

Thermotolerance and synthesis of heat shock proteins:  
Hydra attenuata but absent in Hydra oligactis.

Proceedings of the National Academy of Sciences of the United States of America  
85, 7927-7931

DOI: [10.1073/pnas.85.21.7927](https://doi.org/10.1073/pnas.85.21.7927)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Characterization of the Heat Shock Response in Cultured Sugarcane Cells. <i>Plant Physiology</i> , 1989, 90, 1156-1162.	2.3	23
2	Molecular and Cellular Biology of the Heat-Shock Response. <i>Advances in Genetics</i> , 1990, 28, 235-274.	0.8	65
3	Acquired thermotolerance and heat shock in the extremely thermophilic archaeobacterium <i>Sulfolobus</i> sp. strain B12. <i>Journal of Bacteriology</i> , 1990, 172, 1478-1484.	1.0	114
4	Tissue-specific patterns of synthesis of heat-shock proteins and thermal tolerance of the fathead minnow ( <i>Pimephales promelas</i> ). <i>Canadian Journal of Zoology</i> , 1991, 69, 2021-2027.	0.4	79
5	Spermatogenesis in <i>Hydra oligactis</i> . <i>Developmental Biology</i> , 1991, 146, 292-300.	0.9	39
6	Characterization of the Stress Protein Response in Two Species of <i>Collisella</i> Limpets with Different Temperature Tolerances. <i>Physiological Zoology</i> , 1991, 64, 1471-1489.	1.5	112
7	Effects of copper and tributyltin on stress protein abundance in the rotifer <i>Brachionus plicatilis</i> . <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1991, 98, 385-390.	0.2	26
8	Atmospheric CO <sub>2</sub> , plant nitrogen status and the susceptibility of plants to an acute increase in temperature. <i>Plant, Cell and Environment</i> , 1991, 14, 667-674.	2.8	61
9	The heat shock response in hydra: immunological relationship of hsp60, the major heat shock protein of <i>Hydra vulgaris</i> , to the ubiquitous hsp70 family. <i>Hydrobiologia</i> , 1991, 216-217, 513-517.	1.0	9
10	Heat shock proteins and thermoresistance in lizards.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 1666-1670.	3.3	127
11	Heat-shock response in <i>Fonsecaea pedrosoi</i> , a pathogenic fungus. <i>Canadian Journal of Microbiology</i> , 1992, 38, 1286-1291.	0.8	3
12	Cloning and expression of a heat-inducible hsp70 gene in two species of <i>Hydra</i> which differ in their stress response. <i>FEBS Journal</i> , 1992, 210, 683-691.	0.2	52
13	Synthesis and secretion of low molecular weight cuticular proteins during heat shock in the tobacco hornworm, <i>Manduca sexta</i> . <i>The Journal of Experimental Zoology</i> , 1992, 262, 374-382.	1.4	5
14	Characterization of the heat shock response in <i>Enterococcus faecalis</i> . <i>Antonie Van Leeuwenhoek</i> , 1993, 64, 47-55.	0.7	55
15	A molecular snapshot of the metazoan "Eve". <i>Trends in Biochemical Sciences</i> , 1993, 18, 459-463.	3.7	41
16	Stress Proteins in Aquatic Organisms: An Environmental Perspective. <i>Critical Reviews in Toxicology</i> , 1993, 23, 49-75.	1.9	513
17	Species- and Tissue-Specific Synthesis Patterns for Heat-Shock Proteins HSP70 and HSP90 in Several Marine Teleost Fishes. <i>Physiological Zoology</i> , 1993, 66, 863-880.	1.5	87
18	The heat shock response of an antarctic alga is evident at 5½°C. <i>Plant Molecular Biology</i> , 1994, 24, 229-233.	2.0	51

#	ARTICLE	IF	CITATIONS
19	Variation in heat-shock proteins among species of desert fishes (Poeciliidae, Poeciliopsis).. Molecular Biology and Evolution, 1994, 11, 106-19.	3.5	60
20	Effect of CO 2 laser amputation on hydra regeneration. , 1994, , .		0
21	Heat Shock Protein Induction in Montastraea faveolata and Aiptasia pallida Exposed to Elevated Temperatures. Biological Bulletin, 1995, 188, 234-240.	0.7	92
22	Heat shock response in mulberry silkworm races with different thermotolerances. Journal of Biosciences, 1995, 20, 499-513.	0.5	26
23	Developmental study of thermotolerance and the heat shock response in Lucilia cuprina (Weidemann). Journal of Biosciences, 1995, 20, 341-354.	0.5	19
