Zsolt TÃ–rÃ–k

List of Publications by Year
in descending order

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34	1,950	394421	414414
papers	citations	19 h-index	32 g-index

34	34	34	2425
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Bimoclomol: A nontoxic, hydroxylamine derivative with stress protein-inducing activity and cytoprotective effects. Nature Medicine, 1997, 3, 1150-1154.	30.7	278
3	Membrane lipid therapy: Modulation of the cell membrane composition and structure as a molecular base for drug discovery and new disease treatment. Progress in Lipid Research, 2015, 59, 38-53.	11.6	181
4	Key role of lipids in heat stress management. FEBS Letters, 2013, 587, 1970-1980.	2.8	137
5	Plasma membranes as heat stress sensors: From lipid-controlled molecular switches to therapeutic applications. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1594-1618.	2.6	115
6	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
7	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
8	Membrane fluidization triggers membrane remodeling which affects the thermotolerance in Escherichia coli. Biochemical and Biophysical Research Communications, 2005, 328, 1216-1223.	2.1	76
9	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
10	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
11	Hydroximic Acid Derivatives: Pleiotropic Hsp Co-Inducers Restoring Homeostasis and Robustness. Current Pharmaceutical Design, 2013, 19, 309-346.	1.9	61
12	Heat Stress Causes Spatially-Distinct Membrane Re-Modelling in K562 Leukemia Cells. PLoS ONE, 2011, 6, e21182.	2.5	59
13	Membrane-Regulated Stress Response. , 2007, 594, 114-131.		46
14	The central role of heat shock factor 1 in synaptic fidelity and memory consolidation. Cell Stress and Chaperones, 2016, 21, 745-753.	2.9	36
15	Involvement of small heat shock proteins, trehalose, and lipids in the thermal stress management in Schizosaccharomyces pombe. Cell Stress and Chaperones, 2016, 21, 327-338.	2.9	36
16	Dihydropyridine Derivatives Modulate Heat Shock Responses and have a Neuroprotective Effect in a Transgenic Mouse Model of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 53, 557-571.	2.6	34
17	Dihydropyridines Allosterically Modulate Hsp90 Providing a Novel Mechanism for Heat Shock Protein Co-induction and Neuroprotection. Frontiers in Molecular Biosciences, 2018, 5, 51.	3.5	27
18	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. PLoS ONE, 2014, 9, e89136.	2.5	26

#	ARTICLE	IF	CITATIONS
19	Cultured cells of the bloodâ€“brain barrier from apolipoprotein B-100 transgenic mice: effects of oxidized low-density lipoprotein treatment. Fluids and Barriers of the CNS, 2015, 12, 17.	5.0	26
20	Metabolic crosstalk between membrane and storage lipids facilitates heat stress management in Schizosaccharomyces pombe. PLoS ONE, 2017, 12, e0173739.	2.5	26
21	The impact of dihydropyridine derivatives on the cerebral blood flow response to somatosensory stimulation and spreading depolarization. British Journal of Pharmacology, 2019, 176, 1222-1234.	5.4	17
22	Male and Female Animals Respond Differently to High-Fat Diet and Regular Exercise Training in a Mouse Model of Hyperlipidemia. International Journal of Molecular Sciences, 2021, 22, 4198.	4.1	17
23	Genetic Modification of theSalmonellaMembrane Physical State Alters the Pattern of Heat Shock Response. Journal of Bacteriology, 2010, 192, 1988-1998.	2.2	16
24	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
25	Changes in Membrane Fluid State and Heat Shock Response Cause Attenuation of Virulence. Journal of Bacteriology, 2010, 192, 1999-2005.	2.2	15
26	Poly(ADP-ribose) polymerase-2 is a lipid-modulated modulator of muscular lipid homeostasis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1399-1412.	2.4	13
27	Live Cell Segmentation in Fluorescence Microscopy via Graph Cut. , 2010, , .		12
28	Oxidized Phospholipids Inhibit the Formation of Cholesterol-Dependent Plasma Membrane Nanoplatforms. Biophysical Journal, 2016, 110, 205-213.	0.5	12
29	Lipids and Trehalose Actively Cooperate in Heat Stress Management of Schizosaccharomyces pombe. International Journal of Molecular Sciences, 2021, 22, 13272.	4.1	12
30	Mild heat induces a distinct â€œeustressâ€•response in Chinese Hamster Ovary cells but does not induce heat shock protein synthesis. Scientific Reports, 2017, 7, 15643.	3.3	9
31	Hydrogenation of biological membranes using a polymer-anchored colloidal palladium catalyst. Reaction Kinetics and Catalysis Letters, 1992, 48, 619-625.	0.6	7
32	The Small Heat Shock Protein, HSPB1, Interacts with and Modulates the Physical Structure of Membranes. International Journal of Molecular Sciences, 2022, 23, 7317.	4.1	6
33	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. Cells, 2022, 11, 578.	4.1	2
34	Distinct Cellular Tools of Mild Hyperthermia-Induced Acquired Stress Tolerance in Chinese Hamster Ovary Cells. Biomedicines, 2022, 10, 1172.	3.2	1