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**Heat shock proteins: modifying factors in physiological stress responses and acquired thermotolerance**

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1142	The allele (A)(-110) in the promoter region of the HSP70-1 gene is unfavorable to longevity in women. <b>2003</b> , 4, 215-20		42
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1138	AMPA, kainate, and NMDA receptor densities in the hippocampus of untreated male rats and females in estrus and diestrus. <b>2003</b> , 459, 468-74		45
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1134	Heat-induced liver injury in old rats is associated with exaggerated oxidative stress and altered transcription factor activation. <b>2003</b> , 17, 2293-5		96
1133	Troglitazone reduces heat shock protein 70 content in primary rat hepatocytes by a ubiquitin proteasome independent mechanism. <b>2003</b> , 48, 119-119		
1132	Clinical review: fever in intensive care unit patients. <b>2003</b> , 7, 221-5		84
1131	cDNA microarray analysis reveals chop-10 plays a key role in Sertoli cell injury induced by bisphenol A. <b>2003</b> , 305, 54-61		19
1130	Tissue- and stressor-specific differential expression of two hsc70 genes in carp. <b>2003</b> , 307, 503-9		74
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1128	Copper impact on heat shock protein 70 expression and apoptosis in rainbow trout hepatocytes. <b>2003</b> , 135C, 345-55		21

1127	Genomic convergence: identifying candidate genes for Parkinson's disease by combining serial analysis of gene expression and genetic linkage. <b>2003</b> , 12, 671-677	83
1126	Protein profiling of the human epidermis from the elderly reveals up-regulation of a signature of interferon-gamma-induced polypeptides that includes manganese-superoxide dismutase and the p85beta subunit of phosphatidylinositol 3-kinase. <b>2003</b> , 2, 70-84	34
1125	Heat shock suppresses the permeability transition in rat liver mitochondria. <b>2003</b> , 278, 16755-60	55
1124	Intracellular localization of a group II chaperonin indicates a membrane-related function. <b>2003</b> , 100, 15589-94	25
1123	Lowered temperature set point for activation of the cellular stress response in T-lymphocytes. <b>2003</b> , 278, 9322-6	34
1122	Gene expression is differentially regulated in the epididymis after orchidectomy. <b>2003</b> , 144, 975-88	63
1121	Integrating development and environment to model reproductive performance in natural populations of an intertidal gastropod. <b>2003</b> , 43, 450-8	16
1120	Habitual physical activity facilitates stress-induced HSP72 induction in brain, peripheral, and immune tissues. <b>2003</b> , 284, R520-30	67
1119	Role of the mitochondrial permeability transition in apoptotic and necrotic death after ischemia/reperfusion injury to hepatocytes. <b>2003</b> , 3, 527-35	155
1118	Intracellular HSP72 detection in HL60 cells using a flow cytometry system based on microfluidic analysis. <b>2003</b> , 35, 358-62, 364, 366-7	11
1117	HIF-1 is required for heat acclimation in the nematode <i>Caenorhabditis elegans</i> . <b>2003</b> , 14, 17-24	92
1116	Stress-related genomic responses during the course of heat acclimation and its association with ischemic-reperfusion cross-tolerance. <i>Journal of Applied Physiology</i> , <b>2004</b> , 97, 1496-507	3-7 68
1115	Bacterial superantigen-treated intestinal epithelial cells upregulate heat shock proteins 25 and 72 and are resistant to oxidant cytotoxicity. <b>2004</b> , 72, 3187-94	29
1114	Homologous adaptation to oxidative stress induced by the photosensitized Pd-bacteriochlorophyll derivative (WST11) in cultured endothelial cells. <b>2004</b> , 279, 45713-20	12
1113	Modulation of neural circuit operation by prior environmental stress. <b>2004</b> , 44, 21-7	36
1112	Dynamic O-GlcNAc modification of nucleocytoplasmic proteins in response to stress. A survival response of mammalian cells. <b>2004</b> , 279, 30133-42	416
1111	Radioresistance is associated to increased Hsp70 content in human glioblastoma cell lines. <b>2004</b> , 25, 777	13
1110	Cloning and molecular characterization of heat shock cognate 70 from tiger shrimp ( <i>Penaeus monodon</i> ). <b>2004</b> , 9, 332-43	60

1109	T-complex polypeptide-1 interacts with the erythrocyte cytoskeleton in response to elevated temperatures. <b>2004</b> , 279, 16223-8	8
1108	HSF1 modulation of Hsp70 mRNA polyadenylation via interaction with symplekin. <b>2004</b> , 279, 10551-5	57
1107	Redox modulation of the liver with chronic antioxidant enzyme mimetic treatment prevents age-related oxidative damage associated with environmental stress. <b>2004</b> , 18, 1547-9	55
1106	Repression of thermotolerance in Dunning R3327 prostate carcinoma cells by 2-deoxy-glucose. <b>2004</b> , 20, 557-66	1
1105	Characterization of a novel fibroblast-like cell line from rainbow trout and responses to sublethal anoxia. <b>2004</b> , 64, 1103-1116	37
1104	Heat shock protein-27 is upregulated in the temporal cortex of patients with epilepsy. <b>2004</b> , 45, 1549-59	37
1103	Roles of compatible osmolytes and heat shock protein 70 in the induction of tolerance to stresses in porcine endothelial cells. <b>2004</b> , 555, 757-67	18
1102	Suppression of cadmium-induced JNK/p38 activation and HSP70 family gene expression by LL-Z1640-2 in NIH3T3 cells. <b>2004</b> , 196, 206-14	23
1101	Cat exposure induces both intra- and extracellular Hsp72: the role of adrenal hormones. <b>2004</b> , 29, 1142-52	107
1100	Proteasome inhibition increases HuR level, restores heat-inducible HSP72 expression and thermotolerance in WI-38 senescent human fibroblasts. <b>2004</b> , 39, 423-32	19
1099	Effect of temperature and duration of hyperthermia on HSP72 induction in rat tissues. <b>2004</b> , 267, 187-94	24
1098	The bud scar-based screening system for hunting human genes extending life span. <b>2004</b> , 1019, 355-9	7
1097	Heat shock protein 70 in the rat nasal cavity: localisation and response to hyperthermia. <b>2004</b> , 78, 344-50	10
1096	Immunolocalization of heat shock protein 27 in developing jaw bones and tooth germs of human fetuses. <b>2004</b> , 75, 509-16	23
1095	Bioluminescent bioreporter integrated circuits: potentially small, rugged and inexpensive whole-cell biosensors for remote environmental monitoring. <b>2004</b> , 96, 33-46	95
1094	Effect of heat preconditioning on the uptake and permeability of R123 in brain microvessel endothelial cells during mild heat treatment. <b>2004</b> , 93, 896-907	13
1093	Progressive strenuous exercise induces the expression of HSP70 in rat skeletal muscles and myocardium. <b>2004</b> , 29, 765-768	
1092	Thermal stress and neural function: adaptive mechanisms in insect model systems. <b>2004</b> , 29, 351-358	68

1091	Gastric transcription profile of <i>Helicobacter pylori</i> infection in the rhesus macaque. <b>2004</b> , 72, 5216-26		36
1090	Expression of prostaglandin G/H synthase (PGHS) and heat shock protein-70 (HSP-70) in the corpus luteum (CL) of prostaglandin F2 alpha-treated immature superovulated rats. <b>2004</b> , 82, 363-71		15
1089	Thermolimit respirometry: an objective assessment of critical thermal maxima in two sympatric desert harvester ants, <i>Pogonomyrmex rugosus</i> and <i>P. californicus</i> . <b>2004</b> , 207, 1903-13		118
1088	The effects of temperature reduction on gene expression and oxidative stress in skeletal muscle from adult zebrafish. <b>2004</b> , 138, 363-73		68
1087	Heat shock protein 72 binds and protects dihydrofolate reductase against oxidative injury. <b>2004</b> , 313, 185-92		20
1086	Transcriptome analysis in a rat model of L-DOPA-induced dyskinesia. <b>2004</b> , 17, 219-36		131
1085	Immunohistochemical distribution of Toll-like receptor 4 in term and preterm human placentas from normal and complicated pregnancy including chorioamnionitis. <b>2004</b> , 35, 47-54		120
1084	Effect of brain death on gene expression and tissue activation in human donor kidneys. <b>2004</b> , 78, 978-86		102
1083	Microfluidic cell analysis and sorting using photonic forces. <b>2004</b> ,		1
1082	Evaluating myocardial depression in sepsis. <b>2004</b> , 22, 1-10		43
1081	Exertional heat injury and gene expression changes: a DNA microarray analysis study. <i>Journal of Applied Physiology</i> , <b>2004</b> , 96, 1943-53	3.7	85
1080	Molecular cloning and expression of two HSP70 genes in the prawn, <i>Macrobrachium rosenbergii</i> . <b>2004</b> , 9, 313-23		67
1079	<i>Escherichia coli</i> LPS induces heat shock protein 25 in intestinal epithelial cells through MAP kinase activation. <b>2004</b> , 286, G645-52		49
1078	Circulating human heat shock protein 60 in the blood of healthy teenagers: a novel determinant of endothelial dysfunction and early vascular injury?. <b>2005</b> , 25, e141-2		20
1077	Endogenous Cytoprotective Mechanisms. <b>2005</b> , 49-65		3
1076	Molecular chaperones as therapeutic targets in amyotrophic lateral sclerosis. <b>2005</b> , 33, 551-2		10
1075	Thermally induced injury and heat-shock protein expression in cells and tissues. <b>2005</b> , 1066, 222-42		77
1074	Microfluidic sorting of mammalian cells by optical force switching. <b>2005</b> , 23, 83-7		536

1073	Heat shock protein induction in the freshwater prawn <i>Macrobrachium malcolmsonii</i> : acclimation-influenced variations in the induction temperatures for Hsp70. <b>2005</b> , 140, 209-15	28
1072	Direct, pleiotropic protective effect of cyclosporin A against simulated ischemia-induced injury in isolated cardiomyocytes. <b>2005</b> , 511, 109-20	9
1071	BCL-xL overexpression effectively protects against tetrafluoroethylcysteine-induced intramitochondrial damage and cell death. <b>2005</b> , 69, 147-57	12
1070	Modelling the actions of chaperones and their role in ageing. <b>2005</b> , 126, 119-31	64
1069	High hydrostatic pressure inhibits the biosynthesis of eukaryotic elongation factor-2. <b>2005</b> , 94, 497-507	17
1068	Thermotolerance induced at a mild temperature of 40 degrees C protects cells against heat shock-induced apoptosis. <b>2005</b> , 205, 47-57	35
1067	Expression of heat-shock protein 70 during limb development and regeneration in the axolotl. <b>2005</b> , 233, 1525-34	20
1066	Effects of exposure to a 1950 MHz radio frequency field on expression of Hsp70 and Hsp27 in human glioma cells. <b>2005</b> , 26, 251-7	52
1065	Induction of heat shock protein 70 in rat olfactory epithelium by toxic chemicals: in vitro and in vivo studies. <b>2005</b> , 79, 224-30	9
1064	Cellular responses to mild heat stress. <b>2005</b> , 62, 10-23	138
1063	Hsp70 chaperones: cellular functions and molecular mechanism. <b>2005</b> , 62, 670-84	1980
1062	Heat shock protein 70 and the acute respiratory distress syndrome. <b>2005</b> , 19, 236-42	10
1061	Heat shock proteins in renal cell carcinomas. <b>2005</b> , 148, 35-56	21
1060	Stress inhibits nucleocytoplasmic shuttling of heat shock protein hsc70. <b>2005</b> , 289, C1034-41	62
1059	Physical activity alters the brain Hsp72 and IL-1beta responses to peripheral E. coli challenge. <b>2005</b> , 289, R1665-74	26
1058	Habitual low-intensity exercise does not protect against myocardial dysfunction after ischemia in rats. <b>2005</b> , 12, 169-74	16
1057	Spinal cord trauma activates processing of xbp1 mRNA indicative of endoplasmic reticulum dysfunction. <b>2005</b> , 22, 1018-24	21
1056	Effects of acute and adaptive hypoxia on heat shock protein expression in hepatic tissue. <b>2005</b> , 6, 247-55	9

1055	Antioxidant status in J774A.1 macrophage cell line during chronic exposure to glycated serum. <b>2005</b> , 83, 176-87	7
1054	Endogenous extra-cellular heat shock protein 72: releasing signal(s) and function. <b>2005</b> , 21, 457-71	88
1053	How do cells respond to their thermal environment?. <b>2005</b> , 21, 681-7	111
1052	Geldanamycin activates Hsp70 response and attenuates okadaic acid-induced cytotoxicity in human retinal pigment epithelial cells. <b>2005</b> , 137, 126-31	17
1051	Bilateral, vascular and perivascular glial upregulation of heat shock protein-27 after repeated epileptic seizures. <b>2005</b> , 30, 1-16	11
1050	Heat shock protein 27 expression in patients with chronic liver damage. <b>2005</b> , 209, 729-35	12
1049	Increased BNip3 and decreased mutant p53 in cisplatin-sensitive PDT-resistant HT29 cells. <b>2005</b> , 331, 648-57	10
1048	Degradation-mediated protein quality control in the nucleus. <b>2005</b> , 120, 803-15	212
1047	Spatial and temporal control of expression of therapeutic genes using heat shock protein promoters. <b>2005</b> , 35, 188-98	55
1046	1alpha,25-dihydroxy-vitamin D3 in combination with 17beta-estradiol lowers the cortical expression of heat shock protein-27 following experimentally induced focal cortical ischemia in rats. <b>2005</b> , 439, 70-9	27
1045	Thermal stress and the physiological response to environmental toxicants. <b>2005</b> , 20, 235-63	17
1044	Time course and differential responses of the major heat shock protein families in human skeletal muscle following acute nondamaging treadmill exercise. <i>Journal of Applied Physiology</i> , <b>2006</b> , 101, 176-82 <sup>3,7</sup>	124
1043	Influencia del tipo de patologí y la edad en la expresiñ hepíca de la proteíña de choque Hsp27. <b>2006</b> , 41, 117-124	
1042	Proteasomal defense of oxidative protein modifications. <b>2006</b> , 8, 173-84	105
1041	The last 100 years of sepsis. <b>2006</b> , 173, 256-63	106
1040	Physiological Diversity in Insects: Ecological and Evolutionary Contexts. <b>2006</b> , 33, 50-152	373
1039	Microarray gene expression profiling of a human glioblastoma cell line exposed in vitro to a 1.9 GHz pulse-modulated radiofrequency field. <b>2006</b> , 165, 636-44	39
1038	Oxidative stress during stressful heat exposure and recovery in the North Sea eelpout <i>Zoarces viviparus</i> L. <b>2006</b> , 209, 353-63	151

1037	A proteomic screen identified stress-induced chaperone proteins as targets of Akt phosphorylation in mesangial cells. <b>2006</b> , 5, 1636-46		40
1036	Molecular cloning of the heat-shock cognate 70 (Hsc70) gene from the two-spotted spider mite, <i>Tetranychus urticae</i> , and its expression in response to heat shock and starvation. <b>2006</b> , 145, 288-95		38
1035	Double-stranded RNA-dependent protein kinase (PKR) is a stress-responsive kinase that induces NFkappaB-mediated resistance against mercury cytotoxicity. <b>2006</b> , 78, 1845-56		14
1034	Pathophysiological factors underlying heatstroke. <b>2006</b> , 67, 609-17		69
1033	Sexual dimorphism of the intracellular heat shock protein 72 response. <i>Journal of Applied Physiology</i> , <b>2006</b> , 101, 566-75	3-7	31
1032	Thermoprotection of synaptic transmission in a <i>Drosophila</i> heat shock factor mutant is accompanied by increased expression of Hsp83 and DnaJ-1. <b>2006</b> , 25, 493-501		29
1031	Sepsis. <b>2006</b> ,		
1030	The Aggresome: Proteasomes, Inclusion Bodies, and Protein Aggregation. <b>2006</b> , 175-222		
1029	Chronic antioxidant enzyme mimetic treatment differentially modulates hyperthermia-induced liver HSP70 expression with aging. <i>Journal of Applied Physiology</i> , <b>2006</b> , 100, 1385-91	3-7	17
1028	Heat intolerance: does gene transcription contribute?. <i>Journal of Applied Physiology</i> , <b>2006</b> , 100, 1370-6	3-7	38
1027	Vitamin E isoform-specific inhibition of the exercise-induced heat shock protein 72 expression in humans. <i>Journal of Applied Physiology</i> , <b>2006</b> , 100, 1679-87	3-7	70
1026	Human skin cell stress response to GSM-900 mobile phone signals. In vitro study on isolated primary cells and reconstructed epidermis. <b>2006</b> , 273, 5491-507		29
1025	Impact of heat shock on heat shock proteins expression, biological and commercial traits of <i>Bombyx mori</i> . <b>2006</b> , 13, 243-250		16
1024	Spermatocyte-specific expression of constitutively active heat shock factor 1 induces HSP70i-resistant apoptosis in male germ cells. <b>2006</b> , 13, 212-22		46
1023	Small molecule pharmacological chaperones: From thermodynamic stabilization to pharmaceutical drugs. <b>2006</b> , 1764, 1677-87		110
1022	Cytotoxicity and cell signalling induced by continuous mild hyperthermia in freshly isolated mouse hepatocytes. <b>2006</b> , 224, 210-8		34
1021	Chaperones and proteases: cellular fold-controlling factors of proteins in neurodegenerative diseases and aging. <b>2006</b> , 30, 249-65		77
1020	Fluorescence imaging of heat-stress induced mitochondrial long-term depolarization in breast cancer cells. <b>2006</b> , 16, 689-95		21



1019	Surfactant copolymers prevent aggregation of heat denatured lysozyme. <b>2006</b> , 34, 1190-200	25
1018	Chronic schisandrin B treatment improves mitochondrial antioxidant status and tissue heat shock protein production in various tissues of young adult and middle-aged rats. <b>2006</b> , 7, 199-210	37
1017	Attenuation of muscle damage by preconditioning with muscle hyperthermia 1-day prior to eccentric exercise. <b>2007</b> , 99, 183-92	40
1016	The effect of alphaB-crystallin and Hsp27 on the availability of translation initiation factors in heat-shocked cells. <b>2006</b> , 63, 735-43	18
1015	Sepsis associated cardiomyopathy. <b>2006</b> , 17, 349-358	3
1014	Increased expression of stress proteins in the surf clam <i>Donax variabilis</i> following hydrogen sulfide exposure. <b>2006</b> , 145, 245-57	29
1013	Cytosolic heat shock proteins and heme oxygenase-1 are preferentially induced in response to specific and localized intramitochondrial damage by tetrafluoroethylcysteine. <b>2006</b> , 72, 80-90	9
1012	Coping with stress: cellular relaxation techniques. <b>2006</b> , 16, 657-63	30
1011	Comparison of gene expression profile between human chondrons and chondrocytes: a cDNA microarray study. <b>2006</b> , 14, 449-59	27
1010	Nuclear clusterin accumulation during heat shock response: implications for cell survival and thermo-tolerance induction in immortalized and prostate cancer cells. <b>2006</b> , 207, 208-19	35
1009	Loss of Hsp70 in <i>Drosophila</i> is pleiotropic, with effects on thermotolerance, recovery from heat shock and neurodegeneration. <b>2006</b> , 172, 275-86	99
1008	Stress protein expression kinetics. <b>2006</b> , 8, 403-24	66
1007	Releasing signals, secretory pathways, and immune function of endogenous extracellular heat shock protein 72. <b>2006</b> , 79, 425-34	183
1006	Differential gene expression in peripheral blood lymphocytes of cancer patients treated with whole body hyperthermia and chemotherapy: a pilot study. <b>2006</b> , 22, 625-35	4
1005	Growth of Larval to Juvenile Green Sturgeon in Elevated Temperature Regimes. <b>2006</b> , 135, 89-96	26
1004	Physiological fever temperature induces a protective stress response in T lymphocytes mediated by heat shock factor-1 (HSF1). <b>2007</b> , 179, 8305-12	21
1003	Shut-down of translation, a global neuronal stress response: mechanisms and pathological relevance. <b>2007</b> , 13, 1887-902	32
1002	The effects of 41 degrees C hyperthermia on the DNA repair protein, MRE11, correlate with radiosensitization in four human tumor cell lines. <b>2007</b> , 23, 343-51	18

