

Kenneth B Storey

List of Publications by Year in descending order

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895
papers

29,738
citations

10956

71
h-index

18606

119
g-index

910
all docs

910
docs citations

910
times ranked

15455
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Rate Depression and Biochemical Adaptation in Anaerobiosis, Hibernation and Estivation. Quarterly Review of Biology, 1990, 65, 145-174.	0.0	582
2	Freeze tolerance in animals. Physiological Reviews, 1988, 68, 27-84.	13.1	574
3	Metabolic rate depression in animals: transcriptional and translational controls. Biological Reviews, 2004, 79, 207-233.	4.7	524
4	Mitogen-activated protein kinases: new signaling pathways functioning in cellular responses to environmental stress. Journal of Experimental Biology, 2003, 206, 1107-1115.	0.8	501
5	Quantification of lipid peroxidation in tissue extracts based on Fe(III)xylene orange complex formation. Free Radical Biology and Medicine, 1995, 19, 271-280.	1.3	437
6	The promise of organ and tissue preservation to transform medicine. Nature Biotechnology, 2017, 35, 530-542.	9.4	371
7	Bound and determined: A computer program for making buffers of defined ion concentrations. Analytical Biochemistry, 1992, 201, 119-126.	1.1	337
8	Antioxidant defenses and metabolic depression. The hypothesis of preparation for oxidative stress in land snails. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 120, 437-448.	0.7	287
9	The western painted turtle genome, a model for the evolution of extreme physiological adaptations in a slowly evolving lineage. Genome Biology, 2013, 14, R28.	13.9	276
10	Hypoxia and recovery perturb free radical processes and antioxidant potential in common carp (Cyprinus carpio) tissues. International Journal of Biochemistry and Cell Biology, 2005, 37, 1319-1330.	1.2	262
11	Hyperoxia results in transient oxidative stress and an adaptive response by antioxidant enzymes in goldfish tissues. International Journal of Biochemistry and Cell Biology, 2005, 37, 1670-1680.	1.2	243
12	Tribute to P. L. Lutz: putting life on 'pause' – molecular regulation of hypometabolism. Journal of Experimental Biology, 2007, 210, 1700-1714.	0.8	239
13	Natural Freeze Tolerance in Ectothermic Vertebrates. Annual Review of Physiology, 1992, 54, 619-637.	5.6	216
14	Pesticide toxicity: a mechanistic approach. EXCLI Journal, 2018, 17, 1101-1136.	0.5	214
15	Insect cold hardiness: metabolic, gene, and protein adaptation¹ This review is part of a virtual symposium on recent advances in understanding a variety of complex regulatory processes in insect physiology and endocrinology, including development, metabolism, cold hardiness, food intake and digestion, and diuresis, through the use of omics technologies in the postgenomic era.. Canadian Journal of Zoology, 2012, 90, 156-175.	0.4	207
16	NATURAL FREEZING SURVIVAL IN ANIMALS. Annual Review of Ecology, Evolution, and Systematics, 1996, 27, 365-386.	6.7	206
17	Cold-loving microbes, plants, and animals – fundamental and applied aspects. Die Naturwissenschaften, 2007, 94, 77-99.	0.6	202
18	Life in the slow lane: molecular mechanisms of estivation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 133, 733-754.	0.8	196