24	Proteins and Temperature. Annual Review of Physiology, 1995, 57, 43-68.	5.6	718
25	Nitrogen availability alters patterns of accumulation of heat stress-induced proteins in plants. Oecologia, 1996, 105, 413-418.	0.9	101
26	Interspecific variation in thermal denaturation of proteins in the congeneric mussels Mytilus trossulus and M. galloprovincialis: evidence from the heat-shock response and protein ubiquitination. Marine Biology, 1996, 126, 65-75.	0.7	187
27	A review of acquired thermotolerance, heat-shock proteins, and molecular chaperones in archaea. FEMS Microbiology Reviews, 1996, 18, 249-258.	3.9	101
28	Temperature thresholds for protein adaptation: when does temperature start to "hurt"? , 0, , 1-24.		8
29	Adaptations of Reef Corals to Physical Environmental Stress. Advances in Marine Biology, 1997, 31, 221-299.	0.7	123
31	Heat-Shock Protein Expression in Mytilus californianus: Acclimatization (Seasonal and Tidal-Height) Tj ETQq1 1 0.784314 rgBT / Overlock	0.7	222
32	High temperature induces the synthesis of heat-shock proteins and the elevation of intracellular calcium in the coral Acropora grandis. Coral Reefs, 1997, 16, 127-131.	0.9	104
33	Stress proteins HSP60 and HSP70 in three species of amphipods exposed to cadmium, diazinon, dieldrin and fluoranthene. Environmental Toxicology and Chemistry, 1997, 16, 2393-2403.	2.2	74
34	Heat shock protein expression in fish. Reviews in Fish Biology and Fisheries, 1998, 8, 35-56.	2.4	492
35	Heat- and cold-shock responses and temperature adaptations in subtropical and temperate species of Drosophila. Journal of Insect Physiology, 1998, 44, 1233-1239.	0.9	120
36	Seasonal changes in stress-70 protein levels reflect thermal tolerance in the marine bivalve Mytilus edulis L.. Journal of Experimental Marine Biology and Ecology, 1998, 229, 53-68.	0.7	97
37	The lack of a stress response in Hydra oligactis is due to reduced hsp70 mRNA stability. FEBS Journal, 1998, 255, 703-709.	0.2	70

#	ARTICLE	IF	CITATIONS
38	The methionine-rich low-molecular-weight chloroplast heat-shock protein: evolutionary conservation and accumulation in relation to thermotolerance. <i>American Journal of Botany</i> , 1998, 85, 175-183.	0.8	58
39	Natural body temperature and kinetics of heat-shock protein synthesis in the toad-headed agamid lizard <i>Phrynocephalus interscapularis</i> . <i>Amphibia - Reptilia</i> , 1999, 20, 1-9.	0.1	8
40	Ecologically Relevant Variation in Induction and Function of Heat Shock Proteins in Marine Organisms. <i>American Zoologist</i> , 1999, 39, 889-900.	0.7	97
41	HEAT-SHOCK PROTEINS, MOLECULAR CHAPERONES, AND THE STRESS RESPONSE: Evolutionary and Ecological Physiology. <i>Annual Review of Physiology</i> , 1999, 61, 243-282.	5.6	3,624
42	Identification of a small heat shock $\beta$ -crystallin protein in the scleractinian coral <i>Madracis mirabilis</i> (Duch. and Mitch.). <i>Canadian Journal of Zoology</i> , 1999, 77, 675-682.	0.4	8
43	Polyunsaturated fatty acids enhance the heat induced stress response in rainbow trout ( <i>Oncorhynchus mykiss</i> ) leukocytes. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1999, 123, 389-397.	0.7	27
44	The Heat Shock Response of Tropical and Desert Fish (genus <i>Poeciliopsis</i> ). <i>Cell and Molecular Response To Stress</i> , 2000, 1, 231-243.	0.4	2
45	Heat pretreatment increases cadmium resistance and HSP 70 levels in Baltic Sea mussels. <i>Aquatic Toxicology</i> , 2000, 48, 1-12.	1.9	49
46	Unresponsiveness of <i>Euplotes focardii</i> hsp70 genes to thermal stress. <i>Italian Journal of Zoology</i> , 2000, 67, 111-114.	0.6	0
47	Correlated evolution of chloroplast heat shock protein expression in closely related plant species. <i>American Journal of Botany</i> , 2001, 88, 411-418.	0.8	44
