Maria Hatzoglou

List of Publications by Year in descending order

68 papers	4,833 citations	147566 31 h-index	102304 66 g-index
75 all docs	75 docs citations	75 times ranked	8382 citing authors

#	Article	IF	Citations
1	ER-stress-induced transcriptional regulation increases protein synthesis leading to cellÂdeath. Nature Cell Biology, 2013, 15, 481-490.	4.6	1,315
2	Angiogenin-Cleaved tRNA Halves Interact with Cytochrome c, Protecting Cells from Apoptosis during Osmotic Stress. Molecular and Cellular Biology, 2014, 34, 2450-2463.	1.1	236
3	Oncogenic PIK3CA mutations reprogram glutamine metabolism in colorectal cancer. Nature Communications, 2016, 7, 11971.	5.8	203
4	Oncogenic Myc Induces Expression of Glutamine Synthetase through Promoter Demethylation. Cell Metabolism, 2015, 22, 1068-1077.	7.2	189
5	REGULATION OF CATIONIC AMINO ACID TRANSPORT: The Story of the CAT-1 Transporter. Annual Review of Nutrition, 2004, 24, 377-399.	4.3	182
6	Genome-wide Identification and Quantitative Analysis of Cleaved tRNA Fragments Induced by Cellular Stress. Journal of Biological Chemistry, 2012, 287, 42708-42725.	1.6	181
7	Quantitative H2S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response. ELife, 2015, 4, e10067.	2.8	154
8	A Unique ISR Program Determines Cellular Responses to Chronic Stress. Molecular Cell, 2017, 68, 885-900.e6.	4.5	135
9	Translational Control during Endoplasmic Reticulum Stress beyond Phosphorylation of the Translation Initiation Factor eIF2Î±. Journal of Biological Chemistry, 2014, 289, 12593-12611.	1.6	120
10	A Self-defeating Anabolic Program Leads to Î²-Cell Apoptosis in Endoplasmic Reticulum Stress-induced Diabetes via Regulation of Amino Acid Flux. Journal of Biological Chemistry, 2013, 288, 17202-17213.	1.6	105
11	Amino Acid Starvation Induces the SNAT2 Neutral Amino Acid Transporter by a Mechanism That Involves Eukaryotic Initiation Factor 2Î± Phosphorylation and cap-independent Translation. Journal of Biological Chemistry, 2006, 281, 17929-17940.	1.6	98
12	Molecular Symbiosis of CHOP and C/EBPÎ² Isoform LIP Contributes to Endoplasmic Reticulum Stress-Induced Apoptosis. Molecular and Cellular Biology, 2010, 30, 3722-3731.	1.1	96
13	Metabolic adaptation of skeletal muscle to hyperammonemia drives the beneficial effects of l-leucine in cirrhosis. Journal of Hepatology, 2016, 65, 929-937.	1.8	96
14	eIF2Î± Phosphorylation Tips the Balance to Apoptosis during Osmotic Stress. Journal of Biological Chemistry, 2010, 285, 17098-17111.	1.6	83
15	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, 29761-29768.	1.6	81
16	A feedback transcriptional mechanism controls the level of the arginine/lysine transporter cat-1 during amino acid starvation. Biochemical Journal, 2007, 402, 163-173.	1.7	80
17	Translational control of breast cancer plasticity. Nature Communications, 2020, 11, 2498.	5.8	80
18	Hepatic gene transfer in animals using retroviruses containing the promoter from the gene for phosphoenolpyruvate carboxykinase. Journal of Biological Chemistry, 1990, 265, 17285-93.	1.6	75

