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	The IRE1Î²-mediated unfolded protein response is repressed by the chaperone AGR2 in mucin producing cells. EMBO Journal, 2024, 43, 719-753.	7.6	13
2	Substrate recruitment via eIF2Î³ enhances catalytic efficiency of a holophosphatase that terminates the integrated stress response. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.4	0
3	Alternating binding and p97-mediated dissociation of SDS22 and I3 recycles active PP1 between holophosphatases. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.4	0
4	AMPylation and Endoplasmic Reticulum Protein Folding Homeostasis. Cold Spring Harbor Perspectives in Biology, 2023, 15, a041265.	5.2	8
5	Infancyâ€onset diabetes caused by deâ€regulated <scp>AMPylation</scp> of the human endoplasmic reticulum chaperone <scp>BiP</scp>. EMBO Molecular Medicine, 2023, 15, .	6.8	8
6	Pharmacological targeting of endoplasmic reticulum stress in disease. Nature Reviews Drug Discovery, 2022, 21, 115-140.	60.2	216
7	Basic science under threat: Lessons from the Skirball Institute. Cell, 2022, 185, 755-758.	27.3	1
8	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
9	Cargo receptor-assisted endoplasmic reticulum export of pathogenic Î±1-antitrypsin polymers. Cell Reports, 2021, 35, 109144.	6.2	23
10	Structures of a deAMPylation complex rationalise the switch between antagonistic catalytic activities of FICD. Nature Communications, 2021, 12, 5004.	12.8	17
11	Protein Folding | Unfolded Protein Responses. , 2021, , 121-126.		0
12	Higher-order phosphataseâ€“substrate contacts terminate the integrated stress response. Nature Structural and Molecular Biology, 2021, 28, 835-846.	7.8	15
13	De Novo Mutations in EIF2B1 Affecting eIF2 Signaling Cause Neonatal/Early-Onset Diabetes and Transient Hepatic Dysfunction. Diabetes, 2020, 69, 477-483.	0.9	30
14	GDF15 mediates the effects of metformin on body weight and energy balance. Nature, 2020, 578, 444-448.	35.3	370
15	Calcium depletion challenges endoplasmic reticulum proteostasis by destabilising BiP-substrate complexes. ELife, 2020, 9, .	5.8	47
16	MANF antagonizes nucleotide exchange by the endoplasmic reticulum chaperone BiP. Nature Communications, 2019, 10, 541.	12.8	73
17	An oligomeric stateâ€dependent switch in the <scp>ER</scp> enzyme <scp>FICD</scp> regulates <scp>AMP</scp> ylation and de <scp>AMP</scp> ylation of BiP. EMBO Journal, 2019, 38, e102177.	7.6	42
18	Early Events in the Endoplasmic Reticulum Unfolded Protein Response. Cold Spring Harbor Perspectives in Biology, 2019, 11, a033894.	5.2	147

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19	GDF15 Provides an Endocrine Signal of Nutritional Stress in Mice and Humans. Cell Metabolism, 2019, 29, 707-718.e8.	15.5	322
20	The ribosomal P-stalk couples amino acid starvation to GCN2 activation in mammalian cells. ELife, 2019, 8, .	5.8	111
21	Unstructured regions in IRE1Î± specify BiP-mediated destabilisation of the luminal domain dimer and repression of the UPR. ELife, 2019, 8, .	5.8	43
22	A Sephin1-insensitive tripartite holophosphatase dephosphorylates translation initiation factor 2Î±. Journal of Biological Chemistry, 2018, 293, 7766-7776.	3.4	43
23	Single particle trajectories reveal active endoplasmic reticulum luminal flow. Nature Cell Biology, 2018, 20, 1118-1125.	9.9	89
24	Defective ATG16L1-mediated removal of IRE1Î± drives Crohnâ€™s diseaseâ€“like ileitis. Journal of Experimental Medicine, 2017, 214, 401-422.	8.6	144
25	Generic membrane-spanning features endow IRE1Î± with responsiveness to membrane aberrancy. Molecular Biology of the Cell, 2017, 28, 2318-2332.	2.3	47
26	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