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19	Low toxic herbicide Roundup induces mild oxidative stress in goldfish tissues. <i>Chemosphere</i> , 2009, 76, 932-937.	4.2	192
20	Biochemical adaption for freezing tolerance in the wood frog, <i>Rana sylvatica</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1984, 155, 29-36.	0.7	183
21	Biochemistry of Cryoprotectants. , 1991, , 64-93.		173
22	Organic Solutes in Freezing Tolerance. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 117, 319-326.	0.7	171
23	Out Cold: Biochemical Regulation of Mammalian Hibernation â€œ A Mini-Review. <i>Gerontology</i> , 2010, 56, 220-230.	1.4	159
24	Molecular Physiology of Freeze Tolerance in Vertebrates. <i>Physiological Reviews</i> , 2017, 97, 623-665.	13.1	154
25	Antioxidant systems and anoxia tolerance in a freshwater turtle <i>Trachemys scripta elegans</i> . , 1997, 170, 177-185.		148
26	Molecular Biology of Freezing Tolerance. , 2013, 3, 1283-1308.		142
27	Intermediary metabolism during low temperature acclimation in the overwintering gall fly larva, <i>Eurosta solidaginis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1981, 144, 183-190.	0.7	134
28	Freeze tolerance and intolerance as strategies of winter survival in terrestrially-hibernating amphibians. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1986, 83, 613-617.	0.7	130
29	Regulation of hypometabolism: insights into epigenetic controls. <i>Journal of Experimental Biology</i> , 2015, 218, 150-159.	0.8	130
30	Metabolic consequences of diving in animals and man. <i>Science</i> , 1975, 187, 613-621.	6.0	127
31	Glycolytic controls in estivation and anoxia: A comparison of metabolic arrest in land and marine molluscs. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 1103-1114.	0.7	127
32	Regulation of Ground Squirrel Na+K+-ATPase Activity by Reversible Phosphorylation during Hibernation. <i>Biochemical and Biophysical Research Communications</i> , 1999, 254, 424-429.	1.0	125
33	Metabolic regulation in mammalian hibernation: Enzyme and protein adaptations. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 1115-1124.	0.7	121
34	Anoxia tolerance in turtles: Metabolic regulation and gene expression. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 147, 263-276.	0.8	121
35	Hatchling turtles survive freezing during winter hibernation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 8350-8354.	3.3	119
36	Oxidative stress and antioxidant defense responses by goldfish tissues to acute change of temperature from 3 to 23Â°C. <i>Journal of Thermal Biology</i> , 2007, 32, 227-234.	1.1	117

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37	Aestivation: signaling and hypometabolism. <i>Journal of Experimental Biology</i> , 2012, 215, 1425-1433.	0.8	117
38	Antioxidant defenses and lipid peroxidation during anoxia stress and aerobic recovery in the marine gastropod <i>Littorina littorea</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 221, 277-292.	0.7	115
39	Metabolic adaptations supporting anoxia tolerance in reptiles: Recent advances. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1996, 113, 23-35.	0.7	111
40	Freeze tolerant frogs: cryoprotectants and tissue metabolism during freeze-thaw cycles. <i>Canadian Journal of Zoology</i> , 1986, 64, 49-56.	0.4	110
41	Reptile freeze tolerance: Metabolism and gene expression. <i>Cryobiology</i> , 2006, 52, 1-16.	0.3	108
42	Metabolic rate depression. <i>Advances in Clinical Chemistry</i> , 2010, 52, 77-108.	1.8	107
43	Oxidative stress: animal adaptations in nature. <i>Brazilian Journal of Medical and Biological Research</i> , 1996, 29, 1715-33.	0.7	105
44	Differential sensitivities to hypoxia by two anoxia-tolerant marine molluscs: A biochemical analysis. <i>Marine Biology</i> , 1991, 111, 343-351.	0.7	104
45	Antioxidant defenses and lipid peroxidation damage in estivating toads, <i>Scaphiopus couchii</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1998, 168, 132-142.	0.7	104
46	The emerging roles of microRNAs in the molecular responses of metabolic rate depression. <i>Journal of Molecular Cell Biology</i> , 2011, 3, 167-175.	1.5	104
47	Regulation of cryoprotectant metabolism in the overwintering gall fly larva, <i>Eurosta solidaginis</i> : Temperature control of glycerol and sorbitol levels. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1983, 149, 495-502.	0.7	102
48	Triggering of cryoprotectant synthesis by the initiation of ice nucleation in the freeze tolerant frog, <i>Rana sylvatica</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1985, 156, 191-195.	0.7	102
49	Accumulation and translation of ferritin heavy chain transcripts following anoxia exposure in a marine invertebrate. <i>Journal of Experimental Biology</i> , 2004, 207, 1353-1360.	0.8	100
50	Strategies for exploration of freeze responsive gene expression: advances in vertebrate freeze tolerance. <i>Cryobiology</i> , 2004, 48, 134-145.	0.3	99
51	Mammalian Hibernation. <i>Advances in Experimental Medicine and Biology</i> , 2003, , 21-38.	0.8	96
52	Induction of oxidative stress in <i>Rana ridibunda</i> during recovery from winter hibernation. <i>Journal of Thermal Biology</i> , 2003, 28, 21-28.	1.1	95
53	Evidence for a reduced transcriptional state during hibernation in ground squirrels. <i>Cryobiology</i> , 2006, 53, 310-318.	0.3	95
54	Mammalian hibernation: differential gene expression and novel application of epigenetic controls. <i>International Journal of Developmental Biology</i> , 2009, 53, 433-442.	0.3	94

