

Kenneth B Storey

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

871
papers

23,969
citations

67
h-index

109
g-index

910
ext. papers

26,852
ext. citations

3.6
avg, IF

7.55
L-index

#	Paper	IF	Citations
871	Pro- and anti-apoptotic microRNAs are differentially regulated during estivation in <i>Xenopus laevis</i> .. <i>Gene</i> , 2022 , 819, 146236	3.8	0
870	Physiological Ecology of Winter Hibernation by the High-Altitude Frog .. <i>Physiological and Biochemical Zoology</i> , 2022 , 95, 201-211	2	2
869	MicroRNA, mRNA and protein responses to dehydration in skeletal muscle of the African-clawed frog, <i>Xenopus laevis</i> . <i>Gene Reports</i> , 2022 , 26, 101507	1.4	
868	The role of humanin in natural stress tolerance: An underexplored therapeutic avenue. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022 , 1866, 130022	4	1
867	Role of MicroRNAs in Extreme Animal Survival Strategies. <i>Methods in Molecular Biology</i> , 2022 , 2257, 311-347	3.47	1
866	A "notch" in the cellular communication network in response to anoxia by wood frog (<i>Rana sylvatica</i>).. <i>Cellular Signalling</i> , 2022 , 93, 110305	4.9	0
865	Lessons from nature: Leveraging the freeze-tolerant wood frog as a model to improve organ cryopreservation and biobanking.. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022 , 110747	2.3	
864	Regulation of the cell cycle under anoxia stress in tail muscle and hepatopancreas of the freshwater crayfish, <i>Orconectes virilis</i> .. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022 , 111215	2.6	0
863	Feeding to satiation induces mild oxidative/carbonyl stress in the brain of young mice.. <i>EXCLI Journal</i> , 2022 , 21, 77-92	2.4	0
862	Cryptic Species Exist in <i>Vietnamella sinensis</i> Hsu, 1936 (Insecta: Ephemeroptera) from Studies of Complete Mitochondrial Genomes. <i>Insects</i> , 2022 , 13, 412	2.8	0
861	Regulation of the unfolded protein response during dehydration stress in African clawed frogs, <i>Xenopus laevis</i> .. <i>Cell Stress and Chaperones</i> , 2022 , 1	4	0
860	DNA damage and repair responses to freezing and anoxia stresses in wood frogs, <i>Rana sylvatica</i> . <i>Journal of Thermal Biology</i> , 2022 , 107, 103274	2.9	0
859	Activation of the Hippo Pathway in : Yapping Stops in Response to Anoxia.. <i>Life</i> , 2021 , 11,	3	1
858	Oxidative stress concept updated: Definitions, classifications, and regulatory pathways implicated. <i>EXCLI Journal</i> , 2021 , 20, 956-967	2.4	5
857	Antioxidant and non-specific immune defenses in partially freeze-tolerant Xizang plateau frogs, <i>Nanorana parkeri</i> . <i>Journal of Thermal Biology</i> , 2021 , 102, 103132	2.9	0
856	Functional genomics of abiotic environmental adaptation in lacertid lizards and other vertebrates. <i>Journal of Animal Ecology</i> , 2021 ,	4.7	1
855	Metformin to decrease COVID-19 severity and mortality: Molecular mechanisms and therapeutic potential. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 144, 112230	7.5	8

854	Middle aged turn point in parameters of oxidative stress and glucose catabolism in mouse cerebellum during lifespan: minor effects of every-other-day fasting. <i>Biogerontology</i> , 2021 , 22, 315-328	4.5	1
853	MicroRNA expression patterns in the brown fat of hibernating 13-lined ground squirrels. <i>Genomics</i> , 2021 , 113, 769-781	4.3	1
852	Isoflurane and low-level carbon monoxide exposures increase expression of pro-survival miRNA in neonatal mouse heart. <i>Cell Stress and Chaperones</i> , 2021 , 26, 541-548	4	0
851	Nrf2 activates antioxidant enzymes in the anoxia-tolerant red-eared slider turtle, <i>Trachemys scripta elegans</i> . <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2021 , 335, 426-435 ^{1.9}	1.9	1
850	Every-other-day fasting reduces glycolytic capability in the skeletal muscle of young mice. <i>Biologia (Poland)</i> , 2021 , 76, 1627-1634	1.5	
849	Mitochondria and the Frozen Frog. <i>Antioxidants</i> , 2021 , 10,	7.1	6
848	Hypoxic Jumbo Squid Activate Neuronal Apoptosis but Not MAPK or Antioxidant Enzymes during Oxidative Stress. <i>Physiological and Biochemical Zoology</i> , 2021 , 94, 171-179	2	0
847	mTOR Signaling in Metabolic Stress Adaptation. <i>Biomolecules</i> , 2021 , 11,	5.9	3
846	The Activation of Prosurvival Pathways in during Torpor. <i>Physiological and Biochemical Zoology</i> , 2021 , 94, 180-187	2	0
845	Mitogenome Analysis of Four Lamiinae Species (Coleoptera: Cerambycidae) and Gene Expression Responses by When Infected with the Parasitic Nematode,. <i>Insects</i> , 2021 , 12,	2.8	5
844	The first complete mitochondrial genome of (Gahan 1906) (Coleoptera: Cerambycidae: Cerambycinae) and its phylogeny. <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 1929-1931	0.5	
843	Drosophila insulin-like peptides regulate concentration-dependent changes of appetite to different carbohydrates. <i>Zoology</i> , 2021 , 146, 125927	1.7	2
842	Freezing stress adaptations: Critical elements to activate Nrf2 related antioxidant defense in liver and skeletal muscle of the freeze tolerant wood frogs. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021 , 254, 110573	2.3	3
841	The first complete mitochondrial genome of (Okamoto, 1926) (Neuroptera: Myrmeleontidae) and its phylogeny. <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 1944-1946	0.5	0
840	Markers of tissue remodeling and inflammation in the white and brown adipose tissues of a model hibernator. <i>Cellular Signalling</i> , 2021 , 82, 109975	4.9	0
839	Epigenetic regulation by DNA methyltransferases during torpor in the thirteen-lined ground squirrel <i>Ictidomys tridecemlineatus</i> . <i>Molecular and Cellular Biochemistry</i> , 2021 , 476, 3975-3985	4.2	0
838	Increasing 28 mitogenomes of Ephemeroptera, Odonata and Plecoptera support the Chiasmomyaria hypothesis with three different outgroup combinations. <i>PeerJ</i> , 2021 , 9, e11402	3.1	5
837	Parental dietary sucrose affects metabolic and antioxidant enzyme activities in <i>Drosophila</i> . <i>Entomological Science</i> , 2021 , 24, 270-280	1.1	3

836	Insight into the Phylogenetic Relationships among Three Subfamilies within Heptageniidae (Insecta: Ephemeroptera) along with Low-Temperature Selection Pressure Analyses Using Mitogenomes. <i>Insects</i> , 2021 , 12,	2.8	2
835	The effect of long-term cold acclimation on redox state and antioxidant defense in the high-altitude frog, <i>Nanorana pleskei</i> . <i>Journal of Thermal Biology</i> , 2021 , 99, 103008	2.9	1
834	Inflammasome signaling could be used to sense and respond to endogenous damage in brown but not white adipose tissue of a hibernating ground squirrel. <i>Developmental and Comparative Immunology</i> , 2021 , 114, 103819	3.2	2
833	Freeze tolerance and the underlying metabolite responses in the Xizang plateau frog, <i>Nanorana parkeri</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021 , 191, 173-184	2.2	5
832	Middle age as a turning point in mouse cerebral cortex energy and redox metabolism: Modulation by every-other-day fasting. <i>Experimental Gerontology</i> , 2021 , 145, 111182	4.5	10
831	5PAdenosine monophosphate deaminase regulation in ground squirrels during hibernation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021 , 253, 110543	2.3	0
830	Hypoxic naked mole-rat brains use microRNA to coordinate hypometabolic fuels and neuroprotective defenses. <i>Journal of Cellular Physiology</i> , 2021 , 236, 5080-5097	7	4
829	Regulation of an important glycolytic enzyme, pyruvate kinase, through phosphorylation in the larvae of a species of freeze-tolerant insect, <i>Eurosta solidaginis</i> . <i>Insect Molecular Biology</i> , 2021 , 30, 176-187	3.4	2
828	<i>Drosophila</i> insulin-like peptides: from expression to functions in a review. <i>Entomologia Experimentalis Et Applicata</i> , 2021 , 169, 195-208	2.1	8
827	Modulation of the intestinal barrier adaptive functions in red-eared slider (<i>Trachemys scripta elegans</i>) invading brackish waters. <i>Science of the Total Environment</i> , 2021 , 751, 141744	10.2	3
826	Oxidative Damage? Not a Problem! The Characterization of Humanin-like Mitochondrial Peptide in Anoxia Tolerant Freshwater Turtles. <i>Protein Journal</i> , 2021 , 40, 87-107	3.9	1
825	The impact of dextran sodium sulphate and probiotic pre-treatment in a murine model of Parkinson's disease. <i>Journal of Neuroinflammation</i> , 2021 , 18, 20	10.1	9
824	Mind the GAP: Purification and characterization of urea resistant GAPDH during extreme dehydration. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021 , 89, 544-557	4.2	
823	The Role of Retinoblastoma Protein in Cell Cycle Regulation: An Updated Review. <i>Current Molecular Medicine</i> , 2021 , 21, 620-629	2.5	4
822	Insights from a vertebrate model organism on the molecular mechanisms of whole-body dehydration tolerance. <i>Molecular and Cellular Biochemistry</i> , 2021 , 476, 2381-2392	4.2	0
821	Synchronization of seasonal acclimatization and short-term heat hardening improves physiological resilience in a changing climate. <i>Functional Ecology</i> , 2021 , 35, 686-695	5.6	7
820	Modulating Nrf2 transcription factor activity: Revealing the regulatory mechanisms of antioxidant defenses during hibernation in 13-lined ground squirrels. <i>Cell Biochemistry and Function</i> , 2021 , 39, 623-635	4.2	0
819	Coordinated expression of Jumonji and AHCY under OCT transcription factor control to regulate gene methylation in wood frogs during anoxia. <i>Gene</i> , 2021 , 788, 145671	3.8	3

818	Functional and post-translational characterization of pyruvate dehydrogenase demonstrates repression of activity in the liver but not skeletal muscle of the Richardson ground squirrel (<i>Urocyon richardsonii</i>) during hibernation. <i>Journal of Thermal Biology</i> , 2021 , 99, 102996	2.9	
817	Factors that regulate expression patterns of insulin-like peptides and their association with physiological and metabolic traits in <i>Drosophila</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2021 , 135, 103609	4.5	2
816	Three Complete Mitochondrial Genomes of , , and (Insecta: Phasmatodea) and Their Phylogeny. <i>Insects</i> , 2021 , 12,	2.8	2
815	Skeletal muscle of torpid Richardson ground squirrels (<i>Urocyon richardsonii</i>) exhibits a less active form of citrate synthase associated with lowered lysine succinylation. <i>Cryobiology</i> , 2021 , 101, 28-37	2.7	0
814	MicroRNA-mediated inhibition of AMPK coordinates tissue-specific downregulation of skeletal muscle metabolism in hypoxic naked mole-rats. <i>Journal of Experimental Biology</i> , 2021 , 224,	3	2
813	Metabolic responses of plasma to extreme environments in overwintering Tibetan frogs <i>Nanorana parkeri</i> : a metabolome integrated analysis. <i>Frontiers in Zoology</i> , 2021 , 18, 41	2.8	3
812	Novel tRNA gene rearrangements in the mitochondrial genomes of praying mantises (Mantodea: Mantidae): Translocation, duplication and pseudogenization. <i>International Journal of Biological Macromolecules</i> , 2021 , 185, 403-411	7.9	3
811	The naked truth: a comprehensive clarification and classification of current myths in naked mole-rat biology. <i>Biological Reviews</i> , 2021 ,	13.5	11
810	The mitochondrial genome of Lucas, 1869 (Phasmatodea: Lonchodinae) and its phylogeny. <i>Mitochondrial DNA Part B: Resources</i> , 2021 , 6, 3109-3111	0.5	0
809	Stable suppression of skeletal muscle fructose-1,6-bisphosphatase during ground squirrel hibernation: Potential implications of reversible acetylation as a regulatory mechanism. <i>Cryobiology</i> , 2021 , 102, 97-103	2.7	0
808	The complete mitochondrial genome of <i>Choroterpes</i> (<i>Euthralus</i>) <i>yixingensis</i> (Ephemeroptera: Leptophlebiidae) and its mitochondrial protein-coding gene expression under imidacloprid stress. <i>Gene</i> , 2021 , 800, 145833	3.8	2
807	Hypothermia promotes mitochondrial elongation in cardiac cells via inhibition of Drp1. <i>Cryobiology</i> , 2021 , 102, 42-55	2.7	0
806	Epigenetic underpinnings of freeze avoidance in the goldenrod gall moth, <i>Epiblema scudderiana</i> . <i>Journal of Insect Physiology</i> , 2021 , 134, 104298	2.4	0
805	The regulation of Akt and FoxO transcription factors during dehydration in the African clawed frog (<i>Xenopus laevis</i>). <i>Cell Stress and Chaperones</i> , 2020 , 25, 887-897	4	4
804	Proteomics of intracellular freezing survival. <i>PLoS ONE</i> , 2020 , 15, e0233048	3.7	0
803	Dehydration stress alters the mitogen-activated-protein kinase signaling and chaperone stress response in <i>Xenopus laevis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 246-247, 110461	2.3	0
802	The Ratio of Linoleic and Linolenic Acid in the Pre-hibernation Diet Influences NF- κ B Signaling in Garden Dormice During Torpor. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 97	5.6	3
801	MondoA:MLX complex regulates glucose-dependent gene expression and links to circadian rhythm in liver and brain of the freeze-tolerant wood frog, <i>Rana sylvatica</i> . <i>Molecular and Cellular Biochemistry</i> , 2020 , 473, 203-216	4.2	2

800	Characterizing the regulation of pyruvate kinase in response to hibernation in ground squirrel liver (<i>Urocyon richardsonii</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 248-249, 110466	2.3	1
799	Suspended in time: Molecular responses to hibernation also promote longevity. <i>Experimental Gerontology</i> , 2020 , 134, 110889	4.5	10
798	TOR signaling inhibition in intestinal stem and progenitor cells affects physiology and metabolism in <i>Drosophila</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 243-244, 110424	2.3	3
797	The brains of six African mole-rat species show divergent responses to hypoxia. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	12
796	Differential protein phosphorylation is responsible for hypoxia-induced regulation of the Akt/mTOR pathway in naked mole rats. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 242, 110653	2.6	7
795	Mating status affects <i>Drosophila</i> lifespan, metabolism and antioxidant system. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 246, 110716	2.6	4
794	Metabolic characteristics of overwintering by the high-altitude dwelling Xizang plateau frog, <i>Nanorana parkeri</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020 , 190, 433-444	2.2	6
793	The OxymiR response to oxygen limitation: a comparative microRNA perspective. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	9
792	Regrowth and neuronal protection are key for mammalian hibernation: roles for metabolic suppression. <i>Neural Regeneration Research</i> , 2020 , 15, 2027-2028	4.5	0
791	Purification and Regulation of Pyruvate Kinase from the Foot Muscle of the Anoxia and Freeze Tolerant Marine Snail, <i>Littorina littorea</i> . <i>Protein Journal</i> , 2020 , 39, 531-541	3.9	0
790	Anise Hyssop Increases Lifespan, Stress Resistance, and Metabolism by Affecting Free Radical Processes in. <i>Frontiers in Physiology</i> , 2020 , 11, 596729	4.6	2
789	Characterization of the mitochondrial genomes of two toads, (<i>Anura</i> : <i>Bufo</i>) and (<i>Anura</i> : <i>Bufo</i>), with phylogenetic and selection pressure analyses. <i>PeerJ</i> , 2020 , 8, e8901	3.1	1
788	Six complete mitochondrial genomes of mayflies from three genera of Ephemeroptera (Insecta: Ephemeroptera) with inversion and translocation of rearrangement and their phylogenetic relationships. <i>PeerJ</i> , 2020 , 8, e9740	3.1	10
787	Multi-tissue profile of NFB pathway regulation during mammalian hibernation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 246-247, 110460	2.3	0
786	Regulation of Peroxisome Proliferator-Activated Receptor Pathway During Torpor in the Garden Dormouse,. <i>Frontiers in Physiology</i> , 2020 , 11, 615025	4.6	0
785	Regulation of the β -ketoglutarate dehydrogenase complex during hibernation in a small mammal, the Richardson's ground squirrel (<i>Urocyon richardsonii</i>). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140448	4	1
784	The hypoxia tolerance of eight related African mole-rat species rivals that of naked mole-rats, despite divergent ventilatory and metabolic strategies in severe hypoxia. <i>Acta Physiologica</i> , 2020 , 228, e13436	5.6	20
783	Adaptations to the mudflat: Insights from physiological and transcriptional responses to thermal stress in a burrowing bivalve <i>Sinonovacula constricta</i> . <i>Science of the Total Environment</i> , 2020 , 710, 136280	10.2	14

782	Profiling torpor-responsive microRNAs in muscles of the hibernating primate <i>Microcebus murinus</i> . <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020 , 1863, 194473	6	7
781	Advances and applications of environmental stress adaptation research. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 240, 110623	2.6	5
780	Role of Akt signaling pathway regulation in the speckled mousebird (<i>Colius striatus</i>) during torpor displays tissue specific responses. <i>Cellular Signalling</i> , 2020 , 75, 109763	4.9	1
779	Regulation of NF-B, FHC and SOD2 in response to oxidative stress in the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>Cryobiology</i> , 2020 , 97, 28-36	2.7	3
778	Phosphoproteomic Analysis of Reveals Expression and Phosphorylation of Hypoxia-Inducible PFKFB3 during Dehydration. <i>IScience</i> , 2020 , 23, 101598	6.1	1
777	RAGE against the stress: Mitochondrial suppression in hypometabolic hearts. <i>Gene</i> , 2020 , 761, 145039	3.8	1
776	Regulation of antioxidant systems in response to anoxia and reoxygenation in <i>Rana sylvatica</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 243-244, 110436	2.3	7
775	Marine periwinkle stress-responsive microRNAs: A potential factor to reflect anoxia and freezing survival adaptations. <i>Genomics</i> , 2020 , 112, 4385-4398	4.3	1
774	Dynamic regulation of histone H3 lysine (K) acetylation and deacetylation during prolonged oxygen deprivation in a champion anaerobe. <i>Molecular and Cellular Biochemistry</i> , 2020 , 474, 229-241	4.2	3
773	DNA methylation and regulation of DNA methyltransferases in a freeze-tolerant vertebrate. <i>Biochemistry and Cell Biology</i> , 2020 , 98, 145-153	3.6	5
772	Mitochondria, metabolic control and microRNA: Advances in understanding amphibian freeze tolerance. <i>BioFactors</i> , 2020 , 46, 220-228	6.1	11
771	Carb-Loading: Freeze-Induced Activation of the Glucose-Responsive ChREBP Transcriptional Network in Wood Frogs. <i>Physiological and Biochemical Zoology</i> , 2020 , 93, 49-61	2	4
770	MicroRNAs facilitate skeletal muscle maintenance and metabolic suppression in hibernating brown bears. <i>Journal of Cellular Physiology</i> , 2020 , 235, 3984-3993	7	9
769	Cold-inducible RNA-binding protein Cirp, but not Rbm3, may regulate transcript processing and protection in tissues of the hibernating ground squirrel. <i>Cell Stress and Chaperones</i> , 2020 , 25, 857-868	4	1
768	MicroRNA expression in the heart of <i>Xenopus laevis</i> facilitates metabolic adaptation to dehydration. <i>Genomics</i> , 2020 , 112, 3525-3536	4.3	7
767	Insulin Signaling in Intestinal Stem and Progenitor Cells as an Important Determinant of Physiological and Metabolic Traits in. <i>Cells</i> , 2020 , 9,	7.9	8
766	The Torpid State: Recent Advances in Metabolic Adaptations and Protective Mechanisms. <i>Frontiers in Physiology</i> , 2020 , 11, 623665	4.6	13
765	Glucose and urea metabolic enzymes are differentially phosphorylated during freezing, anoxia, and dehydration exposures in a freeze tolerant frog. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019 , 30, 1-13	2	11