1001	NF-kappaB regulates the response of embryonic cells to heat shock. <b>2007</b> , 23, 277-86	3
1000	Increased temperature, not cardiac load, activates heat shock transcription factor 1 and heat shock protein 72 expression in the heart. <b>2007</b> , 292, R432-9	58
999	Extracellular heat shock protein 70 has novel functional effects on sea urchin eggs and coelomocytes. <b>2007</b> , 210, 1275-87	17
998	The effect of prior exercise on ex vivo induction of heme oxygenase-1 in human lymphocytes. <b>2007</b> , 41, 1125-34	4
997	Dietary carbohydrate modification induces alterations in gene expression in abdominal subcutaneous adipose tissue in persons with the metabolic syndrome: the FUNGENUT Study. <b>2007</b> , 85, 1417-27	109
996	Developmental competence and expression of the Hsp 70.1 gene in oocytes obtained from <i>Bos indicus</i> and <i>Bos taurus</i> dairy cows in a tropical environment. <b>2007</b> , 68, 626-32	43
995	Identification of cDNAs encoding HSP70 and HSP90 in the abalone <i>Haliotis tuberculata</i> : Transcriptional induction in response to thermal stress in hemocyte primary culture. <b>2007</b> , 146, 540-50	100
994	Identification of genes responsive to low intensity pulsed ultrasound in a human leukemia cell line Molt-4. <b>2007</b> , 246, 149-56	58
993	The effect of induced hyperthermia on the immune system. <b>2007</b> , 162, 137-52	24
992	Mobile phone base station-emitted radiation does not induce phosphorylation of Hsp27. <b>2007</b> , 28, 99-108	27
991	Gene expression patterns during adaptation of a helminth parasite to different environmental niches. <b>2007</b> , 8, R65	72
990	Exertional heat illness and human gene expression. <b>2007</b> , 162, 321-46	17
989	Cerebral neurons and glial cell types inducing heat shock protein Hsp70 following heat stress in the rat. <b>2007</b> , 162, 417-31	11
988	Heat stroke and cytokines. <b>2007</b> , 162, 481-524	77
987	An integrated view of oxidative stress in aging: basic mechanisms, functional effects, and pathological considerations. <b>2007</b> , 292, R18-36	556
986	Identification of genes responsive to paeoniflorin, a heat shock protein-inducing compound, in human leukemia U937 cells. <b>2007</b> , 23, 529-37	13
985	Heat shock proteins and the heat shock response during hyperthermia and its modulation by altered physiological conditions. <b>2007</b> , 162, 433-46	73
984	Fluoro-edenite fibers induce expression of Hsp70 and inflammatory response. <b>2007</b> , 4, 195-202	16

983	Using lymphocyte and plasma Hsp70 as biomarkers for assessing coke oven exposure among steel workers. <b>2007</b> , 115, 1573-7	39
982	Endogenous Extracellular Hsp72 Release Is an Adaptive Feature of the Acute Stress Response. <b>2007</b> , 1013-1034	1
981	Developmental and hyperthermia-induced expression of the heat shock proteins HSP60 and HSP70 in tissues of the housefly <i>Musca domestica</i> : an in vitro study. <b>2007</b> , 30, 159-168	11
980	Heat Resistance. <b>2007</b> , 278-283	
979	Expression of HSP72 after ELF-EMF exposure in three cell lines. <b>2007</b> , 28, 509-18	23
978	Insights into function and regulation of small heat shock protein 25 (HSPB1) in a mouse model with targeted gene disruption. <b>2007</b> , 45, 487-501	72
977	Stress response of a freshwater clam along an abiotic gradient: too much oxygen may limit distribution. <b>2007</b> , 21, 344-355	18
976	Inducible 70 kDa heat shock protein does not protect spermatogenic cells from damage induced by cryptorchidism. <b>2007</b> , 30, 80-7	16
975	Transcriptional profiling of Arabidopsis heat shock proteins and transcription factors reveals extensive overlap between heat and non-heat stress response pathways. <b>2007</b> , 8, 125	407
974	Effect of glucocorticoid depletion on heat-induced Hsp70, IL-1beta and TNF-alpha gene expression. <b>2007</b> , 1164, 63-71	17
973	Heat shock response and acute lung injury. <b>2007</b> , 42, 1-14	92
972	Heavy metal ions in normal physiology, toxic stress, and cytoprotection. <b>2007</b> , 1113, 159-72	46
971	Heat Shock Proteins in Inflammation. <b>2007</b> , 113-121	0
970	Extracellular Hsp 72: A Double-Edged Sword for Host Defense. <b>2007</b> , 235-263	6
969	[Therapy of hyperthermia in sepsis and septic shock. Necessary or injurious?]. <b>2007</b> , 56, 949-52, 954-6	5
968	Diathermy treatment increases heat shock protein expression in female, but not male skeletal muscle. <b>2008</b> , 102, 319-23	10
967	Hyperosmotic stress response: comparison with other cellular stresses. <b>2007</b> , 454, 173-85	80
966	Hsp70 response to 5-fluorouracil treatment in human colon cancer cell lines. <b>2007</b> , 22, 1201-8	30

965	Association between heat stress protein 70 induction and decreased pulmonary fibrosis in an animal model of acute lung injury. <b>2007</b> , 185, 287-293	33
964	Polyglutamine expansion in <i>Drosophila</i> : thermal stress and Hsp70 as selective agents. <b>2007</b> , 32, 537-47	13
963	Bicyclol: a novel antihepatitis drug with hepatic heat shock protein 27/70-inducing activity and cytoprotective effects in mice. <b>2008</b> , 13, 347-55	30
962	Cell-specific association of heat shock-induced proton flux with actin ring formation in <i>Chenopodium</i> cells: comparison of auto- and heterotroph cultures. <b>2008</b> , 234, 33-50	9
961	The effect of the rate of heat storage on serum heat shock protein 72 in humans. <b>2008</b> , 104, 965-72	14
960	Inducible and constitutive heat shock gene expression responds to modification of Hsp70 copy number in <i>Drosophila melanogaster</i> but does not compensate for loss of thermotolerance in Hsp70 null flies. <b>2008</b> , 6, 5	84
959	Exogenous Hsc70, but not thermal preconditioning, confers protection to motoneurons subjected to oxidative stress. <b>2008</b> , 68, 1-17	28
958	Cloning of heat shock protein genes from the brown planthopper, <i>Nilaparvata lugens</i> , and the small brown planthopper, <i>Laodelphax striatellus</i> , and their expression in relation to thermal stress. <b>2008</b> , 15, 415-422	6
957	Comparative analysis of global gene expression profiles between diabetic rat wounds treated with vacuum-assisted closure therapy, moist wound healing or gauze under suction. <b>2008</b> , 5, 615-24	17
956	Induced thermotolerance and tissue Hsc70 in juvenile coho salmon, <i>Oncorhynchus kisutch</i> . <b>2008</b> , 89, 331-338	9
955	Heat shock protein 72 response to exercise in humans. <b>2008</b> , 38, 715-33	39
954	miRNA modulation of the cellular stress response. <b>2008</b> , 4, 289-98	76
953	Overexpression of a <i>Trichoderma</i> HSP70 gene increases fungal resistance to heat and other abiotic stresses. <b>2008</b> , 45, 1506-13	59
952	Molecular cloning, characterization and expression of heat shock protein 90 gene in the haemocytes of bay scallop <i>Argopecten irradians</i> . <b>2008</b> , 24, 379-85	83
951	Exercise pretraining attenuates endotoxin-induced hemodynamic alteration in type I diabetic rats. <b>2008</b> , 33, 976-83	10
950	Aging results in increased autophagy of mitochondria and protein nitration in rat hepatocytes following heat stress. <b>2008</b> , 56, 615-27	50
949	Amyloid beta-protein assembly as a therapeutic target of Alzheimer's disease. <b>2008</b> , 14, 3231-46	94
948	Hsp60 expression, new locations, functions and perspectives for cancer diagnosis and therapy. <b>2008</b> , 7, 801-9	190

947	HSP70 and EndoG modulate cell death by heat in human skin keratinocytes in vitro. <b>2008</b> , 187, 131-40	11
946	Thiopental protects human T lymphocytes from apoptosis in vitro via the expression of heat shock protein 70. <b>2008</b> , 325, 217-25	21
945	Heat shock protein 72: release and biological significance during exercise. <b>2008</b> , 13, 1328-39	59
944	Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 and HSP90 in peripheral blood mononuclear cells. <b>2008</b> , 294, R185-91	91
943	Activation of hepatocytes by extracellular heat shock protein 72. <b>2008</b> , 295, C514-20	44
942	Heat acclimation and HSP-72 expression in exercising humans. <b>2008</b> , 29, 269-76	18
941	Thermotolerance induced at a fever temperature of 40 degrees C protects cells against hyperthermia-induced apoptosis mediated by death receptor signalling. <b>2008</b> , 86, 521-38	43
940	Leg immersion in warm water, stretch-shortening exercise, and exercise-induced muscle damage. <b>2008</b> , 43, 592-9	34
939	The effects of long-duration, low-temperature ground transportation on physiological and biochemical indicators of stress in mice. <b>2008</b> , 37, 121-6	6
938	The U-shaped response of initial mortality in <i>Caenorhabditis elegans</i> to mild heat shock: does it explain recent trends in human mortality?. <b>2008</b> , 63, 660-8	17
937	Pre-dive sauna and venous gas bubbles upon decompression from 400 kPa. <b>2008</b> , 79, 1100-5	25
936	Ischemic preconditioning prevents free radical production and mitochondrial depolarization in small-for-size rat liver grafts. <b>2008</b> , 85, 1322-31	33
935	1962-2007: a cell stress odyssey. <b>2008</b> , 291, 3-15; discussion 15-22, 137-40	9
934	Estrogen, NFkappaB, and the heat shock response. <b>2008</b> , 14, 517-27	76
933	The Effects of Organophosphates in the Early Stages of Human Muscle Regeneration. <b>2009</b> , 683-690	
932	Molecular parameters of hyperthermia for radiosensitization. <b>2009</b> , 19, 235-51	33
931	Calcium release and development of heat-shocked porcine oocytes after nucleus-ooplasm reconstruction. <b>2009</b> , 11, 557-63	6
930	Mammalian heat shock factor 1 is essential for oocyte meiosis and directly regulates Hsp90alpha expression. <b>2009</b> , 284, 9521-8	67

929	Stress-inducible regulation of heat shock factor 1 by the deacetylase SIRT1. <b>2009</b> , 323, 1063-6	547
928	Assessment of cellular and functional biomarkers in bivalves exposed to ecologically relevant abiotic stressors. <b>2009</b> , 21, 104-16	12
927	Modeling heat shock protein expression produced by a heat wrap. <b>2009</b> , 131, 074510	3
926	A novel combination of mild electrical stimulation and hyperthermia: general concepts and applications. <b>2009</b> , 25, 655-60	13
925	Aging augments mitochondrial susceptibility to heat stress. <b>2009</b> , 296, R812-20	28
924	Prolonged exercise training induces long-term enhancement of HSP70 expression in rat plantaris muscle. <b>2009</b> , 296, R1557-63	26
923	Fundamentals of Cryobiology. <b>2009</b> ,	16
922	Stress: Definition and History. <b>2009</b> , 549-555	29
921	Stress response genes are suppressed in mouse preimplantation embryos by granulocyte-macrophage colony-stimulating factor (GM-CSF). <b>2009</b> , 24, 2997-3009	48
920	Acquisition of thermotolerance in bay scallops, <i>Argopecten irradians irradians</i> , via differential induction of heat shock proteins. <b>2009</b> , 371, 77-83	17
919	Lipocalin 2 regulation by thermal stresses: protective role of Lcn2/NGAL against cold and heat stresses. <b>2009</b> , 315, 3140-51	49
918	Heat shock but not cold shock leads to disturbed intracellular zinc homeostasis. <b>2010</b> , 223, 103-9	4
917	Purification of the 90 kDa heat shock protein (hsp90) and simultaneous purification of hsp70/hsc70, hsp90 and hsp96 from mammalian tissues and cells using thiophilic interaction chromatography. <b>2009</b> , 23, 1208-16	11
916	Effect of delta-sleep-inducing peptide on expression of heat shock protein 70 kDa in K562 cells. <b>2009</b> , 147, 39-41	
915	A 70-kDa molecular chaperone, DnaK, from the industrial bacterium <i>Bacillus licheniformis</i> : gene cloning, purification and molecular characterization of the recombinant protein. <b>2009</b> , 49, 151-60	5
914	Caloric stress alters fat characteristics and Hsp70 expression in milk somatic cells of lactating beef cows. <b>2009</b> , 14, 173-82	13
913	Transcriptional expression levels of cell stress marker genes in the Pacific oyster <i>Crassostrea gigas</i> exposed to acute thermal stress. <b>2009</b> , 14, 371-80	73
912	Increased light intensity induces heat shock protein Hsp60 in coral species. <b>2009</b> , 14, 469-76	24

911	Cognate Hsp70 gene is induced during deep larval diapause in the moth <i>Sesamia nonagrioides</i> . <b>2009</b> , 18, 253-64	38
910	Molecular characterization and expression of three heat shock protein70 genes from the carmine spider mite, <i>Tetranychus cinnabarinus</i> (Boisduval). <b>2009</b> , 18, 183-94	14
909	Genotoxic hazard and cellular stress in pediatric patients treated for psoriasis with the Goeckerman regimen. <b>2009</b> , 26, 23-7	15
908	Expression of heat shock proteins after ultrasound exposure in HL-60 cells. <b>2009</b> , 35, 1032-41	15
907	Wheat quality related differential expressions of albumins and globulins revealed by two-dimensional difference gel electrophoresis (2-D DIGE). <b>2009</b> , 73, 279-96	74
906	Heat shock proteins as an aid in the treatment and diagnosis of heat stroke. <b>2009</b> , 34, 1-7	10
905	Heat shock protein (Hsp) gene responses of the intertidal copepod <i>Tigriopus japonicus</i> to environmental toxicants. <b>2009</b> , 149, 104-12	77
904	In situ intracellular spectroscopy with surface enhanced Raman spectroscopy (SERS)-enabled nanopipettes. <b>2009</b> , 3, 3529-36	129
903	From protein-protein interaction to therapy response: molecular imaging of heat shock proteins. <b>2009</b> , 70, 294-304	6
902	Geranylgeranylacetone protects rat and striatum neurons against heat injury via induction of Hsp70. <b>2009</b> , 28, 248-53	
901	Effects of elevated temperature and cadmium exposure on stress protein response in eastern oysters <i>Crassostrea virginica</i> (Gmelin). <b>2009</b> , 91, 245-54	115
900	The exercise-induced stress response of skeletal muscle, with specific emphasis on humans. <b>2009</b> , 39, 643-62	172
899	Induced apoptosis by mild hyperthermia occurs via telomerase inhibition on the three human myeloid leukemia cell lines: TF-1, K562, and HL-60. <b>2009</b> , 50, 1519-27	3
898	Expression of intracellular cytokines, HSP72, and apoptosis in monocyte subsets during exertional heat stress in trained and untrained individuals. <b>2009</b> , 296, R575-86	42
897	Comparison of Hsps expression after radio-frequency field exposure in three human glioma cell lines. <b>2009</b> , 22, 374-80	6
896	Heat shock protein induction in fetal mouse brain as a measure of stress after whole of gestation exposure to mobile telephony radiofrequency fields. <b>2009</b> , 41, 276-9	12
895	Molecular signals that shape the integrative responses of the heat-acclimated phenotype. <b>2010</b> , 42, 2164-72	19
894	Immunolocalization of heat shock proteins 27 and 47 during repair of induced oral ulcers. <b>2010</b> , 52, 623-31	6

893	Expressions of heat shock and metallothionein genes in the heart of common carp ( <i>Cyprinus carpio</i> ): effects of temperature shock and heavy metal exposure. <b>2010</b> , 61, 10-23	19
892	Difference in thermotolerance between green and red color variants of the Japanese sea cucumber, <i>Apostichopus japonicus</i> Selenka: Hsp70 and heat-hardening effect. <b>2010</b> , 218, 87-94	41
891	Silkworm thermal biology: a review of heat shock response, heat shock proteins and heat acclimation in the domesticated silkworm, <i>Bombyx mori</i> . <b>2010</b> , 10, 204	31
890	Co-chaperones are limiting in a depleted chaperone network. <b>2010</b> , 67, 4035-48	25
889	Histamine modulates the cellular stress response in yeast. <b>2010</b> , 38, 1219-26	7
888	In vitro heat shock of human monocytes results in a proportional increase of inducible Hsp70 expression according to the basal content. <b>2010</b> , 38, 1423-8	19
887	Daily quadratic trend in basal monocyte expressed HSP72 in healthy human subjects. <b>2010</b> , 38, 1483-8	18
886	The mechanism whereby heat shock induces apoptosis depends on the innate sensitivity of cells to stress. <b>2010</b> , 15, 101-13	19
885	Transcription of the <i>Neurospora crassa</i> 70-kDa class heat shock protein genes is modulated in response to extracellular pH changes. <b>2010</b> , 15, 225-31	13
884	First cellular approach of the effects of global warming on groundwater organisms: a study of the HSP70 gene expression. <b>2010</b> , 15, 259-70	27
883	Simulated diving after heat stress potentiates the induction of heat shock protein 70 and elevates glutathione in human endothelial cells. <b>2010</b> , 15, 405-14	9
882	A microarray analysis of the effects of moderate hypothermia and rewarming on gene expression by human hepatocytes (HepG2). <b>2010</b> , 15, 687-702	15
881	The Hsp72 response in peri-parturient dairy cows: relationships with metabolic and immunological parameters. <b>2010</b> , 15, 781-90	13
880	Heat and exercise acclimation increases intracellular levels of Hsp72 and inhibits exercise-induced increase in intracellular and plasma Hsp72 in humans. <b>2010</b> , 15, 885-95	47
879	Molecular Cloning and Analysis of a Cytosolic Hsp70 Gene from <i>Enteromorpha prolifera</i> (Ulvophyceae, Chlorophyta). <b>2010</b> , 28, 430-437	16
878	Anaerobic metabolic patterns related to stress responses in hypoxia exposed mussels <i>Mytilus galloprovincialis</i> . <b>2010</b> , 394, 123-133	39
877	Plasma levels of heat shock protein 72 (HSP72) and beta-endorphin as indicators of stress, pain and prognosis in horses with colic. <b>2010</b> , 184, 100-4	20
876	Oxidative stress markers in the brain of patients with cirrhosis and hepatic encephalopathy. <b>2010</b> , 52, 256-65	103



875	Regulation of the members of the mammalian heat shock factor family. <b>2010</b> , 277, 4126-39	63
874	The responsive expression of heat shock protein 22 gene in zhikong scallop <i>Chlamys farreri</i> against a bacterial challenge. <b>2010</b> , 41, 257-266	14
873	Maximal heat dissipation capacity and hyperthermia risk: neglected key factors in the ecology of endotherms. <b>2010</b> , 79, 726-46	249
872	2-GHz band CW and W-CDMA modulated radiofrequency fields have no significant effect on cell proliferation and gene expression profile in human cells. <b>2010</b> , 51, 277-84	17
871	Inhaled carbon monoxide prevents acute kidney injury in pigs after cardiopulmonary bypass by inducing a heat shock response. <b>2010</b> , 111, 29-37	26
870	EFFECT OF PREWETTING ON THERMAL INACTIVATION OF SOILBORNE PATHOGENS DURING STRUCTURAL SOLARIZATION OF GREENHOUSES. <b>2010</b> , 267-275	
869	Natural annual cycle of heat shock protein expression in land snails: desert versus Mediterranean species of <i>Sphincterochila</i> . <b>2010</b> , 213, 3487-95	31
868	O-linked beta-N-acetylglucosamine (O-GlcNAc) regulates stress-induced heat shock protein expression in a GSK-3beta-dependent manner. <b>2010</b> , 285, 39096-107	111
867	Changes in membrane fluid state and heat shock response cause attenuation of virulence. <b>2010</b> , 192, 1999-2005	13
866	Heat shock protein: hard worker or bad offender for gastric diseases. <b>2010</b> , 2010, 259163	6
865	Preconditioning methods and mechanisms for preventing the risk of decompression sickness in scuba divers: a review. <b>2010</b> , 18, 205-18	24
864	Long-term treatment with shengmai san-derived herbal supplement (Wei Kang Su) enhances antioxidant response in various tissues of rats with protection against carbon tetrachloride hepatotoxicity. <b>2010</b> , 13, 427-38	14
863	The dual role of calcium as messenger and stressor in cell damage, death, and survival. <b>2010</b> , 2010, 546163	93
862	Knocking down gene function with an RNA aptamer expressed as part of an intron. <b>2010</b> , 38, e154	11
861	WITHDRAWN BY AUTHOR: Heat shock protein 70 interacts with nucleolin and inhibits its cleavage, down-regulation and apoptosis induced by hydrogen peroxide in myocytes. <b>2010</b> ,	1
860	Liposomal doxorubicin increases radiofrequency ablation-induced tumor destruction by increasing cellular oxidative and nitrative stress and accelerating apoptotic pathways. <b>2010</b> , 255, 62-74	67
859	Fluorescence Imaging of Calcium Loading and Mitochondrial Depolarization in Cancer Cells Exposed to Heat Stress. <b>2010</b> , 89-118	1
858	Effect of timing of development on total cell number and expression profile of HSP-70.1 and GLUT-1 in buffalo ( <i>Bubalus bubalis</i> ) oocytes and preimplantation embryos produced in vitro. <b>2010</b> , 34, 463-8	10

