# Andrew Philp

List of Publications by Year
in descending order



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|---|---|---|---|
| 106 papers | 6,239 citations | 94269 37 h-index | 71532 76 g-index |
| 112 all docs | 112 docs citations | 112 times ranked | 9035 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Transient changes to metabolic homeostasis initiate mitochondrial adaptation to endurance exercise. Seminars in Cell and Developmental Biology, 2023, 143, 3-16. | 2.3 | 3 |
| 2 | p300 or CBP is required for insulin-stimulated glucose uptake in skeletal muscle and adipocytes. JCI Insight, 2022, 7, . | 2.3 | 3 |
| 3 | Primary skeletal muscle cells from chronic kidney disease patients retain hallmarks of cachexia in vitro. Journal of Cachexia, Sarcopenia and Muscle, 2022, , . | 2.9 | 4 |
| 4 | The importance of mitochondrial quality control for maintaining skeletal muscle function across health span. American Journal of Physiology - Cell Physiology, 2022, 322, C461-C467. | 2.1 | 21 |
| 5 | No effect of five days of bed rest or shortâ€term resistance exercise prehabilitation on markers of skeletal muscle mitochondrial content and dynamics in older adults. Physiological Reports, 2022, 10, . | 0.7 | 4 |
| 6 | Fine wine or sour grapes? A systematic review and meta-analysis of the impact of red wine polyphenols on vascular health. European Journal of Nutrition, 2021, 60, 1-28. | 1.8 | 23 |
| 7 | Influence of sex and fiber type on the satellite cell pool in human skeletal muscle. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 303-312. | 1.3 | 24 |
| 8 | The mechanisms of skeletal muscle atrophy in response to transient knockdown of the vitamin D receptor <i>in vivo</i>. Journal of Physiology, 2021, 599, 963-979. | 1.3 | 36 |
| 9 | Nicotinamide riboside supplementation does not alter wholeâ€body or skeletal muscle metabolic responses to a single bout of endurance exercise. Journal of Physiology, 2021, 599, 1513-1531. | 1.3 | 31 |
| 10 | Mitochondrial hydrogen sulfide supplementation improves health in the <i>C. elegans</i> Duchenne muscular dystrophy model. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 27 |
| 11 | Metabolic remodeling of dystrophic skeletal muscle reveals biological roles for dystrophin and utrophin in adaptation and plasticity. Molecular Metabolism, 2021, 45, 101157. | 3.0 | 22 |
| 12 | Diet-induced vitamin D deficiency reduces skeletal muscle mitochondrial respiration. Journal of Endocrinology, 2021, 249, 113-124. | 1.2 | 14 |
| 13 | Potent PDE4 inhibitor activates AMPK and Sirt1 to induce mitochondrial biogenesis. PLoS ONE, 2021, 16, e0253269. | 1.1 | 3 |
| 14 | Association between vitamin D deficiency and exercise capacity in patients with CKD, a cross-sectional analysis. Journal of Steroid Biochemistry and Molecular Biology, 2021, 210, 105861. | 1.2 | 2 |
| 15 | Effects of short-term graded dietary carbohydrate intake on intramuscular and whole body metabolism during moderate-intensity exercise. Journal of Applied Physiology, 2021, 131, 376-387. | 1.2 | 5 |
| 16 | Spontaneously Resolving Joint Inflammation Is Characterised by Metabolic Agility of Fibroblast-Like Synoviocytes. Frontiers in Immunology, 2021, 12, 725641. | 2.2 | 14 |
| 17 | The influence of aerobic exercise on mitochondrial quality control in skeletal muscle. Journal of Physiology, 2021, 599, 3463-3476. | 1.3 | 30 |
| 18 | The effect of shortâ€term exercise prehabilitation on skeletal muscle protein synthesis and atrophy during bed rest in older men. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 52-69. | 2.9 | 28 |

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|---|---|---|---|
| 19 | Lipid Metabolism Links Nutrient-Exercise Timing to Insulin Sensitivity in Men Classified as Overweight or Obese. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 660-676. | 1.8 | 32 |
| 20 | Reductions in skeletal muscle mitochondrial mass are not restored following exercise training in patients with chronic kidney disease. FASEB Journal, 2020, 34, 1755-1767. | 0.2 | 49 |