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19	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, 2899-2912.	1.1	74
20	Hyperammonemia and proteostasis in cirrhosis. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 30-36.	1.3	72
21	Adaptation to mitochondrial stress requires CHOP-directed tuning of ISR. Science Advances, 2021, 7, .	4.7	68
22	DAZL Regulates Germ Cell Survival through a Network of PolyA-Proximal mRNA Interactions. Cell Reports, 2018, 25, 1225-1240.e6.	2.9	66
23	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.	1.1	64
24	Coenzyme Q deficiency causes impairment of the sulfide oxidation pathway. EMBO Molecular Medicine, 2017, 9, 96-111.	3.3	61
25	Fetal liver hematopoietic stem cells as a target for in utero retroviral gene transfer. Blood, 1991, 78, 1132-1139.	0.6	53
26	Exploring Internal Ribosome Entry Sites as Therapeutic Targets. Frontiers in Oncology, 2015, 5, 233.	1.3	48
27	Regulation of Interferon-Stimulated Gene BST2 by a lncRNA Transcribed from a Shared Bidirectional Promoter. Frontiers in Immunology, 2014, 5, 676.	2.2	47
28	Characterization of hibernating ribosomes in mammalian cells. Cell Cycle, 2011, 10, 2691-2702.	1.3	44
29	Transcriptional Repression of ATF4 Gene by CCAAT/Enhancer-binding Protein Î² (C/EBPÎ²) Differentially Regulates Integrated Stress Response. Journal of Biological Chemistry, 2012, 287, 21936-21949.	1.6	38
30	mTORC2 Balances AKT Activation and eIF2Î± Serine 51 Phosphorylation to Promote Survival under Stress. Molecular Cancer Research, 2015, 13, 1377-1388.	1.5	35
31	ER stress inhibitor attenuates hearing loss and hair cell death in Cdh23erl/erl mutant mice. Cell Death and Disease, 2016, 7, e2485-e2485.	2.7	34
32	Hydrogen sulfide modulates eukaryotic translation initiation factor 2Î± (eIF2Î±) phosphorylation status in the integrated stress-response pathway. Journal of Biological Chemistry, 2017, 292, 13143-13153.	1.6	33
33	A tale of two proteins: PACT and PKR and their roles in inflammation. FEBS Journal, 2021, 288, 6365-6391.	2.2	33
34	Macrophages with a deletion of the phosphoenolpyruvate carboxykinase 1 (Pck1) gene have a more proinflammatory phenotype. Journal of Biological Chemistry, 2018, 293, 3399-3409.	1.6	32
35	Coordinated transcriptional control of adipocyte triglyceride lipase (Atgl) by transcription factors Sp1 and peroxisome proliferatorâ€“activated receptor Î³ (PPARÎ³) during adipocyte differentiation. Journal of Biological Chemistry, 2017, 292, 14827-14835.	1.6	31
36	The eIF2A knockout mouse. Cell Cycle, 2016, 15, 3115-3120.	1.3	30