27	The molecular chaperones DNAJB6 and Hsp70 cooperate to suppress Î±-synuclein aggregation. Scientific Reports, 2017, 7, 9039.	3.4	70
28	The requirement of IRE1 and XBP1 in resolving physiological stress during Drosophila development. Journal of Cell Science, 2017, 130, 3040-3049.	2.0	37
29	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
30	Neuromodulatory Control of Long-Term Behavioral Patterns and Individuality across Development. Cell, 2017, 171, 1649-1662.e10.	27.3	135
31	TriPer, an optical probe tuned to the endoplasmic reticulum tracks changes in luminal H2O2. BMC Biology, 2017, 15, 24.	3.8	38
32	AMPylation targets the rate-limiting step of BiPâ€™s ATPase cycle for its functional inactivation. ELife, 2017, 6, .	5.8	70
33	PPP1R15A-mediated dephosphorylation of eIF2Î± is unaffected by Sephin1 or Guanabenz. ELife, 2017, 6, .	5.8	89
34	Dual role of the integrated stress response in medulloblastoma tumorigenesis. Oncotarget, 2016, 7, 64124-64135.	2.0	15
35	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
36	PERK Activation Promotes Medulloblastoma Tumorigenesis by Attenuating Premalignant Granule Cell Precursor Apoptosis. American Journal of Pathology, 2016, 186, 1939-1951.	4.0	16

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37	Skeletal muscleâ€specific eukaryotic translation initiation factor 2Î± phosphorylation controls amino acid metabolism and fibroblast growth factor 21â€mediated nonâ€cellâ€autonomous energy metabolism. FASEB Journal, 2016, 30, 798-812.	0.4	51
38	Disease Type- and Status-Specific Alteration of CSF Metabolome Coordinated with Clinical Parameters in Inflammatory Demyelinating Diseases of CNS. PLoS ONE, 2016, 11, e0166277.	2.5	24
39	Paradoxical Sensitivity to an Integrated Stress Response Blocking Mutation in Vanishing White Matter Cells. PLoS ONE, 2016, 11, e0166278.	2.5	25
40	Modulation of Innate Immune Signalling by Lipid-Mediated MAVS Transmembrane Domain Oligomerization. PLoS ONE, 2015, 10, e0136883.	2.5	9
41	Physiological modulation of BiP activity by trans-protomer engagement of the interdomain linker. ELife, 2015, 4, e08961.	5.8	57
42	AMPylation matches BiP activity to client protein load in the endoplasmic reticulum. ELife, 2015, 4, e12621.	5.8	108
43	Lipid-dependent regulation of the unfolded protein response. Current Opinion in Cell Biology, 2015, 33, 67-73.	5.4	217
44	Retarded PDI diffusion and a reductive shift in poise of the calcium depleted endoplasmic reticulum. BMC Biology, 2015, 13, 2.	3.8	42
45	A Missense Mutation in PPP1R15B Causes a Syndrome Including Diabetes, Short Stature, and Microcephaly. Diabetes, 2015, 64, 3951-3962.	0.9	80
46	A Method to Quantify FRET Stoichiometry with Phasor Plot Analysis and Acceptor Lifetime Ingrowth. Biophysical Journal, 2015, 108, 999-1002.	0.5	21
47	ERO1-independent production of H2O2 within the endoplasmic reticulum fuels Prdx4-mediated oxidative protein folding. Journal of Cell Biology, 2015, 211, 253-259.	5.1	56
48	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
49	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
50	G-actin provides substrate-specificity to eukaryotic initiation factor 2Î± holophosphatases. ELife, 2015, 4, .	5.8	73
51	Actin dynamics tune the integrated stress response by regulating eukaryotic initiation factor 2Î± dephosphorylation. ELife, 2015, 4, .	5.8	74
52	Intact protein folding in the glutathione-depleted endoplasmic reticulum implicates alternative protein thiol reductants. ELife, 2014, 3, e03421.	5.8	73
53	Impaired Eukaryotic Translation Initiation Factor 2B Activity Specifically in Oligodendrocytes Reproduces the Pathology of Vanishing White Matter Disease in Mice. Journal of Neuroscience, 2014, 34, 12182-12191.	3.7	46
