Yichi Zhang

List of Publications by Year
in descending order

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492 papers	14,508 citations	34105 52 h-index	42399 92 g-index
503 all docs	503 docs citations	503 times ranked	9491 citing authors

#	Article	IF	Citations
1	Regulation of the unfolded protein response during dehydration stress in African clawed frogs, Xenopus laevis. Cell Stress and Chaperones, 2023, 28, 529-540.	2.9	3
2	Role of MicroRNAs in Extreme Animal Survival Strategies. Methods in Molecular Biology, 2022, 2257, 311-347.	0.9	7
3	44 Current Challenges in miRNomics. Methods in Molecular Biology, 2022, 2257, 423-438.	0.9	6
4	The naked truth: a comprehensive clarification and classification of current â€˜mythsâ€™ in naked moleâ€rat biology. Biological Reviews, 2022, 97, 115-140.	10.4	62
5	Functional genomics of abiotic environmental adaptation in lacertid lizards and other vertebrates. Journal of Animal Ecology, 2022, 91, 1163-1179.	2.8	4
6	The role of humanin in natural stress tolerance: An underexplored therapeutic avenue. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130022.	2.4	3
7	Pro- and anti-apoptotic microRNAs are differentially regulated during estivation in Xenopus laevis. Gene, 2022, 819, 146236.	2.2	2
8	Mitochondrial DNA methyltransferases and their regulation under freezing and dehydration stresses in the freeze-tolerant wood frog, Rana sylvatica. Biochemistry and Cell Biology, 2022, 100, 171-178.	2.0	1
9	MicroRNA, mRNA and protein responses to dehydration in skeletal muscle of the African-clawed frog, Xenopus laevis. Gene Reports, 2022, 26, 101507.	0.8	0
10	A â€œnotchâ€•in the cellular communication network in response to anoxia by wood frog (Rana) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.6	1
11	Phosphorylation status of pyruvate dehydrogenase in the mousebird Colius striatus undergoing torpor. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2022, 337, 337-345.	1.9	1
12	Lessons from nature: Leveraging the freeze-tolerant wood frog as a model to improve organ cryopreservation and biobanking. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2022, 261, 110747.	1.6	2
13	Regulation of the cell cycle under anoxia stress in tail muscle and hepatopancreas of the freshwater crayfish, Orconectes virilis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 269, 111215.	1.8	2
14	Feeding to satiation induces mild oxidative/carbonyl stress in the brain of young mice.. EXCLI Journal, 2022, 21, 77-92.	0.7	1
15	Cryptic Species Exist in Vietnamella sinensis Hsu, 1936 (Insecta: Ephemeroptera) from Studies of Complete Mitochondrial Genomes. Insects, 2022, 13, 412.	2.2	3
16	Regulation of Apoptosis and Autophagy During Anoxia in the Freshwater Crayfish, Faxonius virilis. Marine Biotechnology, 2022, 24, 626-639.	2.4	1
17	Activation of p53 in anoxic freshwater crayfish, Faxonius virilis. Journal of Experimental Biology, 2022, , .	1.7	1
18	Oneâ€step purification and regulation of fructose 1,6â€bisphosphatase from the liver of the freezeâ€tolerant wood frog, Rana sylvatica. Cell Biochemistry and Function, 2022, 40, 491-500.	2.9	0

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19	Peripheral circadian gene activity is altered during hibernation in the thirteen-lined ground squirrel. Cryobiology, 2022, 107, 48-56.	0.7	3
20	Impaired activity of the fusogenic micropeptide Myomixer causes myopathy resembling Carey-Fineman-Ziter syndrome. Journal of Clinical Investigation, 2022, 132, .	8.2	7
21	The first complete mitochondrial genome of Hexagenia rigida Mc Dunnough, 1924 (Ephemeroptera: Ephemeridae) and its phylogeny. Mitochondrial DNA Part B: Resources, 2022, 7, 1093-1095.	0.4	0
22	MicroRNA biogenesis proteins follow tissue-dependent expression during freezing in Dryophytes versicolor. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2022, 192, 611-622.	1.5	2
