

Christopher Brooks Mobley

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

979

citations

18

h-index

27

g-index

78

ext. papers

1,317

ext. citations

3.3

avg, IF

4.18

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 68 | Senolytic treatment rescues blunted muscle hypertrophy in old mice.. <i>GeroScience</i> , 2022 , 1 | 8.9 | 1 |
| 67 | Molecular Differences in Skeletal Muscle After 1 Week of Active vs. Passive Recovery From High-Volume Resistance Training. <i>Journal of Strength and Conditioning Research</i> , 2021 , 35, 2102-2113 | 3.2 | 1 |
| 66 | Genetic and epigenetic regulation of skeletal muscle ribosome biogenesis with exercise. <i>Journal of Physiology</i> , 2021 , 599, 3363-3384 | 3.9 | 13 |
| 65 | The role of extracellular vesicles in skeletal muscle and systematic adaptation to exercise. <i>Journal of Physiology</i> , 2021 , 599, 845-861 | 3.9 | 24 |
| 64 | Dysbiosis of the gut microbiome impairs mouse skeletal muscle adaptation to exercise. <i>Journal of Physiology</i> , 2021 , 599, 4845-4863 | 3.9 | 3 |
| 63 | Nucleus Type-Specific DNA Methyloomics Reveals Epigenetic "Memory" of Prior Adaptation in Skeletal Muscle. <i>Function</i> , 2021 , 2, zqab038 | 6.1 | 8 |
| 62 | Evidence of myomiR regulation of the pentose phosphate pathway during mechanical load-induced hypertrophy. <i>Physiological Reports</i> , 2021 , 9, e15137 | 2.6 | 1 |
| 61 | CORP: Using transgenic mice to study skeletal muscle physiology. <i>Journal of Applied Physiology</i> , 2020 , 128, 1227-1239 | 3.7 | 2 |
| 60 | The myonuclear DNA methylome in response to an acute hypertrophic stimulus. <i>Epigenetics</i> , 2020 , 15, 1151-1162 | 5.7 | 15 |
| 59 | Muscle memory: myonuclear accretion, maintenance, morphology, and miRNA levels with training and detraining in adult mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020 , 11, 1705-1722 | 10.3 | 17 |
| 58 | LAT1 Protein Content Increases Following 12 Weeks of Resistance Exercise Training in Human Skeletal Muscle. <i>Frontiers in Nutrition</i> , 2020 , 7, 628405 | 6.2 | 4 |
| 57 | Skeletal muscle LINE-1 retrotransposon activity is upregulated in older versus younger rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R397-R406 | 3.2 | 3 |
| 56 | Bovine Milk Extracellular Vesicles (EVs) Modification Elicits Skeletal Muscle Growth in Rats. <i>Frontiers in Physiology</i> , 2019 , 10, 436 | 4.6 | 11 |
| 55 | Pre-training Skeletal Muscle Fiber Size and Predominant Fiber Type Best Predict Hypertrophic Responses to 6 Weeks of Resistance Training in Previously Trained Young Men. <i>Frontiers in Physiology</i> , 2019 , 10, 297 | 4.6 | 22 |
| 54 | Bovine Milk Exosome Depletion Affects Skeletal Muscle and Liver in Young Growing Rats. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 145-145 | 1.2 | |
| 53 | Agreement Between Dual-Energy X-Ray Absorptiometry and a New Standing Bioimpedance Spectroscopy Device for Detecting Changes in Fat-Free Tissue. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 504-504 | 1.2 | |
| 52 | Progressive resistance-loaded voluntary wheel running increases hypertrophy and differentially affects muscle protein synthesis, ribosome biogenesis, and proteolytic markers in rat muscle. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018 , 102, 317-329 | 2.6 | 6 |

