

Yichi Zhang

List of Publications by Year in Descending Order

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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.

471
papers

10,836
citations

48
h-index

83
g-index

503
ext. papers

12,926
ext. citations

3.7
avg, IF

7.07
L-index

#	Paper	IF	Citations
471	Pro- and anti-apoptotic microRNAs are differentially regulated during estivation in <i>Xenopus laevis</i> .. <i>Gene</i> , 2022 , 819, 146236	3.8	0
470	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	
469	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
468	Role of MicroRNAs in Extreme Animal Survival Strategies. <i>Methods in Molecular Biology</i> , 2022 , 2257, 311-347	3.47	1
467	44 Current Challenges in miRNomics. <i>Methods in Molecular Biology</i> , 2022 , 2257, 423-438	1.4	4
466	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
465	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	
464	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
463	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
462	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
461	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
460	Activation of the Hippo Pathway in : Yapping Stops in Response to Anoxia.. <i>Life</i> , 2021 , 11,	3	1
459	Oxidative stress concept updated: Definitions, classifications, and regulatory pathways implicated. <i>EXCLI Journal</i> , 2021 , 20, 956-967	2.4	5
458	Chamomile as a potential remedy for obesity and metabolic syndrome. <i>EXCLI Journal</i> , 2021 , 20, 1261-1286	2.4	0
457	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
456	Functional genomics of abiotic environmental adaptation in lacertid lizards and other vertebrates. <i>Journal of Animal Ecology</i> , 2021 ,	4.7	1
455	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

454	MicroRNA expression patterns in the brown fat of hibernating 13-lined ground squirrels. <i>Genomics</i> , 2021 , 113, 769-781	4.3	1
453	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
452	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
451	Every-other-day fasting reduces glycolytic capability in the skeletal muscle of young mice. <i>Biologia (Poland)</i> , 2021 , 76, 1627-1634	1.5	
450	Mitochondria and the Frozen Frog. <i>Antioxidants</i> , 2021 , 10,	7.1	6
449	mTOR Signaling in Metabolic Stress Adaptation. <i>Biomolecules</i> , 2021 , 11,	5.9	3
448	The Activation of Prosurvival Pathways in during Torpor. <i>Physiological and Biochemical Zoology</i> , 2021 , 94, 180-187	2	0
447	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
446	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	
445	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
444	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
443	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
442	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
441	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
440	Parental dietary sucrose affects metabolic and antioxidant enzyme activities in <i>Drosophila</i> . <i>Entomological Science</i> , 2021 , 24, 270-280	1.1	3
439	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
438	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
437	Ultrastructural variation and key ER chaperones response induced by heat stress in intestinal cells of sea cucumber <i>Apostichopus japonicus</i> . <i>Journal of Oceanology and Limnology</i> , 2021 , 39, 317-328	1.5	0

436	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
435	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
434	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
433	5PAadenosine 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
432	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
431	<i>Drosophila</i> insulin-like peptides: from expression to functions & review. <i>Entomologia Experimentalis Et Applicata</i> , 2021 , 169, 195-208	2.1	8
430	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
429	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
428	Aspirin as a Potential Geroprotector: Experimental Data and Clinical Evidence. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1286, 145-161	3.6	3
427	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
426	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	
425	The Role of Retinoblastoma Protein in Cell Cycle Regulation: An Updated Review. <i>Current Molecular Medicine</i> , 2021 , 21, 620-629	2.5	4
424	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
423	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
422	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
421	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
420	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 (<i>Urocyon richardsonii</i>) during hibernation. <i>Journal of Thermal Biology</i> , 2021 , 99, 102996	2.9	
419	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

418	Three Complete Mitochondrial Genomes of , , and (Insecta: Phasmatodea) and Their Phylogeny. <i>Insects</i> , 2021 , 12,	2.8	2
417	Skeletal muscle of torpid Richardson's ground squirrels (<i>Urocitellus 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
416	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
415	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
414	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
413	The naked truth: a comprehensive clarification and classification of current myths in naked mole-rat biology. <i>Biological Reviews</i> , 2021 ,	13.5	11
412	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
411	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
410	The complete mitochondrial genome of <i>Choroterpes (Euthralus) yixingensis</i> (Ephemeroptera: Leptophlebiidae) and its mitochondrial protein-coding gene expression under imidacloprid stress. <i>Gene</i> , 2021 , 800, 145833	3.8	2
409	Hypothermia promotes mitochondrial elongation in cardiac cells via inhibition of Drp1. <i>Cryobiology</i> , 2021 , 102, 42-55	2.7	0
408	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
407	The nuclear envelope protein Net39 is essential for muscle nuclear integrity and chromatin organization. <i>Nature Communications</i> , 2021 , 12, 690	17.4	4
406	Natural sweetener : Functionalities, health benefits and potential risks. <i>EXCLI Journal</i> , 2021 , 20, 1412-1430	14.0	1
405	Development of fly tolerance to consuming a high-protein diet requires physiological, metabolic and transcriptional changes. <i>Biogerontology</i> , 2020 , 21, 619-636	4.5	2
404	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
403	Proteomics of intracellular freezing survival. <i>PLoS ONE</i> , 2020 , 15, e0233048	3.7	0
402	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
401	The Ratio of Linoleic and Linolenic Acid in the Pre-hibernation Diet Influences NFB Signaling in Garden Dormice During Torpor. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 97	5.6	3

