David Ron

List of Publications by Year
in descending order

268	86,413	476 126	403 273
papers	citations	h-index	g-index

362	362	362	53259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Signal integration in the endoplasmic reticulum unfolded protein response. Nature Reviews Molecular Cell Biology, 2007, 8, 519-529.	36.5	5,590
2	The Unfolded Protein Response: From Stress Pathway to Homeostatic Regulation. Science, 2011, 334, 1081-1086.	19.6	4,931
3	Protein translation and folding are coupled by an endoplasmic-reticulum-resident kinase. Nature, 1999, 397, 271-274.	35.3	2,909
4	An Integrated Stress Response Regulates Amino Acid Metabolism and Resistance to Oxidative Stress. Molecular Cell, 2003, 11, 619-633.	9.4	2,864
5	Regulated Translation Initiation Controls Stress-Induced Gene Expression in Mammalian Cells. Molecular Cell, 2000, 6, 1099-1108.	9.4	2,800
6	IRE1 couples endoplasmic reticulum load to secretory capacity by processing the XBP-1 mRNA. Nature, 2002, 415, 92-96.	35.3	2,499
7	Dynamic interaction of BiP and ER stress transducers in the unfolded-protein response. Nature Cell Biology, 2000, 2, 326-332.	9.9	2,455
8	Integrating the mechanisms of apoptosis induced by endoplasmic reticulum stress. Nature Cell Biology, 2011, 13, 184-190.	9.9	2,236
9	CHOP is implicated in programmed cell death in response to impaired function of the endoplasmicÂreticulum. Genes and Development, 1998, 12, 982-995.	5.8	1,791
10	Perk Is Essential for Translational Regulation and Cell Survival during the Unfolded Protein Response. Molecular Cell, 2000, 5, 897-904.	9.4	1,783
11	CHOP induces death by promoting protein synthesis and oxidation in the stressed endoplasmic reticulum. Genes and Development, 2004, 18, 3066-3077.	5.8	1,685
12	SomaticCALRMutations in Myeloproliferative Neoplasms with NonmutatedJAK2. New England Journal of Medicine, 2013, 369, 2391-2405.	29.6	1,584
13	A Selective Inhibitor of eIF2Î± Dephosphorylation Protects Cells from ER Stress. Science, 2005, 307, 935-939.	19.6	1,297
14	Feedback Inhibition of the Unfolded Protein Response by GADD34-Mediated Dephosphorylation of eIF2Î±. Journal of Cell Biology, 2001, 153, 1011-1022.	5.1	1,217
15	GCN2 Kinase in T Cells Mediates Proliferative Arrest and Anergy Induction in Response to Indoleamine 2,3-Dioxygenase. Immunity, 2005, 22, 633-642.	13.8	1,105
16	Diabetes Mellitus and Exocrine Pancreatic Dysfunction in Perkâ^'/â^' Mice Reveals a Role for Translational Control in Secretory Cell Survival. Molecular Cell, 2001, 7, 1153-1163.	9.4	1,102
17	CHOP, a novel developmentally regulated nuclear protein that dimerizes with transcription factors C/EBP and LAP and functions as a dominant-negative inhibitor of gene transcription.. Genes and Development, 1992, 6, 439-453.	5.8	1,067
18	A membrane protein complex mediates retro-translocation from the ER lumen into the cytosol. Nature, 2004, 429, 841-847.	35.3	872

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19	Fusion of CHOP to a novel RNA-binding protein in human myxoid liposarcoma. Nature, 1993, 363, 640-644.	35.3	867
20	Endoplasmic Reticulum Stress Signaling in Disease. Physiological Reviews, 2006, 86, 1133-1149.	28.3	843
21	Transcriptional and Translational Control in the Mammalian Unfolded Protein Response. Annual Review of Cell and Developmental Biology, 2002, 18, 575-599.	9.4	841
22	Translation reinitiation at alternative open reading frames regulates gene expression in an integrated stress response. Journal of Cell Biology, 2004, 167, 27-33.	5.1	813
23	The endoplasmic reticulum is the site of cholesterol-induced cytotoxicity in macrophages. Nature Cell Biology, 2003, 5, 781-792.	9.9	788
24	ALS/FTD Mutation-Induced Phase Transition of FUS Liquid Droplets and Reversible Hydrogels into Irreversible Hydrogels Impairs RNP Granule Function. Neuron, 2015, 88, 678-690.	7.9	746