764	Metabolic reprogramming involving glycolysis in the hibernating brown bear skeletal muscle. <i>Frontiers in Zoology</i> , 2019 , 16, 12	2.8	20
763	Positive or negative? The shell alters the relationship among behavioral defense strategy, energy metabolic levels and antioxidant capacity in freshwater turtles. <i>Frontiers in Zoology</i> , 2019 , 16, 3	2.8	1
762	Regulation of p53 in the red-eared slider (<i>Trachemys scripta elegans</i>) in response to salinity stress. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 221, 49-58	3.2	1
761	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	2.6	50
760	The complete mitochondrial genome of <i>Dryophytes versicolor</i> : Phylogenetic relationship among Hylidae and mitochondrial protein-coding gene expression in response to freezing and anoxia. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 461-469	7.9	9
759	Antioxidant responses to salinity stress in an invasive species, the red-eared slider (<i>Trachemys scripta elegans</i>) and involvement of a TOR-Nrf2 signaling pathway. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 219, 59-67	3.2	7
758	Genes of the undead: hibernation and death display different gene profiles. <i>FEBS Letters</i> , 2019 , 593, 527-532	3.8	3
757	Hibernation impacts lysine methylation dynamics in the 13-lined ground squirrel, <i>Ictidomys tridecemlineatus</i> . <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019 , 331, 234-244	1.9	3
756	The mitochondrial genome of sp. (Ephemeroptera: Caenidae) from Fujian and the phylogeny of Caenidae within Ephemeroptera. <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 5, 192-193	0.5	6
755	MiR-200-3p Is Potentially Involved in Cell Cycle Arrest by Regulating Cyclin A during Aestivation in. <i>Cells</i> , 2019 , 8,	7.9	5
754	Adenosine Monophosphate-Activated Protein Kinase Signaling Regulates Lipid Metabolism in Response to Salinity Stress in the Red-Eared Slider Turtle. <i>Frontiers in Physiology</i> , 2019 , 10, 962	4.6	5
753	Characterization of ice recrystallization inhibition activity in the novel freeze-responsive protein Fr10 from freeze-tolerant wood frogs, <i>Rana sylvatica</i> . <i>Journal of Thermal Biology</i> , 2019 , 84, 426-430	2.9	4
752	Identification of a prosurvival neuroprotective mitochondrial peptide in a mammalian hibernator. <i>Cell Biochemistry and Function</i> , 2019 , 37, 494-503	4.2	6
751	Response of the Chinese Soft-Shell Turtle to Acute Heat Stress: Insights From the Systematic Antioxidant Defense. <i>Frontiers in Physiology</i> , 2019 , 10, 710	4.6	6
750	In defense of proteins: Chaperones respond to freezing, anoxia, or dehydration stress in tissues of freeze tolerant wood frogs. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019 , 331, 392-402	1.9	7
749	Metabolic reorganization in winter: Regulation of pyruvate dehydrogenase (PDH) during long-term freezing and anoxia. <i>Cryobiology</i> , 2019 , 86, 10-18	2.7	7
748	Glucose-6-phosphate dehydrogenase is posttranslationally regulated in the larvae of the freeze-tolerant gall fly, <i>Eurosta solidaginis</i> , in response to freezing. <i>Archives of Insect Biochemistry and Physiology</i> , 2019 , 102, e21618	2.3	2
747	Multi-omics investigations within the Phylum Mollusca, Class Gastropoda: from ecological application to breakthrough phylogenomic studies. <i>Briefings in Functional Genomics</i> , 2019 , 18, 377-394	4.9	2

746	Naked mole rats activate neuroprotective proteins during hypoxia. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019 , 331, 571-576	1.9	7
745	Intermittent fasting causes metabolic stress and leucopenia in young mice. <i>Ukrainian Biochemical Journal</i> , 2019 , 91, 53-64	0.7	6
744	Estivation-responsive microRNAs in a hypometabolic terrestrial snail. <i>PeerJ</i> , 2019 , 7, e6515	3.1	8
743	Comparative analysis of the liver transcriptome in the red-eared slider under chronic salinity stress. <i>PeerJ</i> , 2019 , 7, e6538	3.1	3
742	The complete mitochondrial genome of : high gene rearrangement and phylogenetics of one of the world's largest frogs. <i>PeerJ</i> , 2019 , 7, e7532	3.1	2
741	The heart of a hibernator: EGFR and MAPK signaling in cardiac muscle during the hibernation of thirteen-lined ground squirrels,. <i>PeerJ</i> , 2019 , 7, e7587	3.1	10
740	The complete mitochondrial genomes of five longicorn beetles (Coleoptera: Cerambycidae) and phylogenetic relationships within Cerambycidae. <i>PeerJ</i> , 2019 , 7, e7633	3.1	24
739	Navigating oxygen deprivation: liver transcriptomic responses of the red eared slider turtle to environmental anoxia. <i>PeerJ</i> , 2019 , 7, e8144	3.1	9
738	Angiogenic signaling in the lungs of a metabolically suppressed hibernating mammal (). <i>PeerJ</i> , 2019 , 7, e8116	3.1	1
737	Molecular control of protein synthesis, glucose metabolism, and apoptosis in the brain of hibernating thirteen-lined ground squirrels. <i>Biochemistry and Cell Biology</i> , 2019 , 97, 536-544	3.6	8
736	The complete mitochondrial genome of (Mantodea: Mantidae) from Canada and its phylogeny. <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 4, 3797-3799	0.5	3
735	Every-Other-Day Feeding Decreases Glycolytic and Mitochondrial Energy-Producing Potentials in the Brain and Liver of Young Mice. <i>Frontiers in Physiology</i> , 2019 , 10, 1432	4.6	8
734	Purification of carbamoyl phosphate synthetase 1 (CPS1) from wood frog (<i>Rana sylvatica</i>) liver and its regulation in response to ice-nucleation and subsequent whole-body freezing. <i>Molecular and Cellular Biochemistry</i> , 2019 , 455, 29-39	4.2	2
733	Effect of exogenous hydrogen peroxide on ROS balance and antioxidant response in Chinese soft-shelled turtle <i>Pelodiscus sinensis</i> . <i>Aquaculture</i> , 2019 , 501, 293-303	4.4	4
732	Purification and characterization of a urea sensitive lactate dehydrogenase from skeletal muscle of the African clawed frog, <i>Xenopus laevis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019 , 189, 271-281	2.2	2
731	Antioxidant response to acute cold exposure and during recovery in juvenile Chinese soft-shelled turtles (). <i>Journal of Experimental Biology</i> , 2019 , 222,	3	7
730	The squirrel with the lagging eIF2: Global suppression of protein synthesis during torpor. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019 , 227, 161-171	2.6	8
729	Bringing nature back: using hibernation to reboot organ preservation. <i>FEBS Journal</i> , 2019 , 286, 1094-1107	3.7	6

728	Interplay between diet-induced obesity and oxidative stress: Comparison between <i>Drosophila</i> and mammals. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019 , 228, 18-28	2.6	16
727	The mitochondrial genomes of <i>Statilia maculata</i> and <i>S. nemoralis</i> (Mantidae: Mantinae) with different duplications of <i>trnR</i> genes. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 839-843	7.9	10
726	Implications of amino acid sensing and dietary protein to the aging process. <i>Experimental Gerontology</i> , 2019 , 115, 69-78	4.5	19
725	Temperature and serine phosphorylation regulate glycerol-3-phosphate dehydrogenase in skeletal muscle of hibernating Richardson's ground squirrels. <i>Biochemistry and Cell Biology</i> , 2019 , 97, 148-157	3.6	0
724	Acute exposure to copper induces variable intensity of oxidative stress in goldfish tissues. <i>Fish Physiology and Biochemistry</i> , 2018 , 44, 841-852	2.7	8
723	A lesson from the oxidative metabolism of hibernator heart: Possible strategy for cardioprotection. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018 , 219-220, 1-9	2.3	6
722	Digital Gene Expression Profiling reveals transcriptional responses to acute cold stress in Chinese soft-shelled turtle <i>Pelodiscus sinensis</i> juveniles. <i>Cryobiology</i> , 2018 , 81, 43-56	2.7	7
721	Proteolysis inhibition by hibernating bear serum leads to increased protein content in human muscle cells. <i>Scientific Reports</i> , 2018 , 8, 5525	4.9	21
720	The complete mitochondrial genome of the hybrid of (?) and its phylogeny. <i>Mitochondrial DNA Part B: Resources</i> , 2018 , 3, 344-345	0.5	3
719	Dynamic regulation of six histone H3 lysine (K) methyltransferases in response to prolonged anoxia exposure in a freshwater turtle. <i>Gene</i> , 2018 , 649, 50-57	3.8	21
718	Increased transcript levels and kinetic function of pyruvate kinase during severe dehydration in aestivating African clawed frogs, <i>Xenopus laevis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018 , 224, 245-252	2.3	7
717	Functional impact of microRNA regulation in models of extreme stress adaptation. <i>Journal of Molecular Cell Biology</i> , 2018 , 10, 93-101	6.3	41
716	Strategies of biochemical adaptation for hibernation in a South American marsupial <i>Dromiciops gliroides</i> : 1. Mitogen-activated protein kinases and the cell stress response. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018 , 224, 12-18	2.3	10
715	Strategies of biochemical adaptation for hibernation in a South American marsupial, <i>Dromiciops gliroides</i> : 4. Regulation of pyruvate dehydrogenase complex and metabolic fuel selection. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018 , 224, 32-37	2.3	8
714	Strategies of biochemical adaptation for hibernation in a South American marsupial, <i>Dromiciops gliroides</i> : 2. Control of the Akt pathway and protein translation machinery. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018 , 224, 19-25	2.3	10
713	Metabolic suppression in the pelagic crab, <i>Pleuroncodes planipes</i> , in oxygen minimum zones. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018 , 224, 88-97	2.3	18
712	Higher tRNA gene duplication in mitogenomes of praying mantises (Dictyoptera, Mantodea) and the phylogeny within Mantodea. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 787-795	7.9	23
711	Strategies of biochemical adaptation for hibernation in a South American marsupial, <i>Dromiciops gliroides</i> : 3. Activation of pro-survival response pathways. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018 , 224, 26-31	2.3	5

710	Life in Suspended Animation: Role of Chaperone Proteins in Vertebrate and Invertebrate Stress Adaptation. <i>Heat Shock Proteins</i> , 2018 , 95-137	0.2	0
709	Micromanaging freeze tolerance: the biogenesis and regulation of neuroprotective microRNAs in frozen brains. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 3635-3647	10.3	22
708	Roles for lysine acetyltransferases during mammalian hibernation. <i>Journal of Thermal Biology</i> , 2018 , 74, 71-76	2.9	8
707	Elevated chaperone proteins are a feature of winter freeze avoidance by larvae of the goldenrod gall moth, <i>Epiblema scudderiana</i> . <i>Journal of Insect Physiology</i> , 2018 , 106, 106-113	2.4	6
706	Histone methylation in the freeze-tolerant wood frog (<i>Rana sylvatica</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018 , 188, 113-125	2.2	16
705	Dietary L-arginine accelerates pupation and promotes high protein levels but induces oxidative stress and reduces fecundity and life span in <i>Drosophila melanogaster</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018 , 188, 37-55	2.2	6
704	The regulation of heat shock proteins in response to dehydration in <i>Xenopus laevis</i> . <i>Cell Stress and Chaperones</i> , 2018 , 23, 45-53	4	13
703	eSnail: A transcriptome-based molecular resource of the central nervous system for terrestrial gastropods. <i>Molecular Ecology Resources</i> , 2018 , 18, 147-158	8.4	3
702	Purification and characterization of skeletal muscle pyruvate kinase from the hibernating ground squirrel, <i>Urocyon richardsonii</i> : potential regulation by posttranslational modification during torpor. <i>Molecular and Cellular Biochemistry</i> , 2018 , 442, 47-58	4.2	8
701	Regulation of nuclear factor of activated T cells (NFAT) and downstream myogenic proteins during dehydration in the African clawed frog. <i>Molecular Biology Reports</i> , 2018 , 45, 751-761	2.8	
700	Preadolescent Phthalate (DEHP) Exposure Is Associated With Elevated Locomotor Activity and Reward-Related Behavior and a Reduced Number of Tyrosine Hydroxylase Positive Neurons in Post-Adolescent Male and Female Rats. <i>Toxicological Sciences</i> , 2018 , 165, 512-530	4.4	11
699	Complete mitochondrial genomes of <i>Nanorana taihangnica</i> and <i>N. yunnanensis</i> (Anura: Dicroglossidae) with novel gene arrangements and phylogenetic relationship of Dicroglossidae. <i>BMC Evolutionary Biology</i> , 2018 , 18, 26	3	23
698	Potential role for microRNA in regulating hypoxia-induced metabolic suppression in jumbo squids. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018 , 1861, 586-593	6	15
697	Brain Dead: The Dynamic Neuroendocrinological Adaptations During Hypometabolism in Mammalian Hibernators 2018 , 207-231		
696	Solving Donor Organ Shortage with Insights from Freeze Tolerance in Nature: Activating endogenous antioxidant systems with non-coding RNA to precondition donor organs. <i>BioEssays</i> , 2018 , 40, e1800092	4.1	3
695	Identification of novel and conserved microRNA and their expression in the gray mouse lemur, <i>Microcebus murinus</i> , a primate capable of daily torpor. <i>Gene</i> , 2018 , 677, 332-339	3.8	11
694	Pesticide toxicity: a mechanistic approach. <i>EXCLI Journal</i> , 2018 , 17, 1101-1136	2.4	121
693	RBiomirGS: an all-in-one miRNA gene set analysis solution featuring target mRNA mapping and expression profile integration. <i>PeerJ</i> , 2018 , 6, e4262	3.1	12

692	Pro-inflammatory AGE-RAGE signaling is activated during arousal from hibernation in ground squirrel adipose. <i>PeerJ</i> , 2018 , 6, e4911	3.1	10
691	-Characterization of pyruvate kinase from the anoxia tolerant turtle, : a potential role for enzyme methylation during metabolic rate depression. <i>PeerJ</i> , 2018 , 6, e4918	3.1	3
690	Transcriptional regulation of metabolism in disease: From transcription factors to epigenetics. <i>PeerJ</i> , 2018 , 6, e5062	3.1	5
689	The potential contribution of miRNA-200-3p to the fatty acid metabolism by regulating during aestivation in sea cucumber. <i>PeerJ</i> , 2018 , 6, e5703	3.1	8
688	Characteristics of the complete mitochondrial genome of (Neuroptera, Ascalaphidae) and its phylogenetic implications. <i>PeerJ</i> , 2018 , 6, e5914	3.1	11
687	The evaluation of anoxia responsive E2F DNA binding activity in the red eared slider turtle,. <i>PeerJ</i> , 2018 , 6, e4755	3.1	1
686	Translational regulation in the anoxic turtle, <i>Trachemys scripta elegans</i> . <i>Molecular and Cellular Biochemistry</i> , 2018 , 445, 13-23	4.2	3
685	Regulation of Smad mediated microRNA transcriptional response in ground squirrels during hibernation. <i>Molecular and Cellular Biochemistry</i> , 2018 , 439, 151-161	4.2	8
684	Data for praying mantis mitochondrial genomes and phylogenetic constructions within Mantodea. <i>Data in Brief</i> , 2018 , 21, 1277-1285	1.2	2
683	Effects of anoxic exposure on the nuclear factor of activated T cell (NFAT) transcription factors in the stress-tolerant wood frog. <i>Cell Biochemistry and Function</i> , 2018 , 36, 420-430	4.2	3
682	Gene characteristics of the complete mitochondrial genomes of and (Mantodea: Toxoderidae). <i>PeerJ</i> , 2018 , 6, e4595	3.1	22
681	A functional transcriptomic analysis in the relict marsupial <i>Dromiciops gliroides</i> reveals adaptive regulation of protective functions during hibernation. <i>Molecular Ecology</i> , 2018 , 27, 4489-4500	5.7	18
680	The complete mitochondrial genome of (Anura: Dicroglossidae) and its phylogeny. <i>Mitochondrial DNA Part B: Resources</i> , 2018 , 3, 551-553	0.5	3
679	MicroRNAs regulate survival in oxygen-deprived environments. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	12
678	Selection of reference genes for accurate RT-qPCR analysis of dehydration tolerance in <i>Xenopus laevis</i> . <i>Gene Reports</i> , 2018 , 13, 192-198	1.4	5
677	The Living Dead: Mitochondria and Metabolic Arrest. <i>IUBMB Life</i> , 2018 , 70, 1260-1266	4.7	10
676	Insulin-Like Peptides Regulate Feeding Preference and Metabolism in. <i>Frontiers in Physiology</i> , 2018 , 9, 1083	4.6	34
675	A potential antiapoptotic regulation: The interaction of heat shock protein 70 and apoptosis-inducing factor mitochondrial 1 during heat stress and aestivation in sea cucumber. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018 , 329, 103	1.9	3