857	Transgenic expression of the <i>Trichoderma harzianum</i> hsp70 gene increases <i>Arabidopsis</i> resistance to heat and other abiotic stresses. <b>2010</b> , 167, 659-65	135
856	Molecular cloning and characterization of a heat shock protein 70 gene in swimming crab ( <i>Portunus trituberculatus</i> ). <b>2010</b> , 28, 56-64	65
855	Molecular cloning and expression of two HSP70 genes in the Wuchang bream ( <i>Megalobrama amblycephala</i> Yih). <b>2010</b> , 28, 407-18	112
854	The role of an ingestible telemetric thermometer in preventing exertional heat stroke, for a patient with healed massive burns running the 2007 London marathon. <b>2010</b> , 36, e119-25	1
853	Targeting the 90 kDa heat shock protein improves photodynamic therapy. <b>2010</b> , 289, 188-94	38
852	Expression and distribution of three heat shock protein genes under heat shock stress and under exposure to <i>Vibrio harveyi</i> in <i>Penaeus monodon</i> . <b>2010</b> , 34, 1082-9	73
851	Lack of maternal Heat Shock Factor 1 results in multiple cellular and developmental defects, including mitochondrial damage and altered redox homeostasis, and leads to reduced survival of mammalian oocytes and embryos. <b>2010</b> , 339, 338-53	38
850	Mild thermotolerance induced at 40 degrees C increases antioxidants and protects HeLa cells against mitochondrial apoptosis induced by hydrogen peroxide: Role of p53. <b>2010</b> , 495, 97-111	44
849	<i>Gammarus</i> spp. in aquatic ecotoxicology and water quality assessment: toward integrated multilevel tests. <b>2010</b> , 205, 1-76	73
848	Heat Shock Proteins and Whole Body Physiology. <b>2010</b> ,	3
847	Potential contributions of heat shock proteins to temperature-dependent sex determination in the American alligator. <b>2010</b> , 4, 73-87	60
846	O-GlcNAc signaling in the cardiovascular system. <b>2010</b> , 107, 171-85	125
845	Screening strains of the mulberry silkworm, <i>Bombyx mori</i> , for thermotolerance. <b>2011</b> , 11, 116	10
844	Integrated physiological mechanisms of exercise performance, adaptation, and maladaptation to heat stress. <b>2011</b> , 1, 1883-928	280
843	Induction and decay of short-term heat acclimation in moderately and highly trained athletes. <b>2011</b> , 41, 757-71	122
842	A proteomic approach to study parathyroid glands. <b>2011</b> , 7, 687-99	19
841	Physiological responses of 3 chicken breeds to acute heat stress. <b>2011</b> , 90, 1435-40	90
840	Regulation of HSF1 function in the heat stress response: implications in aging and disease. <b>2011</b> , 80, 1089-115	496

839	Postconditioning of the lungs with inhaled carbon monoxide after cardiopulmonary bypass in pigs. <b>2011</b> , 112, 282-91	9
838	Involvement of the sphingolipid ceramide in heat-shock-induced apoptosis of bovine oocytes. <b>2011</b> , 23, 876-88	34
837	Molecular detection and characterisation of fungal heat shock protein 60. <b>2011</b> , 54, e394-9	30
836	Embryonic development and gene expression in oocytes cultured in vitro in supplemented pre-maturation and maturation media. <b>2011</b> , 46, e31-8	9
835	Pre-exercise alkalosis attenuates the heat shock protein 72 response to a single-bout of anaerobic exercise. <b>2011</b> , 14, 435-40	22
834	p38 $\beta$ -regulated induction of the heat shock response by carbon monoxide releasing molecule CORM-2 mediates cytoprotection in lung cells in vitro. <b>2011</b> , 670, 58-66	16
833	Mild thermotolerance induced at 40°C protects HeLa cells against activation of death receptor-mediated apoptosis by hydrogen peroxide. <b>2011</b> , 50, 667-79	35
832	Activation of ER stress and apoptosis by hydrogen peroxide in HeLa cells: protective role of mild heat preconditioning at 40°C. <b>2011</b> , 1813, 1987-99	40
831	An experimental test of the role of environmental temperature variability on ectotherm molecular, physiological and life-history traits: implications for global warming. <b>2011</b> , 159, 242-6	64
830	Heat shock protein expression in relation to reproductive cycle in land snails: Implications for survival. <b>2011</b> , 160, 149-55	12
829	Molecular characterization of heat shock protein 70 gene transcripts during <i>Vibrio harveyi</i> infection of humphead snapper, <i>Lutjanus sanguineus</i> . <b>2011</b> , 37, 897-910	11
828	The adaptive potential of a plant pathogenic fungus, <i>Rhizoctonia solani</i> AG-3, under heat and fungicide stress. <b>2011</b> , 139, 903-8	13
827	Molecular cloning and expression analysis of a cytosolic Hsp70 gene from <i>Ulva pertusa</i> (Ulvophyceae, Chlorophyta). <b>2011</b> , 23, 681-690	10
826	Combined drought and heat stress in wheat: changes in some heat shock proteins. <b>2011</b> , 55, 105-111	61
825	Effects of whole-body heat acclimation on cell injury and cytokine responses in peripheral blood mononuclear cells. <b>2011</b> , 111, 1609-18	15
824	Daily hypoxia increases basal monocyte HSP72 expression in healthy human subjects. <b>2011</b> , 40, 393-401	31
823	Emerging roles of molecular chaperones in plant innate immunity. <b>2011</b> , 77, 1-9	8
822	Expression of heat shock protein-coding genes associated with anhydrobiosis in an African chironomid <i>Polypedilum vanderplanki</i> . <b>2011</b> , 16, 81-90	46

821	The effect of hyperbaric oxygen preconditioning on heat shock protein 72 expression following in vitro stress in human monocytes. <b>2011</b> , 16, 339-43	9
820	Molecular characterization and expression analysis of heat shock proteins 40, 70 and 90 from kuruma shrimp <i>Marsupenaeus japonicus</i> . <b>2011</b> , 77, 929-937	14
819	Expression of selected heat shock proteins after individually applied and combined drought and heat stress. <b>2011</b> , 33, 2041-2049	32
818	Effects of bone morphogenic protein 4 (BMP4) and its inhibitor, Noggin, on in vitro maturation and culture of bovine preimplantation embryos. <b>2011</b> , 9, 18	27
817	1,25-Dihydroxyvitamin D <sub>3</sub> enhances NK susceptibility of human melanoma cells via Hsp60-mediated FAS expression. <b>2011</b> , 41, 2937-46	18
816	Linking genotypes, phenotypes, and fitness in wild primate populations. <b>2011</b> , 20, 104-19	42
815	Radiosynthesis of [(18)F]fluoromethyldeoxyspergualin for molecular imaging of heat shock proteins. <b>2011</b> , 69, 609-13	3
814	Plant heat-shock proteins: A mini review. <b>2011</b> , 23, 139-150	282
813	Maternal exercise reduces hyperthermia-induced apoptosis in developing mouse brain. <b>2011</b> , 27, 445-52	7
812	Characterization and expression patterns of two 70-kDa heat shock protein genes in the intertidal red alga <i>Porphyra yezoensis</i> . <b>2011</b> , 54,	0
811	Hsp70 expression in <i>Chironomus ramosus</i> exposed to gamma radiation. <b>2011</b> , 87, 213-21	15
810	Neonatal feed restriction modulates circulating levels of corticosterone and expression of glucocorticoid receptor and heat shock protein 70 in aged Japanese quail exposed to acute heat stress. <b>2011</b> , 90, 1427-34	19
809	Molecular cloning and characterization of cDNA encoding a putative stress-induced heat-shock protein from <i>Camelus dromedarius</i> . <b>2011</b> , 12, 4214-36	13
808	Transcriptome and translational signaling following endurance exercise in trained skeletal muscle: impact of dietary protein. <b>2011</b> , 43, 1004-20	46
807	Heat tolerance and recovery in Mediterranean land snails after pre-exposure in the field. <b>2011</b> , 77, 165-174	16
806	Stress-induced facilitation of host response to bacterial challenge in F344 rats is dependent on extracellular heat shock protein 72 and independent of alpha beta T cells. <b>2012</b> , 15, 637-46	15
805	The GATA transcription factor egl-27 delays aging by promoting stress resistance in <i>Caenorhabditis elegans</i> . <b>2012</b> , 8, e1003108	20
804	Hormonal modulation of the heat shock response: insights from fish with divergent cortisol stress responses. <b>2012</b> , 302, R184-92	40

803	Light interference as a possible stressor altering HSP70 and its gene expression levels in brain and hepatic tissues of golden spiny mice. <b>2012</b> , 215, 4034-40	15
802	Body temperature modulates the antioxidant and acute immune responses to exercise. <b>2012</b> , 46, 799-808	34
801	Electromagnetic fields at 2.45 GHz trigger changes in heat shock proteins 90 and 70 without altering apoptotic activity in rat thyroid gland. <b>2012</b> , 1, 831-8	16
800	The role of heat shock protein 70 in resistance to <i>Salmonella enteritidis</i> in broiler chickens subjected to neonatal feed restriction and thermal stress. <b>2012</b> , 91, 340-5	21
799	Antioxidant and anti-inflammatory effects of exercise in diabetic patients. <b>2012</b> , 2012, 941868	85
798	Impact of climate change on coastal versus estuarine nursery areas: cellular and whole-animal indicators in juvenile seabass <i>Dicentrarchus labrax</i> . <b>2012</b> , 464, 237-243	34
797	Remote ischemic preconditioning--a simple, low-risk method to decrease ischemic reperfusion injury: models, protocols and mechanistic background. A review. <b>2012</b> , 178, 797-806	52
796	Effect of triethanolamine and silatranes on thermotolerance and accumulation of stress proteins in pea seedlings. <b>2012</b> , 59, 724-731	2
795	Effect of handling, confinement and crowding in HSP70 production in <i>Pachygrapsus marmoratus</i> , a model species for climate change experiments. <b>2012</b> , 72, 64-68	9
794	Opposing actions of heat shock protein 90 and 70 regulate nicotinamide adenine dinucleotide phosphate oxidase stability and reactive oxygen species production. <b>2012</b> , 32, 2989-99	63
793	Molecular characteristics of HSC70 gene and its expression in the golden apple snails, <i>Pomacea canaliculata</i> (Mollusca: Gastropoda). <b>2012</b> , 358-359, 41-49	14
792	Effects of different adrenergic blockades on the stress resistance of Wistar rats. <b>2012</b> , 511, 95-100	12
791	Organ-specific proteomic analysis of drought-stressed soybean seedlings. <b>2012</b> , 75, 1906-23	102
790	Extremely low frequency magnetic field induced changes in motor behaviour of gerbils submitted to global cerebral ischemia. <b>2012</b> , 228, 241-6	17
789	Small heat-shock protein Hsp9 has dual functions in stress adaptation and stress-induced G2-M checkpoint regulation via Cdc25 inactivation in <i>Schizosaccharomyces pombe</i> . <b>2012</b> , 417, 613-8	10
788	Effects of emodin and vitamin C on growth performance, biochemical parameters and two HSP70s mRNA expression of Wuchang bream ( <i>Megalobrama amblycephala</i> Yih) under high temperature stress. <b>2012</b> , 32, 651-61	118
787	Cloning of a heat shock protein 90 (HSP90) gene and expression analysis in the ridgetail white prawn <i>Exopalaemon carinicauda</i> . <b>2012</b> , 32, 1191-7	39
786	Long non-coding RNAs coordinate cellular responses to stress. <b>2012</b> , 3, 779-96	66

785	Identification of potential biomarkers of gold nanoparticle toxicity in rat brains. <b>2012</b> , 9, 123	82
784	Randomized trial of the effect of intravenous paracetamol on inflammatory biomarkers and outcome in febrile critically ill adults. <b>2012</b> , 20, 12	16
783	Epigenetic modification: possible approach to reduce <i>Salmonella enterica</i> serovar enteritidis susceptibility under stress conditions. <b>2012</b> , 41, 351-4	3
782	The interaction of HspA1A with TLR2 and TLR4 in the response of neutrophils induced by ovarian cancer cells in vitro. <b>2012</b> , 17, 661-74	18
781	The heat shock response in congeneric land snails ( <i>Sphincterochila</i> ) from different habitats. <b>2012</b> , 17, 639-45	11
780	Heat shock proteins and survival strategies in congeneric land snails ( <i>Sphincterochila</i> ) from different habitats. <b>2012</b> , 17, 523-7	18
779	Thermal tolerance of the crab <i>Pachygrapsus marmoratus</i> : intraspecific differences at a physiological (CTMax) and molecular level (Hsp70). <b>2012</b> , 17, 707-16	32
778	The effect of the hyperbaric environment on heat shock protein 72 expression in vivo. <b>2012</b> , 20, 142-53	9
777	Comparative proteome analysis of drought-sensitive and drought-tolerant rapeseed roots and their hybrid F1 line under drought stress. <b>2012</b> , 43, 2137-52	73
776	Regulation of Acclimation to Environmental Stress. <b>2012</b> , 49-63	5
775	Prospects for Improving Fertility during Heat Stress by Increasing Embryonic Resistance to Elevated Temperature. <b>2012</b> , 199-208	1
774	Radiation-induced stress proteins - the role of heat shock proteins (HSP) in anti-tumor responses. <b>2012</b> , 19, 1765-70	42
773	Environmental Stress and Amelioration in Livestock Production. <b>2012</b> ,	14
772	Roles of DNA repair and membrane integrity in heat resistance of <i>Deinococcus radiodurans</i> . <b>2012</b> , 194, 959-66	9
771	Chronic stress decreases availability of heat shock proteins to glucocorticoid receptor in response to novel acute stress in Wistar rat hypothalamus. <b>2012</b> , 32, 625-32	4
770	Influence of acclimation temperature on the induction of heat-shock protein 70 in the catfish <i>Horabagrus brachysoma</i> (Güther). <b>2012</b> , 38, 919-927	19
769	Protein deprivation attenuates Hsp expression in fat tissue. <b>2012</b> , 17, 339-47	4
768	Differential effects on nitric oxide synthase, heat shock proteins and glutathione in human endothelial cells exposed to heat stress and simulated diving. <b>2012</b> , 112, 2717-25	10

767	The relationship between adrenocortical function and Hsp70 expression in socially isolated Japanese quail. <b>2012</b> , 161, 140-4	17
766	High temperature interrupts initial egg diapause in Paratlanticus ussuriensis and induces expression of a heat shock protein 70 gene. <b>2012</b> , 15, 5-11	4
765	Novel inhibitors of heat shock protein Hsp70-mediated luciferase refolding that bind to DnaJ. <b>2012</b> , 20, 3609-14	23
764	Detection of heat shock proteins 70 in the gill, liver, and cardiac muscle of Carassius auratus with confocal microscopy. <b>2012</b> , 75, 531-6	2
763	Regulation of survival gene hsp70. <b>2012</b> , 17, 1-9	101
762	Heat shock protein 70 inhibits hydrogen peroxide-induced nucleolar fragmentation via suppressing cleavage and down-regulation of nucleolin. <b>2012</b> , 17, 121-30	19
761	Polymorphisms in the bovine HSP90AB1 gene are associated with heat tolerance in Thai indigenous cattle. <b>2012</b> , 44, 921-8	51
760	Association between promoter polymorphisms in a key cytoskeletal gene (Ankyrin 1) and intramuscular fat and water-holding capacity in porcine muscle. <b>2012</b> , 39, 3903-14	10
759	Venous gas embolism as a predictive tool for improving CNS decompression safety. <b>2012</b> , 112, 401-9	11
758	N-acetylcysteine reduces inflammation in the small intestine by regulating redox, EGF and TLR4 signaling. <b>2013</b> , 45, 513-22	81
757	Enantioselective effect of bifenthrin on antioxidant enzyme gene expression and stress protein response in PC12 cells. <b>2013</b> , 33, 586-92	17
756	The transcription factor FOXM1 (Forkhead box M1): proliferation-specific expression, transcription factor function, target genes, mouse models, and normal biological roles. <b>2013</b> , 118, 97-398	103
755	Microcolonial fungi on rocks: a life in constant drought?. <b>2013</b> , 175, 537-47	48
754	Luteal serum BDNF and HSP70 levels in women with premenstrual dysphoric disorder. <b>2013</b> , 263, 685-93	8
753	Molecular cloning and expression of a heat-shock cognate 70 (hsc70) gene from swordtail fish (Xiphophorus helleri). <b>2013</b> , 31, 821-829	1
752	Influence of temperature in thermal and oxidative stress responses in estuarine fish. <b>2013</b> , 166, 237-43	179
751	Isolation, structural elucidation, and biological evaluation of a 5-hydroxymethyl-2-furfural derivative, asfural, from enzyme-treated asparagus extract. <b>2013</b> , 61, 9155-9	22
750	Temperature-induced changes of malondialdehyde, heat-shock proteins in relation to chlorophyll fluorescence and photosynthesis in Conocarpus lancifolius (Engl.). <b>2013</b> , 35, 1223-1231	7

749	Identification and expression analysis of differentially expressed genes from shrimp ( <i>Penaeus monodon</i> ) in response to low salinity stress. <b>2013</b> , 35, 1957-68	59
748	Effect of melatonin administration on thyroid hormones, cortisol and expression profile of heat shock proteins in goats ( <i>Capra hircus</i> ) exposed to heat stress. <b>2013</b> , 112, 216-223	46
747	Heat stress: a risk factor for skin carcinogenesis. <b>2013</b> , 337, 35-40	32
746	Light Pollution as a New Risk Factor for Human Breast and Prostate Cancers. <b>2013</b> ,	54
745	Crotonaldehyde induces heat shock protein 72 expression that mediates anti-apoptotic effects in human endothelial cells. <b>2013</b> , 223, 116-23	13
744	Changes in concentrations of circulating heat-shock proteins in House Finches in response to different environmental stressors. <b>2013</b> , 84, 416-424	8
743	Feeding truncated heat shock protein 70s protect <i>Artemia franciscana</i> against virulent <i>Vibrio campbellii</i> challenge. <b>2013</b> , 34, 183-91	20
742	Involvement of the 90 kDa heat shock protein during adaptation of <i>Paracoccidioides brasiliensis</i> to different environmental conditions. <b>2013</b> , 51, 34-41	29
741	La ketamina mejora la supervivencia en lesi3n por quemadura severa en ratas, a trav3s de la expresi3n de la prote3na de choque70. <b>2013</b> , 41, 82-87	2
740	Thermal manipulation during chicken embryogenesis results in enhanced Hsp70 gene expression and the acquisition of thermotolerance. <b>2013</b> , 95, 502-7	43
739	Cooling the fire of atherosclerosis with heat shock protein 27. <b>2013</b> , 62, 1455-6	2
738	Ketamine improves survival in severe burn injury in rats via the expression of heat shock protein 70. <b>2013</b> , 41, 82-87	1
737	Temperature measurement and Hsp47 immunoeexpression in oral ulcers irradiated with defocused high-energy diode laser. <b>2013</b> , 118, 42-8	3
736	Correlation between heat shock protein 32 and chronic heat-induced liver injury in developing mice. <b>2013</b> , 38, 513-519	5
735	Potential mechanisms for a role of metabolic stress in hypertrophic adaptations to resistance training. <b>2013</b> , 43, 179-94	243
734	Mechanisms of heat shock response in mammals. <b>2013</b> , 70, 4229-41	86
733	The antioxidative effect of heat-shock protein 70 in dendritic cells. <b>2013</b> , 78, 238-47	2
732	Genes and growth performance in crustacean species: a review of relevant genomic studies in crustaceans and other taxa. <b>2013</b> , 5, 77-110	51



731	Summer heat stress affects prostaglandin synthesis in the bovine oviduct. <b>2013</b> , 146, 103-10	32
730	Expression of Hsp70 in the mud crab, <i>Scylla paramamosain</i> in response to bacterial, osmotic, and thermal stress. <b>2013</b> , 18, 475-82	25
729	Invited review: heat stress effects during late gestation on dry cows and their calves. <b>2013</b> , 96, 4079-93	152
728	The Functions of HSP70 in Normal Cells. <b>2013</b> , 15-29	3
727	HSP70 in Aging. <b>2013</b> , 99-111	
726	Thermal stimulation of TRPV1 up-regulates TNF $\alpha$ expression in human periodontal ligament cells. <b>2013</b> , 58, 887-95	5
725	Overexpression of Heat Shock Transcription Factor 1 enhances the resistance of melanoma cells to doxorubicin and paclitaxel. <b>2013</b> , 13, 504	26
724	Intramuscular heating through fluidotherapy and heat shock protein response. <b>2013</b> , 48, 353-61	4
723	Pathophysiology and pathological findings of heatstroke in dogs. <b>2013</b> , 4, 1-9	4
722	Attenuated thermoregulatory, metabolic, and liver acute phase protein response to heat stroke in TNF receptor knockout mice. <b>2013</b> , 305, R1421-32	21
721	Hyperthermia versus Oncothermia: Cellular Effects in Complementary Cancer Therapy. <b>2013</b> , 2013, 672873	96
720	βMangostin from <i>Cratoxylum arborescens</i> (Vahl) Blume Demonstrates Anti-Ulcerogenic Property: A Mechanistic Study. <b>2013</b> , 2013, 450840	15
719	Heat shock transcription factor 1 is activated as a consequence of lymphocyte activation and regulates a major proteostasis network in T cells critical for cell division during stress. <b>2013</b> , 191, 4068-79	12
718	Changes in heat shock protein 70, blood parameters, and fear-related behavior in broiler chickens as affected by pleasant and unpleasant human contact. <b>2013</b> , 92, 33-40	18
717	Treadmill exercise preconditioning attenuates lung damage caused by systemic endotoxemia in type 1 diabetic rats. <b>2013</b> , 2013, 527090	10
716	Stress Proteins and Heat Shock Proteins. <b>2013</b> , 229-235	2
715	Possible involvement of HSP90-HSF1 multichaperone complex in impairment of HSP72 induction in the failing heart following myocardial infarction in rats. <b>2013</b> , 123, 336-46	12
714	Exercise and blood flow restriction. <b>2013</b> , 27, 2914-26	99