25	Cloning of mammalian Ire1 reveals diversity in the ER stress responses. EMBO Journal, 1998, 17, 5708-5717.	7.6	711
26	Translational control in the endoplasmic reticulum stress response. Journal of Clinical Investigation, 2002, 110, 1383-1388.	6.5	651
27	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. EMBO Journal, 2005, 24, 3470-3481.	7.6	641
28	Linking of Autophagy to Ubiquitin-Proteasome System Is Important for the Regulation of Endoplasmic Reticulum Stress and Cell Viability. American Journal of Pathology, 2007, 171, 513-524.	4.0	630
29	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.	6.5	601
30	Translational Repression Mediates Activation of Nuclear Factor Kappa B by Phosphorylated Translation Initiation Factor 2. Molecular and Cellular Biology, 2004, 24, 10161-10168.	2.4	576
31	The GCN2-ATF4 pathway is critical for tumour cell survival and proliferation in response to nutrient deprivation. EMBO Journal, 2010, 29, 2082-2096.	7.6	557
32	Membrane lipid saturation activates endoplasmic reticulum unfolded protein response transducers through their transmembrane domains. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4628-4633.	7.4	549
33	Compartment-specific perturbation of protein handling activates genes encoding mitochondrial chaperones. Journal of Cell Science, 2004, 117, 4055-4066.	2.0	544
34	ClpP Mediates Activation of a Mitochondrial Unfolded Protein Response in C. elegans. Developmental Cell, 2007, 13, 467-480.	6.9	522
35	Role of ERO1-Î±â€“mediated stimulation of inositol 1,4,5-triphosphate receptor activity in endoplasmic reticulum stressâ€“induced apoptosis. Journal of Cell Biology, 2009, 186, 783-792.	5.1	518
36	Endoplasmic Reticulum Stress and the Unfolded Protein Response in Cellular Models of Parkinson's Disease. Journal of Neuroscience, 2002, 22, 10690-10698.	3.7	518

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37	The molecular basis for selective inhibition of unconventional mRNA splicing by an IRE1-binding small molecule. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E869-78.	7.4	495
38	The gadd and MyD genes define a novel set of mammalian genes encoding acidic proteins that synergistically suppress cell growth.. Molecular and Cellular Biology, 1994, 14, 2361-2371.	2.4	472
39	The Matrix Peptide Exporter HAF-1 Signals a Mitochondrial UPR by Activating the Transcription Factor ZC376.7 in C. elegans. Molecular Cell, 2010, 37, 529-540.	9.4	448
40	Activating Transcription Factor 3 Is Integral to the Eukaryotic Initiation Factor 2 Kinase Stress Response. Molecular and Cellular Biology, 2004, 24, 1365-1377.	2.4	444
41	The mitochondrial UPR â€“ protecting organelle protein homeostasis. Journal of Cell Science, 2010, 123, 3849-3855.	2.0	438
42	Translational control in the endoplasmic reticulum stress response. Journal of Clinical Investigation, 2002, 110, 1383-1388.	6.5	420
43	Stress-induced gene expression requires programmed recovery from translational repression. EMBO Journal, 2003, 22, 1180-1187.	7.6	419
44	Dephosphorylation of Translation Initiation Factor 2Î± Enhances Glucose Tolerance and Attenuates Hepatosteatosis in Mice. Cell Metabolism, 2008, 7, 520-532.	15.5	394
45	Activating Transcription Factor 4 Is Translationally Regulated by Hypoxic Stress. Molecular and Cellular Biology, 2004, 24, 7469-7482.	2.4	387
46	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	35.3	370
47	Increased sensitivity to dextran sodium sulfate colitis in IRE1Î²-deficient mice. Journal of Clinical Investigation, 2001, 107, 585-593.	6.5	360
48	Translational control of hippocampal synaptic plasticity and memory by the eIF2Î± kinase GCN2. Nature, 2005, 436, 1166-1170.	35.3	356
49	Cytoprotection by pre-emptive conditional phosphorylation of translation initiation factor 2. EMBO Journal, 2004, 23, 169-179.	7.6	340