23	Metabolic Syndrome: Lessons from Rodent and Drosophila Models. BioMed Research International, 2022, 2022, 1-13.	1.9	6
24	DNA Hypomethylation May Contribute to Metabolic Recovery of Frozen Wood Frog Brains. Epigenomes, 2022, 6, 17.	1.8	0
25	RAGE management: ETS1- EGR1 mediated transcriptional networks regulate angiogenic factors in wood frogs. Cellular Signalling, 2022, 98, 110408.	3.6	1
26	Ultrastructural variation and key ER chaperones response induced by heat stress in intestinal cells of sea cucumber Apostichopus japonicus. Journal of Oceanology and Limnology, 2021, 39, 317-328.	1.3	8
27	Inflammasome signaling could be used to sense and respond to endogenous damage in brown but not white adipose tissue of a hibernating ground squirrel. Developmental and Comparative Immunology, 2021, 114, 103819.	2.3	5
28	Freeze tolerance and the underlying metabolite responses in the Xizang plateau frog, Nanorana parkeri. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2021, 191, 173-184.	1.5	12
29	Middle age as a turning point in mouse cerebral cortex energy and redox metabolism: Modulation by every-other-day fasting. Experimental Gerontology, 2021, 145, 111182.	2.8	22
30	5â€²-Adenosine monophosphate deaminase regulation in ground squirrels during hibernation. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 253, 110543.	1.6	1
31	Hypoxic naked moleâ€“rat brains use microRNA to coordinate hypometabolic fuels and neuroprotective defenses. Journal of Cellular Physiology, 2021, 236, 5080-5097.	4.1	16
32	Drosophila insulinâ€like peptides: from expression to functions â€“ a review. Entomologia Experimentalis Et Applicata, 2021, 169, 195-208.	1.4	39
33	Modulation of the intestinal barrier adaptive functions in red-eared slider (Trachemys scripta) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.0	12
34	Oxidative Damage? Not a Problem! The Characterization of Humanin-like Mitochondrial Peptide in Anoxia Tolerant Freshwater Turtles. Protein Journal, 2021, 40, 87-107.	1.6	5
35	Aspirin as a Potential Geroprotector: Experimental Data and Clinical Evidence. Advances in Experimental Medicine and Biology, 2021, 1286, 145-161.	1.6	7
36	The impact of dextran sodium sulphate and probiotic pre-treatment in a murine model of Parkinsonâ€™s disease. Journal of Neuroinflammation, 2021, 18, 20.	7.2	21

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37	Mind the GAP : Purification and characterization of urea resistant GAPDH during extreme dehydration. Proteins: Structure, Function and Bioinformatics, 2021, 89, 544-557.	2.6	1
38	The Role of Retinoblastoma Protein in Cell Cycle Regulation: An Updated Review. Current Molecular Medicine, 2021, 21, 620-629.	1.3	18
39	Insights from a vertebrate model organism on the molecular mechanisms of whole-body dehydration tolerance. Molecular and Cellular Biochemistry, 2021, 476, 2381-2392.	3.1	1
40	Synchronization of seasonal acclimatization and shortâ€term heat hardening improves physiological resilience in a changing climate. Functional Ecology, 2021, 35, 686-695.	3.6	22
41	Modulating Nrf2 transcription factor activity: Revealing the regulatory mechanisms of antioxidant defenses during hibernation in 13â€lined ground squirrels. Cell Biochemistry and Function, 2021, 39, 623-635.	2.9	4
42	Middle aged turn point in parameters of oxidative stress and glucose catabolism in mouse cerebellum during lifespan: minor effects of every-other-day fasting. Biogerontology, 2021, 22, 315-328.	3.9	4
43	MicroRNA expression patterns in the brown fat of hibernating 13-lined ground squirrels. Genomics, 2021, 113, 769-781.	2.9	8
44	Isoflurane and low-level carbon monoxide exposures increase expression of pro-survival miRNA in neonatal mouse heart. Cell Stress and Chaperones, 2021, 26, 541-548.	2.9	1
45	Nrf2 activates antioxidant enzymes in the anoxiaâ€tolerant redâ€eared slider turtle, Trachemys scripta elegans. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2021, 335, 426-435.	1.9	6
