

Shen-Hui Xu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

239
citations

1040056

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h-index

996975

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18
all docs

18
docs citations

18
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable oxidative stress and tissue specificity in major tissues during the torpor-awakening cycle in hibernating Daurian ground squirrels. <i>Open Biology</i> , 2018, 8, .	3.6	57
2	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
3	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
4	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
5	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
6	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
7	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
8	Unexpected regulation pattern of the IKK β /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
9	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
10	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
11	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
12	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
13	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
14	Regular alteration of protein glycosylation in skeletal muscles of hibernating Daurian ground squirrels (<i>Spermophilus dauricus</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 237, 110323.	1.6	4
15	Resistance to disuse-induced iron overload in Daurian ground squirrels (<i>Spermophilus dauricus</i>) during extended hibernation inactivity. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 257, 110650.	1.6	4
16	A Temporal Examination of Cytoplasmic Ca ²⁺ Levels, Sarcoplasmic Reticulum Ca ²⁺ Levels, and Ca ²⁺ Handling-Related Proteins in Different Skeletal Muscles of Hibernating Daurian Ground Squirrels. <i>Frontiers in Physiology</i> , 2020, 11, 562080.	2.8	2
17	Remarkable Homeostasis of Protein Sialylation in Skeletal Muscles of Hibernating Daurian Ground Squirrels (<i>Spermophilus dauricus</i>). <i>Frontiers in Physiology</i> , 2020, 11, 37.	2.8	2
18	Different fuel regulation in two types of myofiber results in different antioxidant strategies in Daurian ground squirrels (<i>Spermophilus dauricus</i>) during hibernation. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	2