

# Stephanie E Wohlgemuth

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

9,995  
citations

172207

29  
h-index

223531

46  
g-index

49  
all docs

49  
docs citations

49  
times ranked

19961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Mitochondrial DNA Mutations, Oxidative Stress, and Apoptosis in Mammalian Aging. <i>Science</i> , 2005, 309, 481-484.	6.0	1,847
3	Skeletal muscle autophagy and apoptosis during aging: Effects of calorie restriction and life-long exercise. <i>Experimental Gerontology</i> , 2010, 45, 138-148.	1.2	345
4	The impact of aging on mitochondrial function and biogenesis pathways in skeletal muscle of sedentary high- and low-functioning elderly individuals. <i>Aging Cell</i> , 2012, 11, 801-809.	3.0	284
5	Models of accelerated sarcopenia: Critical pieces for solving the puzzle of age-related muscle atrophy. <i>Ageing Research Reviews</i> , 2010, 9, 369-383.	5.0	244
6	Skeletal Muscle Mitochondrial Energetics Are Associated With Maximal Aerobic Capacity and Walking Speed in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 447-455.	1.7	240
7	Successful aging: Advancing the science of physical independence in older adults. <i>Ageing Research Reviews</i> , 2015, 24, 304-327.	5.0	172
8	Autophagy in the Heart and Liver During Normal Aging and Calorie Restriction. <i>Rejuvenation Research</i> , 2007, 10, 281-292.	0.9	164
9	Sarcopenia of aging: Underlying cellular mechanisms and protection by calorie restriction. <i>BioFactors</i> , 2009, 35, 28-35.	2.6	158
10	Age-related activation of mitochondrial caspase-independent apoptotic signaling in rat gastrocnemius muscle. <i>Mechanisms of Ageing and Development</i> , 2008, 129, 542-549.	2.2	150
11	Mitochondrial death effectors: Relevance to sarcopenia and disuse muscle atrophy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 235-244.	1.1	150
12	Dysregulation of Mitochondrial Quality Control Processes Contribute to Sarcopenia in a Mouse Model of Premature Aging. <i>PLoS ONE</i> , 2013, 8, e69327.	1.1	132
13	Changes in IL-15 expression and death-receptor apoptotic signaling in rat gastrocnemius muscle with aging and life-long calorie restriction. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 272-280.	2.2	101
14	Age-related differences in lower extremity tissue compartments and associations with physical function in older adults. <i>Experimental Gerontology</i> , 2012, 47, 38-44.	1.2	100
15	Mitochondrial iron accumulation with age and functional consequences. <i>Aging Cell</i> , 2008, 7, 706-716.	3.0	99
16	Bioenergetics and permeability transition pore opening in heart subsarcolemmal and interfibrillar mitochondria: Effects of aging and lifelong calorie restriction. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 297-307.	2.2	81
17	The interplay between autophagy and mitochondrial dysfunction in oxidative stress-induced cardiac aging and pathology. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 71, 62-70.	0.9	78
18	Skeletal Muscle Apoptotic Signaling Predicts Thigh Muscle Volume and Gait Speed in Community-Dwelling Older Persons: An Exploratory Study. <i>PLoS ONE</i> , 2012, 7, e32829.	1.1	76