46	Every-other-day fasting reduces glycolytic capability in the skeletal muscle of young mice. Biologia (Poland), 2021, 76, 1627-1634.	1.5	1
47	Mitochondria and the Frozen Frog. Antioxidants, 2021, 10, 543.	5.1	16
48	mTOR Signaling in Metabolic Stress Adaptation. Biomolecules, 2021, 11, 681.	4.0	18
49	The Activation of Prosurvival Pathways in Myotis lucifugus during Torpor. Physiological and Biochemical Zoology, 2021, 94, 180-187.	1.5	3
50	Mitogenome Analysis of Four Lamiinae Species (Coleoptera: Cerambycidae) and Gene Expression Responses by Monochamus alternatus When Infected with the Parasitic Nematode, Bursaphelenchus mucronatus. Insects, 2021, 12, 453.	2.2	9
51	The first complete mitochondrial genome of Zoodes fulguratus (Gahan 1906) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.4	0
52	Freezing stress adaptations: Critical elements to activate Nrf2 related antioxidant defense in liver and skeletal muscle of the freeze tolerant wood frogs. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 254, 110573.	1.6	6
53	The first complete mitochondrial genome of Euroleon coreanus (Okamoto, 1926) (Neuroptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	1
54	Markers of tissue remodeling and inflammation in the white and brown adipose tissues of a model hibernator. Cellular Signalling, 2021, 82, 109975.	3.6	3

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55	Epigenetic regulation by DNA methyltransferases during torpor in the thirteen-lined ground squirrel Ictidomys tridecemlineatus. Molecular and Cellular Biochemistry, 2021, 476, 3975-3985.	3.1	6
56	Increasing 28 mitogenomes of Ephemeroptera, Odonata and Plecoptera support the Chiastomyaria hypothesis with three different outgroup combinations. PeerJ, 2021, 9, e11402.	2.0	11
57	Parental dietary sucrose affects metabolic and antioxidant enzyme activities in Drosophila. Entomological Science, 2021, 24, 270-280.	0.6	4
58	Insight into the Phylogenetic Relationships among Three Subfamilies within Heptageniidae (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2021, 12, 656.	2.2	10
59	The effect of long-term cold acclimation on redox state and antioxidant defense in the high-altitude frog, Nanorana pleskei. Journal of Thermal Biology, 2021, 99, 103008.	2.5	8
60	Coordinated expression of Jumonji and AHCY under OCT transcription factor control to regulate gene methylation in wood frogs during anoxia. Gene, 2021, 788, 145671.	2.2	4
61	Functional and post-translational characterization of pyruvate dehydrogenase demonstrates repression of activity in the liver but not skeletal muscle of the Richardson's ground squirrel (Urocitellus richardsonii) during hibernation. Journal of Thermal Biology, 2021, 99, 102996.	2.5	2
62	Factors that regulate expression patterns of insulin-like peptides and their association with physiological and metabolic traits in Drosophila. Insect Biochemistry and Molecular Biology, 2021, 135, 103609.	2.7	12
63	Three Complete Mitochondrial Genomes of Orestes guangxiensis, Peruphasma schultei, and Phryganistria guangxiensis (Insecta: Phasmatodea) and Their Phylogeny. Insects, 2021, 12, 779.	2.2	10
64	Skeletal muscle of torpid Richardson's ground squirrels (Urocitellus richardsonii) exhibits a less active form of citrate synthase associated with lowered lysine succinylation. Cryobiology, 2021, 101, 28-37.	0.7	5
65	MicroRNA-mediated inhibition of AMPK coordinates tissue-specific downregulation of skeletal muscle metabolism in hypoxic naked mole-rats. Journal of Experimental Biology, 2021, 224, .	1.7	8
66	Metabolic responses of plasma to extreme environments in overwintering Tibetan frogs Nanorana parkeri: a metabolome integrated analysis. Frontiers in Zoology, 2021, 18, 41.	2.0	11