| 21 | p300 and cAMP response elementâ€binding proteinâ€binding protein in skeletal muscle homeostasis, contractile function, and survival. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 464-477. | 2.9 | 18 |
| 22 | SUN-670 P300 and CBP Are Necessary for Skeletal Muscle Insulin-Stimulated Glucose Uptake. Journal of the Endocrine Society, 2020, 4, . | 0.1 | 0 |
| 23 | Overexpression of the vitamin D receptor (VDR) induces skeletal muscle hypertrophy. Molecular Metabolism, 2020, 42, 101059. | 3.0 | 61 |
| 24 | Editorial: Nutritional Strategies to Promote Muscle Mass and Function Across the Health Span. Frontiers in Nutrition, 2020, 7, 569270. | 1.6 | 3 |
| 25 | Proteinâ€carbohydrate ingestion alters Vps34 cellular localization independent of changes in kinase activity in human skeletal muscle. Experimental Physiology, 2020, 105, 2178-2189. | 0.9 | 7 |
| 26 | Achieving energy balance with a highâ€fat meal does not enhance skeletal muscle adaptation and impairs glycaemic response in a sleepâ€low training model. Experimental Physiology, 2020, 105, 1778-1791. | 0.9 | 13 |
| 27 | High-dose leucine supplementation does not prevent muscle atrophy or strength loss over 7 days of immobilization in healthy young males. American Journal of Clinical Nutrition, 2020, 112, 1368-1381. | 2.2 | 24 |
| 28 | Immobilization leads to alterations in intracellular phosphagen and creatine transporter content in human skeletal muscle. American Journal of Physiology - Cell Physiology, 2020, 319, C34-C44. | 2.1 | 8 |
| 29 | Mitochondrial uncoupler BAM15 reverses diet-induced obesity and insulin resistance in mice. Nature Communications, 2020, 11, 2397. | 5.8 | 74 |
| 30 | AMPK activation induces mitophagy and promotes mitochondrial fission while activating TBK1 in a PINK1â€Parkin independent manner. FASEB Journal, 2020, 34, 6284-6301. | 0.2 | 93 |
| 31 | The vitamin D receptor regulates mitochondrial function in C2C12 myoblasts. American Journal of Physiology - Cell Physiology, 2020, 318, C536-C541. | 2.1 | 42 |
| 32 | High Levels of Physical Activity in Later Life Are Associated With Enhanced Markers of Mitochondrial Metabolism. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1481-1487. | 1.7 | 12 |
| 33 | PPARÎ±-independent effects of nitrate supplementation on skeletal muscle metabolism in hypoxia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 844-853. | 1.8 | 13 |
| 34 | Nicotinamide Riboside Augments the Aged Human Skeletal Muscle NAD+ Metabolome and Induces Transcriptomic and Anti-inflammatory Signatures. Cell Reports, 2019, 28, 1717-1728.e6. | 2.9 | 253 |
| 35 | Molecular regulation of human skeletal muscle protein synthesis in response to exercise and nutrients: a compass for overcoming age-related anabolic resistance. American Journal of Physiology - Cell Physiology, 2019, 317, C1061-C1078. | 2.1 | 47 |
| 36 | Differential responses of myoblasts and myotubes to photobiomodulation are associated with mitochondrial number. Journal of Biophotonics, 2019, 12, e201800411. | 1.1 | 17 |

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|---|---|---|---|
| 37 | Graded reductions in preexercise muscle glycogen impair exercise capacity but do not augment skeletal muscle cell signaling: implications for CHO periodization. Journal of Applied Physiology, 2019, 126, 1587-1597. | 1.2 | 31 |
| 38 | One Week of Step Reduction Lowers Myofibrillar Protein Synthesis Rates in Young Men. Medicine and Science in Sports and Exercise, 2019, 51, 2125-2134. | 0.2 | 37 |
| 39 | The Importance of mTOR Trafficking for Human Skeletal Muscle Translational Control. Exercise and Sport Sciences Reviews, 2019, 47, 46-53. | 1.6 | 41 |
| 40 | Postexercise skeletal muscle signaling responses to moderate- to high-intensity steady-state exercise in the fed or fasted state. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E230-E238. | 1.8 | 27 |
