

Maria Hatzoglou

List of Publications by Citations

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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.

68

papers

3,452

citations

27

h-index

58

g-index

75

ext. papers

4,242

ext. citations

7.1

avg, IF

4.94

L-index

#	Paper	IF	Citations
68	ER-stress-induced transcriptional regulation increases protein synthesis leading to cell death. <i>Nature Cell Biology</i> , 2013 , 15, 481-90	23.4	976
67	Angiogenin-cleaved tRNA halves interact with cytochrome c, protecting cells from apoptosis during osmotic stress. <i>Molecular and Cellular Biology</i> , 2014 , 34, 2450-63	4.8	172
66	Regulation of cationic amino acid transport: the story of the CAT-1 transporter. <i>Annual Review of Nutrition</i> , 2004 , 24, 377-99	9.9	161
65	Genome-wide identification and quantitative analysis of cleaved tRNA fragments induced by cellular stress. <i>Journal of Biological Chemistry</i> , 2012 , 287, 42708-25	5.4	150
64	Oncogenic PIK3CA mutations reprogram glutamine metabolism in colorectal cancer. <i>Nature Communications</i> , 2016 , 7, 11971	17.4	125
63	Oncogenic Myc Induces Expression of Glutamine Synthetase through Promoter Demethylation. <i>Cell Metabolism</i> , 2015 , 22, 1068-77	24.6	121
62	Quantitative H ₂ S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response. <i>ELife</i> , 2015 , 4, e10067	8.9	113
61	Molecular symbiosis of CHOP and C/EBP beta isoform LIP contributes to endoplasmic reticulum stress-induced apoptosis. <i>Molecular and Cellular Biology</i> , 2010 , 30, 3722-31	4.8	87
60	Amino acid starvation induces the SNAT2 neutral amino acid transporter by a mechanism that involves eukaryotic initiation factor 2alpha phosphorylation and cap-independent translation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17929-40	5.4	87
59	Translational control during endoplasmic reticulum stress beyond phosphorylation of the translation initiation factor eIF2. <i>Journal of Biological Chemistry</i> , 2014 , 289, 12593-611	5.4	86
58	A self-defeating anabolic program leads to cell apoptosis in endoplasmic reticulum stress-induced diabetes via regulation of amino acid flux. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17202-13	5.4	80
57	A Unique ISR Program Determines Cellular Responses to Chronic Stress. <i>Molecular Cell</i> , 2017 , 68, 885-900	17.6	77
56	A feedback transcriptional mechanism controls the level of the arginine/lysine transporter cat-1 during amino acid starvation. <i>Biochemical Journal</i> , 2007 , 402, 163-73	3.8	76
55	Metabolic adaptation of skeletal muscle to hyperammonemia drives the beneficial effects of l-leucine in cirrhosis. <i>Journal of Hepatology</i> , 2016 , 65, 929-937	13.4	70
54	The hnRNA-binding proteins hnRNP L and PTB are required for efficient translation of the Cat-1 arginine/lysine transporter mRNA during amino acid starvation. <i>Molecular and Cellular Biology</i> , 2009 , 29, 2899-912	4.8	69
53	eIF2alpha phosphorylation tips the balance to apoptosis during osmotic stress. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17098-111	5.4	68
52	Hepatic gene transfer in animals using retroviruses containing the promoter from the gene for phosphoenolpyruvate carboxykinase. <i>Journal of Biological Chemistry</i> , 1990 , 265, 17285-93	5.4	67

