Maria Hatzoglou

List of Publications by Year in Descending Order

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	A Synthetic Small RNA Homologous to the D-Loop Transcript of mtDNA Enhances Mitochondrial Bioenergetics.. *Frontiers in Physiology*, **2022**, 13, 772313	4.6	
67	Adaptive translational pausing is a hallmark of the cellular response to severe environmental stress. *Molecular Cell*, **2021**, 81, 4191-4208.e8	17.6	3
66	eIF2A-knockout mice reveal decreased life span and metabolic syndrome. *FASEB Journal*, **2021**, 35, e21990	5.6	0
65	Adaptation to mitochondrial stress requires CHOP-directed tuning of ISR. *Science Advances*, **2021**, 7,	14.3	15
64	The integrated stress response is tumorigenic and constitutes a therapeutic liability in KRAS-driven lung cancer. *Nature Communications*, **2021**, 12, 4651	17.4	1
63	Adipocyte-specific deletion of zinc finger protein 407 results in lipodystrophy and insulin resistance in mice. *Molecular and Cellular Endocrinology*, **2021**, 521, 111109	4.4	1
62	Autophagy impairment as a key feature for acetaminophen-induced ototoxicity. *Cell Death and Disease*, **2021**, 12, 3	9.8	5
61	A tale of two proteins: PACT and PKR and their roles in inflammation. *FEBS Journal*, **2021**, 288, 6365-6391	5.7	7
60	Retrograde signaling by a mtDNA-encoded non-coding RNA preserves mitochondrial bioenergetics. *Communications Biology*, **2020**, 3, 626	6.7	3
59	Discovery of a Redox Thiol Switch: Implications for Cellular Energy Metabolism. *Molecular and Cellular Proteomics*, **2020**, 19, 852-870	7.6	16
58	Role of Endoplasmic Reticulum Stress in Otitis Media. *Frontiers in Genetics*, **2020**, 11, 495	4.5	1
57	Translational control of breast cancer plasticity. *Nature Communications*, **2020**, 11, 2498	17.4	31
56	PACT-mediated PKR activation acts as a hyperosmotic stress intensity sensor weakening osmoadaptation and enhancing inflammation. *ELife*, **2020**, 9,	8.9	7
55	Early Cellular Responses of Prostate Carcinoma Cells to Sepantronium Bromide (YM155) Involve Suppression of mTORC1 by AMPK. *Scientific Reports*, **2019**, 9, 11541	4.9	7
54	RITA requires eIF2□dependent modulation of mRNA translation for its anti-cancer activity. *Cell Death and Disease*, **2019**, 10, 845	9.8	5
53	Downregulation of PERK activity and eIF2□serine 51 phosphorylation by mTOR complex 1 elicits pro-oxidant and pro-death effects in tuberous sclerosis-deficient cells. *Cell Death and Disease*, **2018**, 9, 254	9.8	8
52	Macrophages with a deletion of the () gene have a more proinflammatory phenotype. *Journal of Biological Chemistry*, **2018**, 293, 3399-3409	5.4	15