| 41 | Properties of the vastus lateralis muscle in relation to age and physiological function in master cyclists aged 55â€“79Âyears. Aging Cell, 2018, 17, e12735. | 3.0 | 58 |
| 42 | Translocation and protein complex co-localization of mTOR is associated with postprandial myofibrillar protein synthesis at rest and after endurance exercise. Physiological Reports, 2018, 6, e13628. | 0.7 | 40 |
| 43 | SIRT1 regulates nuclear number and domain size in skeletal muscle fibers. Journal of Cellular Physiology, 2018, 233, 7157-7163. | 2.0 | 26 |
| 44 | Impact of the calcium form of Î²-hydroxy-Î²-methylbutyrate upon human skeletal muscle protein metabolism. Clinical Nutrition, 2018, 37, 2068-2075. | 2.3 | 48 |
| 45 | Characterisation of L-Type Amino Acid Transporter 1 (LAT1) Expression in Human Skeletal Muscle by Immunofluorescent Microscopy. Nutrients, 2018, 10, 23. | 1.7 | 36 |
| 46 | Lipid remodeling and an altered membrane-associated proteome may drive the differential effects of EPA and DHA treatment on skeletal muscle glucose uptake and protein accretion. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E605-E619. | 1.8 | 32 |
| 47 | The Effect of Vancomycin and Gentamicin Antibiotics on Human Osteoblast Proliferation, Metabolic Function, and Bone Mineralization. Spine, 2017, 42, 202-207. | 1.0 | 33 |
| 48 | DNA-PK Promotes the Mitochondrial, Metabolic, and Physical Decline that Occurs During Aging. Cell Metabolism, 2017, 25, 1135-1146.e7. | 7.2 | 92 |
| 49 | Specific Sirt1 Activator-mediated Improvement in Glucose Homeostasis Requires Sirt1-Independent Activation of AMPK. EBioMedicine, 2017, 18, 128-138. | 2.7 | 30 |
| 50 | Differential localization and anabolic responsiveness of mTOR complexes in human skeletal muscle in response to feeding and exercise. American Journal of Physiology - Cell Physiology, 2017, 313, C604-C611. | 2.1 | 45 |
| 51 | Exercise and high-fat feeding remodel transcript-metabolite interactive networks in mouse skeletal muscle. Scientific Reports, 2017, 7, 13485. | 1.6 | 16 |
| 52 | Muscle-specific knockout of general control of amino acid synthesis 5 (GCN5) does not enhance basal or endurance exercise-induced mitochondrial adaptation. Molecular Metabolism, 2017, 6, 1574-1584. | 3.0 | 17 |
| 53 | Resistance exercise initiates mechanistic target of rapamycin (mTOR) translocation and protein complex co-localisation in human skeletal muscle. Scientific Reports, 2017, 7, 5028. | 1.6 | 86 |
| 54 | Overload-mediated skeletal muscle hypertrophy is not impaired by loss of myofiber STAT3. American Journal of Physiology - Cell Physiology, 2017, 313, C257-C261. | 2.1 | 8 |

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|---|---|---|---|
| 55 | 11Î²-HSD1 Modulates the Set Point of Brown Adipose Tissue Response to Glucocorticoids in Male Mice. Endocrinology, 2017, 158, 1964-1976. | 1.4 | 26 |
| 56 | Branched-Chain Amino Acid Ingestion Stimulates Muscle Myofibrillar Protein Synthesis following Resistance Exercise in Humans. Frontiers in Physiology, 2017, 8, 390. | 1.3 | 97 |
| 57 | Skeletal Muscle Fibre-Specific Knockout of p53 Does Not Reduce Mitochondrial Content or Enzyme Activity. Frontiers in Physiology, 2017, 8, 941. | 1.3 | 18 |
| 58 | Nicotinamide riboside kinases display redundancy in mediating nicotinamide mononucleotide and nicotinamide riboside metabolism in skeletal muscle cells. Molecular Metabolism, 2017, 6, 819-832. | 3.0 | 96 |
| 59 | Povidone-Iodine Has a Profound Effect on In Vitro Osteoblast Proliferation and Metabolic Function and Inhibits Their Ability to Mineralize and Form Bone. Spine, 2016, 41, 729-734. | 1.0 | 20 |
| 60 | Short interâ€set rest blunts resistance exerciseâ€induced increases in myofibrillar protein synthesis and intracellular signalling in young males. Experimental Physiology, 2016, 101, 866-882. | 0.9 | 44 |
| 61 | Fuel for the work required: a practical approach to amalgamating train-low paradigms for endurance athletes. Physiological Reports, 2016, 4, e12803. | 0.7 | 79 |