674	The mitochondrial genome of sp. (Ephemeroptera: Caenidae) and the phylogeny of Ephemeroptera in Pterygota. <i>Mitochondrial DNA Part B: Resources</i> , 2018 , 3, 577-579	0.5	12
673	FoxO4 activity is regulated by phosphorylation and the cellular environment during dehydration in the African clawed frog, <i>Xenopus laevis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1721-1728	4	7
672	The complete mitochondrial genome of (Ephemeroptera: Isonychiidae). <i>Mitochondrial DNA Part B: Resources</i> , 2018 , 3, 541-542	0.5	10
671	Stress-induced antioxidant defense and protein chaperone response in the freeze-tolerant wood frog <i>Rana sylvatica</i> . <i>Cell Stress and Chaperones</i> , 2018 , 23, 1205-1217	4	17
670	Genes and associated peptides involved with aestivation in a land snail. <i>General and Comparative Endocrinology</i> , 2017 , 246, 88-98	3	9
669	Insect cold hardiness: the role of mitogen-activated protein kinase and Akt signalling in freeze avoiding larvae of the goldenrod gall moth, <i>Epiblema scudderiana</i> . <i>Insect Molecular Biology</i> , 2017 , 26, 181-189	3.4	10
668	The roles of hippocampal microRNAs in response to acute postnatal exposure to di(2-ethylhexyl) phthalate in female and male rats. <i>NeuroToxicology</i> , 2017 , 59, 98-104	4.4	14
667	Molecular Physiology of Freeze Tolerance in Vertebrates. <i>Physiological Reviews</i> , 2017 , 97, 623-665	47.9	97
666	The role of global histone post-translational modifications during mammalian hibernation. <i>Cryobiology</i> , 2017 , 75, 28-36	2.7	17
665	Exposure to sodium molybdate results in mild oxidative stress in <i>Drosophila melanogaster</i> . <i>Redox Report</i> , 2017 , 22, 137-146	5.9	14
664	Freeze-responsive regulation of MEF2 proteins and downstream gene networks in muscles of the wood frog, <i>Rana sylvatica</i> . <i>Journal of Thermal Biology</i> , 2017 , 67, 1-8	2.9	6
663	Amplification and quantification of cold-associated microRNAs in the Colorado potato beetle (<i>Leptinotarsa decemlineata</i>) agricultural pest. <i>Insect Molecular Biology</i> , 2017 , 26, 574-583	3.4	10
662	The promise of organ and tissue preservation to transform medicine. <i>Nature Biotechnology</i> , 2017 , 35, 530-542	44.5	246
661	Sensitive Detection of Immunoglobulin G Stability Using in Real-Time Isothermal Differential Scanning Fluorimetry: Determinants of Protein Stability for Antibody-Based Therapeutics. <i>Technology in Cancer Research and Treatment</i> , 2017 , 16, 997-1005	2.7	8
660	The role of the TOR pathway in mediating the link between nutrition and longevity. <i>Mechanisms of Ageing and Development</i> , 2017 , 164, 127-138	5.6	48
659	Acute exposure to the penconazole-containing fungicide Topas partially augments antioxidant potential in goldfish tissues. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017 , 193, 1-8	3.2	19
658	Anesthesia and Euthanasia of Amphibians and Reptiles Used in Scientific Research: Should Hypothermia and Freezing Be Prohibited?. <i>BioScience</i> , 2017 , 67, 53-61	5.7	29
657	TonEBP/NFAT5 regulates downstream osmoregulatory proteins during freeze-thaw stress in the wood frog. <i>Cryobiology</i> , 2017 , 79, 43-49	2.7	4

656	Longevity and stress resistance are affected by activation of TOR/Myc in progenitor cells of <i>Drosophila</i> gut. <i>Open Life Sciences</i> , 2017 , 12, 429-442	1.2	4
655	The complete mitochondrial genome of (Mantodea: Hymenopodidae). <i>Mitochondrial DNA Part B: Resources</i> , 2017 , 3, 42-43	0.5	8
654	Regulation of the insulin-Akt signaling pathway and glycolysis during dehydration stress in the African clawed frog <i>Xenopus laevis</i> . <i>Biochemistry and Cell Biology</i> , 2017 , 95, 663-671	3.6	8
653	Regulation of pyruvate dehydrogenase (PDH) in the hibernating ground squirrel, (<i>Ictidomys tridecemlineatus</i>). <i>Journal of Thermal Biology</i> , 2017 , 69, 199-205	2.9	19
652	MAP kinase signaling and Elk1 transcriptional activity in hibernating thirteen-lined ground squirrels. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 2811-2821	4	7
651	Regulation of glutamate dehydrogenase (GDH) in response to whole body freezing in wood frog liver linked to differential acetylation and ADP-ribosylation. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 636, 90-99	4.1	8
650	Improved high-throughput quantification of luminescent microplate assays using a common Western-blot imaging system. <i>MethodsX</i> , 2017 , 4, 413-422	1.9	5
649	Changes in the phosphoproteome of brown adipose tissue during hibernation in the ground squirrel,. <i>Physiological Genomics</i> , 2017 , 49, 462-472	3.6	10
648	Regulation of pyruvate kinase in skeletal muscle of the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>Cryobiology</i> , 2017 , 77, 25-33	2.7	10
647	Passive regeneration of glutathione: glutathione reductase regulation in the freeze-tolerant North American wood frog,. <i>Journal of Experimental Biology</i> , 2017 , 220, 3162-3171	3	6
646	Dietary alpha-ketoglutarate promotes higher protein and lower triacylglyceride levels and induces oxidative stress in larvae and young adults but not in middle-aged <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017 , 204, 28-39	2.6	15
645	Exploration of low temperature microRNA function in an anoxia tolerant vertebrate ectotherm, the red eared slider turtle (<i>Trachemys scripta elegans</i>). <i>Journal of Thermal Biology</i> , 2017 , 68, 139-146	2.9	9
644	Activation of the Tor/Myc signaling axis in intestinal stem and progenitor cells affects longevity, stress resistance and metabolism in <i>Drosophila</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017 , 203, 92-99	2.3	13
643	Avoiding apoptosis during mammalian hibernation. <i>Temperature</i> , 2017 , 4, 15-17	5.2	11
642	Osmolyte regulation by TonEBP/NFAT5 during anoxia-recovery and dehydration-rehydration stresses in the freeze-tolerant wood frog (). <i>PeerJ</i> , 2017 , 5, e2797	3.1	10
641	The role of MEF2 transcription factors in dehydration and anoxia survival in skeletal muscle. <i>PeerJ</i> , 2017 , 5, e4014	3.1	6
640	Differential peptide expression in the central nervous system of the land snail <i>Theba pisana</i> , between active and aestivated. <i>Peptides</i> , 2016 , 80, 61-71	3.8	12
639	The complete mitochondrial genome of <i>Ictidomys tridecemlineatus</i> (Rodentia: Sciuridae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2608-9	1.3	4

638	Regulation of crayfish, <i>Orconectes virilis</i> , tail muscle lactate dehydrogenase (LDH) in response to anoxic conditions is associated with alterations in phosphorylation patterns. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016 , 202, 67-74	2.3	11
637	Response of the JAK-STAT signaling pathway to oxygen deprivation in the red eared slider turtle, <i>Trachemys scripta elegans</i> . <i>Gene</i> , 2016 , 593, 34-40	3.8	5
636	Purification and Characterization of Lactate Dehydrogenase in the Foot Muscle and Hepatopancreas of <i>Otala lactea</i> . <i>Protein Journal</i> , 2016 , 35, 467-480	3.9	4
635	Characterization of cold-associated microRNAs in the freeze-tolerant gall fly <i>Eurosta solidaginis</i> using high-throughput sequencing. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016 , 20, 95-100	2	26
634	Regulation of SMAD transcription factors during freezing in the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016 , 201, 64-71	2.3	10
633	Complete mitochondrial genomes of and (Rodentia: Sciuridae). <i>Mitochondrial DNA Part B: Resources</i> , 2016 , 1, 359-360	0.5	4
632	The hibernating South American marsupial, <i>Dromiciops gliroides</i> , displays torpor-sensitive microRNA expression patterns. <i>Scientific Reports</i> , 2016 , 6, 24627	4.9	34
631	Global metabolite analysis of the land snail <i>Theba pisana</i> hemolymph during active and aestivated states. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016 , 19, 25-33	2	7
630	Understanding mechanism of sea cucumber <i>Apostichopus japonicus</i> aestivation: Insights from TMT-based proteomic study. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016 , 19, 78-89	2	13
629	Native denaturation differential scanning fluorimetry: Determining the effect of urea using a quantitative real-time thermocycler. <i>Analytical Biochemistry</i> , 2016 , 508, 114-7	3.1	8
628	Oxidative stress responses in gills of goldfish, <i>Carassius auratus</i> , exposed to the metribuzin-containing herbicide Sencor. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 45, 163-9	5.8	9
627	Post-translational Regulation of Hexokinase Function and Protein Stability in the Aestivating Frog <i>Xenopus laevis</i> . <i>Protein Journal</i> , 2016 , 35, 61-71	3.9	15
626	Regulation of gene expression by NFAT transcription factors in hibernating ground squirrels is dependent on the cellular environment. <i>Cell Stress and Chaperones</i> , 2016 , 21, 883-94	4	13
625	The complete mitochondrial genome of <i>Lithobates sylvaticus</i> (Anura: Ranidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2460-1	1.3	13
624	Lessons from mammalian hibernators: molecular insights into striated muscle plasticity and remodeling. <i>Biomolecular Concepts</i> , 2016 , 7, 69-92	3.7	13
623	MicroRNA regulation in heart and skeletal muscle over the freeze-thaw cycle in the freeze tolerant wood frog. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016 , 186, 229-41	2.2	23
622	OXIDIZED LIPIDS DID NOT REDUCE LIFESPAN IN THE FRUIT FLY, <i>Drosophila melanogaster</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2016 , 91, 52-63	2.3	11
621	Response of the JAK-STAT pathway to mammalian hibernation in 13-lined ground squirrel striated muscle. <i>Molecular and Cellular Biochemistry</i> , 2016 , 414, 115-27	4.2	15

620	Comparative enzymology-new insights from studies of an "old" enzyme, lactate dehydrogenase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016 , 199, 13-20	2.3	15
619	Life in the cold: links between mammalian hibernation and longevity. <i>Biomolecular Concepts</i> , 2016 , 7, 41-52	3.7	36
618	The role of DNA methylation during anoxia tolerance in a freshwater turtle (<i>Trachemys scripta elegans</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016 , 186, 333-42	2.2	22
617	A hydrogen peroxide safety valve: The reversible phosphorylation of catalase from the freeze-tolerant North American wood frog, <i>Rana sylvatica</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 476-85	4	25
616	Expression of nuclear factor of activated T cells (NFAT) and downstream muscle-specific proteins in ground squirrel skeletal and heart muscle during hibernation. <i>Molecular and Cellular Biochemistry</i> , 2016 , 412, 27-40	4.2	21
615	Comparative phosphoproteomic analysis of intestinal phosphorylated proteins in active versus aestivating sea cucumbers. <i>Journal of Proteomics</i> , 2016 , 135, 141-150	3.9	16
614	The complete mitochondrial genome of <i>Myotis lucifugus</i> (Chiroptera: Vespertilionidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 2423-4	1.3	5
613	Complete mitochondrial genomes of the yellow-bellied slider turtle <i>Trachemys scripta scripta</i> and anoxia tolerant red-eared slider <i>Trachemys scripta elegans</i> . <i>Mitochondrial DNA</i> , 2016 , 27, 2276-7		2
612	Anti-apoptotic response during anoxia and recovery in a freeze-tolerant wood frog (<i>Rana sylvatica</i>). <i>PeerJ</i> , 2016 , 4, e1834	3.1	28
611	Transcriptional activation of muscle atrophy promotes cardiac muscle remodeling during mammalian hibernation. <i>PeerJ</i> , 2016 , 4, e2317	3.1	15
610	RBiplot: an easy-to-use R pipeline for automated statistical analysis and data visualization in molecular biology and biochemistry. <i>PeerJ</i> , 2016 , 4, e2436	3.1	49
609	Current Progress of High-Throughput MicroRNA Differential Expression Analysis and Random Forest Gene Selection for Model and Non-Model Systems: an R Implementation. <i>Journal of Integrative Bioinformatics</i> , 2016 , 13,	3.8	17
608	Analysis of microRNA expression during the torpor-arousal cycle of a mammalian hibernator, the 13-lined ground squirrel. <i>Physiological Genomics</i> , 2016 , 48, 388-96	3.6	27
607	Multi-tissue transcriptomics for construction of a comprehensive gene resource for the terrestrial snail <i>Theba pisana</i> . <i>Scientific Reports</i> , 2016 , 6, 20685	4.9	7
606	Turn down genes for WAT? Activation of anti-apoptosis pathways protects white adipose tissue in metabolically depressed thirteen-lined ground squirrels. <i>Molecular and Cellular Biochemistry</i> , 2016 , 416, 47-62	4.2	12
605	The complete mitochondrial genomes of four cockroaches (Insecta: Blattodea) and phylogenetic analyses within cockroaches. <i>Gene</i> , 2016 , 586, 115-22	3.8	36
604	Tissue-specific response of carbohydrate-responsive element binding protein (ChREBP) to mammalian hibernation in 13-lined ground squirrels. <i>Cryobiology</i> , 2016 , 73, 103-11	2.7	9
603	Alpha-ketoglutarate reduces ethanol toxicity in <i>Drosophila melanogaster</i> by enhancing alcohol dehydrogenase activity and antioxidant capacity. <i>Alcohol</i> , 2016 , 55, 23-33	2.7	8

602	Inhibition of skeletal muscle atrophy during torpor in ground squirrels occurs through downregulation of MyoG and inactivation of Foxo4. <i>Cryobiology</i> , 2016 , 73, 112-9	2.7	13
601	Gene structure, expression, and DNA methylation characteristics of sea cucumber cyclin B gene during aestivation. <i>Gene</i> , 2016 , 594, 82-88	3.8	9
600	Purification and properties of glycerol-3-phosphate dehydrogenase from the liver of the hibernating ground squirrel, <i>Uroditellus richardsonii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016 , 202, 48-55	2.3	6
599	Torpor-responsive expression of novel microRNA regulating metabolism and other cellular pathways in the thirteen-lined ground squirrel, <i>Ictidomys tridecemlineatus</i> . <i>FEBS Letters</i> , 2016 , 590, 3574-3582 ²⁰	2.8	20
598	Hepatotoxicity of herbicide Sencor in goldfish may result from induction of mild oxidative stress. <i>Pesticide Biochemistry and Physiology</i> , 2015 , 122, 67-75	4.9	18
597	Muscle satellite cells increase during hibernation in ground squirrels. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015 , 189, 55-61	2.3	7
596	Expression of miRNAs in response to freezing and anoxia stresses in the freeze tolerant fly <i>Eurosta solidaginis</i> . <i>Cryobiology</i> , 2015 , 71, 97-102	2.7	17
595	Toxicity of environmental Gesagard to goldfish may be connected with induction of low intensity oxidative stress in concentration- and tissue-related manners. <i>Aquatic Toxicology</i> , 2015 , 165, 249-58	5.1	8
594	Regulation of Torpor in the Gray Mouse Lemur: Transcriptional and Translational Controls and Role of AMPK Signaling. <i>Genomics, Proteomics and Bioinformatics</i> , 2015 , 13, 103-10	6.5	17
593	Dynamic changes in global and gene-specific DNA methylation during hibernation in adult thirteen-lined ground squirrels, <i>Ictidomys tridecemlineatus</i> . <i>Journal of Experimental Biology</i> , 2015 , 218, 1787-95	3	42
592	Insight into post-transcriptional gene regulation: stress-responsive microRNAs and their role in the environmental stress survival of tolerant animals. <i>Journal of Experimental Biology</i> , 2015 , 218, 1281-9	3	47
591	Alpha-ketoglutarate attenuates toxic effects of sodium nitroprusside and hydrogen peroxide in <i>Drosophila melanogaster</i> . <i>Environmental Toxicology and Pharmacology</i> , 2015 , 40, 650-9	5.8	26
590	Characterization of the SIRT family of NAD ⁺ -dependent protein deacetylases in the context of a mammalian model of hibernation, the thirteen-lined ground squirrel. <i>Cryobiology</i> , 2015 , 71, 334-43	2.7	31
589	Dehydration triggers differential microRNA expression in <i>Xenopus laevis</i> brain. <i>Gene</i> , 2015 , 573, 64-9	3.8	20
588	A framework for improving microRNA prediction in non-human genomes. <i>Nucleic Acids Research</i> , 2015 , 43, e138	20.1	23
587	Identification and profiling of miRNAs in the freeze-avoiding gall moth <i>Epiblema scudderiana</i> via next-generation sequencing. <i>Molecular and Cellular Biochemistry</i> , 2015 , 410, 155-63	4.2	26
586	Post-translational regulation of PTEN catalytic function and protein stability in the hibernating 13-lined ground squirrel. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 2196-202	4	7
585	Induction of Antioxidant and Heat Shock Protein Responses During Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015 , 13, 119-26	6.5	27

584	Cytokine and Antioxidant Regulation in the Intestine of the Gray Mouse Lemur (<i>Microcebus murinus</i>) During Torpor. <i>Genomics, Proteomics and Bioinformatics</i> , 2015 , 13, 127-35	6.5	6
583	Regulation of the PI3K/AKT Pathway and Fuel Utilization During Primate Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015 , 13, 91-102	6.5	23
582	The Gray Mouse Lemur: A Model for Studies of Primate Metabolic Rate Depression. Preface. <i>Genomics, Proteomics and Bioinformatics</i> , 2015 , 13, 77-80	6.5	6
581	Modulation of Gene Expression in Key Survival Pathways During Daily Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015 , 13, 111-8	6.5	11
580	Primate Torpor: Regulation of Stress-activated Protein Kinases During Daily Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015 , 13, 81-90	6.5	27
579	Low-temperature microRNA expression in the painted turtle, <i>Chrysemys picta</i> during freezing stress. <i>FEBS Letters</i> , 2015 , 589, 3665-70	3.8	14
578	Free-radical first responders: the characterization of CuZnSOD and MnSOD regulation during freezing of the freeze-tolerant North American wood frog, <i>Rana sylvatica</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 97-106	4	29
577	Sodium chromate demonstrates some insulin-mimetic properties in the fruit fly <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 167, 74-80	3.2	8
576	Identification of a novel dehydration responsive gene, drp10, from the African clawed frog, <i>Xenopus laevis</i> . <i>Journal of Experimental Zoology</i> , 2015 , 323, 375-81		4
575	Expression and Characterization of the Novel Gene fr47 during Freezing in the Wood Frog, <i>Rana sylvatica</i> . <i>Biochemistry Research International</i> , 2015 , 2015, 363912	2.4	5
574	Transcriptional Activation of p53 during Cold Induced Torpor in the 13-Lined Ground Squirrel <i>Ictidomys tridecemlineatus</i> . <i>Biochemistry Research International</i> , 2015 , 2015, 731595	2.4	7
573	Turtle anoxia tolerance: Biochemistry and gene regulation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 1188-96	4	28
572	Molecular insights into land snail neuropeptides through transcriptome and comparative gene analysis. <i>BMC Genomics</i> , 2015 , 16, 308	4.5	44
571	Transcript expression of the freeze responsive gene fr10 in <i>Rana sylvatica</i> during freezing, anoxia, dehydration, and development. <i>Molecular and Cellular Biochemistry</i> , 2015 , 399, 17-25	4.2	13
570	Regulation of hypometabolism: insights into epigenetic controls. <i>Journal of Experimental Biology</i> , 2015 , 218, 150-9	3	102
569	DNA methylation levels analysis in four tissues of sea cucumber <i>Apostichopus japonicus</i> based on fluorescence-labeled methylation-sensitive amplified polymorphism (F-MSAP) during aestivation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015 , 181, 26-32	2.3	21
568	The regulation of troponins I, C and ANP by GATA4 and Nkx2-5 in heart of hibernating thirteen-lined ground squirrels, <i>Ictidomys tridecemlineatus</i> . <i>PLoS ONE</i> , 2015 , 10, e0117747	3.7	19
567	FoxO3a-mediated activation of stress responsive genes during early torpor in a mammalian hibernator. <i>Molecular and Cellular Biochemistry</i> , 2014 , 390, 185-95	4.2	26