67	Novel tRNA gene rearrangements in the mitochondrial genomes of praying mantises (Mantodea:) Tj ETQq1 1 0.784314 rgBT /Overloc Macromolecules, 2021, 185, 403-411.	7.5	14
68	Comparative Mitogenomes of Two Coreamachilis Species (Microcoryphia: Machilidae) along with Phylogenetic Analyses of Microcoryphia. Insects, 2021, 12, 795.	2.2	4
69	The mitochondrial genome of Eurycantha calcarata Lucas, 1869 (Phasmatodea: Lonchodinae) and its phylogeny. Mitochondrial DNA Part B: Resources, 2021, 6, 3109-3111.	0.4	2
70	Stable suppression of skeletal muscle fructose-1,6-bisphosphatase during ground squirrel hibernation: Potential implications of reversible acetylation as a regulatory mechanism. Cryobiology, 2021, 102, 97-103.	0.7	3
71	The complete mitochondrial genome of Choroterpes (Euthralus) yixingensis (Ephemeroptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Gene, 2021, 800, 145833.	2.2	7
72	Hypothermia promotes mitochondrial elongation In cardiac cells via inhibition of Drp1. Cryobiology, 2021, 102, 42-55.	0.7	2

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73	Epigenetic underpinnings of freeze avoidance in the goldenrod gall moth, Epiblema scudderiana. Journal of Insect Physiology, 2021, 134, 104298.	2.0	5
74	The nuclear envelope protein Net39 is essential for muscle nuclear integrity and chromatin organization. Nature Communications, 2021, 12, 690.	12.8	17
75	New Insights to Regulation of Fructose-1,6-bisphosphatase during Anoxia in Red-Eared Slider, Trachemys scripta elegans. Biomolecules, 2021, 11, 1548.	4.0	8
76	Oxidative stress concept updated: Definitions, classifications, and regulatory pathways implicated. EXCLI Journal, 2021, 20, 956-967.	0.7	10
77	Chamomile as a potential remedy for obesity and metabolic syndrome. EXCLI Journal, 2021, 20, 1261-1286.	0.7	2
78	MicroRNA Cues from Nature: A Roadmap to Decipher and Combat Challenges in Human Health and Disease?. Cells, 2021, 10, 3374.	4.1	24
79	Seasonal cellular stress phenomena and phenotypic plasticity in land snail Helix lucorum populations from different altitudes. Journal of Experimental Biology, 2021, 224, .	1.7	3
80	Acute Exposure to the Penconazole-Containing Fungicide Topas Induces Metabolic Stress in Goldfish. Chemical Research in Toxicology, 2021, , .	3.3	3
81	The Mitochondrial Genomes of 18 New Pleurosticti (Coleoptera: Scarabaeidae) Exhibit a Novel trnQ-NCR-trnI-trnM Gene Rearrangement and Clarify Phylogenetic Relationships of Subfamilies within Scarabaeidae. Insects, 2021, 12, 1025.	2.2	17
82	Antioxidant and non-specific immune defenses in partially freeze-tolerant Xizang plateau frogs, Nanorana parkeri. Journal of Thermal Biology, 2021, 102, 103132.	2.5	5
83	Activation of the Hippo Pathway in Rana sylvatica: Yapping Stops in Response to Anoxia. Life, 2021, 11, 1422.	2.4	3
84	Muscles in Winter: The Epigenetics of Metabolic Arrest. Epigenomes, 2021, 5, 28.	1.8	5
85	Natural sweetener : Functionalities, health benefits and potential risks. EXCLI Journal, 2021, 20, 1412-1430.	0.7	24
86	DNA methylation and regulation of DNA methyltransferases in a freeze-tolerant vertebrate. Biochemistry and Cell Biology, 2020, 98, 145-153.	2.0	12
87	Mitochondria, metabolic control and microRNA: Advances in understanding amphibian freeze tolerance. BioFactors, 2020, 46, 220-228.	5.4	18
88	Carb-Loading: Freeze-Induced Activation of the Glucose-Responsive ChREBP Transcriptional Network in Wood Frogs. Physiological and Biochemical Zoology, 2020, 93, 49-61.	1.5	7
89	MicroRNAs facilitate skeletal muscle maintenance and metabolic suppression in hibernating brown bears. Journal of Cellular Physiology, 2020, 235, 3984-3993.	4.1	19
90	Nanodelivery of phytobioactive compounds for treating aging-associated disorders. GeroScience, 2020, 42, 117-139.	4.6	22

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91	The hypoxia tolerance of eight related African moleâ€rat species rivals that of naked moleâ€rats, despite divergent ventilatory and metabolic strategies in severe hypoxia. Acta Physiologica, 2020, 228, e13436.	3.8	41