713	Possible involvement of phosphorylated heat-shock factor-1 in changes in heat shock protein 72 induction in the failing rat heart following myocardial infarction. <b>2013</b> , 36, 1332-40	10
712	Promoter methylation negatively correlated with mRNA expression but not tissue differential expression after heat stress. <b>2013</b> , 12, 809-19	16
711	Hyperthermia: Cancer Treatment and Beyond. <b>2013</b> ,	26
710	Development of genomic resources for a thraustochytrid pathogen and investigation of temperature influences on gene expression. <b>2013</b> , 8, e74196	17
709	Hyperthermia versus Oncothermia: Cellular Effects in Cancer Therapy. <b>2013</b> , 2013, 1-4	1
708	Bibliography. <b>2013</b> , 323-358	
707	Ketamine improves survival in severe burn injury in rats via the expression of heat shock protein 70?. <b>2013</b> , 41, 82-87	
706	Effect of extreme temperatures on powdery mildew development and Hsp70 induction in tomato and wild Solanum spp.&nbsp;. <b>2013</b> , 49, S41-S54	11
705	Molecular Cloning and Expression Analysis of Heat Shock Protein 90 (Hsp90) of the Mud Crab, Scylla Paramamosain. <b>2013</b> , 5,	0
704	Thermoregulation and exercise-associated heat illnesses. <b>2014</b> , 901-918	2
703	Pleiotropic role of HSF1 in neoplastic transformation. <b>2014</b> , 14, 144-55	35
702	Effects of heat acclimation on changes in oxidative stress and inflammation caused by endurance capacity test in the heat. <b>2014</b> , 2014, 107137	14
701	Heat shock protein 72 expressing stress in sepsis: unbridgeable gap between animal and human studies--a hypothetical "comparative" study. <b>2014</b> , 2014, 101023	15
700	A high content assay to assess cellular fitness. <b>2014</b> , 17, 12-24	10
699	The metabolic basis of pollen thermo-tolerance: perspectives for breeding. <b>2014</b> , 4, 889-920	47
698	Mechanisms of Cell Regeneration [From Differentiation to Maintenance of Cell Phenotype. <b>2014</b> ,	4
697	Heat shock protein Hsp70: structure and action in response to cellular stress. <b>2014</b> , 7,	
696	Neuronal death and rescue: neurotrophic factors and anti-apoptotic mechanisms. 255-273	

695	Curcumin augments the efficacy of antitumor drugs used in leukemia by modulation of heat shock proteins via HDAC6. <b>2014</b> , 33, 247-63		26
694	Heat acclimation and cross tolerance to hypoxia: Bridging the gap between cellular and systemic responses. <b>2014</b> , 1, 107-14		43
693	Patterns of gene expression associated with recovery and injury in heat-stressed rats. <b>2014</b> , 15, 1058		23
692	The impact of submaximal exercise during heat and/or hypoxia on the cardiovascular and monocyte HSP72 responses to subsequent (post 24 h) exercise in hypoxia. <b>2014</b> , 3, 15		16
691	Antioxidant defence and stress protein induction following heat stress in the Mediterranean snail <i>Xeropicta derbentina</i> . <b>2014</b> , 217, 4399-405		9
690	Alterations in the Atlantic cod ( <i>Gadus morhua</i> ) hepatic thiol-proteome after methylmercury exposure. <b>2014</b> , 77, 650-62		13
689	Traumatic brain injury and neuro-endocrine disruption: medical and psychosocial rehabilitation. <b>2014</b> , 34, 625-36		12
688	The involvement of J-protein AtDjC17 in root development in <i>Arabidopsis</i> . <b>2014</b> , 5, 532		7
687	Natural thermal adaptation increases heat shock protein levels and decreases oxidative stress. <b>2014</b> , 3, 25-8		57
686	Proteomic analysis of <i>Daphnia magna</i> hints at molecular pathways involved in defensive plastic responses. <b>2014</b> , 15, 306		25
685	Protective effects of ectoine on heat-stressed <i>Daphnia magna</i> . <b>2014</b> , 184, 961-76		17
684	Two years of combined high-intensity physical training and heat acclimatization affect lymphocyte and serum HSP70 in purebred military working dogs. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 112-8	3-7	19
683	Enantiomer-specific profenofos-induced cytotoxicity and DNA damage mediated by oxidative stress in rat adrenal pheochromocytoma (PC12) cells. <b>2014</b> , 34, 166-75		15
682	Molecular cloning, characterization and expression analysis of HSP60, HSP70 and HSP90 in the golden apple snail, <i>Pomacea canaliculata</i> . <b>2014</b> , 41, 643-53		34
681	Thermally induced apoptosis, necrosis, and heat shock protein expression in 3D culture. <b>2014</b> , 136,		43
680	Characterization of cardiac dysfunction in sepsis: an ongoing challenge. <b>2014</b> , 41, 12-24		88
679	Dietary N-acetylcysteine supplementation alleviates liver injury in lipopolysaccharide-challenged piglets. <b>2014</b> , 111, 46-54		41
678	Localization of heat shock protein HSPA6 (HSP70B') to sites of transcription in cultured differentiated human neuronal cells following thermal stress. <b>2014</b> , 131, 743-54		21

677	The Effects of light intensity on growth and survival of cuttlefish ( <i>sepia officinalis</i> ) hatchlings and Juveniles. <b>2014</b> , 45, 2032-2040	9
676	Glutamine suppresses Hsp72 not Hsp90 and is not inducing Th1, Th2, or Th17 cytokine responses in human septic PBMCs. <b>2014</b> , 30, 1185-94	27
675	Ecophysiology of native and alien-invasive clams in an ocean warming context. <b>2014</b> , 175, 28-37	21
674	Thermal sensation and cell adaptability. <b>2014</b> , 58, 325-35	5
673	Stress-induced cellular adaptive strategies: ancient evolutionarily conserved programs as new anticancer therapeutic targets. <b>2014</b> , 36, 552-60	8
672	A glossary for biometeorology. <b>2014</b> , 58, 277-308	72
671	Molecular Cloning and Characterization of the Gene Encoding Heat Shock Protein 70 from the Chicken ( <i>Gallus gallus</i> ). <b>2014</b> , 84, 573-578	
670	<i>Bifidobacterium bifidum</i> PRL2010 modulates the host innate immune response. <b>2014</b> , 80, 730-40	51
669	Peripheral blood leukocytes transcriptomic signature highlights the altered metabolic pathways by heat stress in zebu cattle. <b>2014</b> , 96, 102-10	13
668	Time course-dependent changes in the transcriptome of human skeletal muscle during recovery from endurance exercise: from inflammation to adaptive remodeling. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 274-87	3-7 45
667	AICAR-induced activation of AMPK negatively regulates myotube hypertrophy through the HSP72-mediated pathway in C2C12 skeletal muscle cells. <b>2014</b> , 306, E344-54	29
666	Anti-stress properties and two HSP70s mRNA expressions of blunt snout bream ( <i>Megalobrama amblycephala</i> ) fed with all-plant-based diet. <b>2014</b> , 40, 817-25	11
665	Thermal stress and predation risk trigger distinct transcriptomic responses in the intertidal snail <i>Nucella lapillus</i> . <b>2014</b> , 23, 6104-13	16
664	Dual-reporter in vivo imaging of transient and inducible heat-shock promoter activation. <b>2014</b> , 5, 457-67	8
663	Effects of temperature-humidity index and chromium supplementation on antioxidant capacity, heat shock protein 72, and cytokine responses of lactating cows. <b>2014</b> , 92, 3026-34	36
662	Growth hormone transgenesis and polyploidy increase metabolic rate, alter the cardiorespiratory response and influence HSP expression in response to acute hypoxia in Atlantic salmon ( <i>Salmo salar</i> ) yolk-sac alevins. <b>2014</b> , 217, 2268-76	7
661	The susceptibility of corals to thermal stress by analyzing Hsp60 expression. <b>2014</b> , 99, 69-75	23
660	Brain proteomics identifies potential simvastatin targets in acute phase of stroke in a rat embolic model. <b>2014</b> , 130, 301-12	19

659	Excessive occupational heat exposure: a significant ergonomic challenge and health risk for current and future workers. <b>2014</b> , 3, 14	102
658	Ecotoxicity of triphenyltin on the marine copepod <i>Tigriopus japonicus</i> at various biological organisations: from molecular to population-level effects. <b>2014</b> , 23, 1314-25	24
657	Impact of short-term heat stress on physiological responses and expression profile of HSPs in Barbari goats. <b>2014</b> , 58, 2085-93	47
656	Plasma and lymphocyte Hsp72 responses to exercise in athletes with prior exertional heat illness. <b>2014</b> , 46, 1491-9	13
655	Short-term effects of thermal stress on the responses of branchial protein quality control and osmoregulation in a reef-associated fish, <i>Chromis viridis</i> . <b>2014</b> , 53,	15
654	Proteomic analysis of adipose tissue: informing diabetes research. <b>2014</b> , 11, 491-502	9
653	Cortisol effect on heat shock proteins in the C2C12 and 3T3-L1 cells. <b>2014</b> , 50, 581-6	6
652	Seasonal variation in expression pattern of genes under HSP70 : Seasonal variation in expression pattern of genes under HSP70 family in heat- and cold-adapted goats ( <i>Capra hircus</i> ). <b>2014</b> , 19, 401-8	60
651	Identification of a novel cognate cytosolic Hsp70 gene (MnHsc70-2) from oriental river prawn <i>Macrobrachium nipponense</i> and comparison of its expressions with the first cognate Hsc70 (MnHsc70-1) under different stresses. <b>2014</b> , 19, 949-61	8
650	The mRNA Expression Profiles of Five Heat Shock Protein Genes from <i>Frankliniella occidentalis</i> at Different Stages and Their Responses to Temperatures and Insecticides. <b>2014</b> , 13, 2196-2210	26
649	Different levels of response to heat stress in dairy goats. <b>2014</b> , 121, 73-79	89
648	Effect of heat stress on the expression profile of Hsp90 among Sahiwal ( <i>Bos indicus</i> ) and Frieswal ( <i>Bos indicus</i> [ <i>Bos taurus</i> ]) breed of cattle: a comparative study. <b>2014</b> , 536, 435-40	73
647	Synergy of environmental variables alters the thermal window and heat shock response: an experimental test with the crab <i>Pachygrapsus marmoratus</i> . <b>2014</b> , 98, 21-8	22
646	Molecular cloning, characterization, and expression analysis of a heat shock protein (HSP) 70 gene from <i>Paphia undulata</i> . <b>2014</b> , 543, 275-85	14
645	A positive feedback loop between HEAT SHOCK PROTEIN101 and HEAT STRESS-ASSOCIATED 32-KD PROTEIN modulates long-term acquired thermotolerance illustrating diverse heat stress responses in rice varieties. <b>2014</b> , 164, 2045-53	86
644	Role of thermal niche in the cellular response to thermal stress: Lipid peroxidation and HSP70 expression in coastal crabs. <b>2014</b> , 36, 601-606	31
643	Proteomics Identification of Differentially Expressed Leaf Proteins in Response to <i>Setosphaeria turcica</i> Infection in Resistant Maize. <b>2014</b> , 13, 789-803	7
642	Histopathological alterations, physiological limits, and molecular changes of juvenile <i>Sparus aurata</i> in response to thermal stress. <b>2014</b> , 505, 253-266	39

641	Effects of supplemental zinc amino acid complex on gut integrity in heat-stressed growing pigs. <b>2014</b> , 8, 43-50		57
640	Cerebrospinal fluid levels of extracellular heat shock protein 72: A potential biomarker for bacterial meningitis in children. <b>2014</b> , 3, 23-28		0
639	The influence of simulated microgravity on the proteome of. <b>2015</b> , 1, 15016		10
638	Roles of heat shock factor 1 in isoproterenol-induced myocardial fibrosis in mice. <b>2015</b> , 12, 5872-8		2
637	Modifiers of impacts on marine ecosystems: disturbance regimes, multiple stressors and receiving environments. 73-110		7
636	In utero heat stress increases postnatal core body temperature in pigs. <b>2015</b> , 93, 4312-22		23
635	Exercise activates compensatory thermoregulatory reaction in rats: a modeling study. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 1400-10	3-7	9
634	Transcriptome responses to heat- and cold-stress in ladybirds ( <i>Cryptolaemus montrouzieri</i> Mulsant) analyzed by deep-sequencing. <b>2015</b> , 48, 66		27
633	Neuroprotective effects of Argon are mediated via an ERK-1/2 dependent regulation of heme-oxygenase-1 in retinal ganglion cells. <b>2015</b> , 134, 717-27		29
632	Immune microenvironment as a factor of breast cancer progression. <b>2015</b> , 10, 79		19
631	LASER RESENSITIZATION OF MEDICALLY UNRESPONSIVE NEOVASCULAR AGE-RELATED MACULAR DEGENERATION: Efficacy and Implications. <b>2015</b> , 35, 1184-94		29
630	Intra- and trans-generational effects of larval diet on susceptibility to an entomopathogenic fungus, <i>Beauveria bassiana</i> , in the greater wax moth, <i>Galleria mellonella</i> . <b>2015</b> , 28, 1453-64		18
629	Analysis of genetic diversity of the heat shock protein 70 gene on the basis of abundant sequence polymorphisms in chicken breeds. <b>2015</b> , 14, 1538-45		4
628	Dual functions in response to heat stress and spermatogenesis: characterization of expression profile of small heat shock proteins 9 and 10 in goat testis. <b>2015</b> , 2015, 686239		11
627	Limitations to Thermoregulation and Acclimatization Challenge Human Adaptation to Global Warming. <b>2015</b> , 12, 8034-74		109
626	Proteomics-driven analysis of ovine whey colostrum. <b>2015</b> , 10, e0117433		16
625	Enhancement of Apoptosis by Titanium Alloy Internal Fixations during Microwave Treatments for Fractures: An Animal Study. <b>2015</b> , 10, e0132046		3
624	Oxidative Stress and Digestive Enzyme Activity of Flatfish Larvae in a Changing Ocean. <b>2015</b> , 10, e0134082		63

623	Beneficial roles of dietary oleum cinnamomi in alleviating intestinal injury. <b>2015</b> , 20, 814-28	14
622	Molecular cloning and expression analysis of a pearl oyster ( <i>Pinctada martensii</i> ) heat shock protein 90 (HSP90). <b>2015</b> , 14, 18778-91	11
621	Effect of <i>Oenothera odorata</i> Root Extract on Microgravity and Disuse-Induced Muscle Atrophy. <b>2015</b> , 2015, 130513	7
620	Glutamine may repress the weak LPS and enhance the strong heat shock induction of monocyte and lymphocyte HSP72 proteins but may not modulate the HSP72 mRNA in patients with sepsis or trauma. <b>2015</b> , 2015, 806042	15
619	Role of Heat-Shock Proteins in Cellular Function and in the Biology of Fungi. <b>2015</b> , 2015, 132635	110
618	Physiological effects of heat stress on Hawaiian picture-wing <i>Drosophila</i> : genome-wide expression patterns and stress-related traits. <b>2015</b> , 3, cou062	5
617	EMF radiation at 2450 MHz triggers changes in the morphology and expression of heat shock proteins and glucocorticoid receptors in rat thymus. <b>2015</b> , 127, 1-11	15
616	The Effects of Organophosphates in the Early Stages of Human Muscle Regeneration. <b>2015</b> , 751-759	
615	Galacto-oligosaccharides exert a protective effect against heat stress in a Caco-2 cell model. <b>2015</b> , 16, 265-277	31
614	Epidermal growth factor enhances the developmental competence of yak ( <i>Bos grunniens</i> ) preimplantation embryos by modulating the expression of survivin and HSP70. <b>2015</b> , 182, 118-124	5
613	Insights into the role of heat shock protein 72 to whole-body heat acclimation in humans. <b>2015</b> , 2, 499-505	26
612	Comparative proteomic analysis of cauliflower under high temperature and flooding stresses. <b>2015</b> , 183, 118-129	5
611	Oxidant stress evoked damage in rat hepatocyte leading to triggered nitric oxide synthase (NOS) levels on long term consumption of aspartame. <b>2015</b> , 23, 679-691	15
610	Hsp70 and lipid peroxide levels following heat stress in <i>Xeropicta derbentina</i> (Krynicky 1836) (Gastropoda, Pulmonata) with regard to different colour morphs. <b>2015</b> , 20, 159-68	14
609	Chromium-histidinate ameliorates productivity in heat-stressed Japanese quails through reducing oxidative stress and inhibiting heat-shock protein expression. <b>2015</b> , 56, 247-54	13
608	Insulin influences developmental competence of bovine oocytes cultured in MEM plus follicle-simulating hormone. <b>2015</b> , 23, 563-72	5
607	Bone Morphogenetic Proteins in Preimplantation Embryos. <b>2015</b> , 99, 223-48	2
606	Expression Profile of Two HSP70 Chaperone Proteins in Response to Extreme Thermal Acclimation in <i>Xestia c-nigrum</i> (Lepidoptera: Noctuidae). <b>2015</b> , 98, 506-515	4

605	The Arabian camel <i>Camelus dromedarius</i> heat shock protein 90 cDNA cloning, characterization and expression. <b>2015</b> , 81, 195-204	6
604	Role of TRP channels in the induction of heat shock proteins (Hsps) by heating skin. <b>2015</b> , 11, 25-32	8
603	Pathophysiology of Heat Stroke. <b>2015</b> , 7, 1-101	2
602	Differential expression patterns among heat-shock protein genes and thermal responses in the whitefly <i>Bemisia tabaci</i> (MEAM 1). <b>2015</b> , 52, 199-207	28
601	Differential responses of <i>Apis mellifera</i> heat shock protein genes to heat shock, flower-thinning formulations, and imidacloprid. <b>2015</b> , 18, 583-589	28
600	The effect of calving in the summer on the hepatic transcriptome of Holstein cows during the peripartal period. <b>2015</b> , 98, 5401-13	16
599	Identification of simple sequence repeat markers in the dromedary ( <i>Camelus dromedarius</i> ) genome by next-generation sequencing. <b>2015</b> , 39, 218-228	2
598	Natural variation in resistance to desiccation and heat shock protein expression in the land snail <i>Theba pisana</i> along a climatic gradient. <b>2015</b> , 88, 66-80	9
597	DAMPs activating innate immune responses in sepsis. <b>2015</b> , 24, 54-65	47
596	Environmental temperature and stocking density effects on acute phase proteins, heat shock protein 70, circulating corticosterone and performance in broiler chickens. <b>2015</b> , 59, 1577-83	53
595	Gingival tissue healing following Er:YAG laser ablation compared to electrosurgery in rats. <b>2015</b> , 30, 875-83	21
594	A comparative study on the expression profile of MCTs and HSPs in Ghungroo and Large White Yorkshire breeds of pigs during different seasons. <b>2015</b> , 20, 441-9	8
593	Long-term cultivation of Chinese hamster fibroblasts V-79 RJK under elevated temperature results in karyotype destabilization. <b>2015</b> , 9, 119-126	2
592	Histological, ultrastructural and heat shock protein 70 (HSP70) responses to heat stress in the sea cucumber <i>Apostichopus japonicus</i> . <b>2015</b> , 45, 321-6	26
591	Vitamin C, A and E supplementation decreases the expression of HSPA1A and HSPB1 genes in the leukocytes of young polish figure skaters during a 10-day training camp. <b>2015</b> , 12, 9	5
590	A comparison of two commercially available ELISA methods for the quantification of human plasma heat shock protein 70 during rest and exercise stress. <b>2015</b> , 20, 917-26	9
589	Potential Cytoprotective Effects of Heat Shock Proteins to Skeletal Muscle. <b>2015</b> , 119-127	1
588	Potential role of vitexin in alleviating heat stress-induced cytotoxicity: Regulatory effect of Hsp90 on ER stress-mediated autophagy. <b>2015</b> , 142, 36-48	23



587	Vibrio diabolicus challenge in Bathymodiolus azoricus populations from Menez Gwen and Lucky Strike hydrothermal vent sites. <b>2015</b> , 47, 962-77	5
586	Adaptations and mechanisms of human heat acclimation: Applications for competitive athletes and sports. <b>2015</b> , 25 Suppl 1, 20-38	264
585	Isothermic and fixed-intensity heat acclimation methods elicit equal increases in Hsp72 mRNA. <b>2015</b> , 25 Suppl 1, 259-68	31
584	Ontogeny of the corticotrophin-releasing hormone system in slow- and fast-growing chicks (Gallus gallus). <b>2015</b> , 151, 38-45	7
583	The effect of different degrees of feed restriction on heat shock protein 70, acute phase proteins, and other blood parameters in female broiler breeders. <b>2015</b> , 94, 2322-9	24
582	Proteomic changes of the porcine small intestine in response to chronic heat stress. <b>2015</b> , 55, 277-93	21
581	Low-Intensity Pulsed Ultrasound Stimulation Enhances Heat-Shock Protein 90 and Mineralized Nodule Formation in Mouse Calvaria-Derived Osteoblasts. <b>2015</b> , 21, 2829-39	17
580	Heat acclimation attenuates physiological strain and the HSP72, but not HSP90 mRNA response to acute normobaric hypoxia. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 889-99	3-7 39
579	Magnetic nanoparticle-mediated hyperthermia therapy induces tumour growth inhibition by apoptosis and Hsp90/AKT modulation. <b>2015</b> , 31, 909-19	24
578	Short-Wave Diathermy Pretreatment and Inflammatory Myokine Response After High-Intensity Eccentric Exercise. <b>2015</b> , 50, 612-20	7
577	Global Metabonomic and Proteomic Analysis of Human Conjunctival Epithelial Cells (IOBA-NHC) in Response to Hyperosmotic Stress. <b>2015</b> , 14, 3982-95	22
576	Moderate- and high-intensity exhaustive exercise in the heat induce a similar increase in monocyte Hsp72. <b>2015</b> , 20, 1037-42	7
575	Transcriptome response to heat stress in a chicken hepatocellular carcinoma cell line. <b>2015</b> , 20, 939-50	46
574	Impact of DBP on histology and expression of HSP 70 in gill and liver tissue of Cyprinus carpio. <b>2015</b> , 42, 1409-17	10
573	Induction of Antioxidant and Heat Shock Protein Responses During Torpor in the Gray Mouse Lemur, Microcebus murinus. <b>2015</b> , 13, 119-26	27
572	Thermal manipulation during broiler chicken embryogenesis: Effect on mRNA expressions of Hsp108, Hsp70, Hsp47 and Hsf-3 during subsequent post-hatch thermal challenge. <b>2015</b> , 103, 211-7	18
571	Expression of HSPs: an adaptive mechanism during long-term heat stress in goats (Capra hircus). <b>2015</b> , 59, 1095-106	34
570	Rock black fungi: excellence in the extremes, from the Antarctic to space. <b>2015</b> , 61, 335-45	76