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| 51 | Cross talk between androgen and Wnt signaling potentially contributes to age-related skeletal muscle atrophy in rats. <i>Journal of Applied Physiology</i> , 2018 , 125, 486-494 | 3.7 | 11 |
| 50 | Soy protein supplementation is not androgenic or estrogenic in college-aged men when combined with resistance exercise training. <i>Scientific Reports</i> , 2018 , 8, 11151 | 4.9 | 9 |
| 49 | Skeletal muscle amino acid transporter and BCAT2 expression prior to and following interval running or resistance exercise in mode-specific trained males. <i>Amino Acids</i> , 2018 , 50, 961-965 | 3.5 | 6 |
| 48 | Acute and chronic resistance training downregulates select LINE-1 retrotransposon activity markers in human skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2018 , 314, C379-C388 | 5.4 | 6 |
| 47 | Effects of Graded Whey Supplementation During Extreme-Volume Resistance Training. <i>Frontiers in Nutrition</i> , 2018 , 5, 84 | 6.2 | 24 |
| 46 | Effect of 1-week betalain-rich beetroot concentrate supplementation on cycling performance and select physiological parameters. <i>European Journal of Applied Physiology</i> , 2018 , 118, 2465-2476 | 3.4 | 12 |
| 45 | Biomarkers associated with low, moderate, and high vastus lateralis muscle hypertrophy following 12 weeks of resistance training. <i>PLoS ONE</i> , 2018 , 13, e0195203 | 3.7 | 51 |
| 44 | Lifelong Ketogenic Diet Feeding Increases Longevity, But Does Not Alter Oxidative Stress Markers in Rats. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 82 | 1.2 | 2 |
| 43 | Acute and Chronic Resistance-Training Downregulates Select Line-1 Retrotransposon Activity Markers in Human Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 553 | 1.2 | |
| 42 | Skeletal muscle mitochondrial volume and myozenin-1 protein differences exist between high versus low anabolic responders to resistance training. <i>PeerJ</i> , 2018 , 6, e5338 | 3.1 | 22 |
| 41 | Amino Acid Transport and Metabolism Alterations Following 12 Weeks of Resistance Training with Supplementation. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 810 | 1.2 | |
| 40 | Ketogenic diet increases mitochondria volume in the liver and skeletal muscle without altering oxidative stress markers in rats. <i>Heliyon</i> , 2018 , 4, e00975 | 3.6 | 18 |
| 39 | A single 60-min bout of peristaltic pulse external pneumatic compression transiently upregulates phosphorylated ribosomal protein s6. <i>Clinical Physiology and Functional Imaging</i> , 2017 , 37, 602-609 | 2.4 | 5 |
| 38 | Testosterone and trenbolone enanthate increase mature myostatin protein expression despite increasing skeletal muscle hypertrophy and satellite cell number in rodent muscle. <i>Andrologia</i> , 2017 , 49, e12622 | 2.4 | 10 |
| 37 | Concomitant external pneumatic compression treatment with consecutive days of high intensity interval training reduces markers of proteolysis. <i>European Journal of Applied Physiology</i> , 2017 , 117, 2587-2600 | 3.4 | 4 |
| 36 | Molecular, neuromuscular, and recovery responses to light versus heavy resistance exercise in young men. <i>Physiological Reports</i> , 2017 , 5, e13457 | 2.6 | 26 |
| 35 | Does external pneumatic compression treatment between bouts of overreaching resistance training sessions exert differential effects on molecular signaling and performance-related variables compared to passive recovery? An exploratory study. <i>PLoS ONE</i> , 2017 , 12, e0180429 | 3.7 | 9 |
| 34 | Endurance training lowers ribosome density despite increasing ribosome biogenesis markers in rodent skeletal muscle. <i>BMC Research Notes</i> , 2017 , 10, 399 | 2.3 | 3 |