54	ADP ribosylation adapts an ER chaperone response to short-term fluctuations in unfolded protein load. Journal of Cell Biology, 2014, 207, 569-569.	5.1	0

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55	GCN2-Dependent Metabolic Stress Is Essential for Endotoxemic Cytokine Induction and Pathology. Molecular and Cellular Biology, 2014, 34, 428-438.	2.4	68
56	Hypothalamic eIF2Î± Signaling Regulates Food Intake. Cell Reports, 2014, 6, 438-444.	6.2	53
57	PERK Activation Preserves the Viability and Function of Remyelinating Oligodendrocytes in Immune-Mediated Demyelinating Diseases. American Journal of Pathology, 2014, 184, 507-519.	4.0	43
58	SomaticCALRMutations in Myeloproliferative Neoplasms with NonmutatedJAK2. New England Journal of Medicine, 2013, 369, 2391-2405.	29.6	1,584
59	Selective inhibition of the unfolded protein response: targeting catalytic sites for Schiff base modification. Molecular BioSystems, 2013, 9, 2408.	2.8	26
60	Xbp1-Independent Ire1 Signaling Is Required for Photoreceptor Differentiation and Rhabdomere Morphogenesis in Drosophila. Cell Reports, 2013, 5, 791-801.	6.2	64
61	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
62	The ER stress transducer IRE1Î² is required for airway epithelial mucin production. Mucosal Immunology, 2013, 6, 639-654.	6.0	157
63	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
64	Resetting translational homeostasis restores myelination in Charcot-Marie-Tooth disease type 1B mice. Journal of Experimental Medicine, 2013, 210, 821-838.	8.6	119
65	Oligodendrocyte-Specific Activation of PERK Signaling Protects Mice against Experimental Autoimmune Encephalomyelitis. Journal of Neuroscience, 2013, 33, 5980-5991.	3.7	95
66	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
67	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
68	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
69	The Antipsychotic Olanzapine Induces Apoptosis in Insulin-secreting Pancreatic Î² Cells by Blocking PERK-mediated Translational Attenuation. Cell Structure and Function, 2013, 38, 183-195.	1.1	34
70	The endoplasmic reticulum unfolded protein response and neurodegeneration. Research and Perspectives in Alzheimer's Disease, 2013, , 19-35.	0.0	1
71	Unfolded Protein Responses. , 2013, , 488-493.		0
72	Resetting translational homeostasis restores myelination in Charcot-Marie-Tooth disease type 1B mice. Journal of Cell Biology, 2013, 201, i3-i3.	5.1	2

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73	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
74	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
75	Increased Intestinal Lipid Absorption Caused by Ire1Î² Deficiency Contributes to Hyperlipidemia and Atherosclerosis in Apolipoprotein Eâ€“Deficient Mice. Circulation Research, 2012, 110, 1575-1584.	6.5	24
76	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
77	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
78	Expression Profiling and Biochemical Analysis Suggest Stress Response as a Potential Mechanism Inhibiting Proliferation of Polyamine-depleted Cells. Journal of Biological Chemistry, 2012, 287, 35825-35837.	3.4	39
79	Protein-Folding Homeostasis in the Endoplasmic Reticulum and Nutritional Regulation. Cold Spring Harbor Perspectives in Biology, 2012, 4, a013177-a013177.	5.2	97
80	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
81	Endoplasmic Reticulum Thiol Oxidase Deficiency Leads to Ascorbic Acid Depletion and Noncanonical Scurvy in Mice. Molecular Cell, 2012, 48, 39-51.	9.4	105
82	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