| 62 | Skeletal muscle homeostasis and plasticity in youth and ageing: impact of nutrition and exercise. Acta Physiologica, 2016, 216, 15-41. | 1.8 | 122 |
| 63 | Live strong and prosper: the importance of skeletal muscle strength for healthy ageing. Biogerontology, 2016, 17, 497-510. | 2.0 | 164 |
| 64 | New strategies in sport nutrition to increase exercise performance. Free Radical Biology and Medicine, 2016, 98, 144-158. | 1.3 | 132 |
| 65 | p300 is not required for metabolic adaptation to endurance exercise training. FASEB Journal, 2016, 30, 1623-1633. | 0.2 | 21 |
| 66 | Maternal obesity reduces oxidative capacity in fetal skeletal muscle of Japanese macaques. JCI Insight, 2016, 1, e86612. | 2.3 | 58 |
| 67 | Regulation of skeletal muscle mitochondrial function by nuclear receptors: implications for health and disease. Clinical Science, 2015, 129, 589-599. | 1.8 | 26 |
| 68 | Rapamycin does not prevent increases in myofibrillar or mitochondrial protein synthesis following endurance exercise. Journal of Physiology, 2015, 593, 4275-4284. | 1.3 | 54 |
| 69 | Utilizing small nutrient compounds as enhancers of exercise-induced mitochondrial biogenesis. Frontiers in Physiology, 2015, 6, 296. | 1.3 | 25 |
| 70 | Nutritional strategies to support concurrent training. European Journal of Sport Science, 2015, 15, 41-52. | 1.4 | 45 |
| 71 | Molecular brakes regulating mTORC1 activation in skeletal muscle following synergist ablation. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E365-E373. | 1.8 | 38 |
| 72 | Application of the [Î³-<sup>32</sup>P] ATP kinase assay to study anabolic signaling in human skeletal muscle. Journal of Applied Physiology, 2014, 116, 504-513. | 1.2 | 34 |

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|---|---|---|---|
| 73 | Understanding the acetylome: translating targeted proteomics into meaningful physiology. American Journal of Physiology - Cell Physiology, 2014, 307, C763-C773. | 2.1 | 36 |
| 74 | Maintenance of muscle mass and loadâ€induced growth in Muscle <scp>RING</scp> Finger 1 null mice with age. Aging Cell, 2014, 13, 92-101. | 3.0 | 92 |
| 75 | High-fat diet-induced impairment of skeletal muscle insulin sensitivity is not prevented by SIRT1 overexpression. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E764-E772. | 1.8 | 38 |
| 76 | Differential regulation of myofibrillar and mitochondrial protein synthesis following acute endurance exercise (702.3). FASEB Journal, 2014, 28, 702.3. | 0.2 | 1 |
| 77 | Pathophysiological relevance of the cardiac Î²2-adrenergic receptor and its potential as a therapeutic target to improve cardiac function. European Journal of Pharmacology, 2013, 698, 39-47. | 1.7 | 20 |
| 78 | Unraveling the Complexities of SIRT1-Mediated Mitochondrial Regulation in Skeletal Muscle. Exercise and Sport Sciences Reviews, 2013, 41, 174-181. | 1.6 | 37 |
| 79 | Glycogen Content Regulates Peroxisome Proliferator Activated Receptor-âˆ, (PPAR-âˆ,) Activity in Rat Skeletal Muscle. PLoS ONE, 2013, 8, e77200. | 1.1 | 36 |
| 80 | Resveratrol Ameliorates Aging-Related Metabolic Phenotypes by Inhibiting cAMP Phosphodiesterases. Cell, 2012, 148, 421-433. | 13.5 | 1,162 |
| 81 | Supplementation of a suboptimal protein dose with leucine or essential amino acids: effects on myofibrillar protein synthesis at rest and following resistance exercise in men. Journal of Physiology, 2012, 590, 2751-2765. | 1.3 | 241 |
| 82 | Attenuated<i>Pik3r1</i>Expression Prevents Insulin Resistance and Adipose Tissue Macrophage Accumulation in Diet-Induced Obese Mice. Diabetes, 2012, 61, 2495-2505. | 0.3 | 47 |
| 83 | Commentaries on Viewpoint: Does SIRT1 determine exercise-induced skeletal muscle mitochondrial biogenesis: differences between in vitro and in vivo experiments?. Journal of Applied Physiology, 2012, 112, 929-930. | 1.2 | 2 |