51	The Many Virtues of tRNA-derived Stress-induced RNAs (tiRNAs): Discovering Novel Mechanisms of Stress Response and Effect on Human Health. <i>Journal of Biological Chemistry</i> , 2015 , 290, 29761-8	5.4	57
50	A novel feedback loop regulates the response to endoplasmic reticulum stress via the cooperation of cytoplasmic splicing and mRNA translation. <i>Molecular and Cellular Biology</i> , 2012 , 32, 992-1003	4.8	53
49	Fetal liver hematopoietic stem cells as a target for in utero retroviral gene transfer. <i>Blood</i> , 1991 , 78, 1132-1139	2.2	49
48	Hyperammonemia and proteostasis in cirrhosis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018 , 21, 30-36	3.8	45
47	Coenzyme Q deficiency causes impairment of the sulfide oxidation pathway. <i>EMBO Molecular Medicine</i> , 2017 , 9, 96-111	12	44
46	Regulation of Interferon-Stimulated Gene BST2 by a lncRNA Transcribed from a Shared Bidirectional Promoter. <i>Frontiers in Immunology</i> , 2014 , 5, 676	8.4	39
45	DAZL Regulates Germ Cell Survival through a Network of PolyA-Proximal mRNA Interactions. <i>Cell Reports</i> , 2018 , 25, 1225-1240.e6	10.6	36
44	Exploring Internal Ribosome Entry Sites as Therapeutic Targets. <i>Frontiers in Oncology</i> , 2015 , 5, 233	5.3	35
43	Characterization of hibernating ribosomes in mammalian cells. <i>Cell Cycle</i> , 2011 , 10, 2691-702	4.7	35
42	Translational control of breast cancer plasticity. <i>Nature Communications</i> , 2020 , 11, 2498	17.4	31
41	mTORC2 Balances AKT Activation and eIF2 γ Serine 51 Phosphorylation to Promote Survival under Stress. <i>Molecular Cancer Research</i> , 2015 , 13, 1377-88	6.6	27
40	Transcriptional repression of ATF4 gene by CCAAT/enhancer-binding protein [C/EBP] differentially regulates integrated stress response. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21936-49	5.4	27
39	Control of expression of the gene for the arginine transporter Cat-1 in rat liver cells by glucocorticoids and insulin. <i>Amino Acids</i> , 1998 , 15, 321-37	3.5	26
38	ER stress inhibitor attenuates hearing loss and hair cell death in Cdh23 mutant mice. <i>Cell Death and Disease</i> , 2016 , 7, e2485	9.8	25
37	Hydrogen sulfide modulates eukaryotic translation initiation factor 2[eIF2] phosphorylation status in the integrated stress-response pathway. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13143-13153	5.4	22
36	Translational control of PML contributes to TNF-induced apoptosis of MCF7 breast cancer cells and decreased angiogenesis in HUVECs. <i>Cell Death and Differentiation</i> , 2016 , 23, 469-83	12.7	18
35	Hormonal regulation of chimeric genes containing the phosphoenolpyruvate carboxykinase promoter regulatory region in hepatoma cells infected by murine retroviruses. <i>Journal of Biological Chemistry</i> , 1988 , 263, 17798-808	5.4	18
34	L-type Calcium Channel Blockers Enhance Trafficking and Function of Epilepsy-associated α (D219N) Subunits of GABA(A) Receptors. <i>ACS Chemical Biology</i> , 2015 , 10, 2135-48	4.9	17

