

# Yichi Zhang

## List of Publications by Citations

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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	Metabolic rate depression and biochemical adaptation in anaerobiosis, hibernation and estivation. <i>Quarterly Review of Biology</i> , <b>1990</b> , 65, 145-74	5.4	495
470	Mitogen-activated protein kinases: new signaling pathways functioning in cellular responses to environmental stress. <i>Journal of Experimental Biology</i> , <b>2003</b> , 206, 1107-15	3	447
469	Metabolic rate depression in animals: transcriptional and translational controls. <i>Biological Reviews</i> , <b>2004</b> , 79, 207-33	13.5	440
468	The promise of organ and tissue preservation to transform medicine. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 530-542	44.5	246
467	Tribute to P. L. Lutz: putting life on pause—molecular regulation of hypometabolism. <i>Journal of Experimental Biology</i> , <b>2007</b> , 210, 1700-14	3	200
466	NATURAL FREEZING SURVIVAL IN ANIMALS. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>1996</b> , 27, 365-386		171
465	Life in the slow lane: molecular mechanisms of estivation. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2002</b> , 133, 733-54	2.6	163
464	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> , <b>1984</b> , 155, 29-36	2.2	153
463	Out cold: biochemical regulation of mammalian hibernation - a mini-review. <i>Gerontology</i> , <b>2010</b> , 56, 220-305	3.5	143
462	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. <i>Nature Communications</i> , <b>2017</b> , 8, 15451	17.4	138
461	Intermediary metabolism during low temperature acclimation in the overwintering gall fly larva, <i>Eurosta solidaginis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>1981</b> , 144, 183-190	2.2	123
460	Pesticide toxicity: a mechanistic approach. <i>EXCLI Journal</i> , <b>2018</b> , 17, 1101-1136	2.4	121
459	Regulation of ground squirrel Na <sup>+</sup> K <sup>+</sup> -ATPase activity by reversible phosphorylation during hibernation. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 254, 424-9	3.4	117
458	Molecular biology of freezing tolerance. <i>Comprehensive Physiology</i> , <b>2013</b> , 3, 1283-308	7.7	110
457	The sea cucumber genome provides insights into morphological evolution and visceral regeneration. <i>PLoS Biology</i> , <b>2017</b> , 15, e2003790	9.7	105
456	Regulation of hypometabolism: insights into epigenetic controls. <i>Journal of Experimental Biology</i> , <b>2015</b> , 218, 150-9	3	102
455	Metabolic adaptations supporting anoxia tolerance in reptiles: recent advances. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>1996</b> , 113, 23-35	2.3	98

454	Molecular Physiology of Freeze Tolerance in Vertebrates. <i>Physiological Reviews</i> , <b>2017</b> , 97, 623-665	47.9	97
453	The emerging roles of microRNAs in the molecular responses of metabolic rate depression. <i>Journal of Molecular Cell Biology</i> , <b>2011</b> , 3, 167-75	6.3	96
452	Freeze tolerant frogs: cryoprotectants and tissue metabolism during freeze-thaw cycles. <i>Canadian Journal of Zoology</i> , <b>1986</b> , 64, 49-56	1.5	95
451	Anoxia tolerance in turtles: metabolic regulation and gene expression. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2007</b> , 147, 263-76	2.6	94
450	Reptile freeze tolerance: metabolism and gene expression. <i>Cryobiology</i> , <b>2006</b> , 52, 1-16	2.7	88
449	Strategies for exploration of freeze responsive gene expression: advances in vertebrate freeze tolerance. <i>Cryobiology</i> , <b>2004</b> , 48, 134-45	2.7	87
448	Aestivation: signaling and hypometabolism. <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 1425-33	3	86
447	Evidence for a reduced transcriptional state during hibernation in ground squirrels. <i>Cryobiology</i> , <b>2006</b> , 53, 310-8	2.7	83
446	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> , <b>1985</b> , 156, 191-195	2.2	79
445	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> , <b>2000</b> , 483, 135-8	3.8	70
444	Biochemical strategies of overwintering in the gall gly larva, <i>Eurosta solidaginis</i> : Effect of low temperature acclimation on the activities of enzymes of intermediary metabolism. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>1981</b> , 144, 191-199	2.2	69
443	Expression of Nrf2 and its downstream gene targets in hibernating 13-lined ground squirrels, <i>Spermophilus tridecemlineatus</i> . <i>Molecular and Cellular Biochemistry</i> , <b>2008</b> , 312, 121-9	4.2	68
442	Gene up-regulation in heart during mammalian hibernation. <i>Cryobiology</i> , <b>2000</b> , 40, 332-42	2.7	67
441	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> , <b>1984</b> , 143, 257-65		66
440	Regulation of the mTOR signaling network in hibernating thirteen-lined ground squirrels. <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 1720-7	3	64
439	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> , <b>1984</b> , 143, 267-72		63
438	MicroRNA regulation in extreme environments: differential expression of microRNAs in the intertidal snail <i>Littorina littorea</i> during extended periods of freezing and anoxia. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2012</b> , 10, 302-9	6.5	61
437	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> , <b>2013</b> , 216, 292-302	3	60