569	A review on the mechanisms of blood-flow restriction resistance training-induced muscle hypertrophy. <b>2015</b> , 45, 187-200	183
568	Effects of temperature and dietary protein on gene expression of Hsp70 and Wap65 and immunity of juvenile mirror carp ( <i>Cyprinus carpio</i> ). <b>2015</b> , 46, 2776-2788	14
567	Molecular cloning and expression analysis of heat shock protein 20 (HSP20) from the pearl oyster <i>Pinctada martensii</i> . <b>2016</b> , 15,	5
566	Emodin-8-O-glucuronic acid, from the traditional Chinese medicine qinghuobaiduyin, affects the secretion of inflammatory cytokines in LPS-stimulated raw 264.7 cells via HSP70. <b>2016</b> , 14, 2368-72	3
565	Effect of Salinity Stress on Gene Expression in Black Tiger Shrimp <i>Penaeus monodon</i> . <b>2016</b> ,	1
564	Metabolic Stress, Heat Shock Proteins, and Innate Immune Response. <b>2016</b> , 107-131	1
563	Functionally Guided Retinal Protective Therapy for Dry Age-Related Macular and Inherited Retinal Degenerations: A Pilot Study. <b>2016</b> , 57, 265-75	29
562	Expression patterns of two heat-shock cognate 70 genes during immune responses and larval development of the Chinese mitten crab <i>Eriocheir sinensis</i> . <b>2016</b> , 15,	3
561	Cytoprotective effects of cerium and selenium nanoparticles on heat-shocked human dermal fibroblasts: an in vitro evaluation. <b>2016</b> , 11, 1427-33	12
560	The Molecular Stress Response. <b>2016</b> , 113-166	39
559	Fever as an important resource for infectious diseases research. <b>2016</b> , 5, 97-102	19
558	Cross Acclimation between Heat and Hypoxia: Heat Acclimation Improves Cellular Tolerance and Exercise Performance in Acute Normobaric Hypoxia. <b>2016</b> , 7, 78	30
557	Effect of heat shock protein 70 polymorphism on thermotolerance in Tharparkar cattle. <b>2016</b> , 9, 113-7	22
556	Function of Heat-Shock Proteins in Drought Tolerance Regulation of Plants. <b>2016</b> , 163-185	7
555	Lysosomal cystine accumulation promotes mitochondrial depolarization and induction of redox-sensitive genes in human kidney proximal tubular cells. <b>2016</b> , 594, 3353-70	10
554	Mitochondria in the middle: exercise preconditioning protection of striated muscle. <b>2016</b> , 594, 5161-83	27
553	Astaxanthin intake attenuates muscle atrophy caused by immobilization in rats. <b>2016</b> , 4, e12885	23
552	Liver transcriptome response to hyperthermic stress in three distinct chicken lines. <b>2016</b> , 17, 955	32

551	Stress and immune responses in skin of turbot ( <i>Scophthalmus maximus</i> ) under different stocking densities. <b>2016</b> , 55, 131-9		51
550	The stress protein HSP70 from the marine sponge <i>Thenea muricata</i> . <b>2016</b> , 96, 573-581		1
549	Rapid cooling after acute hyperthermia alters intestinal morphology and increases the systemic inflammatory response in pigs. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 1249-59	3.7	20
548	Cardiovascular adaptations supporting human exercise-heat acclimation. <b>2016</b> , 196, 52-62		125
547	Novel SNP identification in exon 3 of HSP90AA1 gene and their association with heat tolerance traits in Karan Fries ( <i>Bos taurus</i> [Bos indicus]) cows under tropical climatic condition. <b>2016</b> , 48, 735-40		6
546	Molecular Mechanisms of Heat Shock Proteins and Thermotolerance in Plants. <b>2016</b> , 71-83		5
545	Heat-induced apoptosis and gene expression in bovine mammary epithelial cells. <b>2016</b> , 56, 918		18
544	Response of heat shock protein genes of the oriental fruit moth under diapause and thermal stress reveals multiple patterns dependent on the nature of stress exposure. <b>2016</b> , 21, 653-63		18
543	Differential expression pattern of heat shock protein 70 gene in tissues and heat stress phenotypes in goats during peak heat stress period. <b>2016</b> , 21, 645-51		30
542	Modulation of the response to stress factors of <i>Xerolycosa nemoralis</i> (Lycosidae) spiders living in contaminated environments. <b>2016</b> , 131, 1-6		9
541	Proteomic analysis of <i>Mortierella isabellina</i> M6-22 during cold stress. <b>2016</b> , 198, 869-76		1
540	Hsp72 and Hsp90 mRNA transcription is characterised by large, sustained changes in core temperature during heat acclimation. <b>2016</b> , 21, 1021-1035		15
539	Acute hyperthermic responses of heat shock protein and estrogen receptor mRNAs in rainbow trout hepatocytes. <b>2016</b> , 201, 156-161		6
538	The effect of heat stress on gene expression and synthesis of heat-shock and milk proteins in bovine mammary epithelial cells. <b>2016</b> , 87, 84-91		38
537	The <i>Arabidopsis</i> polyamine transporter LHR1/PUT3 modulates heat responsive gene expression by enhancing mRNA stability. <b>2016</b> , 88, 1006-1021		23
536	Exposure time-dependent thermal effects of radiofrequency electromagnetic field exposure on the whole body of rats. <b>2016</b> , 41, 655-66		10
535	Fluoro-edenite and carbon nanotubes: The health impact of 'asbestos-like' fibres. <b>2016</b> , 11, 21-27		22
534	Transcriptional control, but not subcellular location, of PGC-1 $\beta$ s altered following exercise in a hot environment. <i>Journal of Applied Physiology</i> , <b>2016</b> , 121, 741-9	3.7	15

533	Targeting HSP70 and GRP78 in canine osteosarcoma cells in combination with doxorubicin chemotherapy. <b>2016</b> , 21, 1065-1076	19
532	Expression and promoter analysis of the OsHSP16.9C gene in rice. <b>2016</b> , 479, 260-265	3
531	Dietary supplementation of L-glutamine and L-glutamate in broiler chicks subjected to delayed placement. <b>2016</b> , 95, 2757-2763	9
530	Beyond Thermal Performance Curves: Modeling Time-Dependent Effects of Thermal Stress on Ectotherm Growth Rates. <b>2016</b> , 187, 283-94	104
529	Chronic oral administration of pine bark extract (flavangenol) attenuates brain and liver mRNA expressions of HSPs in heat-exposed chicks. <b>2016</b> , 60, 140-8	10
528	Amphetamine enhances endurance by increasing heat dissipation. <b>2016</b> , 4, e12955	9
527	The influence of pro-longevity gene Gclc overexpression on the age-dependent changes in Drosophila transcriptome and biological functions. <b>2016</b> , 17, 1046	14
526	Acute phase protein mRNA expressions and enhancement of antioxidant defense system in Black-meated Silkie Fowls supplemented with clove ( extracts under the influence of chronic heat stress. <b>2016</b> , 58, 39	2
525	Targeting heat shock protein 70 using gold nanorods enhances cancer cell apoptosis in low dose plasmonic photothermal therapy. <b>2016</b> , 102, 1-8	128
524	Post-exercise cold water immersion does not alter high intensity interval training-induced exercise performance and Hsp72 responses, but enhances mitochondrial markers. <b>2016</b> , 21, 793-804	15
523	Thermal Changes during Rheolytic Mechanical Thrombectomy. <b>2016</b> , 27, 905-12	1
522	Roles of HSF1 and Heat Shock Proteins in Cancer. <b>2016</b> , 33-48	
521	Transcriptome response to temperature stress in the wolf spider (Araneae: Lycosidae). <b>2016</b> , 6, 3540-3554	22
520	Responses to thermal and salinity stress in wild and farmed Pacific oysters <i>Crassostrea gigas</i> . <b>2016</b> , 201, 22-29	10
519	Nonpharmacological Correction of Hypersympatheticotonia in Patients with Chronic Coronary Insufficiency and Severe Left Ventricular Dysfunction. <b>2016</b> , 21, 548-556	14
518	The Neuro-Immune Pathophysiology of Central and Peripheral Fatigue in Systemic Immune-Inflammatory and Neuro-Immune Diseases. <b>2016</b> , 53, 1195-1219	86
517	Liver transcriptome sequencing and de novo annotation of the large yellow croaker ( <i>Larimichthys crocea</i> ) under heat and cold stress. <b>2016</b> , 25, 95-102	41
516	Nanomedicine and nanotoxicology: the pros and cons for neurodegeneration and brain cancer. <b>2016</b> , 11, 171-87	14

515	Mitohormesis in exercise training. <b>2016</b> , 98, 123-130		78
514	A new heat shock protein 70 gene (HSC70) and its expression profiles in response to cadmium stress and after different post-moulting times in <i>Exopalaemon carinicauda</i> (Holthuis, 1950) (Decapoda, Palaemonidae). <b>2016</b> , 89, 321-336		3
513	Intelligent Microbial Heat-Regulating Engine (IMHeRE) for Improved Thermo-Robustness and Efficiency of Bioconversion. <b>2016</b> , 5, 312-20		22
512	The Influence of Insecticide Resistance, Age, Sex, and Blood Feeding Frequency on Thermal Tolerance of Wild and Laboratory Phenotypes of <i>Anopheles funestus</i> (Diptera: Culicidae). <b>2016</b> , 53, 394-400		4
511	Invited review: Influence of climatic conditions on the development, performance, and health of calves. <b>2016</b> , 99, 2438-2452		62
510	Common mechanisms for the adaptive responses to exercise and heat stress. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 662-3	3-7	3
509	Heat shock proteins and exercise adaptations. Our knowledge thus far and the road still ahead. <i>Journal of Applied Physiology</i> , <b>2016</b> , 120, 683-91	3-7	38
508	Role of sequential low-tide-period conditions on the thermal physiology of summer and winter laboratory-acclimated fingered limpets, <i>Lottia digitalis</i> . <b>2016</b> , 163, 1		9
507	Plasticity of upper thermal limits to acute and chronic temperature variation in <i>Manduca sexta</i> larvae. <b>2016</b> , 219, 1290-4		26
506	Geographic variation in thermal tolerance and strategies of heat shock protein expression in the land snail <i>Theba pisana</i> in relation to genetic structure. <b>2016</b> , 21, 219-38		8
505	Plastic and Evolutionary Gene Expression Responses Are Correlated in European Grayling ( <i>Thymallus thymallus</i> ) Subpopulations Adapted to Different Thermal Environments. <b>2016</b> , 107, 82-9		27
504	eHSP70/iHSP70 and divergent functions on the challenge: effect of exercise and tissue specificity in response to stress. <b>2017</b> , 37, 99-105		5
503	Effect of mild heat stress on heat shock protein 70 in a balneotherapy model. <b>2017</b> , 9, 86-90		6
502	Thermotolerance, oxidative stress, apoptosis, heat-shock proteins and damages to reproductive cells of insecticide-susceptible and -resistant strains of the diamondback moth <i>Plutella xylostella</i> . <b>2017</b> , 107, 513-526		9
501	Flg22-triggered oxylipin production in <i>Pyropia haitanensis</i> . <b>2017</b> , 65, 86-93		7
500	Stress-induced O-GlcNAcylation: an adaptive process of injured cells. <b>2017</b> , 45, 237-249		63
499	Comparative proteomic analysis of <i>Ganoderma</i> species during in vitro interaction with oil palm root. <b>2017</b> , 99, 16-24		5
498	Metabolic and cellular stress responses of catfish, <i>Horabagrus brachysoma</i> (Güther) acclimated to increasing temperatures. <b>2017</b> , 65, 32-40		38

497	Integrated metabonomic-proteomic studies on blood enrichment effects of <i>Angelica sinensis</i> on a blood deficiency mice model. <b>2017</b> , 55, 853-863	16
496	Exploring potential biomarker responses to lithium in <i>Daphnia magna</i> from the perspectives of function and signaling networks. <b>2017</b> , 13, 83-94	1
495	Seasonal variation in HSP70 expression and oxidative stress in skin of zebu (Tharparkar) and crossbred (Karan Fries) cattle under tropical climate. <b>2017</b> , 48, 647-661	1
494	Microbial response to environmental stresses: from fundamental mechanisms to practical applications. <b>2017</b> , 101, 3991-4008	54
493	Depression of leukocyte protein synthesis, immune function and growth performance induced by high environmental temperature in broiler chickens. <b>2017</b> , 61, 1637-1645	32
492	Golden Apple Snails. <b>2017</b> , 33-47	
491	Biological Invasions and Its Management in China. <b>2017</b> ,	4
490	Expression of the stress-response regulators CtsR and HrcA in the uropathogen <i>Staphylococcus saprophyticus</i> during heat shock. <b>2017</b> , 110, 1105-1111	7
489	Differences in structure and changes in gene regulation of murrel molecular chaperone HSP family during epizootic ulcerative syndrome (EUS) infection. <b>2017</b> , 60, 129-140	3
488	A review of the evidence for threshold of burn injury. <b>2017</b> , 43, 1624-1639	33
487	Detection of 70 kDa heat shock protein in the saliva of dairy cows. <b>2017</b> , 84, 280-282	4
486	Effects of 10 days of separate heat and hypoxic exposure on heat acclimation and temperate exercise performance. <b>2017</b> , 313, R191-R201	30
485	"Heat shock protein 70 in pancreatic diseases: Friend or foe". <b>2017</b> , 116, 114-122	18
484	Exercise: Teaching myocytes new tricks. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 460-472	3.7 13
483	Heterologous Expression of the Carrot Hsp17.7 gene Increased Growth, Cell Viability, and Protein Solubility in Transformed Yeast ( <i>Saccharomyces cerevisiae</i> ) under Heat, Cold, Acid, and Osmotic Stress Conditions. <b>2017</b> , 74, 952-960	7
482	System analysis of salt and osmotic stress induced proteins in and. <b>2017</b> , 15, 231-237	
481	Cross-Adaptation: Heat and Cold Adaptation to Improve Physiological and Cellular Responses to Hypoxia. <b>2017</b> , 47, 1751-1768	25
480	Application of antibodies to recombinant heat shock protein 70 in immunohistochemical diagnosis of in tissues of naturally infected cattle. <b>2017</b> , 70, 10	2

479	Comparison of half-dose photodynamic therapy and 689 nm laser treatment in eyes with chronic central serous chorioretinopathy. <b>2017</b> , 255, 1141-1148	17
478	Expression dynamics of HSP70 during chronic heat stress in Tharparkar cattle. <b>2017</b> , 61, 1017-1027	34
477	Transcription of four <i>Rhopalosiphum padi</i> (L.) heat shock protein genes and their responses to heat stress and insecticide exposure. <b>2017</b> , 205, 48-57	22
476	Expression profiling of hsp70 gene during different seasons in goats ( <i>Capra hircus</i> ) under sub-tropical humid climatic conditions. <b>2017</b> , 147, 41-47	11
475	Curcumin suppresses inflammatory cytokines and heat shock protein 70 release and improves metabolic parameters during experimental sepsis. <b>2017</b> , 55, 269-276	19
474	Exercise for Cardiovascular Disease Prevention and Treatment. <b>2017</b> ,	1
473	Preclinical Validation of the Located Hyperthermia Using Gold Macro-Rods and Ultrasound as an Effective Treatment for Solid Tumors. <b>2017</b> , 987, 1-12	
472	SMN regulation in SMA and in response to stress: new paradigms and therapeutic possibilities. <b>2017</b> , 136, 1173-1191	5
471	Transcriptome analysis and identification of significantly differentially expressed genes in Holstein calves subjected to severe thermal stress. <b>2017</b> , 61, 1993-2008	11
470	Strength Training with Vascular Occlusion: A Review of Possible Adaptive Mechanisms. <b>2017</b> , 18,	3
469	Heat Shock Proteins in <i>Histoplasma</i> and <i>Paracoccidioides</i> . <b>2017</b> , 24,	21
468	A probiotic <i>Bacillus</i> strain containing amorphous poly-beta-hydroxybutyrate (PHB) stimulates the innate immune response of <i>Penaeus monodon</i> postlarvae. <b>2017</b> , 68, 202-210	16
467	Temporal expression of cumulus cell marker genes during in vitro maturation and oocyte developmental competence. <b>2017</b> , 34, 1493-1500	17
466	Heat-induced inflammation and its role in esophageal cancer. <b>2017</b> , 18, 431-444	17
465	Neutralization of Lipopolysaccharide by Heat Shock Protein in <i>Pediococcus pentosaceus</i> AK-23. <b>2017</b> , 82, 1657-1663	7
464	Thermal inactivation of <i>Listeria monocytogenes</i> and <i>Salmonella</i> spp. in sous-vide processed marinated chicken breast. <b>2017</b> , 100, 894-898	24
463	Effects of Oxygen Availability on Oxidative Stress Biomarkers in the Mediterranean Mussel <i>Mytilus galloprovincialis</i> . <b>2017</b> , 19, 614-626	30
462	Exosomes Mediate the Beneficial Effects of Exercise. <b>2017</b> , 1000, 333-353	11

- 461 The expression pattern of hsp70 plays a critical role in thermal tolerance of marine demersal fish: Multilevel responses of *Paralichthys olivaceus* and its hybrids (*P. olivaceus* × *P. dentatus*) to chronic and acute heat stress. **2017**, 129, 386-395 22
- 460 Thermotolerance, health profile and cellular expression of HSP90AB1 in Nguni and Boran cows raised on natural pastures under tropical conditions. **2017**, 69, 85-94 13
- 459 A simple and efficient method for successful gene silencing of HspA1 in *Trametes hirsuta* AH28-2. **2017**, 110, 1527-1535 2
- 458 Early Transcriptional Responses during Heat Stress in the Coral *Acropora hyacinthus*. **2017**, 232, 91-100 42
- 457 Targeting of Heat Shock Protein HSPA6 (HSP70B') to the Periphery of Nuclear Speckles is Disrupted by a Transcription Inhibitor Following Thermal Stress in Human Neuronal Cells. **2017**, 42, 406-414 7
- 456 Characterization of genes and pathways that respond to heat stress in Holstein calves through transcriptome analysis. **2017**, 22, 29-42 41
- 455 hsp90 and hsp47 appear to play an important role in minnow *Puntius sophore* for surviving in the hot spring run-off aquatic ecosystem. **2017**, 43, 89-102 21
- 454 Unraveling cellular pathways contributing to drug-induced liver injury by dynamical modeling. **2017**, 13, 5-17 11
- 453 Engineering a temperature sensitive tobacco etch virus protease. **2017**, 30, 705-712
- 452 TRIENNIAL LACTATION SYMPOSIUM/BOLFA: Late gestation heat stress of dairy cattle programs dam and daughter milk production. **2017**, 95, 5701-5710 22
- 451 Expression Dynamics of Heat Shock Proteins (HSP) in Livestock under Thermal Stress. **2017**, 37-79 1
- 450 Heat Shock Proteins in Aquaculture Disease Immunology and Stress Response of Crustaceans. **2017**, 275-320 3
- 449 Hypoxic Air Inhalation and Ischemia Interventions Both Elicit Preconditioning Which Attenuate Subsequent Cellular Stress Following Blood Flow Occlusion and Reperfusion. **2017**, 8, 560 16
- 448 Dynamic expression of HSP90B1 mRNA in the hypothalamus of two Chinese chicken breeds under heat stress and association analysis with a SNP in Huainan chickens. **2017**, 62, 82-87 5
- 447 In Vivo Imaging of Local Gene Expression Induced by Magnetic Hyperthermia. **2017**, 8, 10 10
- 446 Sepsis-Induced Cardiomyopathy: Mechanisms and Treatments. **2017**, 8, 1021 76
- 445 Stress: Concepts, Definition and History. **2017**, 33
- 444 The importance of propolis in alleviating the negative physiological effects of heat stress in quail chicks. **2017**, 12, e0186907 21