50	Control of PERK eIF2Â kinase activity by the endoplasmic reticulum stress-induced molecular chaperone P58IPK. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15920-15925.	7.4	335
51	Ubiquitin-Like Protein 5 Positively Regulates Chaperone Gene Expression in the Mitochondrial Unfolded Protein Response. Genetics, 2006, 174, 229-239.	2.9	331
52	GDF15 Provides an Endocrine Signal of Nutritional Stress in Mice and Humans. Cell Metabolism, 2019, 29, 707-718.e8.	15.5	322
53	Reduced Apoptosis and Plaque Necrosis in Advanced Atherosclerotic Lesions of Apoeâ^'/â^' and Ldlrâ^'/â^' Mice Lacking CHOP. Cell Metabolism, 2009, 9, 474-481.	15.5	309
54	ERAD inhibitors integrate ER stress with an epigenetic mechanism to activate BH3-only protein NOXA in cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2200-2205.	7.4	308

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55	TLS (FUS) binds RNA in vivo and engages in nucleo-cytoplasmic shuttling. Journal of Cell Science, 1997, 110, 1741-1750.	2.0	302
56	CHOP (GADD153) and its oncogenic variant, TLS-CHOP, have opposing effects on the induction of G1/S arrest.. Genes and Development, 1994, 8, 453-464.	5.8	299
57	Infectious tolerance via the consumption of essential amino acids and mTOR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12055-12060.	7.4	297
58	C2 Region-derived Peptides Inhibit Translocation and Function of Î² Protein Kinase C in Vivo. Journal of Biological Chemistry, 1995, 270, 24180-24187.	3.4	294
59	Role for Activating Transcription Factor 3 in Stress-Induced Î²-Cell Apoptosis. Molecular and Cellular Biology, 2004, 24, 5721-5732.	2.4	292
60	Inhibition of a constitutive translation initiation factor 2Î± phosphatase, CReP, promotes survival of stressed cells. Journal of Cell Biology, 2003, 163, 767-775.	5.1	290
61	Identification of novel stress-induced genes downstream of chop. EMBO Journal, 1998, 17, 3619-3630.	7.6	288
62	Rearrangement of the transcription factor gene CHOP in myxoid liposarcomas with t(12;16)(q13;p11). Genes Chromosomes and Cancer, 1992, 5, 278-285.	3.2	285
63	Partial restoration of protein synthesis rates by the small molecule ISRIB prevents neurodegeneration without pancreatic toxicity. Cell Death and Disease, 2015, 6, e1672-e1672.	6.3	277
64	Hematopoietic, angiogenic and eye defects in Meis1 mutant animals. EMBO Journal, 2004, 23, 450-459.	7.6	273
65	Oxidative Protein Folding by an Endoplasmic Reticulum-Localized Peroxiredoxin. Molecular Cell, 2010, 40, 787-797.	9.4	273
66	Divergent Effects of PERK and IRE1 Signaling on Cell Viability. PLoS ONE, 2009, 4, e4170.	2.5	269
67	CHOP/GADD153 is a mediator of apoptotic death in substantia nigra dopamine neurons in an in vivo neurotoxin model of parkinsonism. Journal of Neurochemistry, 2005, 95, 974-986.	4.0	267
68	Perk-Dependent Translational Regulation Promotes Tumor Cell Adaptation and Angiogenesis in Response to Hypoxic Stress. Molecular and Cellular Biology, 2006, 26, 9517-9532.	2.4	264
69	C/ATF, a member of the activating transcription factor family of DNA-binding proteins, dimerizes with CAAT/enhancer-binding proteins and directs their binding to cAMP response elements.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4679-4683.	7.4	252
70	Activation of GCN2 in UV-Irradiated Cells Inhibits Translation. Current Biology, 2002, 12, 1279-1286.	3.9	251
71	Ablation of the UPR-Mediator CHOP Restores MotorÂFunction and Reduces Demyelination inÂCharcot-Marie-Tooth 1B Mice. Neuron, 2008, 57, 393-405.	7.9	251
72	A novel effector domain from the RNA-binding protein TLS or EWS is required for oncogenic transformation by CHOP.. Genes and Development, 1994, 8, 2513-2526.	5.8	247

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73	Adaptive suppression of the ATF4â€“CHOP branch of the unfolded protein response by toll-like receptor signalling. Nature Cell Biology, 2009, 11, 1473-1480.	9.9	243