436	Metformin as a geroprotector: experimental and clinical evidence. <i>Biogerontology</i> , <b>2019</b> , 20, 33-48	4.5	60
435	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> , <b>1998</b> , 189, 79-89	4.2	56
434	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> , <b>1992</b> , 162, 23	2.2	56
433	Evidence for cell cycle suppression and microRNA regulation of cyclin D1 during anoxia exposure in turtles. <i>Cell Cycle</i> , <b>2012</b> , 11, 1705-13	4.7	55
432	Differential expression of mitochondria-encoded genes in a hibernating mammal. <i>Journal of Experimental Biology</i> , <b>2002</b> , 205, 1625-1631	3	53
431	Metabolic adjustments during daily torpor in the Djungarian hamster. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1999</b> , 276, E896-906	6	51
430	Twenty years of the Preparation for Oxidative Stress (POS) theory: Ecophysiological advantages and molecular strategies. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2019</b> , 234, 36-49	2.6	50
429	Antioxidant defense in hibernation: cloning and expression of peroxiredoxins from hibernating ground squirrels, <i>Spermophilus tridecemlineatus</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 461, 59-65	4.1	50
428	Anti-apoptotic signaling as a cytoprotective mechanism in mammalian hibernation. <i>PeerJ</i> , <b>2013</b> , 1, e29	3.1	50
427	RBiplot: an easy-to-use R pipeline for automated statistical analysis and data visualization in molecular biology and biochemistry. <i>PeerJ</i> , <b>2016</b> , 4, e2436	3.1	49
426	Metabolic rate depression: the biochemistry of mammalian hibernation. <i>Advances in Clinical Chemistry</i> , <b>2010</b> , 52, 77-108	5.8	49
425	The role of the TOR pathway in mediating the link between nutrition and longevity. <i>Mechanisms of Ageing and Development</i> , <b>2017</b> , 164, 127-138	5.6	48
424	Molecular Adaptations for Sensing and Securing Prey and Insight into Amniote Genome Diversity from the Garter Snake Genome. <i>Genome Biology and Evolution</i> , <b>2018</b> , 10, 2110-2129	3.9	48
423	Transcriptional regulation of antioxidant enzymes by FoxO1 under dehydration stress. <i>Gene</i> , <b>2011</b> , 485, 114-9	3.8	48
422	Activation of mitogen-activated protein kinases during natural freezing and thawing in the wood frog. <i>Molecular and Cellular Biochemistry</i> , <b>2000</b> , 209, 29-37	4.2	48
421	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> , <b>2015</b> , 218, 1281-9	3	47
420	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> , <b>1996</b> , 241, 83-92		46
419	Glycolytic enzyme binding and metabolic control in anaerobiosis. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>1986</b> , 156, 635-640	2.2	46

418	Expression of myocyte enhancer factor-2 and downstream genes in ground squirrel skeletal muscle during hibernation. <i>Molecular and Cellular Biochemistry</i> , <b>2010</b> , 344, 151-62	4.2	45
417	Ice nucleating activity in the blood of the freeze-tolerant frog, <i>Rana sylvatica</i> . <i>Cryobiology</i> , <b>1990</b> , 27, 328-35		45
416	Molecular insights into land snail neuropeptides through transcriptome and comparative gene analysis. <i>BMC Genomics</i> , <b>2015</b> , 16, 308	4.5	44
415	Pattern of cellular quiescence over the hibernation cycle in liver of thirteen-lined ground squirrels. <i>Cell Cycle</i> , <b>2012</b> , 11, 1714-26	4.7	44
414	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> , <b>2010</b> , 180, 403-14	2.2	44
413	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> , <b>2005</b> , 37, 679-91	5.6	44
412	Stress-induced activation of the AMP-activated protein kinase in the freeze-tolerant frog <i>Rana sylvatica</i> . <i>Cryobiology</i> , <b>2006</b> , 53, 297-309	2.7	44
411	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> , <b>2005</b> , 1729, 32-40		44
410	The dynamic nature of DNA methylation: a role in response to social and seasonal variation. <i>Integrative and Comparative Biology</i> , <b>2014</b> , 54, 68-76	2.8	43
409	Activation of antioxidant defense during dehydration stress in the African clawed frog. <i>Gene</i> , <b>2009</b> , 442, 99-107	3.8	43
408	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> , <b>2015</b> , 218, 1787-95	3	42
407	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> , <b>1997</b> , 167, 305-12	2.2	42
406	Up-regulation of the endoplasmic reticulum molecular chaperone GRP78 during hibernation in thirteen-lined ground squirrels. <i>Molecular and Cellular Biochemistry</i> , <b>2006</b> , 292, 89-98	4.2	42
405	Mitogen-activated protein kinases and anoxia tolerance in turtles. <i>The Journal of Experimental Zoology</i> , <b>2000</b> , 287, 477-84		42
404	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> , <b>1987</b> , 157, 373-380	2.2	42
403	Functional impact of microRNA regulation in models of extreme stress adaptation. <i>Journal of Molecular Cell Biology</i> , <b>2018</b> , 10, 93-101	6.3	41
402	Dehydration mediated microRNA response in the African clawed frog <i>Xenopus laevis</i> . <i>Gene</i> , <b>2013</b> , 529, 269-75	3.8	40
401	Upregulation of a novel gene by freezing exposure in the freeze-tolerant wood frog ( <i>Rana sylvatica</i> ). <i>Gene</i> , <b>1997</b> , 198, 305-12	3.8	40