83	Establishing a Flow Process to Coumarinâ€8â€Carbaldehydes as Important Synthetic Scaffolds. Chemistry - A European Journal, 2012, 18, 9901-9910.	3.8	39
84	The amino acid sensor GCN2 biases macronutrient selection during aging. European Journal of Nutrition, 2012, 51, 119-126.	4.0	10
85	New twists in the unfolded protein response. ELife, 2012, 1, e00243.	5.8	3
86	The sarcoplasmic reticulum luminal thiol oxidase ERO1 regulates cardiomyocyte excitationâ€coupled calcium release and response to hemodynamic load. FASEB Journal, 2011, 25, 2583-2591.	0.4	50
87	A Translational Pause to Localize. Science, 2011, 331, 543-544.	19.6	4
88	Integrating the mechanisms of apoptosis induced by endoplasmic reticulum stress. Nature Cell Biology, 2011, 13, 184-190.	9.9	2,236
89	The Unfolded Protein Response: From Stress Pathway to Homeostatic Regulation. Science, 2011, 334, 1081-1086.	19.6	4,931
90	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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91	A deregulated integrated stress response promotes interferonâ€Î³â€induced medulloblastoma. Journal of Neuroscience Research, 2011, 89, 1586-1595.	3.0	22
92	Mannose-6-phosphate regulates destruction of lipid-linked oligosaccharides. Molecular Biology of the Cell, 2011, 22, 2994-3009.	2.3	30
93	Complementary Cell-Based High-Throughput Screens Identify Novel Modulators of the Unfolded Protein Response. SLAS Discovery, 2011, 16, 825-835.	2.7	44
94	Inhibition of Nonsense-Mediated RNA Decay by the Tumor Microenvironment Promotes Tumorigenesis. Molecular and Cellular Biology, 2011, 31, 3670-3680.	2.4	136
95	Arginine Deficiency Causes Runting in the Suckling Period by Selectively Activating the Stress Kinase GCN2. Journal of Biological Chemistry, 2011, 286, 8866-8874.	3.4	11
96	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
97	Structural Determinants of PERK Inhibitor Potency and Selectivity. Chemical Biology and Drug Design, 2010, 76, 480-495.	3.3	35
98	Modeling the endoplasmic reticulum unfolded protein response. Nature Structural and Molecular Biology, 2010, 17, 924-925.	7.8	12
99	Disulphide production by Ero1Î±â€“PDI relay is rapid and effectively regulated. EMBO Journal, 2010, 29, 3318-3329.	7.6	136
100	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
101	The endoplasmic reticulum stress response in the pancreatic Î²â€cell. Diabetes, Obesity and Metabolism, 2010, 12, 48-57.	4.5	85
102	Transcriptional Regulation of VEGF-A by the Unfolded Protein Response Pathway. PLoS ONE, 2010, 5, e9575.	2.5	223
103	ERO1-Î², a pancreas-specific disulfide oxidase, promotes insulin biogenesis and glucose homeostasis. Journal of Cell Biology, 2010, 189, 769-769.	5.1	1
104	The mitochondrial UPR â€“ protecting organelle protein homeostasis. Journal of Cell Science, 2010, 123, 3849-3855.	2.0	438
105	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
106	ERO1-Î², a pancreas-specific disulfide oxidase, promotes insulin biogenesis and glucose homeostasis. Journal of Cell Biology, 2010, 188, 821-832.	5.1	216
107	The Unfolded Protein Response in Lung Disease. Proceedings of the American Thoracic Society, 2010, 7, 356-362.	5.6	33
108	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

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109	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
110	Flavonol Activation Defines an Unanticipated Ligand-Binding Site in the Kinase-RNase Domain of IRE1. Molecular Cell, 2010, 38, 291-304.	9.4	177
111	Oxidative Protein Folding by an Endoplasmic Reticulum-Localized Peroxiredoxin. Molecular Cell, 2010, 40, 787-797.	9.4	273
112	CHOP-independent apoptosis and pathway-selective induction of the UPR in developing plasma cells. Molecular Immunology, 2010, 47, 1356-1365.	2.4	57