51	Hyperammonemia and proteostasis in cirrhosis. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2018**, 21, 30-36	3.8	45
50	The uL10 protein, a component of the ribosomal P-stalk, is released from the ribosome in nucleolar stress. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2018**, 1865, 34-47	4.9	12
49	Eukaryotic Hibernating Ribosome Dimers are Maintained by a Kissing Loop Formed by Ribosomal RNA. *Microscopy and Microanalysis*, **2018**, 24, 1234-1235	0.5	
48	DAZL Regulates Germ Cell Survival through a Network of PolyA-Proximal mRNA Interactions. *Cell Reports*, **2018**, 25, 1225-1240.e6	10.6	36
47	Protein Kinase R Mediates the Inflammatory Response Induced by Hyperosmotic Stress. *Molecular and Cellular Biology*, **2017**, 37,	4.8	12
46	eIF2 phosphorylation is required to prevent hepatocyte death and liver fibrosis in mice challenged with a high fructose diet. *Nutrition and Metabolism*, **2017**, 14, 48	4.6	17
45	Coordinated transcriptional control of adipocyte triglyceride lipase () by transcription factors Sp1 and peroxisome proliferator-activated receptor (PPAR) during adipocyte differentiation. *Journal of Biological Chemistry*, **2017**, 292, 14827-14835	5.4	16
44	GADD34 Function in Protein Trafficking Promotes Adaptation to Hyperosmotic Stress in Human Corneal Cells. *Cell Reports*, **2017**, 21, 2895-2910	10.6	16
43	A Unique ISR Program Determines Cellular Responses to Chronic Stress. *Molecular Cell*, **2017**, 68, 885-900.e6	17.6	77
42	Hydrogen sulfide modulates eukaryotic translation initiation factor 2 (eIF2) phosphorylation status in the integrated stress-response pathway. *Journal of Biological Chemistry*, **2017**, 292, 13143-13153	5.4	22
41	Coenzyme Q deficiency causes impairment of the sulfide oxidation pathway. *EMBO Molecular Medicine*, **2017**, 9, 96-111	12	44
40	Translational control of PML contributes to TNF induced apoptosis of MCF7 breast cancer cells and decreased angiogenesis in HUVECs. *Cell Death and Differentiation*, **2016**, 23, 469-83	12.7	18
39	Oncogenic PIK3CA mutations reprogram glutamine metabolism in colorectal cancer. *Nature Communications*, **2016**, 7, 11971	17.4	125
38	Metabolic adaptation of skeletal muscle to hyperammonemia drives the beneficial effects of l-leucine in cirrhosis. *Journal of Hepatology*, **2016**, 65, 929-937	13.4	70
37	Characterization of 5-(2- F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. *F1000Research*, **2016**, 5, 1851	3.6	8
36	Characterization of 5-(2-18F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. *F1000Research*, **2016**, 5, 1851	3.6	6
35	ER stress inhibitor attenuates hearing loss and hair cell death in Cdh23 mutant mice. *Cell Death and Disease*, **2016**, 7, e2485	9.8	25
34	The eIF2A knockout mouse. *Cell Cycle*, **2016**, 15, 3115-3120	4.7	17

33	mTORC2 Balances AKT Activation and eIF2α Serine 51 Phosphorylation to Promote Survival under Stress. *Molecular Cancer Research*, **2015**, 13, 1377-88	6.6	27
32	L-type Calcium Channel Blockers Enhance Trafficking and Function of Epilepsy-associated α1(D219N) Subunits of GABA(A) Receptors. *ACS Chemical Biology*, **2015**, 10, 2135-48	4.9	17
31	Oncogenic Myc Induces Expression of Glutamine Synthetase through Promoter Demethylation. *Cell Metabolism*, **2015**, 22, 1068-77	24.6	121
30	The Many Virtues of tRNA-derived Stress-induced RNAs (tiRNAs): Discovering Novel Mechanisms of Stress Response and Effect on Human Health. *Journal of Biological Chemistry*, **2015**, 290, 29761-8	5.4	57
29	Coordinated Regulation of the Neutral Amino Acid Transporter SNAT2 and the Protein Phosphatase Subunit GADD34 Promotes Adaptation to Increased Extracellular Osmolarity. *Journal of Biological Chemistry*, **2015**, 290, 17822-17837	5.4	14
28	Exploring Internal Ribosome Entry Sites as Therapeutic Targets. *Frontiers in Oncology*, **2015**, 5, 233	5.3	35
27	Chromosome-associated protein D3 promotes bacterial clearance in human intestinal epithelial cells by repressing expression of amino acid transporters. *Gastroenterology*, **2015**, 148, 1405-1416.e3	13.3	11
26	Residues required for phosphorylation of translation initiation factor eIF2α under diverse stress conditions are divergent between yeast and human. *International Journal of Biochemistry and Cell Biology*, **2015**, 59, 135-41	5.6	4
25	Quantitative H2S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response. *ELife*, **2015**, 4, e10067	8.9	113
24	Angiogenin-cleaved tRNA halves interact with cytochrome c, protecting cells from apoptosis during osmotic stress. *Molecular and Cellular Biology*, **2014**, 34, 2450-63	4.8	172
23	Translational control during endoplasmic reticulum stress beyond phosphorylation of the translation initiation factor eIF2α *Journal of Biological Chemistry*, **2014**, 289, 12593-611	5.4	86
22	Regulation of Interferon-Stimulated Gene BST2 by a lncRNA Transcribed from a Shared Bidirectional Promoter. *Frontiers in Immunology*, **2014**, 5, 676	8.4	39
21	ER-stress-induced transcriptional regulation increases protein synthesis leading to cell death. *Nature Cell Biology*, **2013**, 15, 481-90	23.4	976
20	HuR controls mitochondrial morphology through the regulation of Bcl translation. *Translation*, **2013**, 1,		14
19	A self-defeating anabolic program leads to β-cell apoptosis in endoplasmic reticulum stress-induced diabetes via regulation of amino acid flux. *Journal of Biological Chemistry*, **2013**, 288, 17202-13	5.4	80
18	A novel feedback loop regulates the response to endoplasmic reticulum stress via the cooperation of cytoplasmic splicing and mRNA translation. *Molecular and Cellular Biology*, **2012**, 32, 992-1003	4.8	53
17	Genome-wide identification and quantitative analysis of cleaved tRNA fragments induced by cellular stress. *Journal of Biological Chemistry*, **2012**, 287, 42708-25	5.4	150
16	Transcriptional repression of ATF4 gene by CCAAT/enhancer-binding protein β (C/EBPβ) differentially regulates integrated stress response. *Journal of Biological Chemistry*, **2012**, 287, 21936-49	5.4	27