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55	Suspended animation: the molecular basis of metabolic depression. <i>Canadian Journal of Zoology</i> , 1988, 66, 124-132.	0.4	92
56	Winter survival of the gall fly larva, <i>Eurosta solidaginis</i> : Profiles of fuel reserves and cryoprotectants in a natural population. <i>Journal of Insect Physiology</i> , 1986, 32, 549-556.	0.9	91
57	Strategies of freeze avoidance in larvae of the goldenrod gall moth, <i>Epiblema scudderiana</i> : Winter profiles of a natural population. <i>Journal of Insect Physiology</i> , 1987, 33, 443-450.	0.9	91
58	Freezing and anoxia stresses induce expression of metallothionein in the foot muscle and hepatopancreas of the marine gastropod <i>Littorina littorea</i> . <i>Journal of Experimental Biology</i> , 2003, 206, 2517-2524.	0.8	91
59	Chromium(III) induces oxidative stress in goldfish liver and kidney. <i>Aquatic Toxicology</i> , 2009, 93, 45-52.	1.9	90
60	Twenty years of the "Preparation for Oxidative Stress" (POS) theory: Ecophysiological advantages and molecular strategies. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 234, 36-49.	0.8	88
61	Fatty Acid Content and Enzymes of Fatty Acid Metabolism in Overwintering Cold-Hardy Gall Insects. <i>Physiological Zoology</i> , 1996, 69, 1079-1095.	1.5	87
62	Induction of synthesis of an antimicrobial peptide in the skin of the freeze-tolerant frog, <i>Rana sylvatica</i> , in response to environmental stimuli. <i>FEBS Letters</i> , 2000, 483, 135-138.	1.3	86
63	Biochemical strategies of overwintering in the gall fly larva, <i>Eurosta solidaginis</i> : Effect of low temperature acclimation on the activities of enzymes of intermediary metabolism. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1981, 144, 191-199.	0.7	80
64	The optimal depot fat composition for hibernation by golden-mantled ground squirrels (<i>Spermophilus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 1995, 164, 536-42.	0.7	80
65	Hydrogen peroxide increases the activities of regulon enzymes and the levels of oxidized proteins and lipids in. <i>Cell Biology International</i> , 2005, 29, 898-902.	1.4	78
66	Up-regulation of a thioredoxin peroxidase-like protein, proliferation-associated gene, in hibernating bats. <i>Archives of Biochemistry and Biophysics</i> , 2005, 435, 103-111.	1.4	78
67	The translation state of differentially expressed mRNAs in the hibernating 13-lined ground squirrel (<i>Spermophilus tridecemlineatus</i>). <i>Archives of Biochemistry and Biophysics</i> , 2002, 401, 244-254.	1.4	77
68	Suppression of Na ⁺ /K ⁺ -ATPase activity during estivation in the land snail <i>Otala lactea</i> . <i>Journal of Experimental Biology</i> , 2006, 209, 677-688.	0.8	77
69	The effect of potassium dichromate on free radical processes in goldfish: Possible protective role of glutathione. <i>Aquatic Toxicology</i> , 2008, 87, 108-114.	1.9	76
70	Purification and properties of aerobic and anoxic forms of pyruvate kinase from red muscle tissue of the channelled whelk, <i>Busycotypus canaliculatum</i> . <i>FEBS Journal</i> , 1984, 143, 257-265.	0.2	75
71	Evidence for cell cycle suppression and microRNA regulation of cyclin D1 during anoxia exposure in turtles. <i>Cell Cycle</i> , 2012, 11, 1705-1713.	1.3	75
72	Real-time measurement of metabolic rate during freezing and thawing of the wood frog, <i>Rana sylvatica</i> : implications for overwinter energy use. <i>Journal of Experimental Biology</i> , 2013, 216, 292-302.	0.8	75