443	Comparative transcriptome analysis of <i>Glyphodes pyloalis</i> Walker (Lepidoptera: Pyralidae) reveals novel insights into heat stress tolerance in insects. <b>2017</b> , 18, 974	37
442	Change in redox state and heat shock protein expression in an Indian major carp <i>Cirrhinus cirrhosus</i> exposed to zinc and lead. <b>2017</b> , 42, 731-740	15
441	Effect of thermal stress on HSP90 expression of Bali cattle in Barru district, South Sulawesi. <b>2017</b> ,	1
440	Elusively overwintering: a review of diamondback moth (Lepidoptera: Plutellidae) cold tolerance and overwintering strategy. <b>2018</b> , 150, 156-173	19
439	Biomaterial scaffolds for non-invasive focal hyperthermia as a potential tool to ablate metastatic cancer cells. <b>2018</b> , 166, 27-37	19
438	Effects of age and exercise on inflammatory cytokines, HSP70 and HSP90 gene expression and protein content in Standardbred horses. <b>2018</b> , 14, 27-46	6
437	Differential effects of abiotic conditions on fitness-related parameters of two <i>Euseius</i> species inhabiting avocado agro-ecosystems. <b>2018</b> , 63, 585-594	
436	Comparison of longissimus thoracis physical quality traits and the expression of tenderness-related genes between Goudali zebu breed and Italian Simmental Goudali crossbreed. <b>2018</b> , 17, 851-858	3
435	Improved retinal and visual function following panmacular subthreshold diode micropulse laser for retinitis pigmentosa. <b>2018</b> , 32, 1099-1110	12
434	Inhibition of corticosterone synthesis and its effect on acute phase proteins, heat shock protein 70, and interleukin-6 in broiler chickens subjected to feed restriction. <b>2018</b> , 97, 1441-1447	5
433	A common surfactant used in food packaging found to be toxic for reproduction in mammals. <b>2018</b> , 113, 115-124	13
432	Effects of low-protein diets on acute phase proteins and heat shock protein 70 responses, and growth performance in broiler chickens under heat stress condition. <b>2018</b> , 97, 1306-1314	13
431	Short-term heat stress altered metabolism and insulin signaling in skeletal muscle. <b>2018</b> , 96, 154-167	12
430	Comparative proteomic analysis of hepatopancreas in <i>Macrobrachium rosenbergii</i> responded to Poly (I:C). <b>2018</b> , 75, 164-171	6
429	Molecular characteristics of a novel HSP60 gene and its differential expression in Manila clams ( <i>Ruditapes philippinarum</i> ) under thermal and hypotonic stress. <b>2018</b> , 23, 179-187	8
428	Comparative study of selenium and selenium nanoparticles with reference to acute toxicity, biochemical attributes, and histopathological response in fish. <b>2018</b> , 25, 8914-8927	43
427	Transcriptome analysis reveals mechanisms of geroprotective effects of fucoxanthin in <i>Drosophila</i> . <b>2018</b> , 19, 77	18
426	High Temperature, Oxygen, and Performance: Insights from Reptiles and Amphibians. <b>2018</b> , 58, 9-24	41

425	Heat shock proteins and cardiovascular disease. <b>2018</b> , 105, 19-37	23
424	Remote Control of Mammalian Cells with Heat-Triggered Gene Switches and Photothermal Pulse Trains. <b>2018</b> , 7, 1167-1173	26
423	Disinhibiting neurons in the dorsomedial hypothalamus delays the onset of exertional fatigue and exhaustion in rats exercising in a warm environment. <b>2018</b> , 1689, 12-20	2
422	Effect of Temperature on the Morphometrical and Physical Parameters of Erythrocytes and Polymorphonuclear Leucocytes in <i>Carassius gibelio</i> (Bloch). <b>2018</b> , 11, 92-96	
421	Temporal variation in oxidative stress indicators in liver of totoaba ( <i>Totoaba macdonaldi</i> ) Perciformes: Sciaenidae. <b>2018</b> , 98, 833-844	3
420	Identification of heat stress-susceptible and -tolerant phenotypes in goats in semiarid tropics. <b>2018</b> , 58, 1349	11
419	Ultraviolet filters and heat shock proteins: effects in <i>Chironomus riparius</i> by benzophenone-3 and 4-methylbenzylidene camphor. <b>2018</b> , 25, 333-344	10
418	Behavioral phenotype predicts physiological responses to chronic stress in proactive and reactive birds. <b>2018</b> , 255, 71-77	21
417	Effect of single and repeated heat stress on chemical signals of heat shock response cascade in the rat's heart. <b>2018</b> , 23, 561-570	5
416	Oxidative Stress: A Unifying Mechanism for Cell Damage Induced by Noise, (Water-Pipe) Smoking, and Emotional Stress-Therapeutic Strategies Targeting Redox Imbalance. <b>2018</b> , 28, 741-759	28
415	Heat shock proteins as modulators and therapeutic targets of chronic disease: an integrated perspective. <b>2018</b> , 373,	34
414	Membrane heat shock protein 70: a theranostic target for cancer therapy. <b>2018</b> , 373,	50
413	Antagonistic pleiotropy and mutation accumulation contribute to age-related decline in stress response. <b>2018</b> , 72, 303-317	18
412	Effect of mild heat treatment on shelf life of fresh lotus root. <b>2018</b> , 90, 83-89	7
411	Transcriptional profiling of antioxidant defense system and heat shock protein (Hsp) families in the cadmium- and copper-exposed marine ciliate <i>Euplotes crassus</i> . <b>2018</b> , 40, 85-98	8
410	Protective effects of red grape ( <i>Vitis vinifera</i> ) juice through restoration of antioxidant defense, endocrine swing and Hsf1, Hsp72 levels in heat stress induced testicular dysregulation of Wister rat. <b>2018</b> , 71, 32-40	7
409	Differential expression of microRNAs associated with thermal stress in Frieswal ( <i>Bos taurus</i> x <i>Bos indicus</i> ) crossbred dairy cattle. <b>2018</b> , 23, 155-170	34
408	Effect of environmental conditions on physiological response of Bali cattle in Bogor district and West Sumbawa district. <b>2018</b> ,	

407	The profile of HSP90 gene expression of Bali cattle to heat stress in West Sumbawa, West Nusa Tenggara. <b>2018,</b>	
406	Heat Shock Protein Expression is Upregulated after Acute Heat Exposure in Three Species of Australian Desert Birds. <b>2018, 11, 263-273</b>	3
405	Improved efficiency and thermal stability of ternary all-small-molecule organic solar cells by NCBA as a third component material. <b>2018, 10, 19524-19535</b>	20
404	Graphitic carbon nitride nanosheets as a multifunctional nanoplatfrom for photochemical internalization-enhanced photodynamic therapy. <b>2018, 6, 7908-7915</b>	22
403	Abiotic Stresses: General Defenses of Land Plants and Chances for Engineering Multistress Tolerance. <b>2018, 9, 1771</b>	171
402	The effects of coenzyme Q10 on oxidative stress and heat shock proteins in rats subjected to acute and chronic exercise. <b>2018, 22, 14-20</b>	6
401	Safe and efficient novel approach for non-invasive gene electrotransfer to skin. <b>2018, 8, 16833</b>	10
400	Effects of Acute Cold Stress on Liver -GlcNAcylation and Glycometabolism in Mice. <b>2018, 19,</b>	17
399	Brain Aging: Hsp90 and Neurodegenerative Diseases. <b>2018, 1086, 93-103</b>	5
398	Heat Shock Proteins and Stress. <b>2018,</b>	1
397	Role of Heat Shock Proteins in Oxidative Stress and Stress Tolerance. <b>2018, 109-126</b>	7
396	Mechanisms of Plastic Rescue in Novel Environments. <b>2018, 49, 331-354</b>	57
395	Differentiation in fitness-related traits in response to elevated temperatures between leading and trailing edge populations of marine macrophytes. <b>2018, 13, e0203666</b>	14
394	Aging and Aging-Related Diseases. <b>2018,</b>	6
393	Quantitative Proteomic Profiling Reveals Key Pathways in the Anticancer Action of Methoxychalcone Derivatives in Triple Negative Breast Cancer. <b>2018, 17, 3574-3585</b>	11
392	Low incidence of choroidal neovascularization following subthreshold diode micropulse laser (SDM) in high-risk AMD. <b>2018, 13, e0202097</b>	12
391	Thermal stress and energy metabolism in two circumtropical decapod crustaceans: Responses to acute temperature events. <b>2018, 141, 148-158</b>	17
390	Neuropathological profile of the pentylenetetrazol (PTZ) kindling model. <b>2018, 128, 1086-1096</b>	36

389	Enzyme-treated Asparagus Extract Down-regulates Heat Shock Protein 27 of Pancreatic Cancer Cells. <b>2018</b> , 32, 759-763		3
388	Heat stress: impact on livestock well-being and productivity and mitigation strategies to alleviate the negative effects. <b>2018</b> , 58, 1404		31
387	Influence of elevated temperature on bovine oviduct epithelial cells (BOECs). <b>2018</b> , 13, e0198843		3
386	Hsp70 in Fungi: Evolution, Function and Vaccine Candidate. <b>2018</b> , 381-400		5
385	The Failing Myocardium in Sepsis. <b>2018</b> , 445-456		0
384	Association of High Cardiovascular Fitness and the Rate of Adaptation to Heat Stress. <b>2018</b> , 2018, 1685368		5
383	Repeated exposure to heat stress induces mitochondrial adaptation in human skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 1447-1455	3-7	39
382	Expression patterns of heat shock protein genes in Rita rita from natural riverine habitat as biomarker response against environmental pollution. <b>2018</b> , 211, 535-546		10
381	Effects of specific light wavelengths on osmotic stress in the ornamental cleaner shrimp <i>Lysmata amboinensis</i> (De Man, 1888) (Decapoda: Caridea: Lysmatidae). <b>2018</b> , 38, 475-482		3
380	Nano-therapeutic cancer immunotherapy using hyperthermia-induced heat shock proteins: insights from mathematical modeling. <b>2018</b> , 13, 3529-3539		25
379	Transcriptome response of human skeletal muscle to divergent exercise stimuli. <i>Journal of Applied Physiology</i> , <b>2018</b> , 124, 1529-1540	3-7	35
378	Double Face of eHsp70 in Front of Different Situations. <b>2018</b> , 133-161		
377	Differential intracellular localization of Hsp70 in the gill and heart tissue of fresh water prawn <i>Macrobrachium malcolmsonii</i> during thermal stress. <b>2018</b> , 45, 1321-1329		
376	The effect of warming on mortality, metabolic rate, heat-shock protein response and gonad growth in thermally acclimated sea urchins ( <i>Heliocidaris erythrogramma</i> ). <b>2018</b> , 165, 1		27
375	Adaptive response of pearl oyster <i>Pinctada fucata martensii</i> to low water temperature stress. <b>2018</b> , 78, 310-315		20
374	Early life thermal stress: Impact on future thermotolerance, stress response, behavior, and intestinal morphology in piglets exposed to a heat stress challenge during simulated transport. <b>2018</b> , 96, 1640-1653		16
373	Magnetosomes Extracted from as Theranostic Agents in an Experimental Model of Glioblastoma. <b>2018</b> , 2018, 2198703		23
372	Multifunctional Nanotherapeutics for Photothermal Combination Therapy of Cancer. <b>2018</b> , 1, 1800049		10

371	Model of Chaperones in Aging. <b>2018</b> , 1095-1115	
370	Hsp90 inhibitors as senolytic drugs to extend healthy aging. <b>2018</b> , 17, 1048-1055	35
369	The Physiology of Heat Tolerance in Small Endotherms. <b>2019</b> , 34, 302-313	49
368	A Missense Mutation of the Gene Associated with Heat Tolerance in Chinese Indicine Cattle. <b>2019</b> , 9,	9
367	Neuroprotective Effects of Exercise on the Morphology of Somatic Motoneurons Following the Death of Neighboring Motoneurons. <b>2019</b> , 33, 656-667	5
366	Heat Shock Proteins, Exercise and Inflammation. <b>2019</b> , 101-119	
365	Alpha lipoic acid supplementation ameliorates the wrath of simulated tropical heat and humidity stress in male Murrah buffaloes. <b>2019</b> , 63, 1331-1346	1
364	Induction of hyperpigmentation and heat shock protein 70 response to the toxicity of methomyl insecticide during the organ development of the Arabian toad,. <b>2019</b> , 42, 104-115	4
363	Prospects of HSP70 as a genetic marker for thermo-tolerance and immuno-modulation in animals under climate change scenario. <b>2019</b> , 5, 340-350	37
362	Ensemble multi-objective evolutionary algorithm for gene regulatory network reconstruction based on fuzzy cognitive maps. <b>2019</b> , 4, 24-36	19
361	Heat Shock Protein 60 in Human Diseases and Disorders. <b>2019</b> ,	0
360	Dietary administration of PVC and PE microplastics produces histological damage, oxidative stress and immunoregulation in European sea bass ( <i>Dicentrarchus labrax</i> L.). <b>2019</b> , 95, 574-583	60
359	Patterns of Gene Expression Variation across Body Parts of the Hydrothermal Vent Shrimp <i>Nautilocaris saintlaurentae</i> . <b>2019</b> , 54, 595-609	
358	Comparative proteomics of stenotopic caddisfly <i>Crunoecia irrorata</i> identifies acclimation strategies to warming. <b>2019</b> , 28, 4453-4469	6
357	cDNA Library for Mining Functional Genes in Hance Related to Cadmium Tolerance and Characterization of the Roles of a Novel Gene in Enhancing Cadmium Hyperaccumulation. <b>2019</b> , 53, 10926-10940	10
356	Extracorporeal resuscitation with carbon monoxide improves renal function by targeting inflammatory pathways in cardiac arrest in pigs. <b>2019</b> , 317, F1572-F1581	5
355	The Role of Hyperthermia in the Multidisciplinary Treatment of Malignant Tumors. <b>2019</b> , 18, 1534735419876345	4
354	Novel Biocontrol Agents: Short Chain Fatty Acids and More Recently, Polyhydroxyalkanoates. <b>2019</b> , 323-345	2

353	Molecular characterization and expression patterns of <i>Phenacoccus solenopsis</i> (Hemiptera: Pseudococcidae) heat shock protein genes and their response to host stress. <b>2019</b> , 100, e21536	0
352	Biotechnological Applications of Polyhydroxyalkanoates. <b>2019</b> ,	15
351	Effects of different stocking densities on growth performance, antioxidant ability, and immunity of finishing broilers. <b>2019</b> , 90, 583-588	3
350	A proteomic-based approach to study underlying molecular responses of the small intestine of Wistar rats to genetically modified corn (MON810). <b>2019</b> , 28, 479-498	3
349	Contrasting Responses of Lizards to Divergent Ecological Stressors Across Biological Levels of Organization. <b>2019</b> , 59, 292-305	13
348	Heat therapy improves glucose tolerance and adipose tissue insulin signaling in polycystic ovary syndrome. <b>2019</b> , 317, E172-E182	14
347	Determination of neuroinflammatory biomarkers in autistic and neurotypical Saudi children. <b>2019</b> , 34, 1049-1060	1
346	Physiological responses of juvenile Chilean scallops ( <i>Argopecten purpuratus</i> ) to isolated and combined environmental drivers of coastal upwelling. <b>2019</b> , 76, 1836-1849	15
345	Ocean acidification at a coastal CO <sub>2</sub> vent induces expression of stress-related transcripts and transposable elements in the sea anemone <i>Anemonia viridis</i> . <b>2019</b> , 14, e0210358	5
344	The adaptogenic anti-ageing potential of resveratrol against heat stress-mediated liver injury in aged rats: Role of HSP70 and NF- $\kappa$ B signalling. <b>2019</b> , 83, 8-21	28
343	Molecular physiology of copepods - from biomarkers to transcriptomes and back again. <b>2019</b> , 30, 230-247	12
342	Response of lactating dairy cows fed different supplemental zinc sources with and without evaporative cooling to intramammary lipopolysaccharide infusion: intake, milk yield and composition, and hematologic profile <sup>1</sup> . <b>2019</b> , 97, 2053-2065	0
341	Heat shock protein genes in the green alga <i>Tetraselmis suecica</i> and their role against redox and non-redox active metals. <b>2019</b> , 69, 37-51	10
340	Heat Stress in Sport and Exercise. <b>2019</b> ,	3
339	Heat Acclimation. <b>2019</b> , 159-178	3
338	HSP superfamily of genes in the malaria vector <i>Anopheles sinensis</i> : diversity, phylogenetics and association with pyrethroid resistance. <b>2019</b> , 18, 132	4
337	Drought and heat stress-related proteins: an update about their functional relevance in imparting stress tolerance in agricultural crops. <b>2019</b> , 132, 1607-1638	45
336	Effects of thermal stress on oxidative stress and antioxidant response, heat shock proteins expression profiles and histological changes in <i>Marsupenaeus japonicus</i> . <b>2019</b> , 101, 780-791	6

335	Effect of cooled perches on physiological parameters of caged White Leghorn hens exposed to cyclic heat. <b>2019</b> , 98, 2317-2325	8
334	5: Animal nutrition and immunity in pigs and poultry. <b>2019</b> , 105-127	2
333	8: The adverse effects of heat stress on the antioxidant status and performance of pigs and poultry and reducing these effects with nutritional tools. <b>2019</b> , 187-208	4
332	Effect of Heat Stress on the Expression of HSP70, UCP3 and CYP450 Genes in Liver; Longissimus Dorsi and Semitendinosus Muscle of Growing Pigs. <b>2019</b> , 14, 221-230	1
331	Cellular Stress-Modulating Drugs Can Potentially Be Identified by in Silico Screening with Connectivity Map (CMap). <b>2019</b> , 20,	12
330	Central Serous Chorioretinopathy: Pathogenesis and Management. <b>2019</b> , 13, 2341-2352	25
329	Hyperthermia and immunotherapy: clinical opportunities. <b>2019</b> , 36, 4-9	27
328	A Bioinformatic Approach for the Identification of Molecular Determinants of Resistance/Sensitivity to Cancer Thermotherapy. <b>2019</b> , 2019, 4606219	4
327	Global-warming-caused changes of temperature and oxygen alter the proteomic profile of sea cucumber <i>Apostichopus japonicus</i> . <b>2019</b> , 193, 27-43	15
326	Comparative transcriptome analysis provides comprehensive insights into the heat stress response of <i>Marsupenaeus japonicus</i> . <b>2019</b> , 502, 338-346	13
325	Stress Effects on Meat Quality: A Mechanistic Perspective. <b>2019</b> , 18, 380-401	59
324	T1R1 expression in obscure puffer ( <i>Takifugu fasciatus</i> ) is associated with effect of dietary soybean antigenic protein on intestinal health. <b>2019</b> , 501, 202-212	8
323	Endurance exercise protects skeletal muscle against both doxorubicin-induced and inactivity-induced muscle wasting. <b>2019</b> , 471, 441-453	14
322	High-intensity exercise training ameliorates aberrant expression of markers of mitochondrial turnover but not oxidative damage in skeletal muscle of men with essential hypertension. <b>2019</b> , 225, e13208	12
321	Comparative Transcriptome Analysis of <i>Megacopta cribraria</i> (Hemiptera: Plataspidae) in Response to High-Temperature Stress. <b>2019</b> , 112, 407-415	7
320	Effects of pre-hatch thermal manipulation and post-hatch acute heat stress on the mRNA expression of interleukin-6 and genes involved in its induction pathways in 2 broiler chicken breeds. <b>2019</b> , 98, 1805-1819	13
319	Heat Shock Proteins and the Role of Nutritional Supplements to Preserve and Build Muscle. <b>2019</b> , 263-274	1
318	Skeletal muscle cold shock and heat shock protein mRNA response to aerobic exercise in different environmental temperatures. <b>2019</b> , 6, 77-84	3