113	Crystal Structure of P58(IPK) TPR Fragment Reveals the Mechanism for its Molecular Chaperone Activity in UPR. Journal of Molecular Biology, 2010, 397, 1307-1315.	4.2	22
114	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
115	Thioredoxin-related Protein 32 Is an Arsenite-regulated Thiol Reductase of the Proteasome 19 S Particle. Journal of Biological Chemistry, 2009, 284, 15233-15245.	3.4	38
116	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
117	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
118	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
119	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
120	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
121	Targeting of mRNAs to Their Sites of Unconventional Splicing in the Unfolded Protein Response. Molecular Cell, 2009, 34, 133-134.	9.4	6
122	Divergent Effects of PERK and IRE1 Signaling on Cell Viability. PLoS ONE, 2009, 4, e4170.	2.5	269
123	An intact unfolded protein response in Trpt1 knockout mice reveals phylogenic divergence in pathways for RNA ligation. Rna, 2008, 14, 225-232.	3.5	51
124	Regulated association of misfolded endoplasmic reticulum lumenal proteins with P58/DNAJc3. EMBO Journal, 2008, 27, 2862-2872.	7.6	128
125	Ablation of the UPR-Mediator CHOP Restores MotorÂFunction and Reduces Demyelination inÂCharcot-Marie-Tooth 1B Mice. Neuron, 2008, 57, 393-405.	7.9	251
126	How IRE1 Reacts to ER Stress. Cell, 2008, 132, 24-26.	27.3	213

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127	IRE1Î² Inhibits Chylomicron Production by Selectively Degrading MTP mRNA. Cell Metabolism, 2008, 7, 445-455.	15.5	131
128	Dephosphorylation of Translation Initiation Factor 2Î± Enhances Glucose Tolerance and Attenuates Hepatosteatosis in Mice. Cell Metabolism, 2008, 7, 520-532.	15.5	394
129	Preliminary X-ray crystallographic studies of mouse UPR responsive protein P58(IPK) TPR fragment. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 108-110.	0.7	7
130	Enhanced Integrated Stress Response Promotes Myelinating Oligodendrocyte Survival in Response to Interferon-Î³. American Journal of Pathology, 2008, 173, 1508-1517.	4.0	93
131	Novel Function of PERK as a Mediator of Force-induced Apoptosis. Journal of Biological Chemistry, 2008, 283, 23462-23472.	3.4	28
132	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
133	Modulation of the Eukaryotic Initiation Factor 2 Î±-Subunit Kinase PERK by Tyrosine Phosphorylation. Journal of Biological Chemistry, 2008, 283, 469-475.	3.4	61
134	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
135	Translation attenuation by PERK balances ER glycoprotein synthesis with lipid-linked oligosaccharide flux. Journal of Cell Biology, 2007, 176, 605-616.	5.1	39
136	Membrane chaperone Shr3 assists in folding amino acid permeases preventing precocious ERAD. Journal of Cell Biology, 2007, 176, 617-628.	5.1	90
137	ClpP Mediates Activation of a Mitochondrial Unfolded Protein Response in C. elegans. Developmental Cell, 2007, 13, 467-480.	6.9	522
138	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
139	Signal integration in the endoplasmic reticulum unfolded protein response. Nature Reviews Molecular Cell Biology, 2007, 8, 519-529.	36.5	5,590
140	The integrated stress response prevents demyelination by protecting oligodendrocytes against immune-mediated damage. Journal of Clinical Investigation, 2007, 117, 448-456.	6.5	171
141	Oligodendrocytes Are a Major Target of the Toxicity of Spongiogenic Murine Retroviruses. American Journal of Pathology, 2006, 169, 1026-1038.	4.0	20
142	Targeting Translation in Hypoxic Tumors. ACS Chemical Biology, 2006, 1, 145-148.	3.5	5