| 84 | Fine-tuning metabolismâ€"how products of contraction regulate skeletal muscle adaptation. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1313-E1314. | 1.8 | 3 |
| 85 | More than a store: regulatory roles for glycogen in skeletal muscle adaptation to exercise. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1343-E1351. | 1.8 | 116 |
| 86 | Sirtuin 1 (SIRT1) Deacetylase Activity Is Not Required for Mitochondrial Biogenesis or Peroxisome Proliferator-activated Receptor-Î³ Coactivator-1Î± (PGC-1Î±) Deacetylation following Endurance Exercise. Journal of Biological Chemistry, 2011, 286, 30561-30570. | 1.6 | 156 |
| 87 | Regulation of contractility and metabolic signaling by the Î²2-adrenergic receptor in rat ventricular muscle. Life Sciences, 2011, 88, 892-897. | 2.0 | 16 |
| 88 | Signals mediating skeletal muscle remodeling by resistance exercise: PI3-kinase independent activation of mTORC1. Journal of Applied Physiology, 2011, 110, 561-568. | 1.2 | 98 |
| 89 | The influence of carbohydrateâ€"protein coâ€ingestion following endurance exercise on myofibrillar and mitochondrial protein synthesis. Journal of Physiology, 2011, 589, 4011-4025. | 1.3 | 121 |
| 90 | Should Willy Wonka have been a sports nutritionist?. Journal of Physiology, 2011, 589, 4643-4643. | 1.3 | 0 |

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|---|---|---|---|
| 91 | Beneficial Effects of Resistance Exercise on Glycemic Control Are Not Further Improved by Protein Ingestion. PLoS ONE, 2011, 6, e20613. | 1.1 | 21 |
| 92 | The PGC-1Î±-related coactivator promotes mitochondrial and myogenic adaptations in C2C12 myotubes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R864-R872. | 0.9 | 35 |
| 93 | Sirt1 enhances skeletal muscle insulin sensitivity in mice during caloric restriction. Journal of Clinical Investigation, 2011, 121, 4281-4288. | 3.9 | 164 |
| 94 | Glycogen depletion increases peroxisome proliferator activated receptorâ€Î´ (PPARâ€Î´) activity following acute exercise. FASEB Journal, 2011, 25, 1059.8. | 0.2 | 0 |
| 95 | Prolonged activation of S6K1 does not suppress IRS or PI-3 kinase signaling during muscle cell differentiation. BMC Cell Biology, 2010, 11, 37. | 3.0 | 8 |
| 96 | A Limited Role for PI(3,4,5)P3 Regulation in Controlling Skeletal Muscle Mass in Response to Resistance Exercise. PLoS ONE, 2010, 5, e11624. | 1.1 | 60 |
| 97 | Training with Low Muscle Glycogen Enhances Fat Metabolism in Well-Trained Cyclists. Medicine and Science in Sports and Exercise, 2010, 42, 2046-2055. | 0.2 | 150 |
| 98 | The unfolded protein response is activated in skeletal muscle by high-fat feeding: potential role in the downregulation of protein synthesis. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E695-E705. | 1.8 | 134 |
| 99 | Pyruvate suppresses PGC1Î± expression and substrate utilization despite increased respiratory chain content in C2C12 myotubes. American Journal of Physiology - Cell Physiology, 2010, 299, C240-C250. | 2.1 | 19 |
| 100 | A Novel Bioreactor for Stimulating Skeletal Muscle<i>In Vitro</i>. Tissue Engineering - Part C: Methods, 2010, 16, 711-718. | 1.1 | 97 |
| 101 | Clenbuterol increases PGC1a promoter activity via a rapamycin sensitive mechanism. FASEB Journal, 2010, 24, 987.9. | 0.2 | 0 |
| 102 | A single protein meal increases recovery of muscle function following an acute eccentric exercise bout. Applied Physiology, Nutrition and Metabolism, 2008, 33, 483-488. | 0.9 | 35 |
| 103 | Metabolic effects of electrical stimulation in C2C12 myocytes. FASEB Journal, 2008, 22, . | 0.2 | 0 |
| 104 | Precooling leg muscle improves intermittent sprint exercise performance in hot, humid conditions. Journal of Applied Physiology, 2006, 100, 1377-1384. | 1.2 | 127 |
| 105 | Monitoring Exercise-Induced Changes in Glycemic Control in Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2006, 38, 201-207. | 0.2 | 36 |
| 106 | Lactate â€“ a signal coordinating cell and systemic function. Journal of Experimental Biology, 2005, 208, 4561-4575. | 0.8 | 262 |