566	The involvement of mRNA processing factors TIA-1, TIAR, and PABP-1 during mammalian hibernation. <i>Cell Stress and Chaperones</i> , 2014 , 19, 813-25	4	10
565	Tissue-specific induction of oxidative stress in goldfish by 2,4-dichlorophenoxyacetic acid: mild in brain and moderate in liver and kidney. <i>Environmental Toxicology and Pharmacology</i> , 2014 , 37, 861-9	5.8	17
564	Characterization of adipocyte stress response pathways during hibernation in thirteen-lined ground squirrels. <i>Molecular and Cellular Biochemistry</i> , 2014 , 393, 271-82	4.2	32
563	Purification and characterization of a urea sensitive lactate dehydrogenase from the liver of the African clawed frog, <i>Xenopus laevis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014 , 184, 601-11	2.2	19
562	Regulation of glucokinase activity in liver of hibernating ground squirrel <i>Spermophilus undulatus</i> . <i>Biochemistry (Moscow)</i> , 2014 , 79, 727-32	2.9	0
561	New Approaches to Comparative and Animal Stress Biology Research in the Post-genomic Era: A Contextual Overview. <i>Computational and Structural Biotechnology Journal</i> , 2014 , 11, 138-46	6.8	7
560	Novel detection method for chemiluminescence derived from the Kinase-Glo luminescent kinase assay platform: Advantages over traditional microplate luminometers. <i>MethodsX</i> , 2014 , 1, 96-101	1.9	5
559	Molybdate partly mimics insulin-promoted metabolic effects in <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014 , 165, 76-82	3.2	21
558	Histopathological and biochemical changes in goldfish kidney due to exposure to the herbicide Sencor may be related to induction of oxidative stress. <i>Aquatic Toxicology</i> , 2014 , 155, 181-9	5.1	31
557	High-throughput amplification of mature microRNAs in uncharacterized animal models using polyadenylated RNA and stem-loop reverse transcription polymerase chain reaction. <i>Analytical Biochemistry</i> , 2014 , 462, 32-4	3.1	36
556	Activation of the carbohydrate response element binding protein (ChREBP) in response to anoxia in the turtle <i>Trachemys scripta elegans</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 3000-5 ⁴		14
555	Global DNA modifications suppress transcription in brown adipose tissue during hibernation. <i>Cryobiology</i> , 2014 , 69, 333-8	2.7	29
554	Metabolic suppression during protracted exposure to hypoxia in the jumbo squid, <i>Dosidicus gigas</i> , living in an oxygen minimum zone. <i>Journal of Experimental Biology</i> , 2014 , 217, 2555-68	3	36
553	Large-scale identification and comparative analysis of miRNA expression profile in the respiratory tree of the sea cucumber <i>Apostichopus japonicus</i> during aestivation. <i>Marine Genomics</i> , 2014 , 13, 39-44	1.9	38
552	RNA-seq dependent transcriptional analysis unveils gene expression profile in the intestine of sea cucumber <i>Apostichopus japonicus</i> during aestivation. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014 , 10, 30-43	2	20
551	A high-throughput protocol for message RNA quantification using RNA dot-blots. <i>Analytical Biochemistry</i> , 2014 , 452, 31-3	3.1	6
550	To be or not to be: the regulation of mRNA fate as a survival strategy during mammalian hibernation. <i>Cell Stress and Chaperones</i> , 2014 , 19, 763-76	4	15
549	The Mancozeb-containing carbamate fungicide tattoo induces mild oxidative stress in goldfish brain, liver, and kidney. <i>Environmental Toxicology</i> , 2014 , 29, 1227-35	4.2	22

548	Expression profiling and structural characterization of microRNAs in adipose tissues of hibernating ground squirrels. <i>Genomics, Proteomics and Bioinformatics</i> , 2014 , 12, 284-91	6.5	34
547	Transitioning between entry and exit from mammalian torpor: The involvement of signal transduction pathways. <i>Temperature</i> , 2014 , 1, 92-3	5.2	0
546	Differential gene expression in the respiratory tree of the sea cucumber <i>Apostichopus japonicus</i> during aestivation. <i>Marine Genomics</i> , 2014 , 18 Pt B, 173-83	1.9	24
545	Insight into temperature-dependent microRNA function in mammalian hibernators: Perspectives on cold-influenced microRNA/target interaction. <i>Temperature</i> , 2014 , 1, 84-6	5.2	8
544	Regulation of the <i>Rana sylvatica</i> brevinin-1SY antimicrobial peptide during development and in dorsal and ventral skin in response to freezing, anoxia and dehydration. <i>Journal of Experimental Biology</i> , 2014 , 217, 1392-401	3	14
543	Identification and expression of microRNA in the brain of hibernating bats, <i>Myotis lucifugus</i> . <i>Gene</i> , 2014 , 544, 67-74	3.8	36
542	Protein kinase C in the wood frog, <i>Rana sylvatica</i> : reassessing the tissue-specific regulation of PKC isozymes during freezing. <i>PeerJ</i> , 2014 , 2, e558	3.1	7
541	Purification and properties of glyceraldehyde-3-phosphate dehydrogenase from the skeletal muscle of the hibernating ground squirrel, <i>Ictidomys tridecemlineatus</i> . <i>PeerJ</i> , 2014 , 2, e634	3.1	9
540	The western painted turtle genome, a model for the evolution of extreme physiological adaptations in a slowly evolving lineage. <i>Genome Biology</i> , 2013 , 14, R28	18.3	227
539	Molecular biology of freezing tolerance. <i>Comprehensive Physiology</i> , 2013 , 3, 1283-308	7.7	110
538	Goldfish can recover after short-term exposure to 2,4-dichlorophenoxyacetate: use of blood parameters as vital biomarkers. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013 , 157, 259-65	3.2	9
537	The effects of hibernation on the contractile and biochemical properties of skeletal muscles in the thirteen-lined ground squirrel, <i>Ictidomys tridecemlineatus</i> . <i>Journal of Experimental Biology</i> , 2013 , 216, 2587-94	3	28
536	Metabolic mechanisms for anoxia tolerance and freezing survival in the intertidal gastropod, <i>Littorina littorea</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 165, 448-59	2.6	26
535	Dehydration mediated microRNA response in the African clawed frog <i>Xenopus laevis</i> . <i>Gene</i> , 2013 , 529, 269-75	3.8	40
534	Oxidative stress as a mechanism for toxicity of 2,4-dichlorophenoxyacetic acid (2,4-D): studies with goldfish gills. <i>Ecotoxicology</i> , 2013 , 22, 1498-508	2.9	40
533	The impact of cold acclimation and hibernation on antioxidant defenses in the ground squirrel (<i>Spermophilus citellus</i>): an update. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 916-924	7.8	33
532	The mitochondrial uncoupler 2,4-dinitrophenol attenuates sodium nitroprusside-induced toxicity in <i>Drosophila melanogaster</i> : potential involvement of free radicals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013 , 158, 244-52	3.2	6
531	S-nitrosoglutathione-induced toxicity in <i>Drosophila melanogaster</i> : Delayed pupation and induced mild oxidative/nitrosative stress in eclosed flies. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 164, 162-70	2.6	27

530	Activation of the unfolded protein response during anoxia exposure in the turtle <i>Trachemys scripta elegans</i> . <i>Molecular and Cellular Biochemistry</i> , 2013 , 374, 91-103	4.2	29
529	Hexokinase regulation in the hepatopancreas and foot muscle of the anoxia-tolerant marine mollusc, <i>Littorina littorea</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013 , 166, 109-16	2.3	8
528	Akt signaling and freezing survival in the wood frog, <i>Rana sylvatica</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4828-37	4	32
527	Anoxia-responsive regulation of the FoxO transcription factors in freshwater turtles, <i>Trachemys scripta elegans</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4990-8	4	20
526	Stress response and adaptation: a new molecular toolkit for the 21st century. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 165, 417-28	2.6	22
525	Effects of hibernation on regulation of mammalian protein phosphatase type-2-A. <i>Cryobiology</i> , 2013 , 66, 267-74	2.7	3
524	Regulation of p53 by reversible post-transcriptional and post-translational mechanisms in liver and skeletal muscle of an anoxia tolerant turtle, <i>Trachemys scripta elegans</i> . <i>Gene</i> , 2013 , 513, 147-55	3.8	38
523	Expression of freeze-responsive proteins, Fr10 and Li16, from freeze-tolerant frogs enhances freezing survival of BmN insect cells. <i>FASEB Journal</i> , 2013 , 27, 3376-83	0.9	13
522	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	3	60
521	Purification and Properties of White Muscle Lactate Dehydrogenase from the Anoxia-Tolerant Turtle, the Red-Eared Slider, <i>Trachemys scripta elegans</i> . <i>Enzyme Research</i> , 2013 , 2013, 784973	2.4	16
520	Stable Suppression of Lactate Dehydrogenase Activity during Anoxia in the Foot Muscle of <i>Littorina littorea</i> and the Potential Role of Acetylation as a Novel Posttranslational Regulatory Mechanism. <i>Enzyme Research</i> , 2013 , 2013, 461374	2.4	10
519	Biochemical adaptations of mammalian hibernation: exploring squirrels as a perspective model for naturally induced reversible insulin resistance. <i>Brazilian Journal of Medical and Biological Research</i> , 2013 , 46, 1-13	2.8	33
518	Characterization of fructose-1,6-bisphosphate aldolase during anoxia in the tolerant turtle, <i>Trachemys scripta elegans</i> : an assessment of enzyme activity, expression and structure. <i>PLoS ONE</i> , 2013 , 8, e68830	3.7	14
517	High-throughput sequencing reveals differential expression of miRNAs in intestine from sea cucumber during aestivation. <i>PLoS ONE</i> , 2013 , 8, e76120	3.7	49
516	Novel control of lactate dehydrogenase from the freeze tolerant wood frog: role of posttranslational modifications. <i>PeerJ</i> , 2013 , 1, e12	3.1	24
515	Glucose-6-phosphate dehydrogenase regulation in the hepatopancreas of the anoxia-tolerant marine mollusc, <i>Littorina littorea</i> . <i>PeerJ</i> , 2013 , 1, e21	3.1	9
514	Anti-apoptotic signaling as a cytoprotective mechanism in mammalian hibernation. <i>PeerJ</i> , 2013 , 1, e29	3.1	50
513	Structural and functional properties of glycerol-3-phosphate dehydrogenase from a mammalian hibernator. <i>Protein Journal</i> , 2012 , 31, 109-19	3.9	5

512	Insect cold hardiness: metabolic, gene, and protein adaptation1This 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.. <i>Canadian Journal of Zoology</i> , 2012 , 90, 456-475	1.5	152
511	Suppression of MAPKAPK2 during mammalian hibernation. <i>Cryobiology</i> , 2012 , 65, 235-41	2.7	12
510	Tissue distribution of S-(2-succino)cysteine (2SC), a biomarker of mitochondrial stress in obesity and diabetes. <i>Obesity</i> , 2012 , 20, 263-9	8	33
509	Differential expression of microRNA species in a freeze tolerant insect, Eurosta solidaginis. <i>Cryobiology</i> , 2012 , 65, 210-4	2.7	43
508	Regulation of liver lactate dehydrogenase by reversible phosphorylation in response to anoxia in a freshwater turtle. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012 , 163, 221-8	2.3	24
507	Aestivation: signaling and hypometabolism. <i>Journal of Experimental Biology</i> , 2012 , 215, 1425-33	3	86
506	Cell cycle regulation in the freeze tolerant wood frog, Rana sylvatica. <i>Cell Cycle</i> , 2012 , 11, 1727-42	4.7	31
505	Environmental stress responsive expression of the gene li16 in Rana sylvatica, the freeze tolerant wood frog. <i>Cryobiology</i> , 2012 , 64, 192-200	2.7	11
504	Goldfish exposure to cobalt enhances hemoglobin level and triggers tissue-specific elevation of antioxidant defenses in gills, heart and spleen. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 325-32	3.2	8
503	Nickel induces hyperglycemia and glycogenolysis and affects the antioxidant system in liver and white muscle of goldfish Carassius auratus L. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 80, 231-7	7	27
502	Myocyte enhancer factor-2 and cardiac muscle gene expression during hibernation in thirteen-lined ground squirrels. <i>Gene</i> , 2012 , 501, 8-16	3.8	28
501	Evidence for cell cycle suppression and microRNA regulation of cyclin D1 during anoxia exposure in turtles. <i>Cell Cycle</i> , 2012 , 11, 1705-13	4.7	55
500	Real-time protein unfolding: a method for determining the kinetics of native protein denaturation using a quantitative real-time thermocycler. <i>BioTechniques</i> , 2012 , 53, 231-8	2.5	34
499	Oxidative stress responses in blood and gills of Carassius auratus exposed to the mancozeb-containing carbamate fungicide Tattoo. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 85, 37-43	7	36
498	Differential expression of mature microRNAs involved in muscle maintenance of hibernating little brown bats, Myotis lucifugus: a model of muscle atrophy resistance. <i>Genomics, Proteomics and Bioinformatics</i> , 2012 , 10, 295-301	6.5	60
497	MicroRNA regulation in extreme environments: differential expression of microRNAs in the intertidal snail Littorina littorea during extended periods of freezing and anoxia. <i>Genomics, Proteomics and Bioinformatics</i> , 2012 , 10, 302-9	6.5	61
496	Sodium nitroprusside toxicity in Drosophila melanogaster: delayed pupation, reduced adult emergence, and induced oxidative/nitrosative stress in eclosed flies. <i>Archives of Insect Biochemistry and Physiology</i> , 2012 , 80, 166-85	2.3	36
495	Expression of NF- κ B and downstream antioxidant genes in skeletal muscle of hibernating ground squirrels, Spermophilus tridecemlineatus. <i>Cell Biochemistry and Function</i> , 2012 , 30, 166-74	4.2	44

494	An enzymatic bridge between carbohydrate and amino acid metabolism: regulation of glutamate dehydrogenase by reversible phosphorylation in a severe hypoxia-tolerant crayfish. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012 , 182, 331-40	2.2	15
493	HIF-1 β regulation in mammalian hibernators: role of non-coding RNA in HIF-1 β control during torpor in ground squirrels and bats. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012 , 182, 849-59	2.2	45
492	Insights into the in vivo regulation of glutamate dehydrogenase from the foot muscle of an estivating land snail. <i>Enzyme Research</i> , 2012 , 2012, 317314	2.4	10
491	Pattern of cellular quiescence over the hibernation cycle in liver of thirteen-lined ground squirrels. <i>Cell Cycle</i> , 2012 , 11, 1714-26	4.7	44
490	Glycogen synthase kinase-3: cryoprotection and glycogen metabolism in the freeze-tolerant wood frog. <i>Journal of Experimental Biology</i> , 2012 , 215, 543-51	3	20
489	Regulation of the mTOR signaling network in hibernating thirteen-lined ground squirrels. <i>Journal of Experimental Biology</i> , 2012 , 215, 1720-7	3	64
488	Regulation of liver glutamate dehydrogenase from an anoxia-tolerant freshwater turtle. <i>HOAJ Biology</i> , 2012 , 1, 3		6
487	Biochemical Regulation of Carbohydrate Metabolism in Hibernating Bats 2012 , 411-421		4
486	Heat shock proteins and hypometabolism: adaptive strategy for proteome preservation. <i>Research and Reports in Biology</i> , 2011 , 57		36
485	Oxidative Stress in Estuarine and Intertidal Environments (Temperate and Tropical) 2011 , 41-57		14
484	Regulation of hexokinase by reversible phosphorylation in skeletal muscle of a freeze-tolerant frog. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011 , 159, 236-43	2.3	24
483	Transcriptional regulation of antioxidant enzymes by FoxO1 under dehydration stress. <i>Gene</i> , 2011 , 485, 114-9	3.8	48
482	Chaperone proteins and winter survival by a freeze tolerant insect. <i>Journal of Insect Physiology</i> , 2011 , 57, 1115-22	2.4	49
481	AMP-activated protein kinase and metabolic regulation in cold-hardy insects. <i>Journal of Insect Physiology</i> , 2011 , 57, 1453-62	2.4	45
480	Catalase activity as a potential vital biomarker of fish intoxication by the herbicide aminotriazole. <i>Pesticide Biochemistry and Physiology</i> , 2011 , 101, 1-5	4.9	23
479	Cobalt-induced oxidative stress in brain, liver and kidney of goldfish <i>Carassius auratus</i> . <i>Chemosphere</i> , 2011 , 85, 983-9	8.4	36
478	Regulation of tail muscle arginine kinase by reversible phosphorylation in an anoxia-tolerant crayfish. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011 , 181, 851-9	2.2	15
477	Regulation of cell cycle components during exposure to anoxia or dehydration stress in the wood frog, <i>Rana sylvatica</i> . <i>Journal of Experimental Zoology</i> , 2011 , 315, 487-94		15

476	Reversible phosphorylation regulation of NADPH-linked polyol dehydrogenase in the freeze-avoiding gall moth, <i>Epiblema scudderiana</i> : role in glycerol metabolism. <i>Archives of Insect Biochemistry and Physiology</i> , 2011 , 77, 32-44	2.3	17
475	Amplification and sequencing of mature microRNAs in uncharacterized animal models using stem-loop reverse transcription-polymerase chain reaction. <i>Analytical Biochemistry</i> , 2011 , 416, 231-3	3.1	35
474	Myostatin levels in skeletal muscle of hibernating ground squirrels. <i>Journal of Experimental Biology</i> , 2011 , 214, 2522-7	3	29
473	Glucose-6-Phosphate Dehydrogenase Regulation in Anoxia Tolerance of the Freshwater Crayfish <i>Orconectes virilis</i> . <i>Enzyme Research</i> , 2011 , 2011, 524906	2.4	12
472	Hibernation: Poikilotherms 2011 ,		4
471	The emerging roles of microRNAs in the molecular responses of metabolic rate depression. <i>Journal of Molecular Cell Biology</i> , 2011 , 3, 167-75	6.3	96
470	Forever young: mechanisms of natural anoxia tolerance and potential links to longevity. <i>Oxidative Medicine and Cellular Longevity</i> , 2010 , 3, 186-98	6.7	58
469	An overview of stress response and hypometabolic strategies in <i>Caenorhabditis elegans</i> : conserved and contrasting signals with the mammalian system. <i>International Journal of Biological Sciences</i> , 2010 , 6, 9-50	11.2	52
468	Regulation of sarcoendoplasmic reticulum Ca ²⁺ -ATPase (SERCA) in turtle muscle and liver during acute exposure to anoxia. <i>Journal of Experimental Biology</i> , 2010 , 213, 17-25	3	9
467	Metabolic regulation and gene expression during aestivation. <i>Progress in Molecular and Subcellular Biology</i> , 2010 , 49, 25-45	3	35
466	Heme oxygenase expression and Nrf2 signaling during hibernation in ground squirrels. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010 , 88, 379-87	2.4	33
465	Out cold: biochemical regulation of mammalian hibernation - a mini-review. <i>Gerontology</i> , 2010 , 56, 220-305		143
464	Metabolic rate depression. <i>Advances in Clinical Chemistry</i> , 2010 , 52, 77-108	5.8	97
463	In cold-hardy insects, seasonal, temperature, and reversible phosphorylation controls regulate sarco/endoplasmic reticulum Ca ²⁺ -ATPase (SERCA). <i>Physiological and Biochemical Zoology</i> , 2010 , 83, 677-86	2	14
462	Mammalian Hibernation: Physiology, Cell Signaling, and Gene Controls on Metabolic Rate Depression. <i>Topics in Current Genetics</i> , 2010 , 227-252		20
461	Molecular mechanisms of turtle anoxia tolerance: A role for NF-kappaB. <i>Gene</i> , 2010 , 450, 63-9	3.8	38
460	Activation of antioxidant defenses in response to freezing in freeze-tolerant painted turtle hatchlings. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010 , 1800, 662-8	4	43
459	Regulation of liver glutamate dehydrogenase by reversible phosphorylation in a hibernating mammal. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010 , 157, 310-6	2.3	27