92	Adaptations to the mudflat: Insights from physiological and transcriptional responses to thermal stress in a burrowing bivalve Sinonovacula constricta. Science of the Total Environment, 2020, 710, 136280.	8.0	36
93	Profiling torpor-responsive microRNAs in muscles of the hibernating primate Microcebus murinus. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194473.	1.9	14
94	The regulation mechanism of lncRNAs and mRNAs in sea cucumbers under global climate changes: Defense against thermal and hypoxic stresses. Science of the Total Environment, 2020, 709, 136045.	8.0	21
95	Parental dietary protein-to-carbohydrate ratio affects offspring lifespan and metabolism in drosophila. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 241, 110622.	1.8	15
96	Advances and applications of environmental stress adaptation research. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 240, 110623.	1.8	12
97	Role of Akt signaling pathway regulation in the speckled mousebird (Colius striatus) during torpor displays tissue specific responses. Cellular Signalling, 2020, 75, 109763.	3.6	3
98	Regulation of NF-Î²B, FHC and SOD2 in response to oxidative stress in the freeze tolerant wood frog, Rana sylvatica. Cryobiology, 2020, 97, 28-36.	0.7	8
99	Phosphoproteomic Analysis of Xenopus laevis Reveals Expression and Phosphorylation of Hypoxia-Inducible PFKFB3 during Dehydration. IScience, 2020, 23, 101598.	4.1	2
100	RAGE against the stress: Mitochondrial suppression in hypometabolic hearts. Gene, 2020, 761, 145039.	2.2	2
101	Regulation of antioxidant systems in response to anoxia and reoxygenation in Rana sylvatica. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 243-244, 110436.	1.6	10
102	Editorial: Coping With Environmental Fluctuations: Ecological and Evolutionary Perspectives. Frontiers in Physiology, 2020, 11, 605186.	2.8	1
103	Marine periwinkle stress-responsive microRNAs: A potential factor to reflect anoxia and freezing survival adaptations. Genomics, 2020, 112, 4385-4398.	2.9	4
104	Dynamic regulation of histone H3 lysine (K) acetylation and deacetylation during prolonged oxygen deprivation in a champion anaerobe. Molecular and Cellular Biochemistry, 2020, 474, 229-241.	3.1	5
105	Development of fly tolerance to consuming a high-protein diet requires physiological, metabolic and transcriptional changes. Biogerontology, 2020, 21, 619-636.	3.9	5
106	The regulation of Akt and FoxO transcription factors during dehydration in the African clawed frog (Xenopus laevis). Cell Stress and Chaperones, 2020, 25, 887-897.	2.9	5
107	Proteomics of intracellular freezing survival. PLoS ONE, 2020, 15, e0233048.	2.5	1
108	Dehydration stress alters the mitogen-activated-protein kinase signaling and chaperone stress response in Xenopus laevis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 246-247, 110461.	1.6	4

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109	The Ratio of Linoleic and Linolenic Acid in the Pre-hibernation Diet Influences NFÎºB Signaling in Garden Dormice During Torpor. Frontiers in Molecular Biosciences, 2020, 7, 97.	3.5	4
110	Mutations in genes cnc or dKeap1 modulate stress resistance and metabolic processes in Drosophila melanogaster. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 248, 110746.	1.8	3
111	MondoA:MLX complex regulates glucose-dependent gene expression and links to circadian rhythm in liver and brain of the freeze-tolerant wood frog, Rana sylvatica. Molecular and Cellular Biochemistry, 2020, 473, 203-216.	3.1	7
112	Characterizing the regulation of pyruvate kinase in response to hibernation in ground squirrel liver (Urocitellus richardsonii). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 248-249, 110466.	1.6	3