48	Roles of the heat shock transcription factors in regulation of the heat shock response and beyond. <i>FASEB Journal</i> , 2001, 15, 1118-1131.	0.2	885
49	Competition for Space Among Sessile Marine Invertebrates: Changes in HSP70 Expression in Two Pacific Cnidarians. <i>Biological Bulletin</i> , 2001, 201, 385-393.	0.7	51
50	The 60-kDa Heat Shock Protein (HSP60) of the Sea Anemone <i>Anemonia viridis</i> : A Potential Early Warning System for Environmental Changes. <i>Marine Biotechnology</i> , 2001, 3, 501-508.	1.1	45
51	Field and laboratory evidence for acclimation without costs in an egg parasitoid. <i>Functional Ecology</i> , 2001, 15, 217-221.	1.7	43
52	Genetic variation in thermal tolerance among natural populations of <i>Drosophila buzzatii</i> : down regulation of Hsp70 expression and variation in heat stress resistance traits. <i>Functional Ecology</i> , 2001, 15, 289-296.	1.7	239
53	Divergence between two Antarctic species of the ciliate <i>Euplotes</i> , <i>E. focardii</i> and <i>E. nobilii</i> , in the expression of heat-shock protein 70 genes. <i>Molecular Ecology</i> , 2001, 10, 1061-1067.	2.0	74
54	Preliminary study of heat shock proteins in nemerteans. <i>Hydrobiologia</i> , 2001, 456, 211-219.	1.0	4
55	The physiological effects of heat stress and the role of heat shock proteins in rainbow trout ( <i>Oncorhynchus mykiss</i> ) red blood cells. <i>Fish Physiology and Biochemistry</i> , 2003, 29, 1-12.	0.9	16

#	ARTICLE	IF	CITATIONS
56	Expression of heat shock and cold shock proteins in the gorgonian <i>Leptogorgia virgulata</i> . <i>The Journal of Experimental Zoology</i> , 2003, 296A, 98-107.	1.4	15
57	Constitutive roles for inducible genes: evidence for the alteration in expression of the inducible hsp70 gene in Antarctic notothenioid fishes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 287, R429-R436.	0.9	106
58	Regulation of heat shock genes in isolated hepatocytes from an Antarctic fish, <i>Trematomus bernacchii</i> . <i>Journal of Experimental Biology</i> , 2004, 207, 3649-3656.	0.8	115
59	Expression of cytoprotective proteins, heat shock protein 70 and metallothioneins, in tissues of <i>Ostrea edulis</i> exposed to heat and heavy metals. <i>Cell Stress and Chaperones</i> , 2004, 9, 134.	1.2	161
60	The gene for the heat-shock protein 70 of <i>Euplotes focardii</i> , an Antarctic psychrophilic ciliate. <i>Antarctic Science</i> , 2004, 16, 23-28.	0.5	28
61	The Expression of the HSP70 Gene in <i>Moneuplotes crassus</i> is Controlled by a Two-Step Process at the Transcript Level. <i>Journal of Eukaryotic Microbiology</i> , 2004, 51, 344-350.	0.8	1
62	Heat-shock protein 70 expression in shrimp <i>Penaeus chinensis</i> during thermal and immune-challenged stress. <i>Chinese Journal of Oceanology and Limnology</i> , 2004, 22, 386-391.	0.7	8
63	Improved survival under heat stress in intertidal embryos ( <i>Fucus</i> spp.) simultaneously exposed to hypersalinity and the effect of parental thermal history. <i>Marine Biology</i> , 2004, 144, 205-213.	0.7	74
64	The effect of dietary phosphorus on heat shock protein mRNAs during acute heat stress in male broiler chickens ( <i>Gallus gallus</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004, 137, 11-18.	1.3	25
65	Acclimation, heat shock and hardening. <i>Journal of Thermal Biology</i> , 2005, 30, 125-130.	1.1	149
66	Some like it hot, some like it cold: the heat shock response is found in New Zealand but not Antarctic notothenioid fishes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 316, 79-89.	0.7	77
67	Ectothermy and endothermy: evolutionary perspectives of thermoprotection by HSPs. <i>Journal of Experimental Biology</i> , 2005, 208, 2773-2781.	0.8	26
68	Sequencing and expression pattern of inducible heat shock gene products in the European flat oyster, <i>Ostrea edulis</i> . <i>Gene</i> , 2005, 361, 119-126.	1.0	67