458	Production and properties of alpha-amylase from Bacillus sp. BKL20. <i>Canadian Journal of Microbiology</i> , 2010 , 56, 279-88	3.2	13
457	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, 403-14	2.2	44
456	Regulation of glucose-6-phosphate dehydrogenase by reversible phosphorylation in liver of a freeze tolerant frog. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010 , 180, 1133-42	2.2	23
455	The regulation of AMPK signaling in a natural state of profound metabolic rate depression. <i>Molecular and Cellular Biochemistry</i> , 2010 , 335, 91-105	4.2	40
454	Epigenetics in anoxia tolerance: a role for histone deacetylases. <i>Molecular and Cellular Biochemistry</i> , 2010 , 342, 151-61	4.2	37
453	Expression of myocyte enhancer factor-2 and downstream genes in ground squirrel skeletal muscle during hibernation. <i>Molecular and Cellular Biochemistry</i> , 2010 , 344, 151-62	4.2	45
452	Cytotoxicity of chromium ions may be connected with induction of oxidative stress. <i>Chemosphere</i> , 2010 , 80, 1044-9	8.4	63
451	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, 360-70	3.2	41
450	Metabolic rate depression: the biochemistry of mammalian hibernation. <i>Advances in Clinical Chemistry</i> , 2010 , 52, 77-108	5.8	49
449	Activation of extracellular signal-regulated kinases during dehydration in the African clawed frog, <i>Xenopus laevis</i> . <i>Journal of Experimental Biology</i> , 2009 , 212, 2595-603	3	34
448	Living without Oxygen: Anoxia-Responsive Gene Expression and Regulation. <i>Current Genomics</i> , 2009 , 10, 76-85	2.6	28
447	Regulation of global protein translation and protein degradation in aerobic dormancy. <i>Molecular and Cellular Biochemistry</i> , 2009 , 323, 9-20	4.2	45
446	Phosphorylation of translation factors in response to anoxia in turtles, <i>Trachemys scripta elegans</i> : role of the AMP-activated protein kinase and target of rapamycin signalling pathways. <i>Molecular and Cellular Biochemistry</i> , 2009 , 332, 207-13	4.2	16
445	AMP-deaminase from goldfish white muscle: regulatory properties and redistribution under exposure to high environmental oxygen level. <i>Fish Physiology and Biochemistry</i> , 2009 , 35, 443-52	2.7	2
444	Glycation of wood frog (<i>Rana sylvatica</i>) hemoglobin and blood proteins: in vivo and in vitro studies. <i>Cryobiology</i> , 2009 , 59, 223-5	2.7	10
443	MicroRNA regulation below zero: differential expression of miRNA-21 and miRNA-16 during freezing in wood frogs. <i>Cryobiology</i> , 2009 , 59, 317-21	2.7	62
442	Creatine kinase regulation by reversible phosphorylation in frog muscle. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009 , 152, 405-412	2.3	33
441	Trivalent chromium induces oxidative stress in goldfish brain. <i>Chemosphere</i> , 2009 , 75, 56-62	8.4	42

440	Low toxic herbicide Roundup induces mild oxidative stress in goldfish tissues. <i>Chemosphere</i> , 2009 , 76, 932-7	8.4	154
439	Activation of antioxidant defense during dehydration stress in the African clawed frog. <i>Gene</i> , 2009 , 442, 99-107	3.8	43
438	Chromium(III) induces oxidative stress in goldfish liver and kidney. <i>Aquatic Toxicology</i> , 2009 , 93, 45-52	5.1	76
437	Phosphoglycerate kinase 1 expression responds to freezing, anoxia, and dehydration stresses in the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>Journal of Experimental Zoology</i> , 2009 , 311, 57-67		11
436	Mammalian hibernation: differential gene expression and novel application of epigenetic controls. <i>International Journal of Developmental Biology</i> , 2009 , 53, 433-42	1.9	76
435	Perspectives in cell cycle regulation: lessons from an anoxic vertebrate. <i>Current Genomics</i> , 2009 , 10, 573-84	2.4	35
434	Regulation of type-1 protein phosphatase in a model of metabolic arrest. <i>BMB Reports</i> , 2009 , 42, 817-22	5.5	3
433	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, 1023-7	2.4	48
432	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, 367-73	4.5	60
431	The effect of potassium dichromate on free radical processes in goldfish: possible protective role of glutathione. <i>Aquatic Toxicology</i> , 2008 , 87, 108-14	5.1	69
430	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	4.1	48
429	Regulation of Akt during hibernation in Richardson's ground squirrels. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008 , 1780, 185-93	4	38
428	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, 628-33	6	63
427	Identification of a granulin-like transcript expressed during anoxic exposure and translated during aerobic recovery in a marine gastropod. <i>Gene</i> , 2008 , 410, 37-43	3.8	5
426	Cold acclimation-induced up-regulation of the ribosomal protein L7 gene in the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>Gene</i> , 2008 , 424, 48-55	3.8	26
425	Regulation of AMP-deaminase activity from white muscle of common carp <i>Cyprinus carpio</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 149, 362-9	2.3	10
424	Constructing and screening a cDNA library. Methods for identification and characterization of novel genes expressed under conditions of environmental stress. <i>Methods in Molecular Biology</i> , 2008 , 410, 55-80	1.4	6
423	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, 121-9	4.2	68

4 ²²	Skeletal muscle hexokinase: regulation in mammalian hibernation. <i>Molecular and Cellular Biochemistry</i> , 2008 , 319, 41-50	4.2	33
4 ²¹	The regulation of thapsigargin-sensitive sarcoendoplasmic reticulum Ca(2+)-ATPase activity in estivation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008 , 178, 33-45	2.2	15
4 ²⁰	Regulation of 5Padenosine monophosphate deaminase in the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>BMC Biochemistry</i> , 2008 , 9, 12	4.8	13
4 ¹⁹	In vivo assessment of cold adaptation in insect larvae by magnetic resonance imaging and magnetic resonance spectroscopy. <i>PLoS ONE</i> , 2008 , 3, e3826	3.7	15
4 ¹⁸	Comparative molecular physiological genomics. Heterologous probing of cDNA arrays. <i>Methods in Molecular Biology</i> , 2008 , 410, 81-110	1.4	14
4 ¹⁷	p38 MAPK regulation of transcription factor targets in muscle and heart of the hibernating bat, <i>Myotis lucifugus</i> . <i>Cell Biochemistry and Function</i> , 2007 , 25, 759-65	4.2	31
4 ¹⁶	Oxidative stress and antioxidant defense responses by goldfish tissues to acute change of temperature from 3 to 23 °C. <i>Journal of Thermal Biology</i> , 2007 , 32, 227-234	2.9	94
4 ¹⁵	Diethyldithiocarbamate injection induces transient oxidative stress in goldfish tissues. <i>Chemico-Biological Interactions</i> , 2007 , 170, 1-8	5	21
4 ¹⁴	Anoxia tolerance in turtles: metabolic regulation and gene expression. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007 , 147, 263-76	2.6	94
4 ¹³	Cytosolic phospholipase A2 regulation in the hibernating thirteen-lined ground squirrel. <i>Cellular and Molecular Biology Letters</i> , 2007 , 12, 621-32	8.1	9
4 ¹²	Freezing and anoxia tolerance of slugs: a metabolic perspective. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007 , 177, 833-40	2.2	19
4 ¹¹	Cold-loving microbes, plants, and animals--fundamental and applied aspects. <i>Die Naturwissenschaften</i> , 2007 , 94, 77-99	2	180
4 ¹⁰	Purification and properties of glutathione reductase from liver of the anoxia-tolerant turtle, <i>Trachemys scripta elegans</i> . <i>Molecular and Cellular Biochemistry</i> , 2007 , 297, 139-49	4.2	18
4 ⁰⁹	Arrest of transcription following anoxic exposure in a marine mollusc. <i>Molecular and Cellular Biochemistry</i> , 2007 , 303, 243-9	4.2	32
4 ⁰⁸	Tribute to P. L. Lutz: putting life on pause--molecular regulation of hypometabolism. <i>Journal of Experimental Biology</i> , 2007 , 210, 1700-14	3	200
4 ⁰⁷	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	4.1	50
4 ⁰⁶	Regulation of skeletal muscle creatine kinase from a hibernating mammal. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 467, 10-9	4.1	20
4 ⁰⁵	The effect of hibernation on protein phosphatases from ground squirrel organs. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 468, 234-43	4.1	12

404	Akt and its downstream targets play key roles in mediating dormancy in land snails. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007 , 148, 245-55	2.3	21
403	Responses of protein phosphatases and cAMP-dependent protein kinase in a freeze-avoiding insect, <i>Epiblema scudderiana</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2006 , 62, 43-54	2.3	8
402	Differential expression of selected mitochondrial genes in hibernating little brown bats, <i>Myotis lucifugus</i> . <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006 , 305, 620-30		25
401	Genomic and proteomic approaches in comparative biochemistry and physiology. <i>Physiological and Biochemical Zoology</i> , 2006 , 79, 324-32	2	6
400	Linking molecular physiology to ecological realities. <i>Physiological and Biochemical Zoology</i> , 2006 , 79, 314-23		16
399	Suppression of Na ⁺ /K ⁺ -ATPase activity during estivation in the land snail <i>Otala lactea</i> . <i>Journal of Experimental Biology</i> , 2006 , 209, 677-88	3	69
398	Identification of a 115kDa MAP-kinase activated by freezing and anoxic stresses in the marine periwinkle, <i>Littorina littorea</i> . <i>Archives of Biochemistry and Biophysics</i> , 2006 , 450, 208-14	4.1	9
397	Analysis of signal transduction pathways during anoxia exposure in a marine snail: a role for p38 MAP kinase and downstream signaling cascades. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006 , 143, 85-91	2.3	20
396	Vertebrate freezing survival: Regulation of the multicatalytic proteinase complex and controls on protein degradation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006 , 1760, 395-403	4	8
395	Glucose-6-phosphate dehydrogenase regulation during hypometabolism. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 339, 7-16	3.4	44
394	Modulation of mitogen-activated protein kinases (MAPK) activity in response to different immune stimuli in haemocytes of the common periwinkle <i>Littorina littorea</i> . <i>Fish and Shellfish Immunology</i> , 2006 , 21, 315-24	4.3	24
393	Reptile freeze tolerance: metabolism and gene expression. <i>Cryobiology</i> , 2006 , 52, 1-16	2.7	88
392	Stress-induced activation of the AMP-activated protein kinase in the freeze-tolerant frog <i>Rana sylvatica</i> . <i>Cryobiology</i> , 2006 , 53, 297-309	2.7	44
391	Evidence for a reduced transcriptional state during hibernation in ground squirrels. <i>Cryobiology</i> , 2006 , 53, 310-8	2.7	83
390	Insect freeze tolerance: Roles of protein phosphatases and protein kinase A. <i>Insect Biochemistry and Molecular Biology</i> , 2006 , 36, 18-24	4.5	25
389	Up-regulation of the endoplasmic reticulum molecular chaperone GRP78 during hibernation in thirteen-lined ground squirrels. <i>Molecular and Cellular Biochemistry</i> , 2006 , 292, 89-98	4.2	42
388	Gene hunting in hypoxia and exercise. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 588, 293-309	3.6	19
387	Hypoxia and recovery perturb free radical processes and antioxidant potential in common carp (<i>Cyprinus carpio</i>) tissues. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 1319-30	5.6	201

386	Biochemical Adaptation to Extreme Environments 2005 , 169-200		5
385	The sweet thing about Type 1 diabetes: a cryoprotective evolutionary adaptation. <i>Medical Hypotheses</i> , 2005 , 65, 8-16	3.8	19
384	Adaptive response of antioxidant enzymes to catalase inhibition by aminotriazole in goldfish liver and kidney. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005 , 142, 335-41	2.3	48
383	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, 374-82	2.3	54
382	Up-regulation of acidic ribosomal phosphoprotein P0 in response to freezing or anoxia in the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>Cryobiology</i> , 2005 , 50, 71-82	2.7	19
381	Mitogen-activated protein kinases and selected downstream targets display organ-specific responses in the hibernating ground squirrel. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 679-91	5.6	44
380	Hyperoxia results in transient oxidative stress and an adaptive response by antioxidant enzymes in goldfish tissues. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 1670-80	5.6	211
379	Up-regulation of a thioredoxin peroxidase-like protein, proliferation-associated gene, in hibernating bats. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 435, 103-11	4.1	65
378	Signal Transduction Pathways and the Control of Cellular Responses to External Stimuli 2005 , 87-123		4
377	Skeletal Muscle Metabolism and Plasticity 2005 , 295-318		1
376	Tyrosine Phosphorylation and the Control of Cellular Information 2005 , 125-151		2
375	Hydrogen peroxide increases the activities of soxRS regulon enzymes and the levels of oxidized proteins and lipids in <i>Escherichia coli</i> . <i>Cell Biology International</i> , 2005 , 29, 898-902	4.5	72
374	Purification and properties of the glutathione S-transferases from the anoxia-tolerant turtle, <i>Trachemys scripta elegans</i> . <i>FEBS Journal</i> , 2005 , 272, 3602-14	5.7	22
373	Cloning and expression of hypoxia-inducible factor 1alpha from the hibernating ground squirrel, <i>Spermophilus tridecemlineatus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005 , 1729, 32-40		44
372	Catalase inhibition by amino triazole induces oxidative stress in goldfish brain. <i>Brain Research</i> , 2005 , 1052, 180-6	3.7	63
371	Cloning and expression of PPAR-gamma and PGC-1alpha from the hibernating ground squirrel, <i>Spermophilus tridecemlineatus</i> . <i>Molecular and Cellular Biochemistry</i> , 2005 , 269, 175-82	4.2	48
370	Effects of hibernation on multicatalytic proteinase complex in thirteen-lined ground squirrels, <i>Spermophilus tridecemlineatus</i> . <i>Molecular and Cellular Biochemistry</i> , 2005 , 271, 205-13	4.2	6
369	HIF-1alpha involvement in low temperature and anoxia survival by a freeze tolerant insect. <i>Molecular and Cellular Biochemistry</i> , 2005 , 280, 99-106	4.2	37

368	Possible reasons for difference in sensitivity to oxygen of two Escherichia coli strains. <i>Biochemistry (Moscow)</i> , 2005 , 70, 424-31	2.9	11
367	Anoxia-induced transcriptional upregulation of sarp-19: cloning and characterization of a novel EF-hand containing gene expressed in hepatopancreas of <i>Littorina littorea</i> . <i>Biochemistry and Cell Biology</i> , 2004 , 82, 285-93	3.6	18
366	Accumulation and translation of ferritin heavy chain transcripts following anoxia exposure in a marine invertebrate. <i>Journal of Experimental Biology</i> , 2004 , 207, 1353-60	3	76
365	Temperature and phosphate effects on allosteric phenomena of phosphofructokinase from a hibernating ground squirrel (<i>Spermophilus lateralis</i>). <i>FEBS Journal</i> , 2004 , 272, 120-128	5.7	19
364	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		47
363	Upregulation of the mitochondrial phosphate carrier during freezing in the wood frog <i>Rana sylvatica</i> : potential roles of transporters in freeze tolerance. <i>Journal of Bioenergetics and Biomembranes</i> , 2004 , 36, 229-39	3.7	21
362	Metabolic rate depression in animals: transcriptional and translational controls. <i>Biological Reviews</i> , 2004 , 79, 207-33	13.5	44 ⁰
361	Adventures in oxygen metabolism. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004 , 139, 359-69	2.3	24
360	Strategies for exploration of freeze responsive gene expression: advances in vertebrate freeze tolerance. <i>Cryobiology</i> , 2004 , 48, 134-45	2.7	87
359	Melittin induces both time-dependent aggregation and inhibition of Na,K-ATPase from duck salt glands however these two processes appear to occur independently. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004 , 1661, 188-95	3.8	4
358	Molecular mechanisms of anoxia tolerance. <i>International Congress Series</i> , 2004 , 1275, 47-54		21
357	Gene regulation in physiological stress. <i>International Congress Series</i> , 2004 , 1275, 1-13		4
356	Cold ischemic organ preservation: lessons from natural systems. <i>Journal of Investigative Medicine</i> , 2004 , 52, 315-22	2.9	21
355	Physiology, Biochemistry, and Molecular Biology of Vertebrate Freeze Tolerance 2004 , 243-274		47
354	Cold Ischemic Organ Preservation: Lessons from Natural Systems. <i>Journal of Investigative Medicine</i> , 2004 , 52, 315	2.9	11
353	Freeze-induced expression of a novel gene, fr47, in the liver of the freeze-tolerant wood frog, <i>Rana sylvatica</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003 , 1625, 183-91		21
352	Induction of oxidative stress in <i>Rana ridibunda</i> during recovery from winter hibernation. <i>Journal of Thermal Biology</i> , 2003 , 28, 21-28	2.9	79
351	Seasonal changes of Ca-ATPase activity in skeletal muscle sarcoplasmic reticulum of the ground squirrel <i>Spermophilus undulatus</i> . <i>Annals of the New York Academy of Sciences</i> , 2003 , 986, 550-1	6.5	

350	Differential expression of Akt, PPARgamma, and PGC-1 during hibernation in bats. <i>Biochemistry and Cell Biology</i> , 2003 , 81, 269-74	3.6	60
349	De novo gene expression and antisense inhibition in cultured cells of BmTRN-1, cloned from the midgut of the silkworm, <i>Bombyx mori</i> , which is homologous with mammalian TIA-1/R. <i>Gene</i> , 2003 , 320, 67-79	3.8	4
348	Mitogen-activated protein kinases: new signaling pathways functioning in cellular responses to environmental stress. <i>Journal of Experimental Biology</i> , 2003 , 206, 1107-15	3	447
347	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, 2517-24	3	84
346	Mammalian Hibernation. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 21-38	3.6	86
345	Mammalian hibernation. Transcriptional and translational controls. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 543, 21-38	3.6	36
344	Life in the slow lane: molecular mechanisms of estivation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002 , 133, 733-54	2.6	163
343	Purification and characterization of protein phosphatase-1 from two cold-hardy goldenrod gall insects. <i>Archives of Insect Biochemistry and Physiology</i> , 2002 , 49, 56-64	2.3	11
342	Freezing survival, body ice content and blood composition of the freeze-tolerant European common lizard, <i>Lacerta vivipara</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2002 , 172, 71-6	2.2	27
341	A comparison of oleamide in the brains of hibernating and non-hibernating Richardson's ground squirrel (<i>Spermophilus richardsonii</i>) and its inability to bind to brain fatty acid binding protein. <i>Journal of Thermal Biology</i> , 2002 , 27, 309-315	2.9	10
340	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, 121-7	4.2	50
339	Identification and characterization of a novel freezing inducible gene, li16, in the wood frog <i>Rana sylvatica</i> . <i>FASEB Journal</i> , 2002 , 16, 902-4	0.9	29
338	Dynamic Use of cDNA Arrays: Heterologous Probing for Gene Discovery and Exploration of Organismal Adaptation to Environmental Stress. <i>Cell and Molecular Response To Stress</i> , 2002 , 315-325		6
337	Natural Hypothermic Preservation: The Mammalian Hibernator. <i>Cell Preservation Technology</i> , 2002 , 1, 3-16		8
336	Freeze Tolerance and Supercooling Ability in the Italian Wall Lizard, <i>Podarcis sicula</i> , Introduced to Long Island, New York. <i>Copeia</i> , 2002 , 2002, 836-842	1.1	20
335	A Profile of the Metabolic Responses to Anoxia in Marine Invertebrates. <i>Cell and Molecular Response To Stress</i> , 2002 , 27-46		53
334	Urea and KCl have differential effects on enzyme activities in liver and muscle of estivating versus nonestivating species. <i>Biochemistry and Cell Biology</i> , 2002 , 80, 745-55	3.6	15
333	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, 244-54	4.1	72