113	Suspended in time: Molecular responses to hibernation also promote longevity. Experimental Gerontology, 2020, 134, 110889.	2.8	19
114	TOR signaling inhibition in intestinal stem and progenitor cells affects physiology and metabolism in Drosophila. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 243-244, 110424.	1.6	5
115	The brains of six African mole-rat species show divergent responses to hypoxia. Journal of Experimental Biology, 2020, 223, .	1.7	23
116	Differential protein phosphorylation is responsible for hypoxia-induced regulation of the Akt/mTOR pathway in naked mole rats. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 242, 110653.	1.8	12
117	Mating status affects Drosophila lifespan, metabolism and antioxidant system. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 246, 110716.	1.8	18
118	The complete mitochondrial genome of Choroterpides apiculata (Ephemeroptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (1159-1160.	0.4	8
119	The mitochondrial genome of Caenis sp. (Ephemeroptera: Caenidae) from Fujian and the phylogeny of Caenidae within Ephemeroptera. Mitochondrial DNA Part B: Resources, 2020, 5, 192-193.	0.4	8
120	Metabolic characteristics of overwintering by the high-altitude dwelling Xizang plateau frog, Nanorana parkeri. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 433-444.	1.5	13
121	Cold-inducible RNA-binding protein Cirp, but not Rbm3, may regulate transcript processing and protection in tissues of the hibernating ground squirrel. Cell Stress and Chaperones, 2020, 25, 857-868.	2.9	8
122	MicroRNA expression in the heart of Xenopus laevis facilitates metabolic adaptation to dehydration. Genomics, 2020, 112, 3525-3536.	2.9	11
123	Insulin Signaling in Intestinal Stem and Progenitor Cells as an Important Determinant of Physiological and Metabolic Traits in Drosophila. Cells, 2020, 9, 803.	4.1	19
124	The Torpid State: Recent Advances in Metabolic Adaptations and Protective Mechanismsâ€. Frontiers in Physiology, 2020, 11, 623665.	2.8	41
125	Regulation of the Î±-ketoglutarate dehydrogenasecomplex during hibernation in a small mammal, the Richardson's ground squirrel (Urocitellus richardsonii). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140448.	2.3	3
126	The OxymiR response to oxygen limitation: a comparative microRNA perspective. Journal of Experimental Biology, 2020, 223, .	1.7	12

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127	Anise Hyssop Agastache foeniculum Increases Lifespan, Stress Resistance, and Metabolism by Affecting Free Radical Processes in Drosophila. Frontiers in Physiology, 2020, 11, 596729.	2.8	9
128	Early-life intestinal microbiome in Trachemys scripta elegans analyzed using 16S rRNA sequencing. PeerJ, 2020, 8, e8501.	2.0	15
129	Characterization of the mitochondrial genomes of two toads, Anaxyrus americanus (Anura:) Tj ETQq1 1 0.784314 rgBT /Overlock analyses. PeerJ, 2020, 8, e8901.	2.0	4
130	Six complete mitochondrial genomes of mayflies from three genera of Ephemerellidae (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 relationships. PeerJ, 2020, 8, e9740.	2.0	20
131	Multi-tissue profile of NFÎºB pathway regulation during mammalian hibernation. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 246-247, 110460.	1.6	2
132	Regulation of Peroxisome Proliferator-Activated Receptor Pathway During Torpor in the Garden Dormouse, Eliomys quercinus. Frontiers in Physiology, 2020, 11, 615025.	2.8	4
133	Regrowth and neuronal protection are key for mammalian hibernation: roles for metabolic suppression. Neural Regeneration Research, 2020, 15, 2027.	3.0	2
134	Purification and Regulation of Pyruvate Kinase from the Foot Muscle of the Anoxia and Freeze Tolerant Marine Snail, Littorina littorea. Protein Journal, 2020, 39, 531-541.	1.6	5
135	MiR-200-3p Is Potentially Involved in Cell Cycle Arrest by Regulating Cyclin A during Aestivation in Apostichopus japonicus. Cells, 2019, 8, 843.	4.1	11
