192.	3.3	23
135	High-content screen for modifiers of Niemann-Pick type C disease in patient cells. Human Molecular Genetics, 2018, 27, 2101-2112.	1.4	23
136	Identification of protein disulfide isomerase 1 as a key isomerase for disulfide bond formation in apolipoprotein B100. Molecular Biology of the Cell, 2015, 26, 594-604.	0.9	22
137	Importance of individual activated protein C cleavage site regions in coagulation Factor V for Factor Va inactivation and for Factor Xa activation. FEBS Journal, 1999, 260, 64-75.	0.2	20
138	Discovery of Sulfonamidebenzamides as Selective Apoptotic CHOP Pathway Activators of the Unfolded Protein Response. ACS Medicinal Chemistry Letters, 2014, 5, 1278-1283.	1.3	19
139	Unbiased Profiling of the Human Proinsulin Biosynthetic Interaction Network Reveals a Role for Peroxiredoxin 4 in Proinsulin Folding. Diabetes, 2020, 69, 1723-1734.	0.3	17
140	The Impact of the ER Unfolded Protein Response on Cancer Initiation and Progression: Therapeutic Implications. Advances in Experimental Medicine and Biology, 2020, 1243, 113-131.	0.8	17
141	Measurement of the Unfolded Protein Response to Investigate Its Role in Adipogenesis and Obesity. Methods in Enzymology, 2014, 538, 135-150.	0.4	16
142	The ER Unfolded Protein Response Effector, ATF6, Reduces Cardiac Fibrosis and Decreases Activation of Cardiac Fibroblasts. International Journal of Molecular Sciences, 2020, 21, 1373.	1.8	16
143	Large-Scale Analysis of UPR-Mediated Apoptosis in Human Cells. Methods in Enzymology, 2011, 491, 57-71.	0.4	15
144	When Less Is Better: ER Stress and Beta Cell Proliferation. Developmental Cell, 2016, 36, 4-6.	3.1	15

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145	Phosphorylation of eIF2Î± Promotes Schwann Cell Differentiation and Myelination in CMT1B Mice with Activated UPR. Journal of Neuroscience, 2020, 40, 8174-8187.	1.7	14
146	Molecular approaches for improved clotting factors for hemophilia. Hematology American Society of Hematology Education Program, 2013, 2013, 30-36.	0.9	11
147	Novel Bioinformatics Method for Identification of Genome-Wide Non-Canonical Spliced Regions Using RNA-Seq Data. PLoS ONE, 2014, 9, e100864.	1.1	10
148	Lipase Maturation Factor 1 (Lmf1) Is Induced by Endoplasmic Reticulum Stress Through Activating Transcription Factor 6Î± (Atf6Î±) Signaling. Journal of Biological Chemistry, 2014, 289, 24417-24427.	1.6	10
149	Functional analysis of the mammalian RNA ligase for IRE1 in the unfolded protein response. Bioscience Reports, 2017, 37, .	1.1	10
150	Targeting the unfolded protein response in head and neck and oral cavity cancers. Experimental Cell Research, 2019, 382, 111386.	1.2	10
151	Defects in Protein Folding and/or Quality Control Cause Protein Aggregation in the EndoplasmicÂReticulum. Progress in Molecular and Subcellular Biology, 2021, 59, 115-143.	0.9	9
152	Domain compatibility in Ire1 kinase is critical for the unfolded protein response. FEBS Letters, 2010, 584, 3203-3208.	1.3	8
153	eIF2Î± confers cellular tolerance to S. aureus Î±-toxin. Frontiers in Immunology, 2015, 6, 383.	2.2	8
154	DIRECTED MUTAGENESIS IN THE STUDY OF THE REQUIREMENTS FOR FACTOR VIII ACTIVITY IN VITRO AND IN VIVO. Thrombosis and Haemostasis, 1987, 58, 1970.	1.8	4
155	<scp>IRE</scp>1Î± nucleotide sequence cleavage specificity in the unfolded protein response. FEBS Letters, 2017, 591, 406-414.	1.3	4
156	Eukaryotic translation initiation factor 2 Î± phosphorylation as a therapeutic target in diabetes. Expert Review of Endocrinology and Metabolism, 2014, 9, 345-356.	1.2	3
157	Calcineurin Activity Is Increased in Charcot-Marie-Tooth 1B Demyelinating Neuropathy. Journal of Neuroscience, 2021, 41, 4536-4548.	1.7	3
158	ANALYSIS OF STRUCTURAL REQUIREMENTS FOR FACTOR VIII FUNCTION USING SITE-DIRECTED MUTAGENESIS. , 1987, 58, 1245.		2
159	In Vitro Stimulation of IRE1Î±/XBP1-Deficient B Cells with LPS. Methods in Molecular Biology, 2022, 2378, 221-231.	0.4	2
160	Development of a Reporter System Monitoring Regulated Intramembrane Proteolysis of the Transmembrane bZIP Transcription Factor ATF6Î±. Molecules and Cells, 2019, 42, 783-793.	1.0	1
161	THE INFLUENCE OF N-LINKED GLYCOSYLATION AND BINDING PROTEIN (BiP) ASSOCIATION IN THE SECRETION EFFICIENCY OF COMPLEX GLYCOPROTEINS. , 1987, 58, 1217.		0
162	Antioxidants Improve Factor VIII Secretion in the Liver by Preventing Oxidative Stress, Activation of the Unfolded Protein Response, and Apoptosis.. Blood, 2006, 108, 197-197.	0.6	0

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163	Factor VIII Biosynthesis and the Unfolded Protein Response.. Blood, 2009, 114, SCI-19-SCI-19.	0.6	0
164	Overview of Protein Expression in Mammalian Cells. Current Protocols in Molecular Biology, 1991, 14, 16.12.1-16.12.6.	2.9	0
165	Astroglial ER protein Membralin is an essential neuroinflammation regulator. Alzheimer's and Dementia, 2021, 17, e058566.	0.4	0