400	Glycolytic Enzyme Binding and Metabolic Control in Estivation and Anoxia in the Land Snail <i>Otala Lactea</i> . <i>Journal of Experimental Biology</i> , <b>1990</b> , 151, 193-204	3	39
399	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> , <b>2014</b> , 13, 39-44	1.9	38
398	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> , <b>2013</b> , 513, 147-55	3.8	38
397	Molecular mechanisms of turtle anoxia tolerance: A role for NF-kappaB. <i>Gene</i> , <b>2010</b> , 450, 63-9	3.8	38
396	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> , <b>1985</b> , 155, 291-296	2.2	38
395	Epigenetics in anoxia tolerance: a role for histone deacetylases. <i>Molecular and Cellular Biochemistry</i> , <b>2010</b> , 342, 151-61	4.2	37
394	Life in the cold: links between mammalian hibernation and longevity. <i>Biomolecular Concepts</i> , <b>2016</b> , 7, 41-52	3.7	36
393	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> , <b>2014</b> , 462, 32-4	3.1	36
392	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> , <b>2014</b> , 217, 2555-68	3	36
391	Identification and expression of microRNA in the brain of hibernating bats, <i>Myotis lucifugus</i> . <i>Gene</i> , <b>2014</b> , 544, 67-74	3.8	36
390	Urea and salt effects on enzymes from estivating and non-estivating amphibians. <i>Molecular and Cellular Biochemistry</i> , <b>1994</b> , 131, 9-17	4.2	36
389	The complete mitochondrial genomes of four cockroaches (Insecta: Blattodea) and phylogenetic analyses within cockroaches. <i>Gene</i> , <b>2016</b> , 586, 115-22	3.8	36
388	Mammalian hibernation. Transcriptional and translational controls. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 543, 21-38	3.6	36
387	Metabolic regulation and gene expression during aestivation. <i>Progress in Molecular and Subcellular Biology</i> , <b>2010</b> , 49, 25-45	3	35
386	The hibernating South American marsupial, <i>Dromiciops gliroides</i> , displays torpor-sensitive microRNA expression patterns. <i>Scientific Reports</i> , <b>2016</b> , 6, 24627	4.9	34
385	Expression profiling and structural characterization of microRNAs in adipose tissues of hibernating ground squirrels. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2014</b> , 12, 284-91	6.5	34
384	Real-time protein unfolding: a method for determining the kinetics of native protein denaturation using a quantitative real-time thermocycler. <i>BioTechniques</i> , <b>2012</b> , 53, 231-8	2.5	34
383	Activation of extracellular signal-regulated kinases during dehydration in the African clawed frog, <i>Xenopus laevis</i> . <i>Journal of Experimental Biology</i> , <b>2009</b> , 212, 2595-603	3	34