400	Mutations in genes <i>cnc</i> or <i>dKeap1</i> modulate stress resistance and metabolic processes in <i>Drosophila melanogaster</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 248, 110746	2.6	0
399	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
398	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
397	Suspended in time: Molecular responses to hibernation also promote longevity. <i>Experimental Gerontology</i> , 2020 , 134, 110889	4.5	10
396	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
395	The brains of six African mole-rat species show divergent responses to hypoxia. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	12
394	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
393	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
392	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
391	The OxymiR response to oxygen limitation: a comparative microRNA perspective. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	9
390	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
389	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
388	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
387	Early-life intestinal microbiome in analyzed using 16S rRNA sequencing. <i>PeerJ</i> , 2020 , 8, e8501	3.1	3
386	Characterization of the mitochondrial genomes of two toads, (Anura: Bufonidae) and (Anura: Bufonidae), with phylogenetic and selection pressure analyses. <i>PeerJ</i> , 2020 , 8, e8901	3.1	1
385	Six complete mitochondrial genomes of mayflies from three genera of Ephemerellidae (Insecta: Ephemeroptera) with inversion and translocation of rearrangement and their phylogenetic relationships. <i>PeerJ</i> , 2020 , 8, e9740	3.1	10
384	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
383	Regulation of Peroxisome Proliferator-Activated Receptor Pathway During Torpor in the Garden Dormouse,. <i>Frontiers in Physiology</i> , 2020 , 11, 615025	4.6	0

382	Regulation of the α -ketoglutarate dehydrogenase complex during hibernation in a small mammal, the Richardson's ground squirrel (<i>Urocitellus richardsonii</i>). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140448	4	1
381	Nanodelivery of phytobioactive compounds for treating aging-associated disorders. <i>GeroScience</i> , 2020 , 42, 117-139	8.9	14
380	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
379	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
378	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
377	The regulation mechanism of lncRNAs and mRNAs in sea cucumbers under global climate changes: Defense against thermal and hypoxic stresses. <i>Science of the Total Environment</i> , 2020 , 709, 136045	10.2	7
376	Parental dietary protein-to-carbohydrate ratio affects offspring lifespan and metabolism in drosophila. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 241, 110622	2.6	10
375	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
374	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
373	Regulation of NF- κ 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
372	Phosphoproteomic Analysis of Reveals Expression and Phosphorylation of Hypoxia-Inducible PFKFB3 during Dehydration. <i>IScience</i> , 2020 , 23, 101598	6.1	1
371	RAGE against the stress: Mitochondrial suppression in hypometabolic hearts. <i>Gene</i> , 2020 , 761, 145039	3.8	1
370	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
369	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
368	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
367	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
366	Mitochondria, metabolic control and microRNA: Advances in understanding amphibian freeze tolerance. <i>BioFactors</i> , 2020 , 46, 220-228	6.1	11
365	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

364	MicroRNAs facilitate skeletal muscle maintenance and metabolic suppression in hibernating brown bears. <i>Journal of Cellular Physiology</i> , 2020 , 235, 3984-3993	7	9
363	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
362	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
361	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
360	The Torpid State: Recent Advances in Metabolic Adaptations and Protective Mechanisms. <i>Frontiers in Physiology</i> , 2020 , 11, 623665	4.6	13
359	Metabolic response of longitudinal muscles to acute hypoxia in sea cucumber <i>Apostichopus japonicus</i> (Selenka): A metabolome integrated analysis. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019 , 29, 235-244	2	8
358	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
357	Neuropeptide precursors and neuropeptides in the sea cucumber <i>Apostichopus japonicus</i> : a genomic, transcriptomic and proteomic analysis. <i>Scientific Reports</i> , 2019 , 9, 8829	4.9	12
356	Metabolic reprogramming involving glycolysis in the hibernating brown bear skeletal muscle. <i>Frontiers in Zoology</i> , 2019 , 16, 12	2.8	20
355	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
354	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
353	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
352	Twist2 amplification in rhabdomyosarcoma represses myogenesis and promotes oncogenesis by redirecting MyoD DNA binding. <i>Genes and Development</i> , 2019 , 33, 626-640	12.6	13
351	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
350	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
349	Genes of the undead: hibernation and death display different gene profiles. <i>FEBS Letters</i> , 2019 , 593, 527-532	3.8	3
348	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
347	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

346	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
345	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
344	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
343	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
342	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
341	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
340	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
339	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
338	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
337	Estivation-responsive microRNAs in a hypometabolic terrestrial snail. <i>PeerJ</i> , 2019 , 7, e6515	3.1	8
336	Comparative analysis of the liver transcriptome in the red-eared slider under chronic salinity stress. <i>PeerJ</i> , 2019 , 7, e6538	3.1	3
335	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
334	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
333	The complete mitochondrial genomes of five longicorn beetles (Coleoptera: Cerambycidae) and phylogenetic relationships within Cerambycidae. <i>PeerJ</i> , 2019 , 7, e7633	3.1	24
332	Navigating oxygen deprivation: liver transcriptomic responses of the red eared slider turtle to environmental anoxia. <i>PeerJ</i> , 2019 , 7, e8144	3.1	9
331	Angiogenic signaling in the lungs of a metabolically suppressed hibernating mammal (). <i>PeerJ</i> , 2019 , 7, e8116	3.1	1
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