33	eIF2 β phosphorylation is required to prevent hepatocyte death and liver fibrosis in mice challenged with a high fructose diet. <i>Nutrition and Metabolism</i> , 2017 , 14, 48	4.6	17
32	The eIF2A knockout mouse. <i>Cell Cycle</i> , 2016 , 15, 3115-3120	4.7	17
31	Discovery of a Redox Thiol Switch: Implications for Cellular Energy Metabolism. <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 852-870	7.6	16
30	Coordinated transcriptional control of adipocyte triglyceride lipase (ATGL) by transcription factors Sp1 and peroxisome proliferator-activated receptor ($\text{PPAR}\alpha$) during adipocyte differentiation. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14827-14835	5.4	16
29	GADD34 Function in Protein Trafficking Promotes Adaptation to Hyperosmotic Stress in Human Corneal Cells. <i>Cell Reports</i> , 2017 , 21, 2895-2910	10.6	16
28	Macrophages with a deletion of the (CD11b) gene have a more proinflammatory phenotype. <i>Journal of Biological Chemistry</i> , 2018 , 293, 3399-3409	5.4	15
27	Adaptation to mitochondrial stress requires CHOP-directed tuning of ISR. <i>Science Advances</i> , 2021 , 7,	14.3	15
26	Coordinated Regulation of the Neutral Amino Acid Transporter SNAT2 and the Protein Phosphatase Subunit GADD34 Promotes Adaptation to Increased Extracellular Osmolarity. <i>Journal of Biological Chemistry</i> , 2015 , 290, 17822-17837	5.4	14
25	HuR controls mitochondrial morphology through the regulation of Bcl translation. <i>Translation</i> , 2013 , 1,		14
24	Hormonal control of interacting promoters introduced into cells by retroviruses. <i>Journal of Biological Chemistry</i> , 1991 , 266, 8416-25	5.4	13
23	Protein Kinase R Mediates the Inflammatory Response Induced by Hyperosmotic Stress. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	12
22	The uL10 protein, a component of the ribosomal P-stalk, is released from the ribosome in nucleolar stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 34-47	4.9	12
21	Chromosome-associated protein D3 promotes bacterial clearance in human intestinal epithelial cells by repressing expression of amino acid transporters. <i>Gastroenterology</i> , 2015 , 148, 1405-1416.e3	13.3	11
20	Downregulation of PERK activity and eIF2 β serine 51 phosphorylation by mTOR complex 1 elicits pro-oxidant and pro-death effects in tuberous sclerosis-deficient cells. <i>Cell Death and Disease</i> , 2018 , 9, 254	9.8	8
19	Characterization of 5-(2- F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. <i>F1000Research</i> , 2016 , 5, 1851	3.6	8
18	Early Cellular Responses of Prostate Carcinoma Cells to Sepantronium Bromide (YM155) Involve Suppression of mTORC1 by AMPK. <i>Scientific Reports</i> , 2019 , 9, 11541	4.9	7
17	PACT-mediated PKR activation acts as a hyperosmotic stress intensity sensor weakening osmoadaptation and enhancing inflammation. <i>ELife</i> , 2020 , 9,	8.9	7
16	A tale of two proteins: PACT and PKR and their roles in inflammation. <i>FEBS Journal</i> , 2021 , 288, 6365-6393.	3.7	7

15	Increased drug resistance following retroviral gene transfer of a chimeric P-enolpyruvate carboxykinase (GTP)-bacterial O ⁶ -alkylguanine-DNA alkyltransferase gene into NRK cells. <i>Carcinogenesis</i> , 1990 , 11, 737-43	4.6	6
14	Characterization of 5-(2-18F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. <i>F1000Research</i> , 2016 , 5, 1851	3.6	6
13	RITA requires eIF2 β -dependent modulation of mRNA translation for its anti-cancer activity. <i>Cell Death and Disease</i> , 2019 , 10, 845	9.8	5
12	Autophagy impairment as a key feature for acetaminophen-induced ototoxicity. <i>Cell Death and Disease</i> , 2021 , 12, 3	9.8	5
11	Residues required for phosphorylation of translation initiation factor eIF2 β under diverse stress conditions are divergent between yeast and human. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 59, 135-41	5.6	4
10	Retrograde signaling by a mtDNA-encoded non-coding RNA preserves mitochondrial bioenergetics. <i>Communications Biology</i> , 2020 , 3, 626	6.7	3
9	Adaptive translational pausing is a hallmark of the cellular response to severe environmental stress. <i>Molecular Cell</i> , 2021 , 81, 4191-4208.e8	17.6	3
8	Discovery of a redox-thiol switch regulating cellular energy metabolism		2
7	Role of Endoplasmic Reticulum Stress in Otitis Media. <i>Frontiers in Genetics</i> , 2020 , 11, 495	4.5	1
6	Fetal liver hematopoietic stem cells as a target for in utero retroviral gene transfer. <i>Blood</i> , 1991 , 78, 1132-1139	2.2	1
5	The integrated stress response is tumorigenic and constitutes a therapeutic liability in KRAS-driven lung cancer. <i>Nature Communications</i> , 2021 , 12, 4651	17.4	1
4	Adipocyte-specific deletion of zinc finger protein 407 results in lipodystrophy and insulin resistance in mice. <i>Molecular and Cellular Endocrinology</i> , 2021 , 521, 111109	4.4	1
3	eIF2A-knockout mice reveal decreased life span and metabolic syndrome. <i>FASEB Journal</i> , 2021 , 35, e21980	19.0	0
2	Eukaryotic Hibernating Ribosome Dimers are Maintained by a Kissing Loop Formed by Ribosomal RNA. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1234-1235	0.5	
1	A Synthetic Small RNA Homologous to the D-Loop Transcript of mtDNA Enhances Mitochondrial Bioenergetics.. <i>Frontiers in Physiology</i> , 2022 , 13, 772313	4.6	