69	Stress protein response in two sibling species of <i>Marenzelleria</i> (Polychaeta: Spionidae): Is there an influence of acclimation salinity?. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 451-462.	0.7	8
70	Cellular responses to temperature stress in steelhead trout ( <i>Onchorhynchus mykiss</i> ) parr with different rearing histories. <i>Fish Physiology and Biochemistry</i> , 2006, 32, 261-273.	0.9	21
71	Physiological response of the cold-seep mussel <i>Bathymodiolus childressi</i> to acutely elevated temperature. <i>Marine Biology</i> , 2006, 149, 1397-1402.	0.7	9
72	Tissue and allelic-specific expression of hsp70 gene in chickens: basal and heat-stress-induced mRNA level quantified with real-time reverse transcriptase polymerase chain reaction. <i>British Poultry Science</i> , 2006, 47, 449-455.	0.8	32
73	Biology of the Heat Shock Response and Stress Conditioning. , 2007, , 7-35.		3

#	ARTICLE	IF	CITATIONS
74	Long-term maintenance of species-specific bacterial microbiota in the basal metazoan <i>Hydra</i> . Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13146-13151.	3.3	320
75	Heat shock protein (hsp70) expression and thermal tolerance in sublethally heat-shocked eastern oysters <i>Crassostrea virginica</i> infected with the parasite <i>Perkinsus marinus</i> . Diseases of Aquatic Organisms, 2007, 76, 251-260.	0.5	22
76	Effect of thermal stress on protein expression in the mussel <i>Mytilus galloprovincialis</i> Lmk. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 147, 531-540.	0.7	4
77	Over-expression of highly conserved mitochondrial 70-kDa heat-shock protein in the sea anemone <i>Anemonia viridis</i> . Journal of Thermal Biology, 2007, 32, 367-373.	1.1	6
78	Biochemical adaptations of notothenioid fishes: Comparisons between cold temperate South American and New Zealand species and Antarctic species. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 147, 799-807.	0.8	62
79	Population variability in heat shock proteins among three Antarctic penguin species. Polar Biology, 2007, 30, 1239-1244.	0.5	12
80	The HSP70 heat shock response in the Antarctic fish <i>Harpagifer antarcticus</i> . Polar Biology, 2007, 31, 171-180.	0.5	87
81	Lack of an HSP70 heat shock response in two Antarctic marine invertebrates. Polar Biology, 2008, 31, 1059-1065.	0.5	83
82	Antarctic marine molluscs do have an HSP70 heat shock response. Cell Stress and Chaperones, 2008, 13, 39-49.	1.2	112
83	Lack of glucose and hsp70 responses in haddock <i>Melanogrammus aeglefinus</i> (L.) subjected to handling and heat shock. Journal of Fish Biology, 2008, 72, 157-167.	0.7	33
84	Application of heat shock proteins as stress markers in aquatic organisms using endemic Baikal amphipods as an example. Applied Biochemistry and Microbiology, 2008, 44, 310-313.	0.3	5
85	Bleaching and stress in coral reef ecosystems: <i>hsp70</i> expression by the giant barrel sponge <i>Xestospongia muta</i> . Molecular Ecology, 2008, 17, 1840-1849.	2.0	99
86	The Importance of Physiological Limits in Determining Biogeographical Range Shifts due to Global Climate Change: The Heat Shock Response. Physiological and Biochemical Zoology, 2008, 81, 709-717.	0.6	138
87	Genomic Survey of Candidate Stress-Response Genes in the Estuarine Anemone <i>Nematostella vectensis</i> . Biological Bulletin, 2008, 214, 233-254.	0.7	71
88	Interspecific and interhabitat variation in hsp70 gene expression in native and invasive kelp populations. Marine Ecology - Progress Series, 2009, 386, 1-13.	0.9	21
89	More than just orphans: are taxonomically-restricted genes important in evolution?. Trends in Genetics, 2009, 25, 404-413.	2.9	399
90	Sublethal stress: Impact of solar UV radiation on protein synthesis in the copepod <i>Acartia tonsa</i> . Journal of Experimental Marine Biology and Ecology, 2009, 375, 106-113.	0.7	27