332	Purification and characterization of fructose biphosphate aldolase from the ground squirrel, <i>Spermophilus lateralis</i> : enzyme role in mammalian hibernation. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 408, 279-85	4.1	12
331	Protein phosphatase type-1 from skeletal muscle of the freeze-tolerant wood frog. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002 , 131, 27-36	2.3	10
330	Protein kinase A: purification and characterization of the enzyme from two cold-hardy goldenrod gall insects. <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 505-15	4.5	15
329	Characterization of a novel gene up-regulated during anoxia exposure in the marine snail, <i>Littorina littorea</i> . <i>Gene</i> , 2002 , 283, 145-54	3.8	22
328	Differential expression of mitochondria-encoded genes in a hibernating mammal. <i>Journal of Experimental Biology</i> , 2002 , 205, 1625-1631	3	53
327	Differential expression of mitochondria-encoded genes in a hibernating mammal. <i>Journal of Experimental Biology</i> , 2002 , 205, 1625-31	3	46
326	Chapter 1 Signal transduction and gene expression in the regulation of natural freezing survival. <i>Cell and Molecular Response To Stress</i> , 2001 , 1-19		6
325	Hibernation: Poikilotherms 2001 ,		1
324	Transcription pattern of ribosomal protein L26 during anoxia exposure in <i>Littorina littorea</i> . <i>The Journal of Experimental Zoology</i> , 2001 , 290, 759-68		27
323	Characterization of sarcolemma and sarcoplasmic reticulum isolated from skeletal muscle of the freeze tolerant wood frog, <i>Rana sylvatica</i> : the beta(2)-adrenergic receptor and calcium transport systems in control, frozen and thawed states. <i>Cell Biochemistry and Function</i> , 2001 , 19, 143-52	4.2	6
322	Regulation of hexokinase in a freeze avoiding insect: role in the winter production of glycerol. <i>Archives of Insect Biochemistry and Physiology</i> , 2001 , 47, 29-34	2.3	10
321	Ca-ATPase activity and protein composition of sarcoplasmic reticulum membranes isolated from skeletal muscles of typical hibernator, the ground squirrel <i>Spermophilus undulatus</i> . <i>Bioscience Reports</i> , 2001 , 21, 831-8	4.1	8
320	Phosphorylation of the alpha-subunit of Na,K-ATPase from duck salt glands by cAMP-dependent protein kinase inhibits the enzyme activity. <i>Biochemistry (Moscow)</i> , 2001 , 66, 865-74	2.9	3
319	Characteristics of sarcoplasmic reticulum membrane preparations isolated from skeletal muscles of active and hibernating ground squirrel <i>Spermophilus undulatus</i> . <i>Biochemistry (Moscow)</i> , 2001 , 66, 918-25	2.9	14
318	Reassessment of the cold-labile nature of phosphofructokinase from a hibernating ground squirrel. <i>Molecular and Cellular Biochemistry</i> , 2001 , 225, 51-7	4.2	8
317	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, 238-43		66
316	Tyrosine kinases and phosphatases in the estivating spadefoot toad. <i>Cellular Physiology and Biochemistry</i> , 2001 , 11, 161-72	3.9	5
315	Effects of seasonal change and prolonged anoxia on metabolic enzymes of <i>Littorina littorea</i> . <i>Canadian Journal of Zoology</i> , 2001 , 79, 907-915	1.5	14

314	Effects of anoxia exposure and aerobic recovery on metabolic enzyme activities in the freshwater turtle <i>Trachemys scripta elegans</i> . <i>Canadian Journal of Zoology</i> , 2001 , 79, 1822-1828	1.5	6
313	Mitochondrial Gene Responses to Low Oxygen Stress in Turtle Organs. <i>Copeia</i> , 2001 , 2001, 628-637	1.1	15
312	Chapter 20 Antioxidant defenses and animal adaptation to oxygen availability during environmental stress. <i>Cell and Molecular Response To Stress</i> , 2001 , 263-287		43
311	Effects of seasonal change and prolonged anoxia on metabolic enzymes of <i>Littorina littorea</i> . <i>Canadian Journal of Zoology</i> , 2001 , 79, 907-915	1.5	14
310	Effects of anoxia exposure and aerobic recovery on metabolic enzyme activities in the freshwater turtle <i>Trachemys scripta elegans</i> . <i>Canadian Journal of Zoology</i> , 2001 , 79, 1822-1828	1.5	4
309	EsMlp, a muscle-LIM protein gene, is up-regulated during cold exposure in the freeze-avoiding larvae of <i>Epiblema scudderiana</i> . <i>Cryobiology</i> , 2001 , 43, 11-20	2.7	15
308	Freeze-thaw effects on metabolic enzymes in wood frog organs. <i>Cryobiology</i> , 2001 , 43, 32-45	2.7	25
307	Protein kinase and phosphatase responses to anoxia in crayfish, <i>Orconectes virilis</i> : purification and characterization of cAMP-dependent protein kinase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001 , 130, 565-77	2.3	14
306	Glutamate dehydrogenase from liver of euthermic and hibernating Richardson's ground squirrels: Evidence for two distinct enzyme forms. <i>Biochemistry and Cell Biology</i> , 2001 , 79, 11-19	3.6	27
305	Influence of exercise on the activity and the distribution between free and bound forms of glycolytic and associated enzymes in tissues of horse mackerel. <i>Brazilian Journal of Medical and Biological Research</i> , 2001 , 34, 1055-64	2.8	21
304	Glutamate dehydrogenase from liver of euthermic and hibernating Richardson's ground squirrels: evidence for two distinct enzyme forms. <i>Biochemistry and Cell Biology</i> , 2001 , 79, 11-9	3.6	6
303	Mitogen-activated protein kinases and anoxia tolerance in turtles. <i>The Journal of Experimental Zoology</i> , 2000 , 287, 477-84		42
302	Hepatic changes in the freeze-tolerant turtle <i>Chrysemys picta marginata</i> in response to freezing and thawing. <i>Cell Biochemistry and Function</i> , 2000 , 18, 175-86	4.2	12
301	Activation of mitogen-activated protein kinases during natural freezing and thawing in the wood frog. <i>Molecular and Cellular Biochemistry</i> , 2000 , 209, 29-37	4.2	48
300	Seasonal change and prolonged anoxia affect the kinetic properties of phosphofructokinase and pyruvate kinase in oysters. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2000 , 170, 285-93	2.2	28
299	Metabolic reorganization and signal transduction during estivation in the spadefoot toad. <i>Experimental Biology Online</i> , 2000 , 5, 1-25		22
298	Enzymes of adenylate metabolism and their role in hibernation of the white-tailed prairie dog, <i>Cynomys leucurus</i> . <i>Archives of Biochemistry and Biophysics</i> , 2000 , 376, 91-100	4.1	31
297	Purification and characterization of protein kinase A from liver of the freeze-tolerant wood frog: role in glycogenolysis during freezing. <i>Cryobiology</i> , 2000 , 40, 323-31	2.7	17

296	Gene up-regulation in heart during mammalian hibernation. <i>Cryobiology</i> , 2000 , 40, 332-42	2.7	67
295	The muscle fatty acid binding protein of spadefoot toad (<i>Scaphiopus couchii</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000 , 125, 347-57	2.3	8
294	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, 135-8	3.8	70
293	Gene Expression and Protein Adaptations in Mammalian Hibernation 2000 , 303-313		5
292	Vertebrate Freeze Tolerance: Molecular Studies of Signal Transduction and Gene Expression 2000 , 527-539		1
291	Metabolic adjustments during daily torpor in the Djungarian hamster. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 276, E896-906	6	51
290	Living in the cold: freeze-induced gene responses in freeze-tolerant vertebrates. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999 , 26, 57-63	3	22
289	Phosphorylation of H,K-ATPase alpha-subunit in microsomes from rabbit gastric mucosa by cAMP-dependent protein kinase. <i>Bioscience Reports</i> , 1999 , 19, 109-14	4.1	3
288	Reversible phosphorylation control of skeletal muscle pyruvate kinase and phosphofructokinase during estivation in the spadefoot toad, <i>Scaphiopus couchii</i> . <i>Molecular and Cellular Biochemistry</i> , 1999 , 195, 173-81	4.2	22
287	Brain gamma-glutamyltranspeptidase: characteristics, development and thyroid hormone dependency of the enzyme in isolated microvessels and neuronal/glial cell plasma membranes. <i>Molecular and Cellular Biochemistry</i> , 1999 , 202, 119-30	4.2	10
286	Discordant responses of mitogen-activated protein kinases to anoxia and freezing exposures in hatchling turtles. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1999 , 169, 521-7	2.2	17
285	Cyclic AMP-dependent protein kinase: role in anoxia and freezing tolerance of the marine periwinkle <i>Littorina littorea</i> . <i>Marine Biology</i> , 1999 , 133, 193-203	2.5	20
284	The effect of prolonged anoxia on enzyme activities in oysters (<i>Crassostrea virginica</i>) at different seasons. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999 , 242, 259-272	2.1	51
283	Gene expression during estivation in spadefoot toads, <i>Scaphiopus couchii</i> : Upregulation of riboflavin binding protein in liver 1999 , 284, 325-333		10
282	Regulation of ground squirrel Na ⁺ K ⁺ -ATPase activity by reversible phosphorylation during hibernation. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 254, 424-9	3.4	117
281	Liver freezing response of the freeze-tolerant wood frog, <i>Rana sylvatica</i> , in the presence and absence of glucose. I. Experimental measures. <i>Cryobiology</i> , 1999 , 38, 310-26	2.7	25
280	Liver freezing response of the freeze-tolerant wood frog, <i>Rana sylvatica</i> , in the presence and absence of glucose. II. Mathematical modeling. <i>Cryobiology</i> , 1999 , 38, 327-38	2.7	19
279	Freeze-induced alterations of translatable mRNA populations in wood frog organs. <i>Cryobiology</i> , 1999 , 38, 353-62	2.7	8

278	Temperature regulation of glucose metabolism in red blood cells of the freeze-tolerant wood frog. <i>Cryobiology</i> , 1999 , 39, 150-7	2.7	6
277	Gene expression and cold hardiness in animals 1999 , 385-407		1
276	Gene expression during estivation in spadefoot toads, <i>Scaphiopus couchii</i> : upregulation of riboflavin binding protein in liver. <i>The Journal of Experimental Zoology</i> , 1999 , 284, 325-33		2
275	Role of antioxidant defenses in the tolerance of severe dehydration by anurans. The case of the leopard frog <i>Rana pipiens</i> . <i>Molecular and Cellular Biochemistry</i> , 1998 , 189, 79-89	4.2	56
274	Protein kinase C from rainbow trout brain: identification and characterization of three isozymes. <i>IUBMB Life</i> , 1998 , 44, 259-67	4.7	1
273	Biophysics of freezing in liver of the freeze-tolerant wood frog, <i>R. sylvatica</i> . <i>Annals of the New York Academy of Sciences</i> , 1998 , 858, 284-97	6.5	5
272	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	2.1	104
271	The influence of hibernation patterns on the critical enzymes of lipogenesis and lipolysis in prairie dogs. <i>Experimental Biology Online</i> , 1998 , 3, 1-8		5
270	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, 132-42	2.2	90
269	cAMP-dependent protein kinase from brown adipose tissue: temperature effects on kinetic properties and enzyme role in hibernating ground squirrels. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1998 , 168, 513-25	2.2	31
268	AMP-deaminase from sea scorpion white muscle: properties and redistribution under hypoxia. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998 , 119, 611-618	2.3	13
267	Antioxidant defenses and metabolic depression. The hypothesis of preparation for oxidative stress in land snails. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998 , 120, 437-48	2.3	236
266	Oxidative stress and antioxidants in stress and recovery of cold-hardy insects. <i>Insect Biochemistry and Molecular Biology</i> , 1998 , 28, 23-30	4.5	50
265	Comparisons of the effects of temperature on the liver fatty acid binding proteins from hibernator and nonhibernator mammals. <i>Biochemistry and Cell Biology</i> , 1998 , 76, 593-599	3.6	14
264	Protein kinase A from bat skeletal muscle: a kinetic study of the enzyme from a hibernating mammal. <i>Archives of Biochemistry and Biophysics</i> , 1998 , 358, 243-50	4.1	13
263	The Relationship Between Lipid Peroxidation, Hibernation, and Food Selection in Mammals. <i>American Zoologist</i> , 1998 , 38, 341-349		59
262	Freeze tolerance in the wood frog <i>Rana sylvatica</i> is associated with unusual structural features in insulin but not in glucagon. <i>Journal of Molecular Endocrinology</i> , 1998 , 21, 153-9	4.5	28
261	Effect of hypoxia on the activity and binding of glycolytic and associated enzymes in sea scorpion tissues. <i>Brazilian Journal of Medical and Biological Research</i> , 1998 , 31, 1059-67	2.8	39

260	Comparisons of the effects of temperature on the liver fatty acid binding proteins from hibernator and nonhibernator mammals. <i>Biochemistry and Cell Biology</i> , 1998 , 76, 593-9	3.6	3
259	Adaptations for Freezing Survival in Ectothermic Vertebrates. <i>Advances in Molecular and Cell Biology</i> , 1997 , 1-32		3
258	A novel RNA species from the turtle mitochondrial genome: induction and regulation of transcription and processing under anoxic and freezing stresses. <i>Genome</i> , 1997 , 40, 534-43	2.4	13
257	Adaptations to Variations in Oxygen Tension by Vertebrates and Invertebrates 1997 , 1479-1522		5
256	De novo protein biosynthesis responses to water stresses in wood frogs: freeze-thaw and dehydration-rehydration. <i>Cryobiology</i> , 1997 , 34, 200-13	2.7	12
255	Reversible phosphorylation of fructose 1,6-bisphosphatase mediates enzyme role in glycerol metabolism in the freeze-avoiding gall moth <i>Epiblema scudderiana</i> . <i>Insect Biochemistry and Molecular Biology</i> , 1997 , 27, 617-623	4.5	16
254	Protein kinase C from bat brain: the enzyme from a hibernating mammal. <i>Neurochemistry International</i> , 1997 , 31, 139-50	4.4	18
253	Upregulation of a novel gene by freezing exposure in the freeze-tolerant wood frog (<i>Rana sylvatica</i>). <i>Gene</i> , 1997 , 198, 305-12	3.8	40
252	Freezing-induced genes in wood frog (<i>Rana sylvatica</i>): fibrinogen upregulation by freezing and dehydration. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1997 , 272, R1480-92	3.2	9
251	Glutathione systems and anoxia tolerance in turtles. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1997 , 273, R219-25	3.2	33
250	Organic solutes in freezing tolerance. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997 , 117, 319-26		142
249	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, 1103-14		101
248	Metabolic regulation in mammalian hibernation: enzyme and protein adaptations. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997 , 118, 1115-24		107
247	Differential regulation of the mitochondrial ADP/ATP translocase gene in wood frogs under freezing stress. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997 , 1353, 69-78		30
246	Glycolytic enzyme binding in <i>Otala lactea</i> hepatopancreas: effect of taxol, colchicine and cytochalasin B and D on the in vivo enzyme distribution. <i>IUBMB Life</i> , 1997 , 41, 841-9	4.7	1
245	Unusual AMP-deaminase solubilization from teleost fish white muscle. <i>IUBMB Life</i> , 1997 , 43, 685-94	4.7	1
244	Antioxidant systems and anoxia tolerance in a freshwater turtle <i>Trachemys scripta elegans</i> . <i>Molecular and Cellular Biochemistry</i> , 1997 , 170, 177-85	4.2	124
243	Second messenger and cAMP-dependent protein kinase responses to dehydration and anoxia stresses in frogs. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1997 , 167, 305-12	2.2	42

242	NATURAL FREEZING SURVIVAL IN ANIMALS. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1996 , 27, 365-386		171
241	Metabolic adaptations supporting anoxia tolerance in reptiles: recent advances. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1996 , 113, 23-35	2.3	98
240	Adrenergic, Hormonal, and Nervous Influences on Cryoprotectant Synthesis by Liver of the Freeze-Tolerant Wood Frog <i>Rana sylvatica</i> . <i>Cryobiology</i> , 1996 , 33, 186-195	2.7	29
239	Liver protein kinase C isozymes: properties and enzyme role in a vertebrate facultative anaerobe. <i>International Journal of Biochemistry and Cell Biology</i> , 1996 , 28, 1257-69	5.6	5
238	Oxidative damage and antioxidants in <i>Rana sylvatica</i> , the freeze-tolerant wood frog. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1996 , 271, R545-53	3.2	44
237	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, R918-25	3.2	40
236	Signal transduction, second messenger, and protein kinase responses during freezing exposures in wood frogs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1996 , 271, R1205-11	3.2	12
235	Fatty Acid Content and Enzymes of Fatty Acid Metabolism in Overwintering Cold-Hardy Gall Insects. <i>Physiological Zoology</i> , 1996 , 69, 1079-1095		72
234	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		46
233	Characterization of gamma-glutamyltranspeptidase in the liver of the frog: 3. Response to freezing and thawing in the freeze-tolerant wood frog <i>Rana sylvatica</i> . <i>Cell Biochemistry and Function</i> , 1996 , 14, 139-48	4.2	4
232	Metabolic responses to freezing and anoxia by the periwinkle <i>Littorina littorea</i> . <i>Journal of Thermal Biology</i> , 1996 , 21, 57-63	2.9	30
231	Protein kinase involvement in land snail aestivation and anoxia: protein kinase A kinetic properties and changes in second messenger compounds during depressed metabolism. <i>Molecular and Cellular Biochemistry</i> , 1996 , 156, 153-61	4.2	18
230	Characterization of Glutamyltranspeptidase in the Liver of the Frog: 3. Response to Freezing and Thawing in the Freeze-Tolerant Wood Frog <i>Rana sylvatica</i> . <i>Cell Biochemistry and Function</i> , 1996 , 14, 139-148	4.2	11
229	Biochemistry below 0 degrees C: nature's frozen vertebrates. <i>Brazilian Journal of Medical and Biological Research</i> , 1996 , 29, 283-307	2.8	3
228	Oxidative stress: animal adaptations in nature. <i>Brazilian Journal of Medical and Biological Research</i> , 1996 , 29, 1715-33	2.8	101
227	cAMP-dependent protein kinase and anoxia survival in turtles: purification and properties of liver PKA. <i>Molecular and Cellular Biochemistry</i> , 1995 , 145, 81-8	4.2	20
226	Protein phosphorylation patterns during aestivation in the land snail <i>Otala lactea</i> . <i>Molecular and Cellular Biochemistry</i> , 1995 , 143, 7-13	4.2	20
225	Evidence for aestivation specific proteins in <i>Otala lactea</i> . <i>Molecular and Cellular Biochemistry</i> , 1995 , 143, 15-20	4.2	28