3 <sup>17</sup>	Genome-wide identification and characterization of HSP gene superfamily in whitefly ( <i>Bemisia tabaci</i> ) and expression profiling analysis under temperature stress. <b>2019</b> , 26, 44-57	32
3 <sup>16</sup>	Acute Heat Stress Changes Protein Expression in the Testes of a Broiler-Type Strain of Taiwan Country Chickens. <b>2019</b> , 30, 129-145	9
3 <sup>15</sup>	The role of autoimmune reactivity induced by heat shock protein 70 in the pathogenesis of essential hypertension. <b>2019</b> , 176, 1829-1838	11
3 <sup>14</sup>	The Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance. <b>2020</b> , 15, 213-221	1
3 <sup>13</sup>	Dynamics of heat-shock proteins, metabolic and endocrine responses during increasing temperature humidity index (THI) in lactating Hariana (Zebu) cattle. <b>2020</b> , 51, 934-950	8
3 <sup>12</sup>	Effects of Total Residual Oxidant on Oxidative Stress in Juvenile Olive Flounder <i>Paralichthys Olivaceus</i> . <b>2020</b> , 42, 277-285	2
3 <sup>11</sup>	Biomarker-based assessment of the muscle maintenance and energy status of anurans from an extremely seasonal semi-arid environment, the Brazilian Caatinga. <b>2020</b> , 240, 110590	5
3 <sup>10</sup>	Thermoregulation in the Aging Population and Practical Strategies to Overcome a Warmer Tomorrow. <b>2020</b> , 20, e1800468	6
3 <sup>09</sup>	Dietary cobalt supplementation improves growth and body composition and induces the expression of growth and stress response genes in <i>Tor putitora</i> . <b>2020</b> , 46, 371-381	0
3 <sup>08</sup>	Heat shock protein 70 levels and post-harvest survival of eastern oysters following sublethal heat shock in the laboratory or conditioning in the field. <b>2020</b> , 25, 369-378	2
3 <sup>07</sup>	Effect of acclimation temperature on thermoregulatory behaviour, thermal tolerance and respiratory metabolism of <i>Lutjanus guttatus</i> and the response of heat shock protein 70 (Hsp70) and lactate dehydrogenase (Ldh-a) genes. <b>2020</b> , 51, 1089-1100	3
3 <sup>06</sup>	Consequences of knockdown on gene expression during the heat shock response in. <b>2020</b> , 223,	2
3 <sup>05</sup>	Tolerance of Novel Toxins through Generalized Mechanisms: Simulating Gradual Host Shifts of Butterflies. <b>2020</b> , 195, 485-503	3
3 <sup>04</sup>	Impaired heat shock protein 72 expression in women with polycystic ovary syndrome following a supervised exercise programme. <b>2020</b> , 25, 73-80	1
3 <sup>03</sup>	Virulence factors of <i>Paracoccidioides brasiliensis</i> as therapeutic targets: a review. <b>2020</b> , 113, 593-604	7
3 <sup>02</sup>	Effects of stocking density on the growth performance, serum biochemistry, muscle composition and HSP70 gene expression of juvenile golden pompano <i>Trachinotus ovatus</i> (Linnaeus, 1758). <b>2020</b> , 518, 734841	10
3 <sup>01</sup>	Sterigmatocystin moderately induces oxidative stress in male Wistar rats after short-term oral treatment. <b>2020</b> , 36, 181-191	4
3 <sup>00</sup>	Physiological and molecular differences in the thermal tolerance of two varieties of kuruma prawn <i>Marsupenaeus japonicus</i> : critical thermal maximum and heat shock protein 70. <b>2020</b> , 86, 163-169	2



- 299 Gypenosides Prevent HO-Induced Retinal Ganglion Cell Apoptosis by Concurrently Suppressing the Neuronal Oxidative Stress and Inflammatory Response. **2020**, 70, 618-630 12
- 298 Endotoxin Translocation and Gut Inflammation Are Increased in Broiler Chickens Receiving an Oral Lipopolysaccharide (LPS) Bolus during Heat Stress. **2020**, 12, 8
- 297 The role of commensal microflora-induced T cell responses in glaucoma neurodegeneration. **2020**, 256, 79-97 9
- 296 Therapeutic perspectives of heat shock proteins and their protein-protein interactions in myocardial infarction. **2020**, 160, 105162 4
- 295 How to survive winter?. **2020**, 101-125
- 294 Vertebrate viruses in polar ecosystems. **2020**, 126-148
- 293 Life in extreme environments and the responses to change: the example of polar environments. **2020**, 149-296
- 292 Life in the extreme environments of our planet under pressure. **2020**, 151-183
- 291 Chemical ecology in the Southern Ocean. **2020**, 251-278 0
- 290 Life and habitability. **2020**, 297-354
- 289 Introduction. **2020**, 1-6
- 288 Extreme environments: responses and adaptation to change. **2020**, 7-86
- 287 Physiological traits of the Greenland shark *Somniosus microcephalus* obtained during the TUNU-Expeditions to Northeast Greenland. **2020**, 11-41
- 286 Metazoan adaptation to deep-sea hydrothermal vents. **2020**, 42-67 1
- 285 Extremophiles populating high-level natural radiation areas (HLNRAs) in Iran. **2020**, 68-86
- 284 Biodiversity, bioenergetic processes, and biotic and abiotic interactions. **2020**, 87-148
- 283 Metazoan life in anoxic marine sediments. **2020**, 89-100
- 282 The ecophysiology of responding to change in polar marine benthos. **2020**, 184-217

281	The Southern Ocean: an extreme environment or just home of unique ecosystems?. <b>2020</b> , 218-233	0
280	Metabolic and taxonomic diversity in antarctic subglacial environments. <b>2020</b> , 279-296	2
279	Analytical astrobiology: the search for life signatures and the remote detection of biomarkers through their Raman spectral interrogation. <b>2020</b> , 301-318	1
278	Adaptation/acclimatisation mechanisms of oxyphototrophic microorganisms and their relevance to astrobiology. <b>2020</b> , 319-342	
277	Life at the extremes. <b>2020</b> , 343-354	
276	Microorganisms in cryoturbated organic matter of Arctic permafrost soils. <b>2020</b> , 234-250	
275	Index. <b>2020</b> , 355-364	
274	Plate Section (PDF Only). <b>2020</b> , 365-380	
273	Effects of ammonia exposure on antioxidant function, immune response and NF- $\kappa$ B pathway in Chinese Strip-necked Turtle ( <i>Mauremys sinensis</i> ). <b>2020</b> , 229, 105621	5
272	Identification and characterization of long noncoding RNAs provide insight into the regulation of gene expression in response to heat stress in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <b>2020</b> , 36, 100707	6
271	Heat stress activates YAP/TAZ to induce the heat shock transcriptome. <b>2020</b> , 22, 1447-1459	19
270	Induction of heat shock protein 70 gene expression in early life stages of the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> (De Man, 1879) (Decapoda, Palaemonidae). <b>2020</b> , 93, 199-213	
269	Thermal Control of Engineered T-cells. <b>2020</b> , 9, 1941-1950	13
268	Slowed Progression of Age-Related Geographic Atrophy Following Subthreshold Laser. <b>2020</b> , 14, 2983-2993	4
267	Restoring ancestral phenotypes is a general pattern in gene expression evolution during adaptation to new environments in <i>Tribolium castaneum</i> . <b>2020</b> , 29, 3938-3953	8
266	Heat Shock Proteins and Pain. <b>2020</b> , 211-235	1
265	Extreme hyperthermia tolerance in the world's most abundant wild bird. <b>2020</b> , 10, 13098	12
264	Identification of Quantitative Trait Loci Controlling High-Temperature Tolerance in Cucumber ( <i>L.</i> ) Seedlings. <b>2020</b> , 9,	7

263	The Role of Heat Shock Proteins in Reproductive Functions. <b>2020</b> , 407	1
262	Targeted Imaging Agent to HSP70 Induced In Vivo. <b>2020</b> , 19, 1536012120942685	
261	Heat Shock Proteins 70 in Cellular Stress: Fight or Flight. <b>2020</b> , 429	
260	The Resistance of to Oxidative, Genotoxic, Proteotoxic, Osmotic Stress, Infection, and Starvation Depends on Age According to the Stress Factor. <b>2020</b> , 9,	1
259	Genomic Identification, Evolution and Sequence Analysis of the Heat-Shock Protein Gene Family in Buffalo. <b>2020</b> , 11,	13
258	A Potential Bioelectromagnetic Method to Slow Down the Progression and Prevent the Development of Ultimate Pulmonary Fibrosis by COVID-19. <b>2020</b> , 11, 556335	
257	Advances in understanding the impacts of global warming on marine fishes farmed offshore: Sparus aurata as a case study. <b>2021</b> , 98, 1509-1523	4
256	Gene expression of the heat stress response in bovine peripheral white blood cells and milk somatic cells in vivo. <b>2020</b> , 10, 19181	8
255	SNP discovery and population structure analysis in Lassi and Marecha camel breeds using a genotyping by sequencing method. <b>2020</b> , 51, 620-623	0
254	Comparison of Subthreshold 577 and 810 nm Micropulse Laser Effects on Heat-Shock Protein Activation Kinetics: Implications for Treatment Efficacy and Safety. <b>2020</b> , 9, 23	9
253	Subthreshold Diode Micropulse Laser (SDM) for Persistent Macular Thickening and Limited Visual Acuity After Epiretinal Membrane Peeling. <b>2020</b> , 14, 1177-1188	1
252	Comparative Transcriptome and Proteome Analysis of Heat Acclimation in Predatory Mite. <b>2020</b> , 11, 426	3
251	Proteome characterization of Paracoccidioides lutzii conidia by using nanoUPLC-MS. <b>2020</b> , 124, 766-780	2
250	The Evolving Treatment of Diabetic Retinopathy. <b>2020</b> , 14, 653-678	58
249	What's Genetic Variation Got to Do with It? Starvation-Induced Self-Fertilization Enhances Survival in Paramecium. <b>2020</b> , 12, 626-638	5
248	The ghost of temperature past: interactive effects of previous and current thermal conditions on gene expression in. <b>2020</b> , 223,	4
247	Physiological Responses and Resilience of Plants to Climate Change. <b>2020</b> , 3-20	4
246	Effects of thermal manipulation of eggs on the response of jejunal mucosae to posthatch chronic heat stress in broiler chickens. <b>2020</b> , 99, 2727-2735	4

245	Summer season induced changes in quantitative expression patterns of different heat shock response genes in Salem black goats. <b>2020</b> , 52, 2725-2730	4
244	Transcriptome analysis of <i>Liriomyza trifolii</i> (Diptera: Agromyzidae) in response to temperature stress. <b>2020</b> , 34, 100677	6
243	SUMO and cellular adaptive mechanisms. <b>2020</b> , 52, 931-939	6
242	Correlation between intermediary metabolism, gene expression, and oxidative stress-related proteins in long-term thermal-stressed. <b>2020</b> , 319, R264-R281	9
241	The effects of organophosphates in the early stages of human skeletal muscle regeneration. <b>2020</b> , 829-841	0
240	Heat related mortality in the two largest Belgian urban areas: A time series analysis. <b>2020</b> , 188, 109848	6
239	Effects of heat stress on ovarian development and the expression of HSP genes in mice. <b>2020</b> , 89, 102532	6
238	Heat Induces Oxidative Stress: Reproductive Organ Weights and Serum Metabolite Profile, Testes Structure, and Function Impairment in Male Cavy (). <b>2020</b> , 7, 37	8
237	Genome-wide expression analysis of the heat stress response in dermal fibroblasts of Tharparkar (zebu) and Karan-Fries (zebu $\times$ aurine) cattle. <b>2020</b> , 25, 327-344	3
236	Physiological stress does not increase with urbanization in European blackbirds: Evidence from hormonal, immunological and cellular indicators. <b>2020</b> , 721, 137332	5
235	Could Heat Therapy Be an Effective Treatment for Alzheimer's and Parkinson's Diseases? A Narrative Review. <b>2019</b> , 10, 1556	17
234	Environments, resources, and health. <b>2020</b> , 333-374	
233	Comparative transcriptome analysis of differentially expressed genes in <i>Bradysia odoriphaga</i> Yang et Zhang (Diptera: Sciaridae) at different acute stress temperatures. <b>2020</b> , 112, 3739-3750	3
232	Antibodies to Heat Shock Proteins 90 $\alpha$ and 90 $\beta$ in Psoriasis. <b>2020</b> , 68, 9	2
231	Role of Osmolytes in Amyloidosis. <b>2020</b> ,	0
230	Energetic, antioxidant, inflammatory and cell death responses in the red muscle of thermally stressed <i>Sparus aurata</i> . <b>2020</b> , 190, 403-418	10
229	A Hot Water Extract of <i>Sideritis scardica</i> Prolongs Life Span and Enhances Heat Shock Resistance in <i>Caenorhabditis elegans</i> . <b>2020</b> , 15, 1934578X2091728	1
228	Effects of temperature on the respiratory metabolism, feeding and expression of three heat shock protein genes in <i>Anadara broughtonii</i> . <b>2021</b> , 39, 755-769	1

227	Thermal stress-induced oxidative damages in the liver and associated death in fish, <i>Labeo rohita</i> . <b>2021</b> , 47, 21-32	1
226	Set of stress biomarkers as a practical tool in the assessment of multistress effect using honeybees from urban and rural areas as a model organism: a pilot study. <b>2021</b> , 28, 9084-9096	5
225	Exercise is neuroprotective on the morphology of somatic motoneurons following the death of neighboring motoneurons via androgen action at the target muscle. <b>2021</b> , 81, 22-35	0
224	Expression profile of heat shock protein 70 in lymphoid organs of <i>Penaeus monodon</i> in response to white spot syndrome virus infection. <b>2021</b> , 52, 1316-1320	
223	In Silico Analysis of HSP70 Gene Family in Bovine Genome. <b>2021</b> , 59, 134-158	0
222	Mouse liver is more resistant than skeletal muscle to heat-induced apoptosis. <b>2021</b> , 26, 275-281	2
221	Multidimensional Impact of Climate Change on Human Reproduction and Fertility. <b>2021</b> , 278-315	
220	Validation of exercise-response genes in skeletal muscle cells of Thoroughbred racing horses. <b>2021</b> , 34, 134-142	1
219	Genomic Variation, Evolvability, and the Paradox of Mental Illness. <b>2020</b> , 11, 593233	0
218	Factors Influencing Livestock Way of Life. <b>2021</b> , 117-136	
217	Polymorphism scanning of HSP90AB1 gene in local Friesian Holstein as molecular marker for heat stress resistance. <b>2021</b> , 306, 05016	
216	Effects of in ovo injection of microalgae on hatchability, antioxidant and immunity-related genes expression, and post-hatch performance in broilers and Japanese quails. <b>2021</b> , 20, 985-994	2
215	Adipose Tissue Gene Expression of Entire Male, Immunocastrated and Surgically Castrated Pigs. <b>2021</b> , 22,	3
214	Alanine Supplementation Attenuates the Neurophysiological Response in Animals Exposed to an Acute Heat Stress. <b>2021</b> , 1-16	1
213	Heat Shock Proteins in Lymphoma Immunotherapy. <b>2021</b> , 12, 660085	7
212	Effects of evaporative cooling and dietary zinc source on heat shock responses and mammary gland development in lactating dairy cows during summer. <b>2021</b> , 104, 5021-5033	1
211	Cloning and differential expression of three heat shock protein genes associated with thermal stress from the wolf spider <i>Pardosa pseudoannulata</i> (Araneae: Lycosidae). <b>2021</b> , 24, 158-166	0
210	Daily rhythms in the transcriptomes of the human parasite <i>Schistosoma mansoni</i> .	1

209	The Effects of Localized Heat on the Hallmarks of Cancer. <b>2021</b> , 4, 2000267	3
208	Autism risk gene KMT5B deficiency in prefrontal cortex induces synaptic dysfunction and social deficits via alterations of DNA repair and gene transcription. <b>2021</b> , 46, 1617-1626	5
207	Prospecting Biomarkers for Diagnostic and Therapeutic Approaches in Pythiosis. <b>2021</b> , 7,	1
206	Proteomic responses of the coccolithophore <i>Emiliana huxleyi</i> to zinc limitation and trace metal substitution. <b>2021</b> ,	3
205	Selenium exerts protective effects against heat stress-induced barrier disruption and inflammation response in jejunum of growing pigs. <b>2022</b> , 102, 496-504	4
204	Seeds: A Potential Natural Immune Modulator Source for Broiler Reared under Chronic Heat Stress. <b>2021</b> , 11,	5
203	Identification of key Genes and Pathways Associated With Thermal Stress in Peripheral Blood Mononuclear Cells of Holstein Dairy Cattle. <b>2021</b> , 12, 662080	2
202	O-GlcNAc / Akt pathway regulates glucose metabolism and reduces apoptosis in liver of piglets with acute cold stress. <b>2021</b> , 100, 125-132	5
201	Short-term capture stress and its effects on corticosterone levels and heat shock proteins in captive American Alligators ( <i>Alligator mississippiensis</i> ). <b>2021</b> , 99, 665-671	0
200	Thermal tolerance, metabolic scope and performance of meagre, <i>Argyrosomus regius</i> , reared under high water temperatures. <b>2021</b> , 100, 103063	1
199	Inclusion of <i>Citrullus colocynthis</i> Seed Extract into Diets Induced a Hypolipidemic Effect and Improved Layer Performance. <b>2021</b> , 11, 808	0
198	The multilevel responses of <i>Acipenser baerii</i> and its hybrids ( <i>A. baerii</i> × <i>A. schrenckii</i> ?) to chronic heat stress. <b>2021</b> , 541, 736773	5
197	In silico Analysis of Post Translational Modifications on the EhHSTF7 factor in <i>Entamoeba histolytica</i> . <b>2021</b> ,	
196	Identification of Selenoprotein H Isoforms and Impact of Selenoprotein H Overexpression on Protein But Not mRNA Levels of 2 Other Selenoproteins in 293T Cells. <b>2021</b> , 151, 3329-3338	
195	Natural killer cell-based immunotherapy for lung cancer: Challenges and perspectives (Review). <b>2021</b> , 46,	0
194	Mathematical modeling and analysis of the heat shock protein response during thermal stress in fish and HeLa cells. <b>2021</b> , 108692	
193	A standardized extract of <i>Asparagus officinalis</i> stem improves HSP70-mediated redox balance and cell functions in bovine cumulus-granulosa cells. <b>2021</b> , 11, 18175	0
192	Physiological responses (Hsps 60 and 32, caspase 3, HO scavenging, and photosynthetic activity) of the coral <i>Pocillopora damicornis</i> under thermal and high nitrate stresses. <b>2021</b> , 171, 112737	1

191	Freshwater mussels (Unionidae) brought into captivity exhibit up-regulation of genes involved in stress and energy metabolism. <b>2021</b> , 11, 2241	0
190	A Bioelectromagnetic Proposal Approaching the Complex Challenges of COVID-19. <b>2021</b> , 11, 1-67	1
189	Biochemical Brain Markers in Excited Delirium Deaths. <b>2009</b> , 365-377	5
188	Stress responses during ageing: molecular pathways regulating protein homeostasis. <b>2015</b> , 1292, 215-34	6
187	Climate Change and Great Salt Lake. <b>2020</b> , 23-52	6
186	Role of Heat Shock Proteins (HSPs) and Heat Stress Tolerance in Crop Plants. <b>2020</b> , 211-234	15
185	Genes Involved in the Thermal Tolerance of Livestock. <b>2012</b> , 379-410	6
184	In Vivo Tissue Source and Releasing Signal for Endogenous Extracellular Hsp72. <b>2010</b> , 193-215	3
183	72 kDa Extracellular Heat Shock Protein (eHsp72), Norepinephrine (NE), and the Innate Immune Response Following Moderate Exercise. <b>2010</b> , 327-350	8
182	Biochemical Changes in Response to Intensive Resistance Exercise Training in the Elderly. <b>2010</b> , 365-385	2
181	Adaptive Mechanisms of Sheep to Climate Change. <b>2017</b> , 117-147	2
180	Model of Chaperones in Aging. <b>2006</b> , 553-561	4
179	Effects of aerial exposure on oxidative stress, antioxidant and non-specific immune responses of juvenile sea cucumber <i>Apostichopus japonicus</i> under low temperature. <b>2020</b> , 101, 58-65	7
178	Early life thermal stress: impacts on future temperature preference in weaned pigs (3 to 15 kg). <b>2020</b> , 98,	2
177	Habitual low-intensity exercise does not protect against myocardial dysfunction after ischemia in rats. <b>2005</b> , 12, 169-174	20
176	Post-ejaculation thermal stress causes changes to the RNA profile of sperm in an external fertilizer. <b>2020</b> , 287, 20202147	6
175	Widespread transcriptional responses to the thermal stresses are prewired in human 3D genome.	2
174	HSC70 is a chaperone for wild-type and mutant cardiac myosin binding protein C. <b>2018</b> , 3,	17

173	Heat shock protein 70 (HmHsp70) from <i>Hypsizygus marmoreus</i> confers thermotolerance to tobacco. <b>2020</b> , 10, 12	5
172	Computational genome-wide identification of heat shock protein genes in the bovine genome. <b>2018</b> , 7, 1504	7
171	Proteome-wide analysis of functional divergence in bacteria: exploring a host of ecological adaptations. <b>2012</b> , 7, e35659	12
170	Human mesenchymal stem cell expression program upon extended ex-vivo cultivation, as revealed by 2-DE-based quantitative proteomics. <b>2012</b> , 7, e43523	43
169	Alkannin, HSP70 inducer, protects against UVB-induced apoptosis in human keratinocytes. <b>2012</b> , 7, e47903	16
168	An exploration of heat tolerance in mice utilizing mRNA and microRNA expression analysis. <b>2013</b> , 8, e72258	29
167	Membrane labeling of coral gastrodermal cells by biotinylation: the proteomic identification of surface proteins involving cnidaria-dinoflagellate endosymbiosis. <b>2014</b> , 9, e85119	5
166	Characterization of small HSPs from <i>Anemonia viridis</i> reveals insights into molecular evolution of alpha crystallin genes among cnidarians. <b>2014</b> , 9, e105908	12
165	Transcriptome analysis of neonatal larvae after hyperthermia-induced seizures in the contractile silkworm, <i>Bombyx mori</i> . <b>2014</b> , 9, e113214	5
164	Role of Subunit Exchange and Electrostatic Interactions on the Chaperone Activity of <i>Mycobacterium leprae</i> HSP18. <b>2015</b> , 10, e0129734	9
163	Glucose ingestion attenuates the exercise-induced increase in circulating heat shock protein 72 and heat shock protein 60 in humans. <b>2004</b> , 9, 390-6	67
162	Interplay of vitamin D with T regulatory cells (FOXP3+Treg) and thymic stromal lymphopoietin (TSLP) in children with atopic diseases. <b>2018</b> , 6,	1
161	Boosting the effects of hyperthermia-based anticancer treatments by HSP90 inhibition. <b>2017</b> , 8, 97490-97503	14
160	The effect of exercise in cool, control and hot environments on cardioprotective HSP70 induction. <b>2004</b> , 23, 225-30	13
159	Hyperthermia: from diagnostic and treatments to new discoveries. <b>2012</b> , 6, 172-83	3
158	The effect of chronic, mild heat stress on metabolic changes of nutrition and adaptations in rumen papillae of lactating dairy cows. <b>2020</b> , 103, 8601-8614	9
157	Development of molecular resources for the Chinese horseshoe crab <i>Tachypleus tridentatus</i> . <b>2015</b> , 24, 17-24	1
156	Interaction of heat shock protein 60 (HSP60) with microRNA in Chinese mitten crab during <i>Spiroplasma eriocheiris</i> infection. <b>2017</b> , 125, 207-215	2