91	Thermal stress defense in freshwater amphipods from contrasting habitats with emphasis on small heat shock proteins (sHSPs). Journal of Thermal Biology, 2009, 34, 281-285.	1.1	12

#	ARTICLE	IF	CITATIONS
92	HSP70 heat shock proteins and environmental stress in Antarctic marine organisms: A mini-review. <i>Marine Genomics</i> , 2009, 2, 11-18.	0.4	144
93	Molecular cold-adaptation of protein function and gene regulation: The case for comparative genomic analyses in marine ciliated protozoa. <i>Marine Genomics</i> , 2009, 2, 57-66.	0.4	29
94	Multifaceted Role of Heat Shock Protein 70 in Neurons. <i>Molecular Neurobiology</i> , 2010, 42, 114-123.	1.9	22
95	Phylogeny and biogeography of Hydra (Cnidaria: Hydridae) using mitochondrial and nuclear DNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2010, 57, 403-410.	1.2	89
96	Location-Specific Responses to Thermal Stress in Larvae of the Reef-Building Coral <i>Montastraea faveolata</i> . <i>PLoS ONE</i> , 2010, 5, e11221.	1.1	108
97	Variation in the heat shock response and its implication for predicting the effect of global climate change on species' biogeographical distribution ranges and metabolic costs. <i>Journal of Experimental Biology</i> , 2010, 213, 971-979.	0.8	360
98	Asymmetry in thermal tolerance trade-offs between the B and Q sibling species of <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae). <i>Journal of Evolutionary Biology</i> , 2011, 24, 1099-1109.	0.8	31
99	Comparative physiology and transcriptional networks underlying the heat shock response in <i>Populus trichocarpa</i> , <i>Arabidopsis thaliana</i> and <i>Glycine max</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 1488-1506.	2.8	71
100	Novel SNPs in HSP70A1A gene and the association of polymorphisms with thermo tolerance traits and tissue specific expression in Chinese Holstein cattle. <i>Molecular Biology Reports</i> , 2011, 38, 2657-2663.	1.0	50
101	Thermotolerance and heat shock response in the cold-stenothermal chironomid (NE Italy). <i>Cell Stress and Chaperones</i> , 2011, 16, 403-410.	1.2	43
102	Thermotolerance and heat acclimation may share a common mechanism in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R524-R533.	0.9	87
103	Hydra, the everlasting embryo, confronts aging. <i>International Journal of Developmental Biology</i> , 2012, 56, 479-487.	0.3	56
104	How to use Hydra as a model system to teach biology in the classroom. <i>International Journal of Developmental Biology</i> , 2012, 56, 637-652.	0.3	20
105	Heat Shock Proteins: The Minimal, but Universal, Stress Proteome. , 2012, , 107-130.		0
106	Maturation costs affect maturation timing: sexual reproduction in a heterogonic hydra. <i>Hydrobiologia</i> , 2012, 679, 19-25.	1.0	2
107	Temperature stress induces notochord abnormalities and heat shock proteins expression in larval green sturgeon ( <i>Acipenser medirostris</i> Ayres 1854). <i>Journal of Applied Ichthyology</i> , 2013, 29, 958-967.	0.3	30
108	Symbiosis between hydra and chlorella: Molecular phylogenetic analysis and experimental study provide insight into its origin and evolution. <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 906-914.	1.2	33
109	Diversity in the origins of proteostasis networks â€” a driver for protein function in evolution. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 237-248.	16.1	204

#	ARTICLE	IF	CITATIONS
110	Distinct antimicrobial peptide expression determines host species-specific bacterial associations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3730-8.	3.3	312
111	Contrasting cellular stress responses of Baikalian and Palearctic amphipods upon exposure to humic substances: environmental implications. <i>Environmental Science and Pollution Research</i> , 2014, 21, 14124-14137.	2.7	14