224	Anoxia and freezing exposures stimulate covalent modification of enzymes of carbohydrate metabolism in <i>Littorina littorea</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1995 , 165, 132-142	2.2	26
223	The optimal depot fat composition for hibernation by golden-mantled ground squirrels (<i>Spermophilus lateralis</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1995 , 164, 536-42	2.2	66
222	Metabolic responses to anoxia and freezing by the freeze tolerant marine mussel <i>Geukensia demissus</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 1995 , 188, 99-114	2.1	16
221	Antioxidant defenses and metabolic depression in a pulmonate land snail. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1995 , 268, R1386-93	3.2	32
220	Xanthine oxidase and xanthine dehydrogenase from an estivating land snail. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1995 , 50, 685-94	1.7	11
219	Seasonal changes in plasma membrane glucose transporters enhance cryoprotectant distribution in the freeze-tolerant wood frog. <i>Canadian Journal of Zoology</i> , 1995 , 73, 1-9	1.5	33
218	Glycolysis and energetics in organs of hibernating mice (<i>Zapus hudsonius</i>). <i>Canadian Journal of Zoology</i> , 1995 , 73, 202-207	1.5	18
217	Enzymatic control of glycogenolysis during anoxic submergence in the freshwater turtle <i>Trachemys scripta</i> . <i>International Journal of Biochemistry and Cell Biology</i> , 1995 , 27, 821-30	5.6	14
216	Fish muscle phosphofructokinase: Influences of protein concentration on enzyme kinetic behaviour. <i>International Journal of Biochemistry and Cell Biology</i> , 1995 , 27, 1277-1283	5.6	8
215	Effects of anoxia on protein phosphatase in turtle organs: purification and properties of protein phosphatase type-1 from turtle liver. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 316, 836-43	4.1	20
214	Quantification of lipid peroxidation in tissue extracts based on Fe(III)xylene orange complex formation. <i>Free Radical Biology and Medicine</i> , 1995 , 19, 271-80	7.8	384
213	Chapter 13 Is glycolytic rate controlled by the reversible binding of enzymes to subcellular structures?. <i>Biochemistry and Molecular Biology of Fishes</i> , 1995 , 4, 291-307		4
212	Regulation of Enzymes of Carbohydrate Metabolism during Anoxia in the Salt Marsh Bivalve <i>Geukensia demissus</i> . <i>Physiological Zoology</i> , 1995 , 68, 567-582		6
211	Chapter 6 The basis of enzymatic adaptation. <i>Principles of Medical Biology</i> , 1995 , 147-169		2
210	Fructose-1,6-bisphosphatase from a cold-hardy insect: Control of cryoprotectant glycerol catabolism. <i>Archives of Insect Biochemistry and Physiology</i> , 1995 , 28, 225-235	2.3	3
209	Temperature acclimation and seasonal responses by enzymes in cold-hardy gall insects. <i>Archives of Insect Biochemistry and Physiology</i> , 1995 , 28, 339-349	2.3	21
208	Metabolic effects of dehydration on an aquatic frog, <i>Rana pipiens</i> . <i>Journal of Experimental Biology</i> , 1995 , 198, 147-54	3	24
207	Metabolic effects of dehydration on an aquatic frog, <i>Rana pipiens</i> .. <i>Journal of Experimental Biology</i> , 1995 , 198, 147-154	3	30

206	1H magnetic resonance imaging of freezing and thawing in freeze-tolerant frogs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1994 , 266, R1771-7	3.2	8
205	Freeze tolerance in turtles: visual analysis by microscopy and magnetic resonance imaging. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1994 , 267, R1078-88	3.2	8
204	Effects of temperature and freezing on hepatocytes isolated from a freeze-tolerant frog. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1994 , 266, R1477-82	3.2	8
203	Enzyme activity profiles in an overwintering population of freeze-avoiding gall moth larvae, <i>Epiblema scudderiana</i> . <i>Canadian Journal of Zoology</i> , 1994 , 72, 1079-1086	1.5	15
202	Alterations in hepatic adrenergic receptor status in <i>Rana sylvatica</i> in response to freezing and thawing: implications to the freeze-induced glycemic response. <i>Canadian Journal of Physiology and Pharmacology</i> , 1994 , 72, 1552-60	2.4	24
201	Anoxia induces changes in translatable mRNA populations in turtle organs: a possible adaptive strategy for anaerobiosis. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994 , 164, 405-14	2.2	22
200	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	2.2	51
199	Influence of exercise on the distribution of enzymes in trout white muscle and kinetic properties of AMP-deaminase from free and bound fractions. <i>Fish Physiology and Biochemistry</i> , 1994 , 13, 407-18	2.7	11
198	Deoxyribose degradation catalyzed by Fe(III)-EDTA: kinetic aspects and potential usefulness for submicromolar iron measurements. <i>Molecular and Cellular Biochemistry</i> , 1994 , 137, 65-73	4.2	35
197	Effects of dehydration on organ metabolism in the frog <i>Pseudacris crucifer</i> : hyperglycemic responses to dehydration mimic freezing-induced cryoprotectant production. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994 , 164, 492-8	2.2	29
196	Urea and salt effects on enzymes from estivating and non-estivating amphibians. <i>Molecular and Cellular Biochemistry</i> , 1994 , 131, 9-17	4.2	36
195	Metabolic depression in land snails: in vitro analysis of protein kinase involvement in pyruvate kinase control in isolated <i>Otala lactea</i> tissues. <i>The Journal of Experimental Zoology</i> , 1994 , 269, 507-14		16
194	Regulation of rainbow trout white muscle phosphofructokinase during exercise. <i>International Journal of Biochemistry & Cell Biology</i> , 1994 , 26, 519-528		12
193	Effect of exercise on the properties of AMP-deaminase from trout white muscle. <i>International Journal of Biochemistry & Cell Biology</i> , 1994 , 26, 1305-1312		5
192	Analysis of enzyme regulation via reversible phosphorylation and enzyme binding interactions with macromolecules. <i>Biochemistry and Molecular Biology of Fishes</i> , 1994 , 3, 603-614		2
191	Mitochondrial enzymes during overwintering in two species of cold-hardy gall insects. <i>Insect Biochemistry and Molecular Biology</i> , 1994 , 24, 145-150	4.5	48
190	Purification and characterization of aldolase from the cold hardy insect <i>Epiblema scudderiana</i> : Enzyme role in glycerol biosynthesis. <i>Insect Biochemistry and Molecular Biology</i> , 1994 , 24, 265-270	4.5	8
189	Metabolic responses to dehydration by liver of the wood frog, <i>Rana sylvatica</i> . <i>Canadian Journal of Zoology</i> , 1994 , 72, 1420-1425	1.5	21

188	Patterns of protein synthesis and phosphorylation during anoxia in the land snail <i>Otala lactea</i> . <i>Canadian Journal of Zoology</i> , 1994 , 72, 856-862	1.5	6
187	Immobilization of Polysaccharide-degrading Enzymes. <i>Biotechnology and Genetic Engineering Reviews</i> , 1994 , 12, 409-466	4.1	6
186	6-phosphogluconate dehydrogenase from a freeze tolerant insect: Control of the hexose monophosphate shunt and NADPH production during cryoprotectant synthesis. <i>Insect Biochemistry and Molecular Biology</i> , 1994 , 24, 167-173	4.5	20
185	The Properties and Redistribution after Exercise Free and Bound AMP-Deaminase in White Trout Muscle. <i>Clinical Science</i> , 1994 , 87, 119-119		
184	Regulation of phosphofructokinase from muscle and liver of rainbow trout by protein phosphorylation. <i>IUBMB Life</i> , 1994 , 33, 1191-200		1
183	Impact of anoxia and hydrogen sulphide on the metabolism of <i>Arctica islandica</i> L. (<i>Bivalvia</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 1993 , 170, 213-226	2.1	29
182	Phosphofructokinase from liver of the rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Archives of Biochemistry and Biophysics</i> , 1993 , 302, 49-55	4.1	7
181	Characterization of alpha-glucosidases from rainbow trout liver. <i>Archives of Biochemistry and Biophysics</i> , 1993 , 306, 188-94	4.1	20
180	Regulation of phosphofructokinase and the control of cryoprotectant synthesis in a freeze-avoiding insect. <i>Canadian Journal of Zoology</i> , 1993 , 71, 1895-1899	1.5	7
179	6-Phosphofructo-2-kinase and control of cryoprotectant synthesis in freeze tolerant frogs. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1993 , 1158, 29-32	4	18
178	Freezing Survival and Metabolism of Box Turtles, <i>Terrapene carolina</i> . <i>Copeia</i> , 1993 , 1993, 628	1.1	14
177	Control of glycogenolysis and effects of exercise on phosphorylase kinase and cAMP-dependent protein kinase in rainbow trout organs. <i>Biochemistry and Cell Biology</i> , 1993 , 71, 501-6	3.6	13
176	Purification and molecular properties of glycogen phosphorylase b from trout white muscle. <i>Biochemistry and Cell Biology</i> , 1993 , 71, 308-12	3.6	3
175	Dehydration tolerance in wood frogs: a new perspective on development of amphibian freeze tolerance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1993 , 265, R1324-32	3.2	29
174	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, R646-52	3.2	44
173	De novo protein synthesis and protein phosphorylation during anoxia and recovery in the red-eared turtle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1993 , 265, R1380-6	3.2	12
172	Adaptations of plasma membrane glucose transport facilitate cryoprotectant distribution in freeze-tolerant frogs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1993 , 265, R1036-42	3.2	9
171	A batch elution procedure for assaying adenylate cyclase. <i>Analytical Biochemistry</i> , 1993 , 210, 419-21	3.1	1

170	An improvement in the pyruvate dehydrogenase complex assay: a high-yield method for purifying arylamine acetyltransferase. <i>Analytical Biochemistry</i> , 1993 , 212, 452-6	3.1	11
169	Protein kinase C in turtle brain: changes in enzyme activity during anoxia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1993 , 163, 84-88	2.2	9
168	Control of glycolytic enzyme binding: effect of changing enzyme substrate concentrations on in vivo enzyme distributions. <i>Molecular and Cellular Biochemistry</i> , 1993 , 122, 1-7	4.2	9
167	In vitro oxidative inactivation of glutathione S-transferase from a freeze tolerant reptile. <i>Molecular and Cellular Biochemistry</i> , 1993 , 124, 149-58	4.2	43
166	Freeze tolerance in hermit flower beetle (<i>Osmoderma eremicola</i>) larvae. <i>Journal of Insect Physiology</i> , 1993 , 39, 737-742	2.4	12
165	Freezing survival of the garter snake <i>Thamnophis sirtalis parietalis</i> . <i>Canadian Journal of Zoology</i> , 1992 , 70, 99-105	1.5	30
164	Natural freeze tolerance in ectothermic vertebrates. <i>Annual Review of Physiology</i> , 1992 , 54, 619-37	23.1	188
163	Biochemical modification of plasma ice nucleating activity in a freeze-tolerant frog. <i>Cryobiology</i> , 1992 , 29, 374-84	2.7	26
162	Natural freezing survival by painted turtles <i>Chrysemys picta marginata</i> and <i>C. picta bellii</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1992 , 262, R530-7	3.2	15
161	Cryomicroscopic analysis of freezing in liver of the freeze-tolerant wood frog. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1992 , 263, R185-94	3.2	10
160	Mechanisms of glycolytic control during hibernation in the ground squirrel <i>Spermophilus lateralis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1992 , 162, 23	2.2	56
159	Influence of long-term hypoxia on the energy metabolism of the haemoglobin-containing bivalve <i>Scapharca inaequalvis</i> : critical O ₂ levels for metabolic depression. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1992 , 162, 297-304	2.2	17
158	Gluconeogenesis in trout (<i>Oncorhynchus mykiss</i>) white muscle: purification and characterization of fructose-1,6-bisphosphatase activity in vitro. <i>Fish Physiology and Biochemistry</i> , 1992 , 10, 201-12	2.7	7
157	Hormonal effects on glycogen metabolism in isolated hepatocytes of a freeze-tolerant frog. <i>General and Comparative Endocrinology</i> , 1992 , 87, 44-53	3	26
156	Immobilization of glucose isomerase onto granular chicken bone. <i>Applied Biochemistry and Biotechnology</i> , 1992 , 32, 79-87	3.2	4
155	Immobilization of amyloglucosidase onto granular chicken bone. <i>Applied Biochemistry and Biotechnology</i> , 1992 , 32, 89-109	3.2	7
154	Fructose production. <i>Applied Biochemistry and Biotechnology</i> , 1992 , 36, 63-74	3.2	9
153	Phosphofructokinase from white muscle of the rainbow trout, <i>Oncorhynchus mykiss</i> : purification and properties. <i>BBA - Proteins and Proteomics</i> , 1992 , 1160, 301-8		9

152	Bound and determined: a computer program for making buffers of defined ion concentrations. <i>Analytical Biochemistry</i> , 1992 , 201, 119-26	3.1	327
151	Responses to freezing exposure of hatchling turtles <i>Trachemys scripta elegans</i> : factors influencing the development of freeze tolerance by reptiles. <i>Journal of Experimental Biology</i> , 1992 , 167, 221-33	3	15
150	Responses to freezing exposure of hatchling turtles <i>Trachemys scripta elegans</i> : factors influencing the development of freeze tolerance by reptiles. <i>Journal of Experimental Biology</i> , 1992 , 167, 221-233	3	20
149	Energy metabolism of bivalves at reduced oxygen tensions 1992 , 1029-1039		5
148	Properties of Pyruvate Dehydrogenase from the Land Snail, <i>Otala lactea</i> : Control of Enzyme Activity during Estivation. <i>Physiological Zoology</i> , 1992 , 65, 620-633		26
147	Glucose-6-phosphate dehydrogenase in cold hardy insects: Kinetic properties, freezing stabilization, and control of hexose monophosphate shunt activity. <i>Insect Biochemistry</i> , 1991 , 21, 157-164		31
146	Evidence for phosphorylation/dephosphorylation control of phosphofructokinase from organs of the Anoxia-Tolerant sea mussel <i>Mytilus edulis</i> . <i>The Journal of Experimental Zoology</i> , 1991 , 257, 1-9		32
145	Metabolic consequences of exercise in organs of rainbow trout. <i>The Journal of Experimental Zoology</i> , 1991 , 260, 157-164		26
144	Differential sensitivities to hypoxia by two anoxia-tolerant marine molluscs: A biochemical analysis. <i>Marine Biology</i> , 1991 , 111, 343-351	2.5	84
143	A quantitative evaluation of the effect of enzyme complexes on the glycolytic rate in vivo: mathematical modeling of the glycolytic complex. <i>Journal of Theoretical Biology</i> , 1991 , 149, 361-75	2.3	25
142	Differential survival of <i>Venus gallina</i> and <i>Scapharca inaequivalvis</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	2.2	46
141	Biochemistry of Cryoprotectants 1991 , 64-93		134
140	Metabolic responses to freezing by organs of hatchling painted turtles <i>Chrysemys picta marginata</i> and <i>C. p. bellii</i> . <i>Canadian Journal of Zoology</i> , 1991 , 69, 2978-2984	1.5	15
139	The role of protein kinases in anoxia tolerance in facultative anaerobes: purification and characterization of a protein kinase that phosphorylates pyruvate kinase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991 , 1073, 253-9	4	6
138	Glucose and caffeine regulation of liver glycogen phosphorylase activity in the freeze-tolerant wood frog <i>Rana sylvatica</i> . <i>Biochemistry and Cell Biology</i> , 1991 , 69, 251-5	3.6	3
137	Organ-specific regulation of phosphofructokinase during facultative anaerobiosis in the marine whelk <i>Busycotypus canaliculatum</i> . <i>Canadian Journal of Zoology</i> , 1991 , 69, 70-75	1.5	12
136	Role of enzyme binding in muscle metabolism of the goldfish. <i>Canadian Journal of Zoology</i> , 1991 , 69, 1571-1576	1.5	17
135	Citrate synthase in the rainbow trout heart: regulation by pH, temperature, and metabolite levels. <i>Canadian Journal of Zoology</i> , 1991 , 69, 3020-3027	1.5	1

134	Where is the glycolytic complex? A critical evaluation of present data from muscle tissue. <i>FEBS Letters</i> , 1991 , 278, 135-8	3.8	43
133	Studies on the Regulation of Enzyme Binding During Anoxia in Isolated Tissues of <i>Busycon Canaliculatum</i> . <i>Journal of Experimental Biology</i> , 1991 , 156, 467-481	3	13
132	Regulation of Phosphofructokinase during Estivation and Anoxia in the Land Snail, <i>Otala lactea</i> . <i>Physiological Zoology</i> , 1991 , 64, 595-610		28
131	Metabolic rate depression and biochemical adaptation in anaerobiosis, hibernation and estivation. <i>Quarterly Review of Biology</i> , 1990 , 65, 145-74	5.4	495
130	Frozen and alive. <i>Scientific American</i> , 1990 , 263, 92-7	0.5	59
129	One-step conversion of cellulose to fructose using coimmobilized cellulase, β -glucosidase, and glucose isomerase. <i>Applied Biochemistry and Biotechnology</i> , 1990 , 23, 139-154	3.2	14
128	Immobilization of amyloglucosidase using two forms of polyurethane polymer. <i>Applied Biochemistry and Biotechnology</i> , 1990 , 23, 221-36	3.2	19
127	Phosphofructokinase from a vertebrate facultative anaerobe: effects of temperature and anoxia on the kinetic parameters of the purified enzyme from turtle white muscle. <i>BBA - Proteins and Proteomics</i> , 1990 , 1037, 161-4		4
126	Tissue specificity of the mitochondrial forms of malic enzyme in herring tissues. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990 , 95, 817-820		4
125	Changes in enzyme binding and activity during aestivation in the frog <i>Neobatrachus pelobatoides</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990 , 96, 67-71		14
124	Regulation of glycolytic enzymes in the marine invertebrate <i>Halicryptus spinulosus</i> (Priapulida) during environmental anoxia and exposure to hydrogen sulfide. <i>Marine Biology</i> , 1990 , 106, 261-266	2.5	21
123	cGMP-stimulated protein kinase phosphorylates pyruvate kinase in an anoxia-tolerant marine mollusc. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1990 , 160, 309-316	2.2	29
122	Mitochondrial NAD(P)-dependent malic enzyme from herring testicular tissue: Purification, kinetic behaviour and regulatory properties. <i>Fish Physiology and Biochemistry</i> , 1990 , 8, 475-84	2.7	4
121	Influence of pH on the regulatory properties of aerobic and anoxic forms of pyruvate kinase in a marine whelk. <i>The Journal of Experimental Zoology</i> , 1990 , 253, 245-251		12
120	Anaerobiosis and the regulation of glycolytic enzymes in the sea anemone <i>Metridium senile</i> . <i>The Journal of Experimental Zoology</i> , 1990 , 256, 154-161		3
119	Phosphofructokinase from the anterior byssus retractor muscle of <i>Mytilus edulis</i> : Modification of the enzyme in anoxia and by endogenous protein kinases. <i>International Journal of Biochemistry & Cell Biology</i> , 1990 , 22, 759-765		42
118	Regulation of coenzyme utilization by mitochondrial NAD(P)-dependent malic enzyme. <i>International Journal of Biochemistry & Cell Biology</i> , 1990 , 22, 471-5		3
117	Life in a frozen state: adaptive strategies for natural freeze tolerance in amphibians and reptiles. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1990 , 258, R559-68	3.2	25

