

D Thomas Rutkowski

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

6,157
citations

218677

26
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

8867
citing authors

#	ARTICLE	IF	CITATIONS
1	A trip to the ER: coping with stress. Trends in Cell Biology, 2004, 14, 20-28.	7.9	1,258
2	Endoplasmic Reticulum Stress Activates Cleavage of CREBH to Induce a Systemic Inflammatory Response. Cell, 2006, 124, 587-599.	28.9	720
3	Adaptation to ER Stress Is Mediated by Differential Stabilities of Pro-Survival and Pro-Apoptotic mRNAs and Proteins. PLoS Biology, 2006, 4, e374.	5.6	694
4	ATF6 \uparrow Optimizes Long-Term Endoplasmic Reticulum Function to Protect Cells from Chronic Stress. Developmental Cell, 2007, 13, 351-364.	7.0	588
5	UPR Pathways Combine to Prevent Hepatic Steatosis Caused by ER Stress-Mediated Suppression of Transcriptional Master Regulators. Developmental Cell, 2008, 15, 829-840.	7.0	507
6	That which does not kill me makes me stronger: adapting to chronic ER stress. Trends in Biochemical Sciences, 2007, 32, 469-476.	7.5	357
7	Regulation of basal cellular physiology by the homeostatic unfolded protein response. Journal of Cell Biology, 2010, 189, 783-794.	5.2	323
8	The Unfolded Protein Response Mediates Adaptation to Exercise in Skeletal Muscle through a PGC-1 \uparrow /ATF6 \uparrow Complex. Cell Metabolism, 2011, 13, 160-169.	16.2	250
9	The Role of p58IPK in Protecting the Stressed Endoplasmic Reticulum. Molecular Biology of the Cell, 2007, 18, 3681-3691.	2.1	187
10	All Roads Lead to ATF4. Developmental Cell, 2003, 4, 442-444.	7.0	178
11	Progressive aggregation despite chaperone associations of a mutant SOD1-YFP in transgenic mice that develop ALS. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1392-1397.	7.1	128
12	Influenza A Viral Replication Is Blocked by Inhibition of the Inositol-requiring Enzyme 1 (IRE1) Stress Pathway. Journal of Biological Chemistry, 2012, 287, 4679-4689.	3.4	122
13	C/EBP Homologous Protein (CHOP) Contributes to Suppression of Metabolic Genes during Endoplasmic Reticulum Stress in the Liver. Journal of Biological Chemistry, 2013, 288, 4405-4415.	3.4	94
14	ER Stress Inhibits Liver Fatty Acid Oxidation while Unmitigated Stress Leads to Anorexia-Induced Lipolysis and Both Liver and Kidney Steatosis. Cell Reports, 2017, 19, 1794-1806.	6.4	67
15	Substrate-specific regulation of the ribosome- translocon junction by N-terminal signal sequences. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 7823-7828.	7.1	64
16	Signal Sequences Initiate the Pathway of Maturation in the Endoplasmic Reticulum Lumen. Journal of Biological Chemistry, 2003, 278, 30365-30372.	3.4	64
17	The Stress-Regulated Transcription Factor CHOP Promotes Hepatic Inflammatory Gene Expression, Fibrosis, and Oncogenesis. PLoS Genetics, 2013, 9, e1003937.	3.5	64
18	Regulation of the transcriptome by ER stress: non-canonical mechanisms and physiological consequences. Frontiers in Genetics, 2013, 4, 256.	2.3	60

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19	2-Deoxyglucose-induced toxicity is regulated by Bcl-2 family members and is enhanced by antagonizing Bcl-2 in lymphoma cell lines. <i>Oncogene</i> , 2012, 31, 2738-2749.	5.9	54
20	NADPH and Glutathione Redox Link TCA Cycle Activity to Endoplasmic Reticulum Homeostasis. <i>IScience</i> , 2020, 23, 101116.	4.1	51
21	Liver function and dysfunction – a unique window into the physiological reach of ER stress and the unfolded protein response. <i>FEBS Journal</i> , 2019, 286, 356-378.	4.7	43
22	Inhibition of fatty acid oxidation enhances oxidative protein folding and protects hepatocytes from endoplasmic reticulum stress. <i>Molecular Biology of the Cell</i> , 2012, 23, 811-819.	2.1	34
23	Experimental reconstitution of chronic ER stress in the liver reveals feedback suppression of BiP mRNA expression. <i>ELife</i> , 2016, 5, .	6.0	33
24	Heightened Induction of Proapoptotic Signals in Response to Endoplasmic Reticulum Stress in Primary Fibroblasts from a Mouse Model of Longevity. <i>Journal of Biological Chemistry</i> , 2011, 286, 30344-30351.	3.4	32
25	Inositol-requiring Enzyme 1 Inhibits Respiratory Syncytial Virus Replication. <i>Journal of Biological Chemistry</i> , 2014, 289, 7537-7546.	3.4	31
26	Acute infection of mice with <i>Clostridium difficile</i> leads to eIF2 γ phosphorylation and pro-survival signalling as part of the mucosal inflammatory response. <i>Immunology</i> , 2013, 140, 111-122.	4.4	30
27	Endoplasmic reticulum stress impairs IL-4/IL-13 signaling through C/EBP β -mediated transcriptional suppression. <i>Journal of Cell Science</i> , 2013, 126, 4026-36.	2.0	23
28	Temporal clustering of gene expression links the metabolic transcription factor HNF4 α to the ER stress-dependent gene regulatory network. <i>Frontiers in Genetics</i> , 2013, 4, 188.	2.3	22
29	Conformational control through translocational regulation: a new view of secretory and membrane protein folding. <i>BioEssays</i> , 2002, 24, 741-748.	2.5	16
30	Brain Endoplasmic Reticulum Stress Mechanistically Distinguishes the Saline-Intake and Hypertensive Response to Deoxycorticosterone Acetate – Salt. <i>Hypertension</i> , 2015, 65, 1341-1348.	2.7	15
31	A data-entrained computational model for testing the regulatory logic of the vertebrate unfolded protein response. <i>Molecular Biology of the Cell</i> , 2018, 29, 1502-1517.	2.1	12
32	piggyBac-mediated phenotypic correction of factor VIII deficiency. <i>Molecular Therapy - Methods and Clinical Development</i> , 2014, 1, 14042.	4.1	10
33	Lipase Maturation Factor 1 (Lmf1) Is Induced by Endoplasmic Reticulum Stress Through Activating Transcription Factor 6 α (Atf6 α) Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 24417-24427.	3.4	10
34	Synthetic embryonic lethality upon deletion of the ER cochaperone p58IPK and the ER stress sensor ATF6 α . <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 115-119.	2.1	9
35	A Gluconeogenic Tryst in the Nucleus, with ER Stress as the Third Wheel. <i>Science Signaling</i> , 2009, 2, pe72.	3.6	4
36	Pathways Linking Nicotinamide Adenine Dinucleotide Phosphate Production to Endoplasmic Reticulum Protein Oxidation and Stress. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	3.5	2

#	ARTICLE	IF	CITATIONS
37	Differential Effects of Endoplasmic Reticulum Stress on Dipsogenic and Blood Pressure Responses to DOCA salt. FASEB Journal, 2015, 29, 968.5.	0.5	0