74	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.	7.4	240
75	Mammalian stress granules represent sites of accumulation of stalled translation initiation complexes. American Journal of Physiology - Cell Physiology, 2003, 284, C273-C284.	4.5	239
76	Heat Shock Protein 90 Modulates the Unfolded Protein Response by Stabilizing IRE1Î±. Molecular and Cellular Biology, 2002, 22, 8506-8513.	2.4	236
77	IRE1 and efferent signaling from the endoplasmic reticulum. Journal of Cell Science, 2000, 113, 3697-3702.	2.0	230
78	Cotranslocational Degradation Protects the Stressed Endoplasmic Reticulum from Protein Overload. Cell, 2006, 126, 727-739.	27.3	226
79	Transcriptional Regulation of VEGF-A by the Unfolded Protein Response Pathway. PLoS ONE, 2010, 5, e9575.	2.5	223
80	Lipid-dependent regulation of the unfolded protein response. Current Opinion in Cell Biology, 2015, 33, 67-73.	5.4	217
81	ERO1-Î², a pancreas-specific disulfide oxidase, promotes insulin biogenesis and glucose homeostasis. Journal of Cell Biology, 2010, 188, 821-832.	5.1	216
82	Pharmacological targeting of endoplasmic reticulum stress in disease. Nature Reviews Drug Discovery, 2022, 21, 115-140.	60.2	216
83	How IRE1 Reacts to ER Stress. Cell, 2008, 132, 24-26.	27.3	213
84	The gadd and MyD Genes Define a Novel Set of Mammalian Genes Encoding Acidic Proteins That Synergistically Suppress Cell Growth. Molecular and Cellular Biology, 1994, 14, 2361-2371.	2.4	213
85	Brain ischemia and reperfusion activates the eukaryotic initiation factor 2Î± kinase, PERK. Journal of Neurochemistry, 2001, 77, 1418-1421.	4.0	212
86	Inhibition of adipogenesis by the stress-induced protein CHOP (Gadd153).. EMBO Journal, 1995, 14, 4654-4661.	7.6	211
87	Male sterility and enhanced radiation sensitivity in TLS-/- mice. EMBO Journal, 2000, 19, 453-462.	7.6	209
88	ATF4 mediation of NF1 functions in osteoblast revealsÂa nutritional basis for congenital skeletal dysplasiae. Cell Metabolism, 2006, 4, 441-451.	15.5	208
89	A novel role for XIAP in copper homeostasis through regulation of MURR1. EMBO Journal, 2004, 23, 244-254.	7.6	205
90	Transmission of cell stress from endoplasmic reticulum to mitochondria. Journal of Cell Biology, 2002, 157, 1151-1160.	5.1	194

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91	The GCN2 kinase biases feeding behavior to maintain amino acid homeostasis in omnivores. Cell Metabolism, 2005, 1, 273-277.	15.5	192
92	Plasmacytoid dendritic cells control T-cell response to chronic viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3012-3017.	7.4	192
93	An autoregulatory region in protein kinase C: the pseudoanchoring site.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 492-496.	7.4	191
94	Interferon-Î³ inhibits central nervous system remyelination through a process modulated by endoplasmic reticulum stress. Brain, 2006, 129, 1306-1318.	7.9	189
95	A J-Protein Co-chaperone Recruits BiP to Monomerize IRE1 and Repress the Unfolded Protein Response. Cell, 2017, 171, 1625-1637.e13.	27.3	189
96	Amino Acid Limitation Induces Expression of CHOP, a CCAAT/Enhancer Binding Protein-related Gene, at Both Transcriptional and Post-transcriptional Levels. Journal of Biological Chemistry, 1997, 272, 17588-17593.	3.4	187
97	A survival pathway forCaenorhabditis eleganswith a blocked unfolded protein response. Journal of Cell Biology, 2002, 158, 639-646.	5.1	186
98	Endoplasmic reticulum stress modulates the response of myelinating oligodendrocytes to the immune cytokine interferon-Î³. Journal of Cell Biology, 2005, 169, 603-612.	5.1	183
99	Flavonol Activation Defines an Unanticipated Ligand-Binding Site in the Kinase-RNase Domain of IRE1. Molecular Cell, 2010, 38, 291-304.	9.4	177
