Stephanie E Wohlgemuth

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Apparent Absence of BMAL1-Dependent Skeletal Muscle–Kidney Cross Talk in Mice. Biomolecules, 2022, 12, 261.	4.0	2
2	Comparative toxicities of BPA, BPS, BPF, and TMBPF in the nematode Caenorhabditis elegans and mammalian fibroblast cells. Toxicology, 2021, 461, 152924.	4.2	19
3	Sodium dichloroacetate stimulates cardiac mitochondrial metabolism and improves cardiac conduction in the ovine fetus during labor. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, , .	1.8	2
4	Altered Expression of Mitoferrin and Frataxin, Larger Labile Iron Pool and Greater Mitochondrial DNA Damage in the Skeletal Muscle of Older Adults. Cells, 2020, 9, 2579.	4.1	18
5	Innovations in Geroscience to enhance mobility in older adults. Experimental Gerontology, 2020, 142, 111123.	2.8	17
6	Effect of heat stress during the early and late dry period on mammary gland development of Holstein dairy cattle. Journal of Dairy Science, 2020, 103, 8576-8586.	3.4	14
7	Mitochondrial DNA damage in calf skeletal muscle and walking performance in people with peripheral artery disease. Free Radical Biology and Medicine, 2020, 160, 680-689.	2.9	6
8	Mitochondrial oxygen consumption in early postmortem permeabilized skeletal muscle fibers is influenced by cattle breed. Journal of Animal Science, 2020, 98, .	0.5	13
9	Effect of heat stress during early, late, and entire dry period on dairy cattle. Journal of Dairy Science, 2019, 102, 5647-5656.	3.4	74
10	Old Mice Demonstrate Organ Dysfunction as well as Prolonged Inflammation, Immunosuppression, and Weight Loss in a Modified Surgical Sepsis Model*. Critical Care Medicine, 2019, 47, e919-e929.	0.9	27
11	Skeletal muscle from aged American Quarter Horses shows impairments in mitochondrial biogenesis and expression of autophagy markers. Experimental Gerontology, 2018, 102, 19-27.	2.8	10
12	Mitochondrial ATP transporter depletion protects mice against liver steatosis and insulin resistance. Nature Communications, 2017, 8, 14477.	12.8	55
13	A single nucleotide polymorphism in COQ9 affects mitochondrial and ovarian function and fertility in Holstein cowsâ€. Biology of Reproduction, 2017, 96, 652-663.	2.7	35
14	Submaximal exercise training improves mitochondrial efficiency in the gluteus medius but not in the triceps brachii of young equine athletes. Scientific Reports, 2017, 7, 14389.	3.3	16
15	Effects of aging on mitochondrial function in skeletal muscle of American American Quarter Horses. Journal of Applied Physiology, 2016, 121, 299-311.	2.5	24
16	Short communication: Effect of heat stress on markers of autophagy in the mammary gland during the dry period. Journal of Dairy Science, 2016, 99, 4875-4880.	3.4	43
17	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
18	Respiration and substrate transport rates as well as reactive oxygen species production distinguish mitochondria from brain and liver. BMC Biochemistry, 2015, 16, 22.	4.4	19