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37	Control of expression of the gene for the arginine transporter Cat-1 in rat liver cells by glucocorticoids and insulin. Amino Acids, 1998, 15, 321-337.	1.2	28
38	GADD34 Function in Protein Trafficking Promotes Adaptation to Hyperosmotic Stress in Human Corneal Cells. Cell Reports, 2017, 21, 2895-2910.	2.9	28
39	Discovery of a Redox Thiol Switch: Implications for Cellular Energy Metabolism. Molecular and Cellular Proteomics, 2020, 19, 852-870.	2.5	28
40	L-type Calcium Channel Blockers Enhance Trafficking and Function of Epilepsy-associated Î±1(D219N) Subunits of GABA_A Receptors. ACS Chemical Biology, 2015, 10, 2135-2148.	1.6	27
41	eIF2Î± phosphorylation is required to prevent hepatocyte death and liver fibrosis in mice challenged with a high fructose diet. Nutrition and Metabolism, 2017, 14, 48.	1.3	27
42	Translational control of PML contributes to TNFÎ±-induced apoptosis of MCF7 breast cancer cells and decreased angiogenesis in HUVECs. Cell Death and Differentiation, 2016, 23, 469-483.	5.0	26
43	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.	1.6	23
44	The integrated stress response is tumorigenic and constitutes a therapeutic liability in KRAS-driven lung cancer. Nature Communications, 2021, 12, 4651.	5.8	22
45	PACT-mediated PKR activation acts as a hyperosmotic stress intensity sensor weakening osmoadaptation and enhancing inflammation. ELife, 2020, 9, .	2.8	21
46	Adaptive translational pausing is a hallmark of the cellular response to severe environmental stress. Molecular Cell, 2021, 81, 4191-4208.e8.	4.5	18
47	Retrograde signaling by a mtDNA-encoded non-coding RNA preserves mitochondrial bioenergetics. Communications Biology, 2020, 3, 626.	2.0	17
48	Hormonal control of interacting promoters introduced into cells by retroviruses. Journal of Biological Chemistry, 1991, 266, 8416-25.	1.6	17
49	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.	0.6	16
50	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.	1.6	16
51	Autophagy impairment as a key feature for acetaminophen-induced ototoxicity. Cell Death and Disease, 2021, 12, 3.	2.7	16
52	HuR controls mitochondrial morphology through the regulation of Bcl_{xL}translation. Translation, 2013, 1, e23980.	2.9	15
53	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.	1.9	15
54	Protein Kinase R Mediates the Inflammatory Response Induced by Hyperosmotic Stress. Molecular and Cellular Biology, 2017, 37, .	1.1	14

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55	eIF2Aâ€knockout mice reveal decreased life span and metabolic syndrome. FASEB Journal, 2021, 35, e21990.	0.2	14
56	Downregulation of PERK activity and eIF2Î± 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.	2.7	10
57	Characterization of 5-(2-18F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. F1000Research, 2016, 5, 1851.	0.8	10
58	Early Cellular Responses of Prostate Carcinoma Cells to Sepantronium Bromide (YM155) Involve Suppression of mTORC1 by AMPK. Scientific Reports, 2019, 9, 11541.	1.6	9
59	Characterization of 5-(2-18F-fluoroethoxy)-L-tryptophan for PET imaging of the pancreas. F1000Research, 2016, 5, 1851.	0.8	9
60	Increased drug resistance following retroviral gene transfer of a chimeric P-enolipyruvate carboxykinase (GTIP)-bacterial O6 alkylguanine-DNA alkyltransferase gene into NRK cells. Carcinogenesis, 1990, 11, 737-743.	1.3	7
61	RITA requires eIF2Î±-dependent modulation of mRNA translation for its anti-cancer activity. Cell Death and Disease, 2019, 10, 845.	2.7	7
62	Role of Endoplasmic Reticulum Stress in Otitis Media. Frontiers in Genetics, 2020, 11, 495.	1.1	5
63	Residues required for phosphorylation of translation initiation factor eIF2Î± under diverse stress conditions are divergent between yeast and human. International Journal of Biochemistry and Cell Biology, 2015, 59, 135-141.	1.2	4
64	Adipocyte-specific deletion of zinc finger protein 407 results in lipodystrophy and insulin resistance in mice. Molecular and Cellular Endocrinology, 2021, 521, 111109.	1.6	4
65	A Synthetic Small RNA Homologous to the D-Loop Transcript of mtDNA Enhances Mitochondrial Bioenergetics. Frontiers in Physiology, 2022, 13, 772313.	1.3	3
66	Fetal liver hematopoietic stem cells as a target for in utero retroviral gene transfer. Blood, 1991, 78, 1132-1139.	0.6	1
67	Eukaryotic Hibernating Ribosome Dimers are Maintained by a Kissing Loop Formed by Ribosomal RNA. Microscopy and Microanalysis, 2018, 24, 1234-1235.	0.2	0
68	Synthetic Oligos Derived from mtDNA-Encoded Non-Coding RNAs as Potential Therapeutic Agents in Restoration of Mitochondrial Bioenergetics. , 2022, , .		0