100	Antiviral effect of the mammalian translation initiation factor 2Î± kinase GCN2 against RNA viruses. EMBO Journal, 2006, 25, 1730-1740.	7.6	176
101	Compartmentalization established by claudin-11-based tight junctions in stria vascularis is required for hearing through generation of endocochlear potential. Journal of Cell Science, 2004, 117, 5087-5096.	2.0	172
102	The integrated stress response prevents demyelination by protecting oligodendrocytes against immune-mediated damage. Journal of Clinical Investigation, 2007, 117, 448-456.	6.5	171
103	A family of constitutive C/EBP-like DNA binding proteins attenuate the IL-1 alpha induced, NF kappa B mediated trans-activation of the angiotensinogen gene acute-phase response element.. EMBO Journal, 1990, 9, 3933-3944.	7.6	170
104	The ER stress transducer IRE1Î² is required for airway epithelial mucin production. Mucosal Immunology, 2013, 6, 639-654.	6.0	157
105	Role for the obesity-related FTO gene in the cellular sensing of amino acids. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2557-2562.	7.4	156
106	Human 75-kDa DNA-pairing Protein Is Identical to the Pro-oncoprotein TLS/FUS and Is Able to Promote D-loop Formation. Journal of Biological Chemistry, 1999, 274, 34337-34342.	3.4	150
107	Activation-dependent substrate recruitment by the eukaryotic translation initiation factor 2 kinase PERK. Journal of Cell Biology, 2006, 172, 201-209.	5.1	150
108	Expression Patterns of the Human Sarcoma-Associated GenesFUSandEWSand the Genomic Structure ofFUS. Genomics, 1996, 37, 1-8.	2.9	147

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109	Early Events in the Endoplasmic Reticulum Unfolded Protein Response. Cold Spring Harbor Perspectives in Biology, 2019, 11, a033894.	5.2	147
110	Negative feedback by IRE1Î² optimizes mucin production in goblet cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2864-2869.	7.4	144
111	Defective ATG16L1-mediated removal of IRE1Î± drives Crohnâ€™s diseaseâ€“like ileitis. Journal of Experimental Medicine, 2017, 214, 401-422.	8.6	144
112	Upregulation of BiP and CHOP by the unfolded-protein response is independent of presenilin expression. Nature Cell Biology, 2000, 2, 863-870.	9.9	136
113	Disulphide production by Ero1Î±â€“PDI relay is rapid and effectively regulated. EMBO Journal, 2010, 29, 3318-3329.	7.6	136
114	Inhibition of Nonsense-Mediated RNA Decay by the Tumor Microenvironment Promotes Tumorigenesis. Molecular and Cellular Biology, 2011, 31, 3670-3680.	2.4	136
115	Tumor necrosis factor-induced reversal of adipocytic phenotype of 3T3-L1 cells is preceded by a loss of nuclear CCAAT/enhancer binding protein (C/EBP).. Journal of Clinical Investigation, 1992, 89, 223-233.	6.5	136
116	Neuromodulatory Control of Long-Term Behavioral Patterns and Individuality across Development. Cell, 2017, 171, 1649-1662.e10.	27.3	135
117	New Insights into Translational Regulation in the Endoplasmic Reticulum Unfolded Protein Response. Cold Spring Harbor Perspectives in Biology, 2012, 4, a012278-a012278.	5.2	134
118	Ero1-Î± and PDIs constitute a hierarchical electron transfer network of endoplasmic reticulum oxidoreductases. Journal of Cell Biology, 2013, 202, 861-874.	5.1	133
119	CHOP-Dependent Stress-Inducible Expression of a Novel Form of Carbonic Anhydrase VI. Molecular and Cellular Biology, 1999, 19, 495-504.	2.4	131
120	IRE1Î² Inhibits Chylomicron Production by Selectively Degrading MTP mRNA. Cell Metabolism, 2008, 7, 445-455.	15.5	131
121	Regulated association of misfolded endoplasmic reticulum lumenal proteins with P58/DNAJc3. EMBO Journal, 2008, 27, 2862-2872.	7.6	128
122	Proteotoxicity in the endoplasmic reticulum: lessons from the Akita diabetic mouse. Journal of Clinical Investigation, 2002, 109, 443-445.	6.5	128
123	Inhibition of CHOP translation by a peptide encoded by an open reading frame localized in the chop 5'UTR. Nucleic Acids Research, 2001, 29, 4341-4351.	13.8	122
