# Stephanie E Wohlgemuth

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Apparent Absence of BMAL1-Dependent Skeletal Muscleâ€“Kidney Cross Talk in Mice. Biomolecules, 2022, 12, 261. | 1.8 | 2 |
| 2 | Comparative toxicities of BPA, BPS, BPF, and TMBPF in the nematode Caenorhabditis elegans and mammalian fibroblast cells. Toxicology, 2021, 461, 152924. | 2.0 | 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, , . | 0.9 | 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. | 1.8 | 18 |
| 5 | Innovations in Geroscience to enhance mobility in older adults. Experimental Gerontology, 2020, 142, 111123. | 1.2 | 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. | 1.4 | 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. | 1.3 | 6 |
| 8 | Mitochondrial oxygen consumption in early postmortem permeabilized skeletal muscle fibers is influenced by cattle breed. Journal of Animal Science, 2020, 98, . | 0.2 | 13 |
| 9 | Effect of heat stress during early, late, and entire dry period on dairy cattle. Journal of Dairy Science, 2019, 102, 5647-5656. | 1.4 | 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. | 0.4 | 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. | 1.2 | 10 |
| 12 | Mitochondrial ATP transporter depletion protects mice against liver steatosis and insulin resistance. Nature Communications, 2017, 8, 14477. | 5.8 | 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. | 1.2 | 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. | 1.6 | 16 |
| 15 | Effects of aging on mitochondrial function in skeletal muscle of American American Quarter Horses. Journal of Applied Physiology, 2016, 121, 299-311. | 1.2 | 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. | 1.4 | 43 |
| 17 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 4.3 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Successful aging: Advancing the science of physical independence in older adults. Ageing Research Reviews, 2015, 24, 304-327. | 5.0 | 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. | 0.9 | 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. | 1.7 | 240 |
| 24 | Dysregulation of Mitochondrial Quality Control Processes Contribute to Sarcopenia in a Mouse Model of Premature Aging. PLoS ONE, 2013, 8, e69327. | 1.1 | 132 |
| 25 | The impact of aging on mitochondrial function and biogenesis pathways in skeletal muscle of sedentary highâ€and lowâ€functioning elderly individuals. Aging Cell, 2012, 11, 801-809. | 3.0 | 284 |
| 26 | Age-related differences in lower extremity tissue compartments and associations with physical function in older adults. Experimental Gerontology, 2012, 47, 38-44. | 1.2 | 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. | 1.2 | 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. | 1.1 | 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. | 0.9 | 51 |
| 30 | Autophagy plays a beneficial role against mitochondrial dysfunction in cardiomyocytes. FASEB Journal, 2011, 25, lb56. | 0.2 | 0 |
| 31 | Calorie Restriction for Optimal Cardiovascular Aging: The Weight of Evidence. Current Cardiovascular Risk Reports, 2010, 4, 340-346. | 0.8 | 1 |
| 32 | Skeletal muscle autophagy and apoptosis during aging: Effects of calorie restriction and life-long exercise. Experimental Gerontology, 2010, 45, 138-148. | 1.2 | 345 |
| 33 | Multiple Pathways to the Same End: Mechanisms of Myonuclear Apoptosis in Sarcopenia of Aging. Scientific World Journal, The, 2010, 10, 340-349. | 0.8 | 61 |
| 34 | Mitochondrial death effectors: Relevance to sarcopenia and disuse muscle atrophy. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 235-244. | 1.1 | 150 |
| 35 | Models of accelerated sarcopenia: Critical pieces for solving the puzzle of age-related muscle atrophy. Ageing Research Reviews, 2010, 9, 369-383. | 5.0 | 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. | 0.2 | 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. | 2.2 | 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. | 2.2 | 81 |
| 39 | Sarcopenia of aging: Underlying cellular mechanisms and protection by calorie restriction. BioFactors, 2009, 35, 28-35. | 2.6 | 158 |
| 40 | Cellular Mechanisms of Cardioprotection by Calorie Restriction: State of the Science and Future Perspectives. Clinics in Geriatric Medicine, 2009, 25, 715-732. | 1.0 | 58 |
| 41 | Mitochondrial iron accumulation with age and functional consequences. Aging Cell, 2008, 7, 706-716. | 3.0 | 99 |
| 42 | Age-related activation of mitochondrial caspase-independent apoptotic signaling in rat gastrocnemius muscle. Mechanisms of Ageing and Development, 2008, 129, 542-549. | 2.2 | 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. | 0.9 | 62 |
| 44 | Autophagy in the Heart and Liver During Normal Aging and Calorie Restriction. Rejuvenation Research, 2007, 10, 281-292. | 0.9 | 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. | 0.3 | 30 |
| 46 | Mitochondrial depolarization following hydrogen sulfide exposure in erythrocytes from a sulfide-tolerant marine invertebrate. Journal of Experimental Biology, 2005, 208, 4109-4122. | 0.8 | 66 |
| 47 | Mitochondrial DNA Mutations, Oxidative Stress, and Apoptosis in Mammalian Aging. Science, 2005, 309, 481-484. | 6.0 | 1,847 |
| 48 | Oxygen consumption in weakly electric Neotropical fishes. Oecologia, 2003, 137, 502-511. | 0.9 | 30 |
| 49 | Enzymatic hydrogen sulfide production in marine invertebrate tissues. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 133, 105-115. | 0.8 | 62 |