136	Adenosine Monophosphate-Activated Protein Kinase Signaling Regulates Lipid Metabolism in Response to Salinity Stress in the Red-Eared Slider Turtle Trachemys scripta elegans. Frontiers in Physiology, 2019, 10, 962.	2.8	14
137	Characterization of ice recrystallization inhibition activity in the novel freeze-responsive protein Fr10 from freeze-tolerant wood frogs, Rana sylvatica. Journal of Thermal Biology, 2019, 84, 426-430.	2.5	5
138	Response of the Chinese Soft-Shelled Turtle to Acute Heat Stress: Insights From the Systematic Antioxidant Defense. Frontiers in Physiology, 2019, 10, 710.	2.8	15
139	In defense of proteins: Chaperones respond to freezing, anoxia, or dehydration stress in tissues of freeze tolerant wood frogs. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 392-402.	1.9	18
140	Metabolic reorganization in winter: Regulation of pyruvate dehydrogenase (PDH) during long-term freezing and anoxia. Cryobiology, 2019, 86, 10-18.	0.7	12
141	Glucoseâ€6â€phosphate dehydrogenase is posttranslationally regulated in the larvae of the freezeâ€tolerant gall fly, Eurosta solidaginis, in response to freezing. Archives of Insect Biochemistry and Physiology, 2019, 102, e21618.	1.5	4
142	Multi-omics investigations within the Phylum Mollusca, Class Gastropoda: from ecological application to breakthrough phylogenomic studies. Briefings in Functional Genomics, 2019, 18, 377-394.	2.7	5
143	Naked mole rats activate neuroprotective proteins during hypoxia. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 571-576.	1.9	10
144	Metabolic response of longitudinal muscles to acute hypoxia in sea cucumber Apostichopus japonicus (Selenka): A metabolome integrated analysis. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 29, 235-244.	1.0	28

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145	Glucose and urea metabolic enzymes are differentially phosphorylated during freezing, anoxia, and dehydration exposures in a freeze tolerant frog. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 30, 1-13.	1.0	13
146	Neuropeptide precursors and neuropeptides in the sea cucumber Apostichopus japonicus: a genomic, transcriptomic and proteomic analysis. Scientific Reports, 2019, 9, 8829.	3.3	29
147	The characteristics and phylogenetic relationship of two complete mitochondrial genomes of Matrona basilaris (Odonata: Zygoptera: Calopterygidae). Mitochondrial DNA Part B: Resources, 2019, 4, 1745-1747.	0.4	4
148	Metabolic reprogramming involving glycolysis in the hibernating brown bear skeletal muscle. Frontiers in Zoology, 2019, 16, 12.	2.0	34
149	The complete mitochondrial genome of Xystrocera globosa (Coleoptera: Cerambycidae) and its phylogeny. Mitochondrial DNA Part B: Resources, 2019, 4, 1647-1649.	0.4	5
150	Positive or negative? The shell alters the relationship among behavioral defense strategy, energy metabolic levels and antioxidant capacity in freshwater turtles. Frontiers in Zoology, 2019, 16, 3.	2.0	7
151	Regulation of p53 in the red-eared slider (Trachemys scripta elegans) in response to salinity stress. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 221, 49-58.	2.6	3
152	Twenty years of the â€˜Preparation for Oxidative Stressâ€™ (POS) theory: Ecophysiological advantages and molecular strategies. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 234, 36-49.	1.8	88
153	Twist2 amplification in rhabdomyosarcoma represses myogenesis and promotes oncogenesis by redirecting MyoD DNA binding. Genes and Development, 2019, 33, 626-640.	5.9	27
154	The complete mitochondrial genome of Dryophytes versicolor: Phylogenetic relationship among Hylidae and mitochondrial protein-coding gene expression in response to freezing and anoxia. International Journal of Biological Macromolecules, 2019, 132, 461-469.	7.5	16
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