124	Death Protein 5 and p53-Upregulated Modulator of Apoptosis Mediate the Endoplasmic Reticulum Stressâ€“Mitochondrial Dialog Triggering Lipotoxic Rodent and Human Î²-Cell Apoptosis. Diabetes, 2012, 61, 2763-2775.	0.9	119
125	Resetting translational homeostasis restores myelination in Charcot-Marie-Tooth disease type 1B mice. Journal of Experimental Medicine, 2013, 210, 821-838.	8.6	119
126	The structure of the PERK kinase domain suggests the mechanism for its activation. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 423-428.	2.4	115

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127	The ribosomal P-stalk couples amino acid starvation to GCN2 activation in mammalian cells. ELife, 2019, 8, .	5.8	111
128	AMPylation matches BiP activity to client protein load in the endoplasmic reticulum. ELife, 2015, 4, e12621.	5.8	108
129	ISRIB Blunts the Integrated Stress Response by Allosterically Antagonising the Inhibitory Effect of Phosphorylated eIF2 on eIF2B. Molecular Cell, 2021, 81, 88-103.e6.	9.4	106
130	Endoplasmic Reticulum Thiol Oxidase Deficiency Leads to Ascorbic Acid Depletion and Noncanonical Scurvy in Mice. Molecular Cell, 2012, 48, 39-51.	9.4	105
131	TLS (Translocated-in-Liposarcoma) Is a High-Affinity Interactor for Steroid, Thyroid Hormone, and Retinoid Receptors. Molecular Endocrinology, 1998, 12, 4-18.	3.4	99
132	Keratin 10 Gene Expression during Differentiation of Mouse Epidermis Requires Transcription Factors C/EBP and AP-2. Developmental Biology, 1999, 216, 164-181.	2.0	99
133	The dynamic ER: experimental approaches and current questions. Current Opinion in Cell Biology, 2005, 17, 409-414.	5.4	99
134	An Arsenite-Inducible 19S Regulatory Particle-Associated Protein Adapts Proteasomes to Proteotoxicity. Molecular Cell, 2006, 23, 875-885.	9.4	99
135	Lifetime imaging of a fluorescent protein sensor reveals surprising stability of ER thiol redox. Journal of Cell Biology, 2013, 201, 337-349.	5.1	98
136	Proteotoxicity in the endoplasmic reticulum: lessons from the Akita diabetic mouse. Journal of Clinical Investigation, 2002, 109, 443-445.	6.5	98
137	Protein-Folding Homeostasis in the Endoplasmic Reticulum and Nutritional Regulation. Cold Spring Harbor Perspectives in Biology, 2012, 4, a013177-a013177.	5.2	97
138	Proteasomal adaptation to environmental stress links resistance to proteotoxicity with longevity in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7094-7099.	7.4	96
139	ADP ribosylation adapts an ER chaperone response to short-term fluctuations in unfolded protein load. Journal of Cell Biology, 2012, 198, 371-385.	5.1	95
140	Oligodendrocyte-Specific Activation of PERK Signaling Protects Mice against Experimental Autoimmune Encephalomyelitis. Journal of Neuroscience, 2013, 33, 5980-5991.	3.7	95
141	Enhanced Integrated Stress Response Promotes Myelinating Oligodendrocyte Survival in Response to Interferon-Î³. American Journal of Pathology, 2008, 173, 1508-1517.	4.0	93
142	Uncoupling Proteostasis and Development in Vitro with a Small Molecule Inhibitor of the Pancreatic Endoplasmic Reticulum Kinase, PERK. Journal of Biological Chemistry, 2012, 287, 44338-44344.	3.4	93
143	A Small Molecule Inhibitor of Endoplasmic Reticulum Oxidation 1 (ERO1) with Selectively Reversible Thiol Reactivity. Journal of Biological Chemistry, 2010, 285, 20993-21003.	3.4	91
144	Membrane chaperone Shr3 assists in folding amino acid permeases preventing precocious ERAD. Journal of Cell Biology, 2007, 176, 617-628.	5.1	90

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145	Single particle trajectories reveal active endoplasmic reticulum luminal flow. Nature Cell Biology, 2018, 20, 1118-1125.	9.9	89
146	PPP1R15A-mediated dephosphorylation of eIF2Î± is unaffected by Sephin1 or Guanabenz. ELife, 2017, 6, .	5.8	89