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73	Gene Up-Regulation in Heart during Mammalian Hibernation. <i>Cryobiology</i> , 2000, 40, 332-342.	0.3	74
74	Expression of Nrf2 and its downstream gene targets in hibernating 13-lined ground squirrels, <i>Spermophilus tridecemlineatus</i> . <i>Molecular and Cellular Biochemistry</i> , 2008, 312, 121-129.	1.4	74
75	Catalase inhibition by amino triazole induces oxidative stress in goldfish brain. <i>Brain Research</i> , 2005, 1052, 180-186.	1.1	73
76	Differential expression of adipose- and heart-type fatty acid binding proteins in hibernating ground squirrels. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1522, 238-243.	2.4	72
77	Cytotoxicity of chromium ions may be connected with induction of oxidative stress. <i>Chemosphere</i> , 2010, 80, 1044-1049.	4.2	72
78	Insulin-Like Peptides Regulate Feeding Preference and Metabolism in <i>Drosophila</i> . <i>Frontiers in Physiology</i> , 2018, 9, 1083.	1.3	72
79	Mitochondria of cold hardy insects: Responses to cold and hypoxia assessed at enzymatic, mRNA and DNA levels. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 367-373.	1.2	71
80	A Profile of the Metabolic Responses to Anoxia in Marine Invertebrates. <i>Cell and Molecular Response To Stress</i> , 2002, , 27-46.	0.4	70
81	Differential expression of microRNA species in organs of hibernating ground squirrels: A role in translational suppression during torpor. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 628-633.	0.9	70
82	Forever Young: Mechanisms of Natural Anoxia Tolerance and Potential Links to Longevity. <i>Oxidative Medicine and Cellular Longevity</i> , 2010, 3, 186-198.	1.9	70
83	Regulation of the mTOR signaling network in hibernating thirteen-lined ground squirrels. <i>Journal of Experimental Biology</i> , 2012, 215, 1720-1727.	0.8	70
84	Determination of water "bound" by soluble subcellular components during low-temperature acclimation in the gall fly larva, <i>Eurosta solidaginis</i> . <i>Cryobiology</i> , 1981, 18, 315-321.	0.3	69
85	Phosphorylation in vivo of red-muscle pyruvate kinase from the channelled whelk, <i>Busycotypus canaliculatum</i> , in response to anoxic stress. <i>FEBS Journal</i> , 1984, 143, 267-272.	0.2	69
86	Differential expression of Akt, PPAR γ , and PGC-1 during hibernation in bats. <i>Biochemistry and Cell Biology</i> , 2003, 81, 269-274.	0.9	69
87	Anti-apoptotic signaling as a cytoprotective mechanism in mammalian hibernation. <i>PeerJ</i> , 2013, 1, e29.	0.9	69
88	Frozen and Alive. <i>Scientific American</i> , 1990, 263, 92-97.	1.0	68
89	Role of antioxidant defenses in the tolerance of severe dehydration by anurans. The case of the leopard frog <i>Rana pipiens</i> . , 1998, 189, 79-89.		68
90	The Relationship Between Lipid Peroxidation, Hibernation, and Food Selection in Mammals. <i>American Zoologist</i> , 1998, 38, 341-349.	0.7	68

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91	Adaptations of metabolism for freeze tolerance in the gray tree frog, <i>Hyla versicolor</i> . Canadian Journal of Zoology, 1985, 63, 49-54.	0.4	67
92	Metabolic adjustments during daily torpor in the Djungarian hamster. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E896-E906.	1.8	67
93	MicroRNA regulation below zero: Differential expression of miRNA-21 and miRNA-16 during freezing in wood frogs. Cryobiology, 2009, 59, 317-321.	0.3	67
94	Mechanisms of glycolytic control during hibernation in the ground squirrel <i>Spermophilus lateralis</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1992, 162, 23.	0.7	66
95	Oxidative damage and antioxidants in <i>Rana sylvatica</i> , the freeze-tolerant wood frog. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1996, 271, R545-R553.	0.9	66
96	Regulation of liver metabolism by enzyme phosphorylation during mammalian hibernation.. Journal of Biological Chemistry, 1987, 262, 1670-1673.	1.6	66
97	RBiplot: an easy-to-use R pipeline for automated statistical analysis and data visualization in molecular biology and biochemistry. PeerJ, 2016, 4, e2436.	0.9	66
98	Intermediary Energy Metabolism during Dormancy and Anoxia in the Land Snail <i>Otala lactea</i> . Physiological Zoology, 1989, 62, 1015-1030.	1.5	65
99	Differential Expression of Mature MicroRNAs Involved in Muscle Maintenance of Hibernating Little Brown Bats, <i>Myotis lucifugus</i> : A Model of Muscle Atrophy Resistance. Genomics, Proteomics and Bioinformatics, 2012, 10, 295-301.	3.0	64
100	The role of the TOR pathway in mediating the link between nutrition and longevity. Mechanisms of Ageing and Development, 2017, 164, 127-138.	2.2	64
101	Metabolism and bound water in overwintering insects. Cryobiology, 1983, 20, 365-379.	0.3	63
102	An Overview of Stress Response and Hypometabolic Strategies in <i>Caenorhabditis elegans</i> : Conserved and Contrasting Signals with the Mammalian System. International Journal of Biological Sciences, 2010, 6, 9-50.	2.6	63
103	Insight into post-transcriptional gene regulation: stress-responsive microRNAs and their role in the environmental stress survival of tolerant animals. Journal of Experimental Biology, 2015, 218, 1281-1289.	0.8	63
104	MicroRNA Regulation in Extreme Environments: Differential Expression of MicroRNAs in the Intertidal Snail <i>Littorina littorea</i> During Extended Periods of Freezing and Anoxia. Genomics, Proteomics and Bioinformatics, 2012, 10, 302-309.	3.0	62
105	The naked truth: a comprehensive clarification and classification of current "myths" in naked mole-rat biology. Biological Reviews, 2022, 97, 115-140.	4.7	62
106	Differential expression of mitochondria-encoded genes in a hibernating mammal. Journal of Experimental Biology, 2002, 205, 1625-1631.	0.8	62
107	The effect of prolonged anoxia on enzyme activities in oysters (<i>Crassostrea virginica</i>) at different seasons. Journal of Experimental Marine Biology and Ecology, 1999, 242, 259-272.	0.7	61
108	Adaptive response of antioxidant enzymes to catalase inhibition by aminotriazole in goldfish liver and kidney. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 142, 335-341.	0.7	61

