

Cheng-Wei Wu

List of Publications by Year in descending order

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35
papers

932
citations

393982

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h-index

476904

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38
all docs

38
docs citations

38
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	A Damage Sensor Associated with the Cuticle Coordinates Three Core Environmental Stress Responses in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2018, 208, 1467-1482.	1.2	84
2	Regulation of the mTOR signaling network in hibernating thirteen-lined ground squirrels. <i>Journal of Experimental Biology</i> , 2012, 215, 1720-1727.	0.8	70
3	Pattern of cellular quiescence over the hibernation cycle in liver of thirteen-lined ground squirrels. <i>Cell Cycle</i> , 2012, 11, 1714-1726.	1.3	59
4	The Skp1 Homologs SKR-1/2 Are Required for the <i>Caenorhabditis elegans</i> SKN-1 Antioxidant/Detoxification Response Independently of p38 MAPK. <i>PLoS Genetics</i> , 2016, 12, e1006361.	1.5	55
5	Life in the cold: links between mammalian hibernation and longevity. <i>Biomolecular Concepts</i> , 2016, 7, 41-52.	1.0	53
6	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.	0.7	44
7	Dehydration mediated microRNA response in the African clawed frog <i>Xenopus laevis</i> . <i>Gene</i> , 2013, 529, 269-275.	1.0	43
8	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, 32-34.	1.1	43
9	Expression Profiling and Structural Characterization of MicroRNAs in Adipose Tissues of Hibernating Ground Squirrels. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 284-291.	3.0	36
10	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, 119-126.	3.0	36
11	Analysis of microRNA expression during the torpor-arousal cycle of a mammalian hibernator, the 13-lined ground squirrel. <i>Physiological Genomics</i> , 2016, 48, 388-396.	1.0	31
12	FoxO3a-mediated activation of stress responsive genes during early torpor in a mammalian hibernator. <i>Molecular and Cellular Biochemistry</i> , 2014, 390, 185-195.	1.4	30
13	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.	3.0	30
14	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.	3.0	29
15	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, 417-428.	0.8	23
16	F-Box Protein XREP-4 Is a New Regulator of the Oxidative Stress Response in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 206, 859-871.	1.2	23
17	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.	1.2	23
18	RNA processing errors triggered by cadmium and integrator complex disruption are signals for environmental stress. <i>BMC Biology</i> , 2019, 17, 56.	1.7	23

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19	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, 103-110.	3.0	22
20	Torpor-responsive expression of novel microRNA regulating metabolism and other cellular pathways in the thirteen-lined ground squirrel, <i>ctidomys tridecemlineatus</i> . <i>FEBS Letters</i> , 2016, 590, 3574-3582.	1.3	22
21	Neuron-specific toxicity of chronic acrylamide exposure in <i>C. elegans</i> . <i>Neurotoxicology and Teratology</i> , 2020, 77, 106848.	1.2	19
22	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, 111-118.	3.0	18
23	mTOR Signaling in Metabolic Stress Adaptation. <i>Biomolecules</i> , 2021, 11, 681.	1.8	18
24	The involvement of mRNA processing factors TIA-1, TIAR, and PABP-1 during mammalian hibernation. <i>Cell Stress and Chaperones</i> , 2014, 19, 813-825.	1.2	13
25	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.	0.8	12
26	Regulation of the insulin-activated 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.	0.9	11
27	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.	0.9	10
28	Transcriptional Activation of p53 during Cold Induced Torpor in the 13-Lined Ground Squirrel <i>ctidomys tridecemlineatus</i> . <i>Biochemistry Research International</i> , 2015, 2015, 1-11.	1.5	9
29	Regulation of Smad mediated microRNA transcriptional response in ground squirrels during hibernation. <i>Molecular and Cellular Biochemistry</i> , 2018, 439, 151-161.	1.4	9
30	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, 2196-2202.	1.1	8
31	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.	0.6	7
32	Translational suppression via IFG-1/eIF4G inhibits stress-induced RNA alternative splicing in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2022, 221, .	1.2	6
33	Effects of hibernation on regulation of mammalian protein phosphatase type-2-A. <i>Cryobiology</i> , 2013, 66, 267-274.	0.3	5
34	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.	0.7	4
35	Molecular characterization of ethyl carbamate toxicity in <i>Caenorhabditis elegans</i> . <i>Toxicology Reports</i> , 2022, 9, 619-627.	1.6	2