147	Alteration of the unfolded protein response modifies neurodegeneration in a mouse model of Marinescoâ€“SjÃ¶gren syndrome. Human Molecular Genetics, 2010, 19, 25-35.	3.0	86
148	FICD acts bifunctionally to AMPylate and de-AMPylate the endoplasmic reticulum chaperone BiP. Nature Structural and Molecular Biology, 2017, 24, 23-29.	7.8	86
149	The endoplasmic reticulum stress response in the pancreatic Î²â€cell. Diabetes, Obesity and Metabolism, 2010, 12, 48-57.	4.5	85
150	A Missense Mutation in PPP1R15B Causes a Syndrome Including Diabetes, Short Stature, and Microcephaly. Diabetes, 2015, 64, 3951-3962.	0.9	80
151	Angiotensinogen gene-inducible enhancer-binding protein 1, a member of a new family of large nuclear proteins that recognize nuclear factor kappa B-binding sites through a zinc finger motif.. Molecular and Cellular Biology, 1991, 11, 2887-2895.	2.4	77
152	Heightened stress response in primary fibroblasts expressing mutant eIF2B genes from CACH/VWM leukodystrophy patients. Human Genetics, 2005, 118, 99-106.	3.8	77
153	Actin dynamics tune the integrated stress response by regulating eukaryotic initiation factor 2Î± dephosphorylation. ELife, 2015, 4, .	5.8	74
154	Intact protein folding in the glutathione-depleted endoplasmic reticulum implicates alternative protein thiol reductants. ELife, 2014, 3, e03421.	5.8	73
155	MANF antagonizes nucleotide exchange by the endoplasmic reticulum chaperone BiP. Nature Communications, 2019, 10, 541.	12.8	73
156	G-actin provides substrate-specificity to eukaryotic initiation factor 2Î± holophosphatases. ELife, 2015, 4, .	5.8	73
157	Increased Insulin-Like Growth Factor II Production and Consequent Suppression of Growth Hormone Secretion: A Dual Mechanism for Tumor-Induced Hypoglycemia. Journal of Clinical Endocrinology and Metabolism, 1989, 68, 701-706.	3.5	72
158	Characterization of phosphopeptides from protein digests using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and nanoelectrospray quadrupole time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1693-1700.	1.5	72
159	The molecular chaperones DNAJB6 and Hsp70 cooperate to suppress Î±-synuclein aggregation. Scientific Reports, 2017, 7, 9039.	3.4	70
160	AMPylation targets the rate-limiting step of BiPâ€™s ATPase cycle for its functional inactivation. ELife, 2017, 6, .	5.8	70
161	Bioactive small molecules reveal antagonism between the integrated stress response and sterol-regulated gene expression. Cell Metabolism, 2005, 2, 361-371.	15.5	68
162	GCN2-Dependent Metabolic Stress Is Essential for Endotoxemic Cytokine Induction and Pathology. Molecular and Cellular Biology, 2014, 34, 428-438.	2.4	68

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163	Influence of the Hepatic Eukaryotic Initiation Factor 2Î± (eIF2Î±) Endoplasmic Reticulum (ER) Stress Response Pathway on Insulin-mediated ER Stress and Hepatic and Peripheral Glucose Metabolism. Journal of Biological Chemistry, 2011, 286, 36163-36170.	3.4	65
164	Characteristics of genomic breakpoints in TLS-CHOP translocations in liposarcomas suggest the involvement of Translin and topoisomerase II in the process of translocation. Oncogene, 1999, 18, 721-729.	5.8	64
165	Xbp1-Independent Ire1 Signaling Is Required for Photoreceptor Differentiation and Rhabdomere Morphogenesis in Drosophila. Cell Reports, 2013, 5, 791-801.	6.2	64
166	The permissive role of glucocorticoids on interleukin-1 stimulation of angiotensinogen gene transcription is mediated by an interaction between inducible enhancers.. Molecular and Cellular Biology, 1990, 10, 4389-4395.	2.4	62
167	HIV Cell-to-Cell Spread Results in Earlier Onset of Viral Gene Expression by Multiple Infections per Cell. PLoS Pathogens, 2016, 12, e1005964.	4.0	62
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