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| 33 | Whey protein-derived exosomes increase protein synthesis and hypertrophy in CC myotubes. <i>Journal of Dairy Science</i> , 2017 , 100, 48-64 | 4 | 17 |
| 32 | Aging in Rats Differentially Affects Markers of Transcriptional and Translational Capacity in Soleus and Plantaris Muscle. <i>Frontiers in Physiology</i> , 2017 , 8, 518 | 4.6 | 17 |
| 31 | Effects of Whey, Soy or Leucine Supplementation with 12 Weeks of Resistance Training on Strength, Body Composition, and Skeletal Muscle and Adipose Tissue Histological Attributes in College-Aged Males. <i>Nutrients</i> , 2017 , 9, | 6.7 | 54 |
| 30 | The 1-Week and 8-Month Effects of a Ketogenic Diet or Ketone Salt Supplementation on Multi-Organ Markers of Oxidative Stress and Mitochondrial Function in Rats. <i>Nutrients</i> , 2017 , 9, | 6.7 | 31 |
| 29 | The Relationship Between Serum Testosterone And Skeletal Muscle Wnt Signaling Markers In 3-24-month Old Rats. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 338 | 1.2 | |
| 28 | Inducible Overexpression of p21Cip1 in Myotubes Promotes Increases in Protein Synthesis and Myotube Hypertrophy. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 501 | 1.2 | |
| 27 | Effects of a ketogenic diet on adipose tissue, liver, and serum biomarkers in sedentary rats and rats that exercised via resisted voluntary wheel running. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 311, R337-51 | 3.2 | 34 |
| 26 | The Effects of Fortetropin Supplementation on Body Composition, Strength, and Power in Humans and Mechanism of Action in a Rodent Model. <i>Journal of the American College of Nutrition</i> , 2016 , 35, 679-691 | 3.5 | 6 |
| 25 | Ten weeks of branched-chain amino acid supplementation improves select performance and immunological variables in trained cyclists. <i>Amino Acids</i> , 2016 , 48, 779-789 | 3.5 | 37 |
| 24 | Comparative effects of whey protein versus L-leucine on skeletal muscle protein synthesis and markers of ribosome biogenesis following resistance exercise. <i>Amino Acids</i> , 2016 , 48, 733-750 | 3.5 | 22 |
| 23 | Effects of Arachidonic Acid Supplementation on Acute Anabolic Signaling and Chronic Functional Performance and Body Composition Adaptations. <i>PLoS ONE</i> , 2016 , 11, e0155153 | 3.7 | 13 |
| 22 | A Ketogenic Diet in Rodents Elicits Improved Mitochondrial Adaptations in Response to Resistance Exercise Training Compared to an Isocaloric Western Diet. <i>Frontiers in Physiology</i> , 2016 , 7, 533 | 4.6 | 28 |
| 21 | The serine protease, dipeptidyl peptidase IV as a myokine: dietary protein and exercise mimetics as a stimulus for transcription and release. <i>Physiological Reports</i> , 2016 , 4, e12827 | 2.6 | 10 |
| 20 | Impact of external pneumatic compression target inflation pressure on transcriptome-wide RNA expression in skeletal muscle. <i>Physiological Reports</i> , 2016 , 4, e13029 | 2.6 | 15 |
| 19 | A putative low-carbohydrate ketogenic diet elicits mild nutritional ketosis but does not impair the acute or chronic hypertrophic responses to resistance exercise in rodents. <i>Journal of Applied Physiology</i> , 2016 , 120, 1173-85 | 3.7 | 22 |
| 18 | Post-exercise branched chain amino acid supplementation does not affect recovery markers following three consecutive high intensity resistance training bouts compared to carbohydrate supplementation. <i>Journal of the International Society of Sports Nutrition</i> , 2016 , 13, 30 | 4.5 | 18 |
| 17 | Differential vascular reactivity responses acutely following ingestion of a nitrate rich red spinach extract. <i>European Journal of Applied Physiology</i> , 2016 , 116, 2267-2279 | 3.4 | 15 |
| 16 | Testosterone inhibits expression of lipogenic genes in visceral fat by an estrogen-dependent mechanism. <i>Journal of Applied Physiology</i> , 2016 , 121, 792-805 | 3.7 | 7 |