155	The effect of repeated whole-body cryostimulation on the HSP-70 and lipid metabolisms in healthy subjects. <b>2019</b> , 68, 419-429		3
154	<b>2008</b> , 178, 243		7
153	Heat shock protein 90 relieves heat stress damage of myocardial cells by regulating Akt and PKM2 signaling in vivo. <b>2020</b> , 45, 1888-1908		1
152	In vitro and in vivo Evaluation of Individually Compost Fungi for Potato Fusarium Dry Rot Biocontrol. <b>2006</b> , 6, 572-580		5
151	Fluorescence Imaging of Mitochondrial Long-Term Depolarization in Cancer Cells Exposed to Heat-Stress. <b>2009</b> , 673-692		2
150	Effects of Black Garlic Supplementation and Exercise on TBARS, HSP 70 and COX-2 Expression after High-intensity Exercise. <b>2012</b> , 22, 772-777		4
149	Proteomic changes in the grains of foxtail millet ( <i>Setaria italica</i> (L.) Beau) under drought stress. <b>2019</b> , 17, e0802		5
148	The Effects of Dietary Supplementation of Vitamin C or E on the Expressions of Endoplasmic Reticulum Stress, Lipid and Glucose Metabolism Associated Genes in Broiler Chickens. <b>2013</b> , 40, 147-155		2
147	Analysis of Stress Response of Domestic Chicken Breeds for the Development of a New Synthetic Parent Stock. <b>2015</b> , 42, 157-167		8
146	Skeletal muscle fiber plasticity: Heat shock proteins and satellite cell activation. <b>2012</b> , 1, 473-478		1
145	Identification of SNPs potentially related to immune responses and growth performance in by RNA-seq analyses. <i>PeerJ</i> , <b>2018</b> , 6, e5154	3.1	8
144	Genome-wide identification and characterization of heat shock protein family 70 provides insight into its divergent functions on immune response and development of. <i>PeerJ</i> , <b>2019</b> , 7, e7781	3.1	10
143	References. <b>2005</b> , 295-328		
142	Pathophysiology of Heat-Related Illnesses. <b>2007</b> , 228-268		1
141	Thermal Stress. <b>2007</b> , 723-726		
140	Electromagnetic Therapy. <b>2007</b> , 199-220		
139	Endogenous Cytoprotective Mechanisms. <b>2009</b> , 1-9		
138	Effects of Exercise on Hsp70 Knock-out Mice Fetuses Exposed to Maternal Hyperthermia. <b>2008</b> , 19, 34-43		1

- 137 Heat Shock Proteins Are Mediators of Bacterial-Host Interactions. **2009**, 185-209
- 136 Expression of **B**-crystallin, HSP 27, HSP 70 and muscle damage factors in rat skeletal muscle following acute endurance exercise and recovery. **2009**, 18, 285-294
- 135 Transcriptional Mediators of Cellular Hormesis. **2010**, 69-93 1
- 134 HSP, Exercise, and Antioxidants. **2010**, 243-252
- 133 Expression of **B**-crystallin, HSP 27, HSP 70 and Cytochrome c in rat skeletal muscle following acute exercise between training and nontraining group. **2009**, 18, 455-466
- 132 The Effect of Troglitazone on Thermal Sensitivity in Uterine Cervix Cancer Cells. **2010**, 28, 91
- 131 Polymorphonuclear Neutrophils and Tumors: Friend or Foe?. **2014**, 123-141 2
- 130 Thermal disorders. **2014**, 829-843.e3
- 129 Comparison of Stress Response between Korean Native Chickens and Single Comb White Leghorns subjected to a High Stocking Density. **2014**, 41, 115-125 9
- 128 Ethanol Extract of *Ulmus pumila* Ameliorates Heat Stress through the Induction of Heat Shock Proteins Expression in RAW264.7 Macrophage Cells. **2014**, 20, 147-154
- 127 Sport und Medikation. **2015**, 237-249
- 126 Sport und Medikation. **2016**, 383-395
- 125 Sport und Medikation. **2016**, 317-329
- 124 Comparison of Stress Response in Diallel Crossed Korean Domestic Chicken Breeds. **2016**, 43, 77-88 5
- 123 The Expression of Hsp70 and GST Genes in *Mytilus coruscus* during Air Exposure and Starvation. **2016**, 32, 73-81 1
- 122 The Relationship of the Expressions of Stress-related Markers and Their Production Performances in Korean Domestic Chicken Breed. **2016**, 43, 177-189 1
- 121 Participation of AMPK in the Control of Skeletal Muscle Mass. **2017**, 251-275 0
- 120 New insight into potential role of inflammatory factors in the pathogenesis of vitiligo. **2018**, 6,

- 119 Heat Shock Protein 70 and Other Heat Shock Proteins in Diseased Retina. **2018**, 273-287
- 118 Experimental Basis for the Use of Hyperthermia in Oncology. **2018**, 63, 57-77 2
- 117 Protective Effects of Quercetin on Selenium-Induced Cataracts via Modulation of Heat Shock Protein 70 Expression. **2018**, 14, 913-921
- 116 Modeling and simulation of nichrome microheater on polycarbonate substrate. **2018**, 0
- 115 The Regulatory Function of the Molecular Chaperone Hsp90 in the Cell Wall Integrity of Pathogenic Fungi. **2018**, 16, 44-53
- 114 Heat Shock Protein 60 (HSP60): Role in Skeletal Muscle Diseases and Novel Prospects for Therapy. **2019**, 277-293
- 113 Effect of herbal antioxidant-rich formula on improvement of antioxidant defense system and heat shock protein-70 expression in recreational female athletes: A randomized controlled trial. **2019**, 24, 37
- 112 Role of HSP in the Treatment of Internal Diseases. **2019**, 273-303 0
- 111 Restoring ancestral phenotypes by reduction of plasticity is a general pattern in gene expression during adaptation to different stressors in *Tribolium castaneum*. 0
- 110 Sous-vided Restructured Goat Steaks: Process Optimized by Thermal Inactivation of and Their Quality Characteristics. **2019**, 39, 863-876 0
- 109 HIKESHI silencing can enhance mild hyperthermia sensitivity in human oral squamous cell carcinoma HSC-3 cells. **2020**, 46, 58-66 5
- 108 Stress Evaluation to Heavy Metal Exposure using Molecular Marker in *Chironomus riparius*.. **2020**, 53, 165-172 1
- 107 Arginine addition in a diet for weaning pigs can improve the growth performance under heat stress. **2020**, 62, 460-467 0
- 106 Dual cooperation between HSP70 and the 26S proteasome in co-translational protein quality control.
- 105 Gene expression and functional analysis of different heat shock protein (HSPs) in *Ruditapes philippinarum* under BaP stress. **2022**, 251, 109194 1
- 104 Investigation into the Physiological State of Heat Stressed *Escherichia coli* Used in the Evaluation Testing of an Intrinsic Fluorescence-Based RMM. **2020**, 25, 91-105
- 103 Laser for Prevention of Choroidal Neovascularization. **2020**, 401-423 2
- 102 Thermal Control of T-cell Immunotherapy.

- 101 Dietary protein defines stress resistance, oxidative damages and antioxidant defense system in *Drosophila melanogaster*. **2021**, 93, 90-101 1
- 100 Concurrent changes in thermal tolerance thresholds and cellular heat stress response reveals novel molecular signatures and markers of high temperature acclimation in rainbow trout. **2021**, 102, 103124 1
- 99 Molekulare Toxikologie. **2006**, 153-259
- 98 Life in Extreme Environments: Insights in Biological Capability. **2020**,
- 97 Long-Term Effect of Aspartame on Male Reproductive System: Evidence for Testicular Histomorphometrics, Hsp70-2 Protein Expression and Biochemical Status. **2020**, 14, 91-101 0
- 96 Environmental factors modulating protein conformations and their role in protein aggregation diseases. **2021**, 465, 153049 1
- 95 Multidimensional Impact of Climate Change on Human Reproduction and Fertility. **2022**, 1672-1709
- 94 Effects of temperature on muscle growth and collagen deposition in zebrafish (*Danio rerio*). **2022**, 22, 100952 0
- 93 Harnessing shear stress preconditioning to improve cell viability in 3D post-printed biostructures using extrusion bioprinting. **2022**, 25, e00184 0
- 92 -miRNA1 Contributes to Lignocellulase Secretion under Heat Stress by Regulating the Lectin-Type Cargo Receptor Gene in NJAU 4742.. **2021**, 7,
- 91 Daily rhythms in gene expression of the human parasite *Schistosoma mansoni*. **2021**, 19, 255 2
- 90 Circulating levels of acute-phase proteins, heat shock protein 70, and corticosterone in the serum of developing chick embryos and newly hatched broiler chicks. **2021**, 20, 1664-1670 0
- 89 17-(Allylamino)-17-demethoxygeldanamycin treatment induces the accumulation of heat shock proteins and alleviates senescence in broccoli. **2022**, 186, 111818 0
- 88 Traditional Chinese Medicine Targeting Heat Shock Proteins as Therapeutic Strategy for Heart Failure.. **2021**, 12, 814243
- 87 Understanding heat stress response in dairy animals: an overview. **2022**, 393-404
- 86 Tumor necrosis factor- $\beta$  decoy receptor-3, ficolin-2, presepsin and heat shock protein 70 in pleural effusions. **2022**, 60, 0
- 85 Effects of Heat Stress on the Ruminal Epithelial Barrier of Dairy Cows Revealed by Micromorphological Observation and Transcriptomic Analysis.. **2021**, 12, 768209 0
- 84 Immunological and Metabolic Alterations in Esophageal Cancer.. **2022**,

- 83 Thermal acclimation alters both basal heat shock protein gene expression and the heat shock response in juvenile lake whitefish (*Coregonus clupeaformis*).. **2022**, 104, 103185 0
- 82 A Review of Heat Shock Proteins Research on *Bemisia tabaci*. **2022**, 13, 393-403
- 81 Heat shock proteins and the calcineurin-crz1 signaling regulate stress responses in fungi.. **2022**, 204, 240 0
- 80 Heat Therapy Can Improve Hepatic Mitochondrial Function and Glucose Control.. **2022**,
- 79 The effect of heat stress on the cellular behavior, intracellular signaling profile of porcine growth hormone (pGH) in swine testicular cells.. **2022**, 1
- 78 The Concentration of Selected Inflammatory Cytokines (IL-6, IL-8, CXCL5, IL-33) and Damage-Associated Molecular Patterns (HMGB-1, HSP-70) Released in an Early Response to Distal Forearm Fracture and the Performed Closed Reduction With Kirschner Wire Fixation in Children.. **2021**, 13, 719-727
- 77 Cell cycle arrest explained the observed bulk 3D genomic alterations in response to long term heat shock for mammalian cells.
- 76 Evaluation of Some Male and Female Rats' Reproductive Hormones Following Administration of Aspartame With or Without Vitamin C or E. **2021**, 45, 14-20
- 75 Image\_1.TIF. **2020**,
- 74 Table\_1.DOCX. **2020**,
- 73 Table\_2.DOCX. **2020**,
- 72 Table\_3.DOCX. **2020**,
- 71 Table\_4.DOCX. **2020**,
- 70 Table\_5.DOCX. **2020**,
- 69 Table\_6.DOCX. **2020**,
- 68 Table\_7.DOCX. **2020**,
- 67 Table\_8.DOCX. **2020**,
- 66 Carry-over effects of dry period heat stress on the mammary gland proteome and phosphoproteome in the subsequent lactation of dairy cows.. **2022**, 12, 6637 1

- 65 Detection of heat-shock protein 70 in cow's milk using ELISA. **2022**,
- 64 The Heat Shock Connection: Skeletal Muscle Hypertrophy and Atrophy.. **2022**, 2
- 63 Comparative transcriptomic analysis unveils a network of energy reallocation in *Litopenaeus vannamei* responsive to heat-stress.. **2022**, 238, 113600 0
- 62 Application of proteomics and metabolomics to assess ammonia stress response and tolerance mechanisms of juvenile ornate rock lobster *Panulirus ornatus*.. **2022**, 837, 155751 0
- 61 Inhalative as well as Intravenous Administration of H<sub>2</sub>S Provides Neuroprotection after Ischemia and Reperfusion Injury in the Rats' Retina. **2022**, 23, 5519 0
- 60 Adverse Effects of High Temperature On Mammary Alveolar Development In Vitro.. **2022**, 1
- 59 Transcriptome Reveals the Mechanism of Immunity in the Low Salinity Stress of the Chinese Shrimp (*Fenneropenaeus chinensis*).
- 58 Transcriptome analysis reveals fluid shear stress (FSS) and atherosclerosis pathway as a candidate molecular mechanism of short-term low salinity stress tolerance in abalone. **2022**, 23,
- 57 Maternal cypermethrin exposure during perinatal period dysregulates gonadal steroidogenesis, gametogenesis and sperm epigenome in F1 rat offspring. **2022**, 1
- 56 Forcing the Antitumor Effects of HSPs Using a Modulated Electric Field. **2022**, 11, 1838 2
- 55 Diabetic retinopathy: An overview of treatments. **2022**, 26, 111 0
- 54 Association of selected gene polymorphisms with thermotolerance traits in cattle [A review].
- 53 Contribution of prenatal exposure to ambient temperature extremes and severe maternal morbidity: A retrospective Southern birth cohort.
- 52 Transcriptomic response in thermally challenged seahorses *Hippocampus erectus*: The effect of magnitude and rate of temperature change. **2022**, 262, 110771 0
- 51 Understanding Abiotic Stress Tolerance in Plants by Proteomic Approach. **2022**, 257-277
- 50 Characterization of thermo-physiological, hematological, and molecular changes in response to seasonal variations in two tropically adapted native cattle breeds of *Bos indicus* lineage in hot arid ambience of Thar Desert. 0
- 49 Gene *ssa-miR-301a-3p* improves rainbow trout (*Oncorhynchus mykiss*) resistance to heat stress by targeting *hsp90b2*. *PeerJ*, 10, e13476 3.1
- 48 Cell cycle arrest explains the observed bulk 3D genomic alterations in response to long-term heat shock in K562 cells. *Genome Research*, 9.7

47	Genome-wide identification and characterization of the HSP gene superfamily in apple snails (Gastropoda: Ampullariidae) and expression analysis under temperature stress.	
46	Firefighter Personnel and Their Activities in Extreme Environments. <b>2022</b> , 235-267	
45	RNA-seq Provides Novel Insights into Response to Acute Salinity Stress in Oriental River Prawn <i>Macrobrachium nipponense</i> . <b>2022</b> , 24, 820-829	1
44	Transcriptomic Analysis of the Liver and Brain in Grass Carp ( <i>Ctenopharyngodon idella</i> ) Under Heat Stress.	2
43	Selenium nanoparticles and omega-3 fatty acid enhanced thermal tolerance in fish against arsenic and high temperature. <b>2022</b> , 261, 109447	
42	The diversity and ecology of Symbiodiniaceae: A traits-based review. <b>2022</b> , 55-127	0
41	Heat Shock Proteins: Catalytic Chaperones Involved in Modulating Thermotolerance in Plants. <b>2022</b> , 181-194	0
40	Transcriptome analysis provides insight into adaptive mechanisms of scallops under environmental stress. 9,	1
39	Inhibition of Hsp90 during in vitro maturation under thermoneutral or heat shock conditions compromises the developmental competence of bovine oocytes. 1-9	0
38	Septic cardiomyopathy: characteristics, evaluation, and mechanism. <b>2022</b> , 2, 135-147	0
37	Techniques against Distinct Abiotic Stress of Rice.	0
36	Molecular regulation, breed differences and genes involved in stress control in farm animals. <b>2022</b> , 106769	0
35	Three Heat Shock Protein Genes and Antioxidant Enzymes Protect <i>Pardosa pseudoannulata</i> (Araneae: Lycosidae) from High Temperature Stress. <b>2022</b> , 23, 12821	0
34	Quercetin Inhibits Hsp70 Blocking of Bovine Viral Diarrhea Virus Infection and Replication in the Early Stage of Virus Infection. <b>2022</b> , 14, 2365	1
33	Differential expression and regulation of HSP70 gene during growth phase in ruminants in response to heat stress. <b>2022</b> , 12,	1
32	The effect of water shower spray on stress physiology and mortality in broiler chickens subjected to road transportation under the hot and humid tropical condition. <b>2022</b> , 54,	0
31	Comparative proteome analysis reveals possible heterosis for growth, immunity and antioxidation mechanisms in <i>Macrobrachium nipponense</i> hybrid offspring and parent populations.	0
30	Genome-wide identification and characterization of the HSP gene superfamily in apple snails (Gastropoda: Ampullariidae) and expression analysis under temperature stress. <b>2022</b> ,	0

- 29 Genetic polymorphism in HSPB6 gene and their association with heat tolerance in Sahiwal cattle. **2022**, 92, 0
- 28 Heat Shock Proteins (Hsps) in Cellular Homeostasis: A Promising Tool for Health Management in Crustacean Aquaculture. **2022**, 12, 1777 2
- 27 Mucilage-induced necrosis reveals cellular oxidative stress in the Mediterranean gorgonian *Paramuricea clavata*. **2022**, 151839 0
- 26 HSF1 and Its Role in Huntington's Disease Pathology. **2022**, 0
- 25 Integrative proteomics and metabolomics reveal the stress response of semicarbazide in the sea cucumber *Apostichopus japonicus*. 9, 0
- 24 Prospects of thermotolerant *Kluyveromyces marxianus* for high solids ethanol fermentation of lignocellulosic biomass. **2022**, 15, 0
- 23 The effects of temperature stress and population origin on the thermal sensitivity of *Lymantria dispar* L. (Lepidoptera: Erebidae) larvae. **2022**, 12, 0
- 22 Prenatal auditory stimulation induces physiological stress responses in developing embryos and newly hatched chicks. **2022**, 102390 0
- 21 The effects of heat stress in Jersey, Hungarian Simmental and Holstein-Friesian cows. **2022**, 0
- 20 Molecular, Physiological and Hematological Responses of Crossbred Dairy Cattle in a Tropical Savanna Climate. **2023**, 12, 26 1
- 19 Heat stress tolerance in peas (*Pisum sativum* L.): Current status and way forward. 13, 0
- 18 Heat Shock Protein Response to Stress in Poultry: A Review. **2023**, 13, 317 0
- 17 The Role of Heat Shock Proteins in the Pathogenesis of Polycystic Ovarian Syndrome: A Review of the Literature. **2023**, 24, 1838 0
- 16 Prolonged heat waves reduce the condition index and alter the molecular parameters in the pacific oyster *Crassostrea gigas*. **2023**, 133, 108518 0
- 15 Analysis of Potential Genes and Economic Parameters Associated with Growth and Heat Tolerance in Sheep (*Ovis aries*). **2023**, 13, 353 0
- 14 Effects of melittin on production performance, antioxidant function, immune function, heat shock protein, intestinal morphology, and cecal microbiota in heat-stressed quails. **2023**, 102713 0
- 13 Relationship of Muscle Apolipoprotein E Expression with Markers of Cellular Stress, Metabolism, and Blood Biomarkers in Cognitively Healthy and Impaired Older Adults. **2023**, 92, 1027-1035 0
- 12 Comparative analysis of whole blood transcriptomics between European and local Caribbean pigs in response to feed restriction in a tropical climate. 0



- 11 Shear stress induces monocyte/macrophage-mediated inflammation by upregulating cell-surface expression of heat shock proteins. **2023**, 161, 114566
- 10 Morpho-functional changes of lungfish *Protopterus dolloi* skin in the shift from freshwater to aestivating conditions. **2023**, 266, 110846
- 9 ACD-containing chaperones reveal the divergent thermo-tolerance in penaeid shrimp. **2023**, 880, 163239
- 8 Screening and Analyzing of Genes and Signaling Pathways Associated with Size Differentiation of Adult Male Prawn *Macrobrachium nipponense*. **2023**, 2023, 1-16
- 7 Gene substitution effect of bovine heat shock protein beta-1 gene polymorphism on age at calving in Indian dairy cattle. **2018**, 87,
- 6 Behavioural changes in slime moulds over time. **2023**, 378,
- 5 How will climatic warming affect insect pollinators?. **2023**,
- 4 Genetic studies of heat stress regulation in goat during hot climatic condition. **2023**, 113, 103528
- 3 Hyperthermia alters neurobehavior by affecting cell proliferation and neuronal survival in young male rats.
- 2 Surviving the cold: a review of the effects of cold spells on bivalves and mitigation measures. 10,
- 1 Role of heat shock proteins in oncogenesis and strategy for treating cancers using *Drosophila* model.