15	Characterization of hibernating ribosomes in mammalian cells. *Cell Cycle*, **2011**, 10, 2691-702	4.7	35
14	eIF2alpha phosphorylation tips the balance to apoptosis during osmotic stress. *Journal of Biological Chemistry*, **2010**, 285, 17098-111	5.4	68
13	Molecular symbiosis of CHOP and C/EBP beta isoform LIP contributes to endoplasmic reticulum stress-induced apoptosis. *Molecular and Cellular Biology*, **2010**, 30, 3722-31	4.8	87
12	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. *Molecular and Cellular Biology*, **2009**, 29, 2899-912	4.8	69
11	A feedback transcriptional mechanism controls the level of the arginine/lysine transporter cat-1 during amino acid starvation. *Biochemical Journal*, **2007**, 402, 163-73	3.8	76
10	Amino acid starvation induces the SNAT2 neutral amino acid transporter by a mechanism that involves eukaryotic initiation factor 2alpha phosphorylation and cap-independent translation. *Journal of Biological Chemistry*, **2006**, 281, 17929-40	5.4	87
9	Regulation of cationic amino acid transport: the story of the CAT-1 transporter. *Annual Review of Nutrition*, **2004**, 24, 377-99	9.9	161
8	Control of expression of the gene for the arginine transporter Cat-1 in rat liver cells by glucocorticoids and insulin. *Amino Acids*, **1998**, 15, 321-37	3.5	26
7	Fetal liver hematopoietic stem cells as a target for in utero retroviral gene transfer. *Blood*, **1991**, 78, 1132-1139	2.2	49
6	Hormonal control of interacting promoters introduced into cells by retroviruses. *Journal of Biological Chemistry*, **1991**, 266, 8416-25	5.4	13
5	Fetal liver hematopoietic stem cells as a target for in utero retroviral gene transfer. *Blood*, **1991**, 78, 1132-1139	2.2	1
4	Increased drug resistance following retroviral gene transfer of a chimeric P-enolpyruvate carboxykinase (GTP)-bacterial O6-alkylguanine-DNA alkyltransferase gene into NRK cells. *Carcinogenesis*, **1990**, 11, 737-43	4.6	6
3	Hepatic gene transfer in animals using retroviruses containing the promoter from the gene for phosphoenolpyruvate carboxykinase. *Journal of Biological Chemistry*, **1990**, 265, 17285-93	5.4	67
2	Hormonal regulation of chimeric genes containing the phosphoenolpyruvate carboxykinase promoter regulatory region in hepatoma cells infected by murine retroviruses. *Journal of Biological Chemistry*, **1988**, 263, 17798-808	5.4	18
1	Discovery of a redox-thiol switch regulating cellular energy metabolism		2