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| 15 | Effects of protein type and composition on postprandial markers of skeletal muscle anabolism, adipose tissue lipolysis, and hypothalamic gene expression. <i>Journal of the International Society of Sports Nutrition</i> , 2015 , 12, 14 | 4.5 | 21 |
| 14 | Effects of oral phosphatidic acid feeding with or without whey protein on muscle protein synthesis and anabolic signaling in rodent skeletal muscle. <i>Journal of the International Society of Sports Nutrition</i> , 2015 , 12, 32 | 4.5 | 15 |
| 13 | Comparative adaptations in oxidative and glycolytic muscle fibers in a low voluntary wheel running rat model performing three levels of physical activity. <i>Physiological Reports</i> , 2015 , 3, e12619 | 2.6 | 20 |
| 12 | Ten weeks of branched chain amino acid supplementation improves select performance and immunological variables in trained cyclists. <i>Journal of the International Society of Sports Nutrition</i> , 2015 , 12, | 4.5 | 2 |
| 11 | Ketogenic versus Western and standard chow diets favorably alters fat deposition and serum biomarkers in rats. <i>Journal of the International Society of Sports Nutrition</i> , 2015 , 12, | 4.5 | 78 |
| 10 | The anabolic skeletal muscle response to acute resistance exercise is not impaired in rats fed a ketogenic diet. <i>Journal of the International Society of Sports Nutrition</i> , 2015 , 12, | 4.5 | 78 |
| 9 | Effects of sub-chronic branched chain amino acid supplementation on markers of muscle damage and performance variables following 1 week of rigorous weight training. <i>Journal of the International Society of Sports Nutrition</i> , 2015 , 12, | 4.5 | 1 |
| 8 | Western diet-induced hepatic steatosis and alterations in the liver transcriptome in adult Brown-Norway rats. <i>BMC Gastroenterology</i> , 2015 , 15, 151 | 3 | 16 |
| 7 | A single bout of whole-leg, peristaltic pulse external pneumatic compression upregulates PGC-1 α mRNA and endothelial nitric oxide synthase protein in human skeletal muscle tissue. <i>Experimental Physiology</i> , 2015 , 100, 852-64 | 2.4 | 19 |
| 6 | Herbal adaptogens combined with protein fractions from bovine colostrum and hen egg yolk reduce liver TNF- α expression and protein carbonylation in Western diet feeding in rats. <i>Nutrition and Metabolism</i> , 2014 , 11, 19 | 4.6 | 6 |
| 5 | L-leucine, beta-hydroxy-beta-methylbutyric acid (HMB) and creatine monohydrate prevent myostatin-induced Akt1/Mighty mRNA down-regulation and myotube atrophy. <i>Journal of the International Society of Sports Nutrition</i> , 2014 , 11, 38 | 4.5 | 14 |
| 4 | Phosphatidic acid feeding increases muscle protein synthesis and select mTORC1 pathway signaling mediators in rodent skeletal muscle. <i>Journal of the International Society of Sports Nutrition</i> , 2014 , 11, P50 | 4.5 | 1 |
| 3 | Differential effects of whey protein concentrate and hydrolyzed whey/egg protein blends on post-prandial markers of insulin signaling and skeletal muscle anabolism in rats (LB439). <i>FASEB Journal</i> , 2014 , 28, LB439 | 0.9 | 1 |
| 2 | Effects of whey protein concentrate and hydrolyzed whey/egg protein blends on post-prandial markers of adipose tissue lipolysis in rats (LB440). <i>FASEB Journal</i> , 2014 , 28, LB440 | 0.9 | |
| 1 | Evaluation of cardiac phenotype in horses with type 1 polysaccharide storage myopathy. <i>Journal of Veterinary Internal Medicine</i> , 2012 , 26, 1464-9 | 3.1 | 12 |