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19	Successful aging: Advancing the science of physical independence in older adults. Ageing Research Reviews, 2015, 24, 304-327.	10.9	172
20	Age-related cellular changes in the long-lived bivalve A. islandica. Age, 2015, 37, 90.	3.0	21
21	The interplay between autophagy and mitochondrial dysfunction in oxidative stress-induced cardiac aging and pathology. Journal of Molecular and Cellular Cardiology, 2014, 71, 62-70.	1.9	78
22	Aging, Nutrition and Lifestyle. , 2013, , 191-217.		0
23	Skeletal Muscle Mitochondrial Energetics Are Associated With Maximal Aerobic Capacity and Walking Speed in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 447-455.	3.6	240
24	Dysregulation of Mitochondrial Quality Control Processes Contribute to Sarcopenia in a Mouse Model of Premature Aging. PLoS ONE, 2013, 8, e69327.	2.5	132
25	The impact of aging on mitochondrial function and biogenesis pathways in skeletal muscle of sedentary high―and lowâ€functioning elderly individuals. Aging Cell, 2012, 11, 801-809.	6.7	284
26	Age-related differences in lower extremity tissue compartments and associations with physical function in older adults. Experimental Gerontology, 2012, 47, 38-44.	2.8	100
27	Long-term perturbation of muscle iron homeostasis following hindlimb suspension in old rats is associated with high levels of oxidative stress and impaired recovery from atrophy. Experimental Gerontology, 2012, 47, 100-108.	2.8	37
28	Skeletal Muscle Apoptotic Signaling Predicts Thigh Muscle Volume and Gait Speed in Community-Dwelling Older Persons: An Exploratory Study. PLoS ONE, 2012, 7, e32829.	2.5	76
29	An Exploratory Analysis of the Effects of a Weight Loss Plus Exercise Program on Cellular Quality Control Mechanisms in Older Overweight Women. Rejuvenation Research, 2011, 14, 315-324.	1.8	51
30	Autophagy plays a beneficial role against mitochondrial dysfunction in cardiomyocytes. FASEB Journal, 2011, 25, lb56.	0.5	0
31	Calorie Restriction for Optimal Cardiovascular Aging: The Weight of Evidence. Current Cardiovascular Risk Reports, 2010, 4, 340-346.	2.0	1
32	Skeletal muscle autophagy and apoptosis during aging: Effects of calorie restriction and life-long exercise. Experimental Gerontology, 2010, 45, 138-148.	2.8	345
33	Multiple Pathways to the Same End: Mechanisms of Myonuclear Apoptosis in Sarcopenia of Aging. Scientific World Journal, The, 2010, 10, 340-349.	2.1	61
34	Mitochondrial death effectors: Relevance to sarcopenia and disuse muscle atrophy. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 235-244.	2.4	150
35	Models of accelerated sarcopenia: Critical pieces for solving the puzzle of age-related muscle atrophy. Ageing Research Reviews, 2010, 9, 369-383.	10.9	244
36	Skeletal Muscle Changes in Obese, Older Women following Six Months of Exercise and Caloric Restriction. Medicine and Science in Sports and Exercise, 2010, 42, 36.	0.4	0

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37	Changes in IL-15 expression and death-receptor apoptotic signaling in rat gastrocnemius muscle with aging and life-long calorie restriction. Mechanisms of Ageing and Development, 2009, 130, 272-280.	4.6	101
38	Bioenergetics and permeability transition pore opening in heart subsarcolemmal and interfibrillar mitochondria: Effects of aging and lifelong calorie restriction. Mechanisms of Ageing and Development, 2009, 130, 297-307.	4.6	81
39	Sarcopenia of aging: Underlying cellular mechanisms and protection by calorie restriction. BioFactors, 2009, 35, 28-35.	5.4	158
40	Cellular Mechanisms of Cardioprotection by Calorie Restriction: State of the Science and Future Perspectives. Clinics in Geriatric Medicine, 2009, 25, 715-732.	2.6	58
41	Mitochondrial iron accumulation with age and functional consequences. Aging Cell, 2008, 7, 706-716.	6.7	99
42	Age-related activation of mitochondrial caspase-independent apoptotic signaling in rat gastrocnemius muscle. Mechanisms of Ageing and Development, 2008, 129, 542-549.	4.6	150
43	Effects of short-term GH supplementation and treadmill exercise training on physical performance and skeletal muscle apoptosis in old rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R558-R567.	1.8	62
44	Autophagy in the Heart and Liver During Normal Aging and Calorie Restriction. Rejuvenation Research, 2007, 10, 281-292.	1.8	164
45	Rapid induction and disappearance of electron-dense organelles following sulfide exposure in the marine annelid Branchioasychis americana. Invertebrate Biology, 2007, 126, 163-172.	0.9	30
46	Mitochondrial depolarization following hydrogen sulfide exposure in erythrocytes from a sulfide-tolerant marine invertebrate. Journal of Experimental Biology, 2005, 208, 4109-4122.	1.7	66
47	Mitochondrial DNA Mutations, Oxidative Stress, and Apoptosis in Mammalian Aging. Science, 2005, 309, 481-484.	12.6	1,847
48	Oxygen consumption in weakly electric Neotropical fishes. Oecologia, 2003, 137, 502-511.	2.0	30
49	Enzymatic hydrogen sulfide production in marine invertebrate tissues. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 133, 105-115.	1.8	62