116	Biochemistry of natural freeze tolerance in animals: molecular adaptations and applications to cryopreservation. <i>Biochemistry and Cell Biology</i> , 1990 , 68, 687-98	3.6	18
115	Anaerobiosis and organ-specific regulation of glycolysis in a marine whelk. <i>Canadian Journal of Zoology</i> , 1990 , 68, 974-980	1.5	9
114	Interactions of temperature and pH on the regulatory properties of pyruvate kinase from organs of a marine mollusc. <i>Journal of Experimental Marine Biology and Ecology</i> , 1990 , 140, 187-196	2.1	8
113	Ice nucleating activity in the blood of the freeze-tolerant frog, <i>Rana sylvatica</i> . <i>Cryobiology</i> , 1990 , 27, 328-335	2.5	45
112	Glycolytic Enzyme Binding and Metabolic Control in Estivation and Anoxia in the Land Snail <i>Otala Lactea</i> . <i>Journal of Experimental Biology</i> , 1990 , 151, 193-204	3	39
111	Pyruvate Kinase from the Land Snail <i>Otala Lactea</i> : Regulation by Reversible Phosphorylation During Estivation and Anoxia. <i>Journal of Experimental Biology</i> , 1990 , 154, 321-337	3	41
110	Organ-Specific Analysis of the Time Course of Covalent Modification of Pyruvate Kinase during Anaerobiosis in a Marine Whelk. <i>Physiological Zoology</i> , 1990 , 63, 222-234		13
109	Regulation of glycolytic enzymes during anoxia in the turtle <i>Pseudemys scripta</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1989 , 257, R278-83	3.2	14
108	Enhanced glucose production from cellulose using coimmobilized cellulase and α -glucosidase. <i>Applied Biochemistry and Biotechnology</i> , 1989 , 22, 263-278	3.2	11
107	Metabolic correlates to glycerol biosynthesis in a freeze-avoiding insect, <i>Epiblema scudderiana</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1989 , 159, 461-472	2.2	30
106	Metabolic consequences of rapid cycles of temperature change for freeze-avoiding vs freeze-tolerant insects. <i>Journal of Insect Physiology</i> , 1989 , 35, 579-585	2.4	33
105	Intermediary Energy Metabolism during Dormancy and Anoxia in the Land Snail <i>Otala lactea</i> . <i>Physiological Zoology</i> , 1989 , 62, 1015-1030		58
104	Influence of Hormones, Second Messengers and pH on the Expression of Metabolic Responses to Anoxia in a Marine Whelk. <i>Journal of Experimental Biology</i> , 1989 , 145, 31-43	3	19
103	Freeze Tolerance and Freeze Avoidance in Ectotherms. <i>Advances in Comparative and Environmental Physiology</i> , 1989 , 51-82		12
102	Theoretical analysis of compartmented coupling in linear enzyme systems. <i>Journal of Molecular Recognition</i> , 1988 , 1, 63-8	2.6	3
101	Dissociation-association of lactate dehydrogenase isozymes: influences on the formation of tetramers versus dimers of M4-LDH and H4-LDH. <i>International Journal of Biochemistry & Cell Biology</i> , 1988 , 20, 1261-5		21
100	NAD(+)-linked isocitrate dehydrogenase in fish tissues. <i>Fish Physiology and Biochemistry</i> , 1988 , 5, 1-8	2.7	7
99	Mitochondrial NAD(P)-malic enzyme from herring skeletal muscle : Purification and some kinetic and regulatory properties. <i>Fish Physiology and Biochemistry</i> , 1988 , 5, 241-8	2.7	8

98	Role of covalent modification in the control of glycolytic enzymes in response to environmental anoxia in goldfish. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1988 , 157, 813-820	2.2	28
97	Purification of phosphofructokinase using transition-state analogue affinity chromatography. <i>Journal of Chromatography A</i> , 1988 , 455, 291-6	4.5	3
96	Immobilization of cellulase using polyurethane foam. <i>Applied Biochemistry and Biotechnology</i> , 1988 , 19, 189-207	3.2	25
95	Reevaluation of the "glycolytic complex" in muscle: a multitechnique approach using trout white muscle. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 267, 13-22	4.1	40
94	Anoxic brain function: molecular mechanisms of metabolic depression. <i>FEBS Letters</i> , 1988 , 232, 214-6	3.8	23
93	Tissue-specific biochemical responses during anoxia and recovery in the channeled whelk. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988 , 121, 165-176	2.1	13
92	Electrophoretic analysis of liver glycogen phosphorylase activation in the freeze-tolerant wood frog. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1988 , 971, 72-84	4.9	9
91	Freeze tolerance: constraining forces, adaptive mechanisms. <i>Canadian Journal of Zoology</i> , 1988 , 66, 1122-1127	1.5	19
90	Suspended animation: the molecular basis of metabolic depression. <i>Canadian Journal of Zoology</i> , 1988 , 66, 124-132	1.5	86
89	Mechanisms of glycolytic control during facultative anaerobiosis in a marine mollusc: tissue-specific analysis of glycogen phosphorylase and fructose-2,6-bisphosphate. <i>Canadian Journal of Zoology</i> , 1988 , 66, 1767-1771	1.5	28
88	Electrophoretic analysis of liver glycogen phosphorylase activation in the freeze-tolerant wood frog. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988 , 971, 72-84	4.6	1
87	Hatchling turtles survive freezing during winter hibernation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 8350-4	11.5	98
86	Freeze tolerance in animals. <i>Physiological Reviews</i> , 1988 , 68, 27-84	47.9	503
85	Persistence of Freeze Tolerance in Terrestrially Hibernating Frogs after Spring Emergence. <i>Copeia</i> , 1987 , 1987, 720	1.1	40
84	Tissue-Specific Controls on Carbohydrate Catabolism during Anoxia in Goldfish. <i>Physiological Zoology</i> , 1987 , 60, 601-607		44
83	Tissue-specific alanopine dehydrogenase from the gill and strombine dehydrogenase from the foot muscle of the cherrystone clam <i>Mercenaria mercenaria</i> (Linn.). <i>Journal of Experimental Marine Biology and Ecology</i> , 1987 , 105, 175-185	2.1	10
82	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	2.4	82
81	Strategies of freeze avoidance in larvae of the goldenrod gall moth, <i>Epiblema scudderiana</i> : Laboratory investigations of temperature cues in the regulation of cold hardiness. <i>Journal of Insect Physiology</i> , 1987 , 33, 581-586	2.4	26

80	Investigations of the mechanisms of glycolytic control during hibernation. <i>Canadian Journal of Zoology</i> , 1987 , 65, 3079-3083	1.5	13
79	Organ-specific metabolism during freezing and thawing in a freeze-tolerant frog. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1987 , 253, R292-7	3.2	23
78	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	2.2	42
77	The fate of [¹⁴ C]glucose during cold-hardening in <i>Eurosta solidaginis</i> (Fitch). <i>Insect Biochemistry</i> , 1987 , 17, 347-352		24
76	Regulation of liver metabolism by enzyme phosphorylation during mammalian hibernation. <i>Journal of Biological Chemistry</i> , 1987 , 262, 1670-3	5.4	45
75	Regulation of liver metabolism by enzyme phosphorylation during mammalian hibernation.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 1670-1673	5.4	54
74	Glycolytic enzyme binding and metabolic control in anaerobiosis. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1986 , 156, 635-640	2.2	46
73	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	2.4	79
72	Effect of temperature acclimation on haemolymph composition in the freeze-tolerant larvae of <i>Eurosta solidaginis</i> . <i>Journal of Insect Physiology</i> , 1986 , 32, 897-902	2.4	18
71	Freeze tolerant frogs: cryoprotectants and tissue metabolism during freeze-thaw cycles. <i>Canadian Journal of Zoology</i> , 1986 , 64, 49-56	1.5	95
70	Freeze tolerance and intolerance as strategies of winter survival in terrestrially-hibernating amphibians. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1986 , 83, 613-7		104
69	Aspartate activation of pyruvate kinase in anoxia tolerant molluscs. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1986 , 83, 807-812		4
68	Tissue specific isozymes of pyruvate kinase in the channelled whelk <i>Busycotypus canaliculatum</i> : enzyme modification in response to environmental anoxia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1985 , 155, 291-296	2.2	38
67	Freezing and cellular metabolism in the gall fly larva, <i>Eurosta solidaginis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1985 , 155, 333-337	2.2	33
66	Kinetic and regulatory properties of pyruvate kinase isozymes from flight muscle and fat body of the cockroach, <i>Periplaneta americana</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1985 , 155, 339-345	2.2	12
65	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	2.2	79
64	Phosphofructokinase from flight muscle of the cockroach, <i>Periplaneta americana</i> . <i>Insect Biochemistry</i> , 1985 , 15, 663-666		20
63	³¹ P nuclear magnetic resonance studies of crayfish (<i>Orconectes virilis</i>). The use of inversion spin transfer to monitor enzyme kinetics in vivo. <i>FEBS Journal</i> , 1985 , 149, 79-83		21

62	Characterization of mitochondria isolated from the freezing-tolerant larvae of the goldenrod gall fly (<i>Eurosta solidaginis</i>): substrate preferences, salt effects, and pH effects on warm- and cold-acclimated animals. <i>Canadian Journal of Zoology</i> , 1985 , 63, 373-379	1.5	11
61	Adaptations of metabolism for freeze tolerance in the gray tree frog, <i>Hyla versicolor</i> . <i>Canadian Journal of Zoology</i> , 1985 , 63, 49-54	1.5	57
60	Purification and properties of aerobic and anoxic forms of pyruvate kinase from the hepatopancreas of the channelled whelk, <i>Busycotypus canaliculatum</i> . <i>Archives of Biochemistry and Biophysics</i> , 1985 , 243, 195-205	4.1	26
59	Fructose 2,6-bisphosphate and anaerobic metabolism in marine molluscs. <i>FEBS Letters</i> , 1985 , 181, 245-248	3.8	27
58	³¹ P-NMR studies of the freeze-tolerant larvae of the gall fly, <i>Eurosta solidaginis</i> . <i>FEBS Journal</i> , 1984 , 142, 591-5		23
57	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, 257-65		66
56	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, 267-72		63
55	Freeze tolerance in the frog, <i>Rana sylvatica</i> . <i>Experientia</i> , 1984 , 40, 1261-1262		28
54	Biochemical adaptation 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	2.2	153
53	Phosphofructokinase from foot muscle of the whelk, <i>Busycotypus canaliculatum</i> : evidence for covalent modification of the enzyme during anaerobiosis. <i>Archives of Biochemistry and Biophysics</i> , 1984 , 235, 665-72	4.1	45
52	Buffering Capacities of the Tissues of Marine Molluscs. <i>Physiological Zoology</i> , 1984 , 57, 567-572		17
51	Tissue specific isozymes of glutamate dehydrogenase from the Japanese beetle, <i>Popillia japonica</i> : Catabolic vs anabolic GDH β . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1983 , 151, 199-205	2.2	10
50	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	2.2	95
49	Biochemistry of freeze tolerance in terrestrial insects. <i>Trends in Biochemical Sciences</i> , 1983 , 8, 242-245	10.3	22
48	Purification and properties of alanopine dehydrogenase isozymes from the channelled whelk, <i>Busycotypus canaliculatum</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1983 , 76, 321-326		7
47	Regulation of cockroach flight muscle phosphofructokinase by fructose 2,6-bisphosphate. <i>FEBS Letters</i> , 1983 , 161, 265-268	3.8	16
46	Metabolism and bound water in overwintering insects. <i>Cryobiology</i> , 1983 , 20, 365-79	2.7	56
45	In vivo detection of cryoprotectants and lipids in overwintering larvae using carbon-13 nuclear magnetic resonance spectroscopy. <i>Canadian Journal of Biochemistry and Cell Biology</i> , 1983 , 61, 1260-1264		12

44	Anaerobiosis, recovery from anoxia, and the role of strombine and alanopine in the oyster <i>Crassostrea virginica</i> . <i>Canadian Journal of Zoology</i> , 1983 , 61, 2682-2687	1.5	32
43	Organ-specific metabolism during anoxia and recovery from anoxia in the cherrystone clam, <i>Mercenaria mercenaria</i> . <i>Canadian Journal of Zoology</i> , 1983 , 61, 2674-2681	1.5	20
42	Carbohydrate Metabolism in Cephalopod Molluscs 1983 , 91-136		13
41	Phosphofructokinase from oyster adductor muscle. <i>Methods in Enzymology</i> , 1982 , 90 Pt E, 39-44	1.7	10
40	Fructose-1,6-bisphosphatase from bumblebee flight muscle. <i>Methods in Enzymology</i> , 1982 , 90 Pt E, 366-717		2
39	Kinetic properties and regulation of glycerol-3-phosphate dehydrogenase from the overwintering, freezing-tolerant gall fly larva, <i>Eurosta solidagenis</i> . <i>Cryobiology</i> , 1982 , 19, 185-94	2.7	5
38	Tissue specific isozymes of alanopine dehydrogenase in the channeled whelk <i>Busycotypus canaliculatum</i> . <i>Canadian Journal of Zoology</i> , 1982 , 60, 1568-1572	1.5	21
37	Phosphofructokinase from the overwintering gall fly larva, <i>Eurosta solidagenis</i> : Control of cryoprotant polyol synthesis. <i>Insect Biochemistry</i> , 1982 , 12, 501-505		35
36	Purification and properties of glutamate dehydrogenase from the cold-hardy gall fly larva, <i>Eurosta solidagenis</i> . <i>Insect Biochemistry</i> , 1982 , 12, 507-514		11
35	Regulation of coenzyme utilization by bovine liver glutamate dehydrogenase: investigations using thionicotinamide analogues of NAD and NADP in a dual wavelength assay. <i>International Journal of Biochemistry & Cell Biology</i> , 1982 , 14, 1083-9		10
34	Gas-liquid chromatography and enzymatic determination of alanopine and strombine in tissues of marine invertebrates. <i>Analytical Biochemistry</i> , 1982 , 125, 50-8	3.1	23
33	Alanopine dehydrogenase: Purification and characterization of the enzyme from <i>Littorina littorea</i> foot muscle. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1982 , 149, 57-65	2.2	21
32	Determination of water "bound" by soluble subcellular components during low-temperature acclimation in the gall fly larva, <i>Eurosta solidagenis</i> . <i>Cryobiology</i> , 1981 , 18, 315-21	2.7	62
31	Intermediary metabolism during low temperature acclimation in the overwintering gall fly larva, <i>Eurosta solidagenis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1981 , 144, 183-190	2.2	123
30	Biochemical strategies of overwintering in the gall fly larva, <i>Eurosta solidagenis</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	2.2	69
29	Effects of arginine phosphate and octopine on glycolytic enzyme activities from <i>Sepia officinalis</i> mantle muscle. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1981 , 142, 501-507	2.2	10
28	Enzyme activities and isozyme composition of triglyceride, diglyceride and monoglyceride lipases in <i>Periplaneta americana</i> , <i>Locusta migratoria</i> and <i>Polia adjuncta</i> . <i>Insect Biochemistry</i> , 1981 , 11, 423-427		19
27	Regulatory properties of hexokinase from flight muscle of <i>Schistocerca americana gregaria</i> . Role of the enzyme in control of glycolysis during the rest-to-flight transition. <i>Insect Biochemistry</i> , 1980 , 10, 637-645		17

26	Kinetic properties of purified aldolase from flight muscle of <i>Schistocerca americana gregaria</i> . Role of the enzyme in the transition from carbohydrate to lipid-fueled flight. <i>Insect Biochemistry</i> , 1980 , 10, 647-655		22
25	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 ? B</i> , 1979 , 131, 311-319		46
24	Kinetic characterization of tissue-specific isozymes of octopine dehydrogenase from mantle muscle and brain of <i>Sepia officinalis</i> . Functional similarities to the M4 and H4 isozymes of lactate dehydrogenase. <i>FEBS Journal</i> , 1979 , 93, 545-42		33
23	Octopine metabolism in <i>Sepia officinalis</i> : effect of hypoxia and metabolite loads on the blood levels of octopine and related compounds. <i>Canadian Journal of Zoology</i> , 1979 , 57, 2331-2336	1.5	15
22	Energy metabolism in the mantle muscle of the squid, <i>Loligo pealeii</i> . <i>Journal of Comparative Physiology ? B</i> , 1978 , 123, 169-175		49
21	The intracellular distribution of enzymes of carbohydrate degradation in the fat body of the adult male cockroach. <i>Insect Biochemistry</i> , 1978 , 8, 73-79		31
20	Intracellular distribution of enzymes associated with lipogenesis and gluconeogenesis in fat body of the adult cockroach, <i>Periplaneta</i> . <i>Insect Biochemistry</i> , 1978 , 8, 125-131		40
19	Purification and properties of glutamate dehydrogenase from the mantle muscle of the squid, <i>Loligo pealeii</i> . Role of the enzyme in energy production from amino acids. <i>The Journal of Experimental Zoology</i> , 1978 , 205, 111-8		23
18	Purification and properties of fructose diphosphatase from bumblebee flight muscle. Role of the enzyme in control of substrate cycling. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1978 , 523, 443-53	3.8	10
17	Purification and characterization of arginine kinase from the mantle muscle of the squid, <i>Symplectoteuthis oualaniensis</i> . Role of the phosphagen/phosphagen kinase system in a highly aerobic muscle. <i>Archives of Biochemistry and Biophysics</i> , 1977 , 179, 518-29	4.1	32
16	Tissue specific isozymes of octopine dehydrogenase in the cuttlefish, <i>Sepia officinalis</i> . The roles of octopine dehydrogenase and lactate dehydrogenase in <i>Sepia</i> . <i>Journal of Comparative Physiology ? B</i> , 1977 , 115, 159-169		23
15	The pyruvate branch point in squid brain: competition between octopine dehydrogenase and lactate dehydrogenase. <i>Canadian Journal of Zoology</i> , 1976 , 54, 879-85	1.5	18
14	Purification and properties of adductor muscle phosphofructokinase from the oyster, <i>Crassostrea virginica</i> . The aerobic/anaerobic transition: role of arginine phosphate in enzyme control. <i>FEBS Journal</i> , 1976 , 70, 331-7		25
13	Catalytic and regulatory properties of pyruvate kinase isozymes from octopus mantle muscle and liver. <i>Canadian Journal of Zoology</i> , 1976 , 54, 863-70	1.5	19
12	Purification and properties of turtle heart creatine kinase: role for the enzyme in glycolytic control. <i>International Journal of Biochemistry & Cell Biology</i> , 1975 , 6, 53-59		5
11	Metabolic sources of power for mantle muscle of a fast swimming squid. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1975 , 52, 151-8		13
10	Metabolic consequences of diving in animals and man. <i>Science</i> , 1975 , 187, 613-21	33.3	114
9	Activation of muscle glycolysis: a role for creatine phosphate in phosphofructokinase regulation. <i>FEBS Letters</i> , 1974 , 46, 337-9	3.8	34

8	Glycolytic enzymes in muscle of the pacific dolphin: role of pyruvate kinase in aerobic-anaerobic transition during diving. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1974 , 49, 119-28		7
7	Enzymes of energy metabolism from a vertebrate facultative anaerobe, <i>Pseudemys scripta</i> . Turtle heart phosphofructokinase. <i>Journal of Biological Chemistry</i> , 1974 , 249, 1417-22	5-4	30
6	Enzymes of energy metabolism in a vertebrate facultative anaerobe, <i>Pseudemys scripta</i> . Turtle heart pyruvate kinase. <i>Journal of Biological Chemistry</i> , 1974 , 249, 1423-7	5-4	29
5	Enzymes of Energy Metabolism from a Vertebrate Facultative Anaerobe, <i>Pseudemys scripta</i> . <i>Journal of Biological Chemistry</i> , 1974 , 249, 1417-1422	5-4	31
4	Enzymes of Energy Metabolism in a Vertebrate Facultative Anaerobe, <i>Pseudemys scripta</i> . <i>Journal of Biological Chemistry</i> , 1974 , 249, 1423-1427	5-4	30
3	Oxygen: Stress and adaptation in cold-hardy insects 141-165		32
2	Abiotic environmental adaptation in vertebrates is characterized by functional genomic constraint		2
1	MicroRNA biogenesis proteins follow tissue-dependent expression during freezing in <i>Dryophytes versicolor</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> ,	2.2	1