143	Cotranslocational Degradation Protects the Stressed Endoplasmic Reticulum from Protein Overload. Cell, 2006, 126, 727-739.	27.3	226
144	Cotranslocational Degradation Protects the Stressed Endoplasmic Reticulum from Protein Overload. Cell, 2006, 127, 1284.	27.3	0

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145	ATF4 mediation of NF1 functions in osteoblast revealsÂa nutritional basis for congenital skeletal dysplasiae. Cell Metabolism, 2006, 4, 441-451.	15.5	208
146	Endoplasmic Reticulum Stress Signaling in Disease. Physiological Reviews, 2006, 86, 1133-1149.	28.3	843
147	An Arsenite-Inducible 19S Regulatory Particle-Associated Protein Adapts Proteasomes to Proteotoxicity. Molecular Cell, 2006, 23, 875-885.	9.4	99
148	Antiviral effect of the mammalian translation initiation factor 2Î± kinase GCN2 against RNA viruses. EMBO Journal, 2006, 25, 1730-1740.	7.6	176
149	C/EBP homologous protein is necessary for normal osteoblastic function. Journal of Cellular Biochemistry, 2006, 97, 633-640.	2.6	38
150	Interferon-Î³ inhibits central nervous system remyelination through a process modulated by endoplasmic reticulum stress. Brain, 2006, 129, 1306-1318.	7.9	189
151	ER stress disrupts Ca2+-signaling complexes and Ca2+ regulation in secretory and muscle cells from PERK-knockout mice. Journal of Cell Science, 2006, 119, 153-161.	2.0	57
152	Activation-dependent substrate recruitment by the eukaryotic translation initiation factor 2 kinase PERK. Journal of Cell Biology, 2006, 172, 201-209.	5.1	150
153	Stressed Cells Cope with Protein Overload. Science, 2006, 313, 52-53.	19.6	18
154	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
155	Ubiquitin-Like Protein 5 Positively Regulates Chaperone Gene Expression in the Mitochondrial Unfolded Protein Response. Genetics, 2006, 174, 229-239.	2.9	331
156	A Selective Inhibitor of eIF2Î± Dephosphorylation Protects Cells from ER Stress. Science, 2005, 307, 935-939.	19.6	1,297
157	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
158	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. EMBO Journal, 2005, 24, 3470-3481.	7.6	641
159	Translational control of hippocampal synaptic plasticity and memory by the eIF2Î± kinase GCN2. Nature, 2005, 436, 1166-1170.	35.3	356
160	The dynamic ER: experimental approaches and current questions. Current Opinion in Cell Biology, 2005, 17, 409-414.	5.4	99
161	Heightened stress response in primary fibroblasts expressing mutant eIF2B genes from CACH/VWM leukodystrophy patients. Human Genetics, 2005, 118, 99-106.	3.8	77
162	La kinase GCN2 rÃ©gule le comportement alimentaire des omnivores afin de maintenir lâ€™homÃ©ostasie des acides aminÃ©s. Medecine/Sciences, 2005, 21, 799-801.	0.2	3

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163	Rapid B Cell Receptor-induced Unfolded Protein Response in Nonsecretory B Cells Correlates with Pro- Versus Antiapoptotic Cell Fate. Journal of Biological Chemistry, 2005, 280, 39762-39771.	3.4	50
164	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
165	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
166	The GCN2 kinase biases feeding behavior to maintain amino acid homeostasis in omnivores. Cell Metabolism, 2005, 1, 273-277.	15.5	192
167	Bioactive small molecules reveal antagonism between the integrated stress response and sterol-regulated gene expression. Cell Metabolism, 2005, 2, 361-371.	15.5	68
168	Compartment-specific perturbation of protein handling activates genes encoding mitochondrial chaperones. Journal of Cell Science, 2004, 117, 4055-4066.	2.0	544
169	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
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