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109	Antioxidant defenses in the tolerance of freezing and anoxia by garter snakes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1993, 265, R646-R652.	0.9	60
110	Chapter 20 Antioxidant defenses and animal adaptation to oxygen availability during environmental stress. <i>Cell and Molecular Response To Stress</i> , 2001, , 263-287.	0.4	60
111	Suppression of Na ⁺ K ⁺ -ATPase activity by reversible phosphorylation over the winter in a freeze-tolerant insect. <i>Journal of Insect Physiology</i> , 2008, 54, 1023-1027.	0.9	60
112	Chaperone proteins and winter survival by a freeze tolerant insect. <i>Journal of Insect Physiology</i> , 2011, 57, 1115-1122.	0.9	60
113	Pattern of cellular quiescence over the hibernation cycle in liver of thirteen-lined ground squirrels. <i>Cell Cycle</i> , 2012, 11, 1714-1726.	1.3	59
114	Mitochondrial enzymes during overwintering in two species of cold-hardy gall insects. <i>Insect Biochemistry and Molecular Biology</i> , 1994, 24, 145-150.	1.2	58
115	Evaluation of the role of AMP-activated protein kinase and its downstream targets in mammalian hibernation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 374-382.	0.7	58
116	Functional impact of microRNA regulation in models of extreme stress adaptation. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 93-101.	1.5	58
117	Metabolic rate depression: the biochemistry of mammalian hibernation. <i>Advances in Clinical Chemistry</i> , 2010, 52, 77-108.	1.8	58
118	Differential survival of <i>Venus gallina</i> and <i>Scapharca inaequalis</i> during anoxic stress: Covalent modification of phosphofructokinase and glycogen phosphorylase during anoxia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 161, 207-212.	0.7	57
119	Oxidative stress and antioxidants in stress and recovery of cold-hardy insects. <i>Insect Biochemistry and Molecular Biology</i> , 1998, 28, 23-30.	1.2	57
120	AMP-activated protein kinase and metabolic regulation in cold-hardy insects. <i>Journal of Insect Physiology</i> , 2011, 57, 1453-1462.	0.9	57
121	Regulation of the heat shock response under anoxia in the turtle, <i>Trachemys scripta elegans</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 403-414.	0.7	56
122	Chromium effects on free radical processes in goldfish tissues: Comparison of Cr(III) and Cr(VI) exposures on oxidative stress markers, glutathione status and antioxidant enzymes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 152, 360-370.	1.3	56
123	Molecular insights into land snail neuropeptides through transcriptome and comparative gene analysis. <i>BMC Genomics</i> , 2015, 16, 308.	1.2	56
124	Glycolysis and the regulation of cryoprotectant synthesis in liver of the freeze tolerant wood frog. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1987, 157, 373-380.	0.7	55
125	Antioxidant defense in hibernation: Cloning and expression of peroxiredoxins from hibernating ground squirrels, <i>Spermophilus tridecemlineatus</i> . <i>Archives of Biochemistry and Biophysics</i> , 2007, 461, 59-65.	1.4	55
126	Enzyme activity profiles in an overwintering population of freeze-tolerant larvae of the gall fly, <i>Eurosta solidaginis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994, 164, 247-255.	0.7	54

