

Zsolt Török

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,950
citations

394421

19
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifaceted Analyses of Isolated Mitochondria Establish the Anticancer Drug 2-Hydroxyoleic Acid as an Inhibitor of Substrate Oxidation and an Activator of Complex IV-Dependent State 3 Respiration. <i>Cells</i> , 2022, 11, 578.	4.1	2
2	Distinct Cellular Tools of Mild Hyperthermia-Induced Acquired Stress Tolerance in Chinese Hamster Ovary Cells. <i>Biomedicines</i> , 2022, 10, 1172.	3.2	1
3	The Small Heat Shock Protein, HSPB1, Interacts with and Modulates the Physical Structure of Membranes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7317.	4.1	6
4	Male and Female Animals Respond Differently to High-Fat Diet and Regular Exercise Training in a Mouse Model of Hyperlipidemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4198.	4.1	17
5	Lipids and Trehalose Actively Cooperate in Heat Stress Management of <i>Schizosaccharomyces pombe</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 13272.	4.1	12
6	The impact of dihydropyridine derivatives on the cerebral blood flow response to somatosensory stimulation and spreading depolarization. <i>British Journal of Pharmacology</i> , 2019, 176, 1222-1234.	5.4	17
7	Poly(ADP-ribose) polymerase-2 is a lipid-modulated modulator of muscular lipid homeostasis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1399-1412.	2.4	13
8	Dihydropyridines Allosterically Modulate Hsp90 Providing a Novel Mechanism for Heat Shock Protein Co-induction and Neuroprotection. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 51.	3.5	27
9	Mild heat induces a distinct "eustress" response in Chinese Hamster Ovary cells but does not induce heat shock protein synthesis. <i>Scientific Reports</i> , 2017, 7, 15643.	3.3	9
10	Metabolic crosstalk between membrane and storage lipids facilitates heat stress management in <i>Schizosaccharomyces pombe</i> . <i>PLoS ONE</i> , 2017, 12, e0173739.	2.5	26
11	Dihydropyridine Derivatives Modulate Heat Shock Responses and have a Neuroprotective Effect in a Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 557-571.	2.6	34
12	The central role of heat shock factor 1 in synaptic fidelity and memory consolidation. <i>Cell Stress and Chaperones</i> , 2016, 21, 745-753.	2.9	36
13	Involvement of small heat shock proteins, trehalose, and lipids in the thermal stress management in <i>Schizosaccharomyces pombe</i> . <i>Cell Stress and Chaperones</i> , 2016, 21, 327-338.	2.9	36
14	Oxidized Phospholipids Inhibit the Formation of Cholesterol-Dependent Plasma Membrane Nanoplatfoms. <i>Biophysical Journal</i> , 2016, 110, 205-213.	0.5	12
15	Cultured cells of the blood-brain barrier from apolipoprotein B-100 transgenic mice: effects of oxidized low-density lipoprotein treatment. <i>Fluids and Barriers of the CNS</i> , 2015, 12, 17.	5.0	26
16	Membrane lipid therapy: Modulation of the cell membrane composition and structure as a molecular base for drug discovery and new disease treatment. <i>Progress in Lipid Research</i> , 2015, 59, 38-53.	11.6	181
17	Rac1 Participates in Thermally Induced Alterations of the Cytoskeleton, Cell Morphology and Lipid Rafts, and Regulates the Expression of Heat Shock Proteins in B16F10 Melanoma Cells. <i>PLoS ONE</i> , 2014, 9, e89136.	2.5	26
18	Plasma membranes as heat stress sensors: From lipid-controlled molecular switches to therapeutic applications. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1594-1618.	2.6	115

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19	Key role of lipids in heat stress management. FEBS Letters, 2013, 587, 1970-1980.	2.8	137
20	Hydroxamic Acid Derivatives: Pleiotropic Hsp Co-Inducers Restoring Homeostasis and Robustness. Current Pharmaceutical Design, 2013, 19, 309-346.	1.9	61
21	Nutritional lipid supply can control the heat shock response of B16 melanoma cells in culture. Molecular Membrane Biology, 2012, 29, 274-289.	2.0	16
22	Heat Stress Causes Spatially-Distinct Membrane Re-Modelling in K562 Leukemia Cells. PLoS ONE, 2011, 6, e21182.	2.5	59
23	Membrane-Lipid Therapy in Operation: The HSP Co-Inducer BGP-15 Activates Stress Signal Transduction Pathways by Remodeling Plasma Membrane Rafts. PLoS ONE, 2011, 6, e28818.	2.5	71
24	Changes in Membrane Fluid State and Heat Shock Response Cause Attenuation of Virulence. Journal of Bacteriology, 2010, 192, 1999-2005.	2.2	15
25	Live Cell Segmentation in Fluorescence Microscopy via Graph Cut. , 2010, , .		12
26	Genetic Modification of the Salmonella Membrane Physical State Alters the Pattern of Heat Shock Response. Journal of Bacteriology, 2010, 192, 1988-1998.	2.2	16
27	Lipidomics reveals membrane lipid remodelling and release of potential lipid mediators during early stress responses in a murine melanoma cell line. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 1036-1047.	2.4	63
28	Hyperfluidization-coupled membrane microdomain reorganization is linked to activation of the heat shock response in a murine melanoma cell line. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7945-7950.	7.1	107
29	Membrane-Regulated Stress Response. , 2007, 594, 114-131.		46
30	Membrane fluidization triggers membrane remodeling which affects the thermotolerance in Escherichia coli. Biochemical and Biophysical Research Communications, 2005, 328, 1216-1223.	2.1	76
31	Heat shock protein coinducers with no effect on protein denaturation specifically modulate the membrane lipid phase. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3131-3136.	7.1	96
32	Small heat-shock proteins regulate membrane lipid polymorphism. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13504-13509.	7.1	294
33	Bimoclozolol: A nontoxic, hydroxylamine derivative with stress protein-inducing activity and cytoprotective effects. Nature Medicine, 1997, 3, 1150-1154.	30.7	278
34	Hydrogenation of biological membranes using a polymer-anchored colloidal palladium catalyst. Reaction Kinetics and Catalysis Letters, 1992, 48, 619-625.	0.6	7