112	A cellular and metabolic assessment of the thermal stress responses in the endemic gastropod <i>Benedictia limnaeoides ongurensis</i> from Lake Baikal. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 167, 16-22.	0.7	13
113	Two organobromines trigger lifespan, growth, reproductive and transcriptional changes in <i>Caenorhabditis elegans</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 10419-10431.	2.7	8
114	UV Radiation and Visible Light Induce hsp70 Gene Expression in the Antarctic Psychrophilic Ciliate <i>Euplotes focardii</i> . <i>Microbial Ecology</i> , 2015, 70, 372-379.	1.4	9
115	Deciphering intracellular events triggered by mild magnetic hyperthermia <i>in vitro</i> and <i>in vivo</i> . <i>Nanomedicine</i> , 2015, 10, 2167-2183.	1.7	40
116	Identification of a putatively multixenobiotic resistance related Abcb1 transporter in amphipod species endemic to the highly pristine Lake Baikal. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5453-5468.	2.7	5
117	Transient Receptor Potential Melastatin-3 (TRPM3) Mediates Nociceptive-Like Responses in <i>Hydra vulgaris</i> . <i>PLoS ONE</i> , 2016, 11, e0151386.	1.1	16
118	Effects of food availability on asexual reproduction and stress tolerance along the fast–slow life history continuum in freshwater hydra (Cnidaria: Hydrozoa). <i>Hydrobiologia</i> , 2016, 766, 121-133.	1.0	19
119	Life history traits and previous exposure predict resistance to UV irradiation in the freshwater cnidarian <i>Hydra oligactis</i> . <i>Invertebrate Biology</i> , 2017, 136, 217-227.	0.3	4
120	Heat shock protein 70 (Hsp70) response to elevated temperatures in the endemic Baikal sponge <i>Lubomirskia baicalensis</i> . <i>Ecological Indicators</i> , 2018, 88, 1-7.	2.6	13
121	Heat Shock Proteins and Stress. <i>Heat Shock Proteins</i> , 2018, , .	0.2	5
122	Molecular Stress Responses against Trace Metal Contamination in Aquatic Invertebrates. <i>Heat Shock Proteins</i> , 2018, , 193-265.	0.2	3
123	Cnidaria: Anthozoans in the Hot Seat. , 2018, , 51-93.		19
124	Sex ratio patterns and trade-off between sexual and asexual reproduction in the brown hydra. <i>Freshwater Science</i> , 2018, 37, 551-561.	0.9	1
125	<i>Hydra</i> , a Model System for Deciphering the Mechanisms of Aging and Resistance to Aging. , 2018, , 507-520.		3
126	The past, present, and future of coral heat stress studies. <i>Ecology and Evolution</i> , 2019, 9, 10055-10066.	0.8	81
127	De novo comparative transcriptome analysis of a rare cicada, with identification of candidate genes related to adaptation to a novel host plant and drier habitats. <i>BMC Genomics</i> , 2019, 20, 182.	1.2	19



#	ARTICLE	IF	CITATIONS
128	Invertebrate Models for Hyperthermia: What We Learned From <i>Caenorhabditis elegans</i> and <i>Hydra vulgaris</i> . , 2019, , 229-264.		2
129	Thermal Tolerance in Green Hydra: Identifying the Roles of Algal Endosymbionts and Hosts in a Freshwater Holobiont Under Stress. <i>Microbial Ecology</i> , 2019, 77, 537-545.	1.4	12
130	Chronic exposure of Brown ( <i>Hydra oligactis</i> ) and green Hydra ( <i>Hydra viridissima</i> ) to environmentally relevant concentrations of pharmaceuticals. <i>Science of the Total Environment</i> , 2020, 732, 139232.	3.9	8
131	A long noncoding RNA acts as a post-transcriptional regulator of heat shock protein (HSP70) synthesis in the cold hardy <i>Diamesa tonsa</i> under heat shock. <i>PLoS ONE</i> , 2020, 15, e0227172.	1.1	14
132	Nontraditional systems in aging research: an update. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1275-1304.	2.4	8
133	Generation of GCaMP6s-Expressing Zebrafish to Monitor Spatiotemporal Dynamics of Calcium Signaling Elicited by Heat Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5551.	1.8	8
134	<i>Hydra vulgaris</i> shows stable responses to thermal stimulation despite large changes in the number of neurons. <i>IScience</i> , 2021, 24, 102490.	1.9	9