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127	Anoxia-Induced Gene Expression in Turtle Heart. Upregulation of Mitochondrial Genes for NADH-Ubiquinone Oxidoreductase Subunit 5 and Cytochrome c Oxidase Subunit 1. <i>FEBS Journal</i> , 1996, 241, 83-92.	0.2	54
128	Reversible suppression of protein synthesis in concert with polysome disaggregation during anoxia exposure in <i>Littorina littorea</i> . <i>Molecular and Cellular Biochemistry</i> , 2002, 232, 121-127.	1.4	54
129	High-Throughput Sequencing Reveals Differential Expression of miRNAs in Intestine from Sea Cucumber during Aestivation. <i>PLoS ONE</i> , 2013, 8, e76120.	1.1	54
130	Energy metabolism in the mantle muscle of the squid, <i>Loligo pealeii</i> . <i>Journal of Comparative Physiology</i> â–j B, 1978, 123, 169-175.	2.0	53
131	Persistence of Freeze Tolerance in Terrestrially Hibernating Frogs after Spring Emergence. <i>Copeia</i> , 1987, 1987, 720.	1.4	53
132	Where is the glycolytic complex? A critical evaluation of present data from muscle tissue. <i>FEBS Letters</i> , 1991, 278, 135-138.	1.3	53
133	Activation of mitogen-activated protein kinases during natural freezing and thawing in the wood frog. , 2000, 209, 29-37.		53
134	Cloning and expression of hypoxia-inducible factor 1 α from the hibernating ground squirrel, <i>Spermophilus tridecemlineatus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1729, 32-40.	2.4	53
135	Coping with the stress: Expression of ATF4, ATF6, and downstream targets in organs of hibernating ground squirrels. <i>Archives of Biochemistry and Biophysics</i> , 2008, 477, 77-85.	1.4	53
136	Life in the cold: links between mammalian hibernation and longevity. <i>Biomolecular Concepts</i> , 2016, 7, 41-52.	1.0	53
137	Ice nucleating activity in the blood of the freeze-tolerant frog, <i>Rana sylvatica</i> . <i>Cryobiology</i> , 1990, 27, 328-335.	0.3	52
138	Relationship between anoxia exposure and antioxidant status in the frog <i>Rana pipiens</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1996, 271, R918-R925.	0.9	52
139	Up-regulation of fatty acid-binding proteins during hibernation in the little brown bat, <i>Myotis lucifugus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004, 1676, 63-70.	2.4	52
140	Regulation of global protein translation and protein degradation in aerobic dormancy. <i>Molecular and Cellular Biochemistry</i> , 2009, 323, 9-20.	1.4	52
141	Transcriptional regulation of antioxidant enzymes by FoxO1 under dehydration stress. <i>Gene</i> , 2011, 485, 114-119.	1.0	52
142	Differential expression of microRNA species in a freeze tolerant insect, <i>Eurosta solidaginis</i> . <i>Cryobiology</i> , 2012, 65, 210-214.	0.3	52
143	Expression of NF κ B and downstream antioxidant genes in skeletal muscle of hibernating ground squirrels, <i>Spermophilus tridecemlineatus</i> . <i>Cell Biochemistry and Function</i> , 2012, 30, 166-174.	1.4	52
144	Octopine metabolism in the cuttlefish, <i>Sepia officinalis</i> : Octopine production by muscle and its role as an aerobic substrate for non-muscular tissues. <i>Journal of Comparative Physiology</i> â–j B, 1979, 131, 311-319.	2.0	51

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145	Life in a frozen state: adaptive strategies for natural freeze tolerance in amphibians and reptiles. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1990, 258, R559-R568.	0.9	51
146	Cloning and expression of PPAR α and PGC-1 α from the hibernating ground squirrel, Spermophilus tridecemlineatus. Molecular and Cellular Biochemistry, 2005, 269, 175-182.	1.4	51
147	Metabolic Regulation and Gene Expression During Aestivation. Progress in Molecular and Subcellular Biology, 2010, 49, 25-45.	0.9	51
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