382	Insulin-Like Peptides Regulate Feeding Preference and Metabolism in. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1083	4.6	34
381	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> , <b>2013</b> , 65, 916-924	7.8	33
380	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> , <b>1985</b> , 155, 333-337	2.2	33
379	Akt signaling and freezing survival in the wood frog, <i>Rana sylvatica</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 4828-37	4	32
378	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> , <b>1991</b> , 257, 1-9		32
377	Characterization of the SIRT family of NAD <sup>+</sup> -dependent protein deacetylases in the context of a mammalian model of hibernation, the thirteen-lined ground squirrel. <i>Cryobiology</i> , <b>2015</b> , 71, 334-43	2.7	31
376	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> , <b>2014</b> , 155, 181-9	5.1	31
375	Cell cycle regulation in the freeze tolerant wood frog, <i>Rana sylvatica</i> . <i>Cell Cycle</i> , <b>2012</b> , 11, 1727-42	4.7	31
374	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> , <b>2015</b> , 1850, 97-106	4	29
373	Global DNA modifications suppress transcription in brown adipose tissue during hibernation. <i>Cryobiology</i> , <b>2014</b> , 69, 333-8	2.7	29
372	Identification and characterization of a novel freezing inducible gene, <i>li16</i> , in the wood frog <i>Rana sylvatica</i> . <i>FASEB Journal</i> , <b>2002</b> , 16, 902-4	0.9	29
371	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> , <b>1990</b> , 160, 309-316	2.2	29
370	Turtle anoxia tolerance: Biochemistry and gene regulation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2015</b> , 1850, 1188-96	4	28
369	Myocyte enhancer factor-2 and cardiac muscle gene expression during hibernation in thirteen-lined ground squirrels. <i>Gene</i> , <b>2012</b> , 501, 8-16	3.8	28
368	Anti-apoptotic response during anoxia and recovery in a freeze-tolerant wood frog ( <i>Rana sylvatica</i> ). <i>PeerJ</i> , <b>2016</b> , 4, e1834	3.1	28
367	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> , <b>2015</b> , 13, 119-26	6.5	27
366	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> , <b>2015</b> , 13, 81-90	6.5	27
365	Transcription pattern of ribosomal protein L26 during anoxia exposure in <i>Littorina littorea</i> . <i>The Journal of Experimental Zoology</i> , <b>2001</b> , 290, 759-68		27

364	Analysis of microRNA expression during the torpor-arousal cycle of a mammalian hibernator, the 13-lined ground squirrel. <i>Physiological Genomics</i> , <b>2016</b> , 48, 388-96	3.6	27
363	Alpha-ketoglutarate attenuates toxic effects of sodium nitroprusside and hydrogen peroxide in <i>Drosophila melanogaster</i> . <i>Environmental Toxicology and Pharmacology</i> , <b>2015</b> , 40, 650-9	5.8	26
362	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> , <b>2015</b> , 410, 155-63	4.2	26
361	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> , <b>2016</b> , 20, 95-100	2	26
360	FoxO3a-mediated activation of stress responsive genes during early torpor in a mammalian hibernator. <i>Molecular and Cellular Biochemistry</i> , <b>2014</b> , 390, 185-95	4.2	26
359	Metabolic mechanisms for anoxia tolerance and freezing survival in the intertidal gastropod, <i>Littorina littorea</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2013</b> , 165, 448-59	2.6	26
358	Metabolic consequences of exercise in organs of rainbow trout. <i>The Journal of Experimental Zoology</i> , <b>1991</b> , 260, 157-164		26
357	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> , <b>2016</b> , 1860, 476-85	4	25
356	Freeze-thaw effects on metabolic enzymes in wood frog organs. <i>Cryobiology</i> , <b>2001</b> , 43, 32-45	2.7	25
355	Differential gene expression in the respiratory tree of the sea cucumber <i>Apostichopus japonicus</i> during aestivation. <i>Marine Genomics</i> , <b>2014</b> , 18 Pt B, 173-83	1.9	24
354	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> , <b>2012</b> , 163, 221-8	2.3	24
353	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> , <b>2011</b> , 159, 236-43	2.3	24
352	Adventures in oxygen metabolism. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2004</b> , 139, 359-69	2.3	24
351	Novel control of lactate dehydrogenase from the freeze tolerant wood frog: role of posttranslational modifications. <i>PeerJ</i> , <b>2013</b> , 1, e12	3.1	24
350	The complete mitochondrial genomes of five longicorn beetles (Coleoptera: Cerambycidae) and phylogenetic relationships within Cerambycidae. <i>PeerJ</i> , <b>2019</b> , 7, e7633	3.1	24
349	A framework for improving microRNA prediction in non-human genomes. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, e138	20.1	23
348	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> , <b>2015</b> , 13, 91-102	6.5	23
347	Higher tRNA gene duplication in mitogenomes of praying mantises (Dictyoptera, Mantodea) and the phylogeny within Mantodea. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 787-795	7.9	23



346	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> , <b>2016</b> , 186, 229-41	2.2	23
345	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> , <b>2018</b> , 18, 26	3	23
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343	Micromanaging freeze tolerance: the biogenesis and regulation of neuroprotective microRNAs in frozen brains. <i>Cellular and Molecular Life Sciences</i> , <b>2018</b> , 75, 3635-3647	10.3	22
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