135	Seasonal variation in sexual readiness in a facultatively sexual freshwater cnidarian with diapausing eggs. <i>Ecosphere</i> , 2021, 12, e03713.	1.0	8
136	Plasticity in depth selection behavior and heat shock proteins in <i>Daphnia</i> . <i>Aquatic Ecology</i> , 2021, 55, 1171-1178.	0.7	3
137	The Stress Response in the Freshwater Polyp <i>Hydra</i> . , 1991, , 133-142.		3
138	Heat shock proteins.. <i>Journal of Biological Chemistry</i> , 1990, 265, 12111-12114.	1.6	953
139	Genetic differences in the duration of the lymphocyte heat shock response in mice.. <i>Genetics</i> , 1990, 124, 949-955.	1.2	9
140	Response of Two Heat Shock Genes to Selection for Knockdown Heat Resistance in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1996, 143, 1615-1627.	1.2	130
144	<i>Hydra</i> tropomyosin TROP1 is expressed in head-specific epithelial cells and is a major component of the cytoskeletal structure that anchors nematocytes. <i>Journal of Cell Science</i> , 1994, 107, 1403-1411.	1.2	14
145	Acclimation of the threshold induction temperatures for 70-kDa and 90-kDa heat shock proteins in the fish <i>Gillichthys mirabilis</i> . <i>Journal of Experimental Biology</i> , 1994, 188, 333-338.	0.8	67
146	Evidence for Protein Damage at Environmental Temperatures: Seasonal Changes in Levels of Ubiquitin Conjugates and Hsp70 in the Intertidal Mussel <i>Mytilus Trossulus</i> . <i>Journal of Experimental Biology</i> , 1995, 198, 1509-1518.	0.8	360
147	Evolutionary and acclimation-induced variation in the heat-shock responses of congeneric marine snails (genus <i>Tegula</i> ) from different thermal habitats: implications for limits of thermotolerance and biogeography. <i>Journal of Experimental Biology</i> , 1999, 202, 2925-2936.	0.8	366
148	Heat-Shock Protein Expression is Absent in the Antarctic Fish <i>Trematomus Bernacchii</i> (Family Tj ETQq1 1 0.784314 rgBT/Ov	0.8	298

#	ARTICLE	IF	CITATIONS
149	Thermotolerant Desert Lizards Characteristically Differ in Terms of Heat-Shock System Regulation. <i>Journal of Experimental Biology</i> , 2000, 203, 1017-1025.	0.8	61
150	FoxO and Stress Responses in the Cnidarian <i>Hydra vulgaris</i> . <i>PLoS ONE</i> , 2010, 5, e11686.	1.1	79
151	Whole-Body Imaging of Neural and Muscle Activity during Behavior in <i>Hydra vulgaris</i> : Effect of Osmolarity on Contraction Bursts. <i>ENeuro</i> , 2020, 7, ENEURO.0539-19.2020.	0.9	18
152	Physiological and developmental responses to temperature by the sea anemone <i>Nematostella vectensis</i> . <i>Marine Ecology - Progress Series</i> , 2013, 484, 115-130.	0.9	30
154	Variation in Oxidative Stress Threats and Hormesis Across Environments. , 2014, , 75-109.		0
155	The heat shock response in hydra: immunological relationship of hsp60, the major heat shock protein of <i>Hydra vulgaris</i> , to the ubiquitous hsp70 family. , 1991, , 513-517.		2
156	Nucleic Acids and Nuclear Proteins. , 1994, , 9-69.		0
160	Stable Behavioral and Neural Responses to Thermal Stimulation Despite Large Changes in the <i>Hydra vulgaris</i> Nervous System. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
163	Effects of thermal acclimation on the proteome of the planarian <i>Crenobia alpina</i> from an alpine freshwater spring. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	4
164	A chromosome-scale epigenetic map of the <i>Hydra</i> genome reveals conserved regulators of cell state. <i>Genome Research</i> , 2023, 33, 283-298.	2.4	19
165	Warming increases survival and asexual fitness in a facultatively sexual freshwater cnidarian with winter diapause. <i>Ecology and Evolution</i> , 2023, 13, .	0.8	2
167	On being a <i>Hydra</i> with, and without, a nervous system: what do neurons add?. <i>Animal Cognition</i> , 2023, 26, 1799-1816.	0.9	3