

Hui Chang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

330
citations

759233

12
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable oxidative stress and tissue specificity in major tissues during the torpor-arousal cycle in hibernating Daurian ground squirrels. <i>Open Biology</i> , 2018, 8, .	3.6	57
2	Remarkable preservation of Ca ²⁺ homeostasis and inhibition of apoptosis contribute to anti-muscle atrophy effect in hibernating Daurian ground squirrels. <i>Scientific Reports</i> , 2016, 6, 27020.	3.3	36
3	Tetramethylpyrazine ameliorated disuse-induced gastrocnemius muscle atrophy in hindlimb unloading rats through suppression of Ca ²⁺ /ROS-mediated apoptosis. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 117-127.	1.9	32
4	Novel findings on ultrastructural protection of skeletal muscle fibers during hibernation of Daurian ground squirrels: Mitochondria, nuclei, cytoskeleton, glycogen. <i>Journal of Cellular Physiology</i> , 2019, 234, 13318-13331.	4.1	20
5	Prosurvival roles mediated by the PERK signaling pathway effectively prevent excessive endoplasmic reticulum stress-induced skeletal muscle loss during high-stress conditions of hibernation. <i>Journal of Cellular Physiology</i> , 2019, 234, 19728-19739.	4.1	18
6	Priority Strategy of Intracellular Ca ²⁺ Homeostasis in Skeletal Muscle Fibers during the Multiple Stresses of Hibernation. <i>Cells</i> , 2020, 9, 42.	4.1	18
7	iTRAQ-based proteomic analysis of myofibrillar contents and relevant synthesis and proteolytic proteins in soleus muscle of hibernating Daurian ground squirrels (<i>Spermophilus dauricus</i>). <i>Proteome Science</i> , 2016, 14, 16.	1.7	17
8	Identification of the optimal dose and calpain system regulation of tetramethylpyrazine on the prevention of skeletal muscle atrophy in hindlimb unloading rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 513-523.	5.6	17
9	Remarkable plasticity of Na ⁺ , K ⁺ -ATPase, Ca ²⁺ -ATPase and SERCA contributes to muscle disuse atrophy resistance in hibernating Daurian ground squirrels. <i>Scientific Reports</i> , 2017, 7, 10509.	3.3	15
10	Proteomic analysis reveals the distinct energy and protein metabolism characteristics involved in myofiber type conversion and resistance of atrophy in the extensor digitorum longus muscle of hibernating Daurian ground squirrels. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 26, 20-31.	1.0	15
11	Muscle-specific activation of calpain system in hindlimb unloading rats and hibernating Daurian ground squirrels: a comparison between artificial and natural disuse. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 863-876.	1.5	15
12	Unexpected regulation pattern of the IKK ² /NF- κ B/MuRF1 pathway with remarkable muscle plasticity in the Daurian ground squirrel (<i>Spermophilus dauricus</i>). <i>Journal of Cellular Physiology</i> , 2018, 233, 8711-8722.	4.1	14
13	Remarkable Protective Effects of Nrf2-Mediated Antioxidant Enzymes and Tissue Specificity in Different Skeletal Muscles of Daurian Ground Squirrels Over the Torpor-Arousal Cycle. <i>Frontiers in Physiology</i> , 2019, 10, 1449.	2.8	13
14	Autophagy and Akt-mTOR signaling display periodic oscillations during torpor-arousal cycles in oxidative skeletal muscle of Daurian ground squirrels (<i>Spermophilus dauricus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 113-123.	1.5	12
15	A dramatic blood plasticity in hibernating and 14-day hindlimb unloading Daurian ground squirrels (<i>Spermophilus dauricus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 869-879.	1.5	9
16	A temporal study on musculoskeletal morphology and metabolism in hibernating Daurian ground squirrels (<i>Spermophilus dauricus</i>). <i>Bone</i> , 2021, 144, 115826.	2.9	9
17	Differential activation of the calpain system involved in individualized adaptation of different fast-twitch muscles in hibernating Daurian ground squirrels. <i>Journal of Applied Physiology</i> , 2019, 127, 328-341.	2.5	8
18	Differential bone remodeling mechanism in hindlimb unloaded rats and hibernating Daurian ground squirrels: a comparison between artificial and natural disuse. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 793-814.	1.5	3

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19	Differential protein metabolism and regeneration in hypertrophic diaphragm and atrophic gastrocnemius muscles in hibernating Daurian ground squirrels. <i>Experimental Physiology</i> , 2021, 106, 958-971.	2.0	1
20	Differential Protein Metabolism and Regeneration in Gastrocnemius Muscles in High-fat Diet Fed Mice and Pre-hibernation Daurian Ground Squirrels: A Comparison between Pathological and Healthy Obesity. <i>Zoological Studies</i> , 2021, 60, e6.	0.3	1