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19	Effect of heat stress during early, late, and entire dry period on dairy cattle. <i>Journal of Dairy Science</i> , 2019, 102, 5647-5656.	1.4	74
20	Mitochondrial depolarization following hydrogen sulfide exposure in erythrocytes from a sulfide-tolerant marine invertebrate. <i>Journal of Experimental Biology</i> , 2005, 208, 4109-4122.	0.8	66
21	Enzymatic hydrogen sulfide production in marine invertebrate tissues. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2002, 133, 105-115.	0.8	62
22	Effects of short-term GH supplementation and treadmill exercise training on physical performance and skeletal muscle apoptosis in old rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R558-R567.	0.9	62
23	Multiple Pathways to the Same End: Mechanisms of Myonuclear Apoptosis in Sarcopenia of Aging. <i>Scientific World Journal, The</i> , 2010, 10, 340-349.	0.8	61
24	Cellular Mechanisms of Cardioprotection by Calorie Restriction: State of the Science and Future Perspectives. <i>Clinics in Geriatric Medicine</i> , 2009, 25, 715-732.	1.0	58
25	Mitochondrial ATP transporter depletion protects mice against liver steatosis and insulin resistance. <i>Nature Communications</i> , 2017, 8, 14477.	5.8	55
26	An Exploratory Analysis of the Effects of a Weight Loss Plus Exercise Program on Cellular Quality Control Mechanisms in Older Overweight Women. <i>Rejuvenation Research</i> , 2011, 14, 315-324.	0.9	51
27	Short communication: Effect of heat stress on markers of autophagy in the mammary gland during the dry period. <i>Journal of Dairy Science</i> , 2016, 99, 4875-4880.	1.4	43
28	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. <i>Experimental Gerontology</i> , 2012, 47, 100-108.	1.2	37
29	A single nucleotide polymorphism in COQ9 affects mitochondrial and ovarian function and fertility in Holstein cows. <i>Biological Journal of the Royal Society</i> , 2017, 96, 652-663.	1.2	35
30	Oxygen consumption in weakly electric Neotropical fishes. <i>Oecologia</i> , 2003, 137, 502-511.	0.9	30
31	Rapid induction and disappearance of electron-dense organelles following sulfide exposure in the marine annelid <i>Branchioasychis americana</i> . <i>Invertebrate Biology</i> , 2007, 126, 163-172.	0.3	30
32	Old Mice Demonstrate Organ Dysfunction as well as Prolonged Inflammation, Immunosuppression, and Weight Loss in a Modified Surgical Sepsis Model*. <i>Critical Care Medicine</i> , 2019, 47, e919-e929.	0.4	27
33	Effects of aging on mitochondrial function in skeletal muscle of American American Quarter Horses. <i>Journal of Applied Physiology</i> , 2016, 121, 299-311.	1.2	24
34	Age-related cellular changes in the long-lived bivalve <i>A. islandica</i> . <i>Age</i> , 2015, 37, 90.	3.0	21
35	Respiration and substrate transport rates as well as reactive oxygen species production distinguish mitochondria from brain and liver. <i>BMC Biochemistry</i> , 2015, 16, 22.	4.4	19
36	Comparative toxicities of BPA, BPS, BPF, and TMBPF in the nematode <i>Caenorhabditis elegans</i> and mammalian fibroblast cells. <i>Toxicology</i> , 2021, 461, 152924.	2.0	19

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37	Altered Expression of Mitoferrin and Frataxin, Larger Labile Iron Pool and Greater Mitochondrial DNA Damage in the Skeletal Muscle of Older Adults. <i>Cells</i> , 2020, 9, 2579.	1.8	18
38	Innovations in Geroscience to enhance mobility in older adults. <i>Experimental Gerontology</i> , 2020, 142, 111123.	1.2	17
39	Submaximal exercise training improves mitochondrial efficiency in the gluteus medius but not in the triceps brachii of young equine athletes. <i>Scientific Reports</i> , 2017, 7, 14389.	1.6	16
40	Effect of heat stress during the early and late dry period on mammary gland development of Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2020, 103, 8576-8586.	1.4	14
41	Mitochondrial oxygen consumption in early postmortem permeabilized skeletal muscle fibers is influenced by cattle breed. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	13
42	Skeletal muscle from aged American Quarter Horses shows impairments in mitochondrial biogenesis and expression of autophagy markers. <i>Experimental Gerontology</i> , 2018, 102, 19-27.	1.2	10
43	Mitochondrial DNA damage in calf skeletal muscle and walking performance in people with peripheral artery disease. <i>Free Radical Biology and Medicine</i> , 2020, 160, 680-689.	1.3	6
44	Sodium dichloroacetate stimulates cardiac mitochondrial metabolism and improves cardiac conduction in the ovine fetus during labor. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, , .	0.9	2
45	Apparent Absence of BMAL1-Dependent Skeletal Muscleâ€œKidney Cross Talk in Mice. <i>Biomolecules</i> , 2022, 12, 261.	1.8	2
46	Calorie Restriction for Optimal Cardiovascular Aging: The Weight of Evidence. <i>Current Cardiovascular Risk Reports</i> , 2010, 4, 340-346.	0.8	1
47	Aging, Nutrition and Lifestyle. , 2013, , 191-217.		0
48	Skeletal Muscle Changes in Obese, Older Women following Six Months of Exercise and Caloric Restriction. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 36.	0.2	0
49	Autophagy plays a beneficial role against mitochondrial dysfunction in cardiomyocytes. <i>FASEB Journal</i> , 2011, 25, 1b56.	0.2	0