# David Hamilton

List of Publications by Year
in descending order



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|---|---|---|---|
| 71 papers | 5,900 citations | 147566 31 h-index | 98622 67 g-index |
| 73 all docs | 73 docs citations | 73 times ranked | 12655 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Elevated arousal following acute ammonia inhalation is not associated with increased neuromuscular performance. European Journal of Sport Science, 2022, 22, 1391-1400. | 1.4 | 5 |
| 2 | Minimal-Dose Resistance Training for Improving Muscle Mass, Strength, and Function: A Narrative Review of Current Evidence and Practical Considerations. Sports Medicine, 2022, 52, 463-479. | 3.1 | 42 |
| 3 | Towards an improved understanding of proximity-to-failure in resistance training and its influence on skeletal muscle hypertrophy, neuromuscular fatigue, muscle damage, and perceived discomfort: A scoping review. Journal of Sports Sciences, 2022, 40, 1369-1391. | 1.0 | 12 |
| 4 | Is vascular insulin resistance an early step in diet-induced whole-body insulin resistance?. Nutrition and Diabetes, 2022, 12, . | 1.5 | 6 |
| 5 | Farmed Mussels: A Nutritive Protein Source, Rich in Omega-3 Fatty Acids, with a Low Environmental Footprint. Nutrients, 2021, 13, 1124. | 1.7 | 22 |
| 6 | Influence of resistance training load on measures of skeletal muscle hypertrophy and improvements in maximal strength and neuromuscular task performance: A systematic review and meta-analysis. Journal of Sports Sciences, 2021, 39, 1723-1745. | 1.0 | 12 |
| 7 | Protein Requirements of Pre-Menopausal Female Athletes: Systematic Literature Review. Nutrients, 2020, 12, 3527. | 1.7 | 14 |
| 8 | 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 |
| 9 | Human skeletal muscle metabolic responses to 6 days of highâ€fat overfeeding are associated with dietary nâ€3PUFA content and muscle oxidative capacity. Physiological Reports, 2020, 8, e14529. | 0.7 | 4 |
| 10 | Mussel Consumption as a â€œFood Firstâ€•Approach to Improve Omega-3 Status. Nutrients, 2019, 11, 1381. | 1.7 | 27 |
| 11 | Skipping Breakfast Before Exercise Creates a More Negative 24-hour Energy Balance: A Randomized Controlled Trial in Healthy Physically Active Young Men. Journal of Nutrition, 2019, 149, 1326-1334. | 1.3 | 14 |
| 12 | Influence of Fish Oil-Derived n-3 Fatty Acid Supplementation on Changes in Body Composition and Muscle Strength During Short-Term Weight Loss in Resistance-Trained Men. Frontiers in Nutrition, 2019, 6, 102. | 1.6 | 11 |
| 13 | Spinal cordâ€level adaptations to resistance training: the â€˜backboneâ€™ of early strength gains?. Journal of Physiology, 2019, 597, 2833-2834. | 1.3 | 0 |
| 14 | Sleep Profiles of Elite Swimmers During Different Training Phases. Journal of Strength and Conditioning Research, 2019, 33, 811-818. | 1.0 | 8 |
| 15 | Tensiomyography Derived Parameters Reflect Skeletal Muscle Architectural Adaptations Following 6-Weeks of Lower Body Resistance Training. Frontiers in Physiology, 2019, 10, 1493. | 1.3 | 25 |
| 16 | Stimuli and sensors that initiate skeletal muscle hypertrophy following resistance exercise. Journal of Applied Physiology, 2019, 126, 30-43. | 1.2 | 180 |
| 17 | Influence of the â€œSlingshotâ€•Bench Press Training Aid on Bench Press Kinematics and Neuromuscular Activity in Competitive Powerlifters. Journal of Strength and Conditioning Research, 2019, 33, 327-336. | 1.0 | 10 |
| 18 | The BACE1 product sAPPÎ² induces ER stress and inflammation and impairs insulin signaling. Metabolism: Clinical and Experimental, 2018, 85, 59-75. | 1.5 | 26 |

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|---|---|---|---|
| 19 | Assessing the Role of Muscle Protein Breakdown in Response to Nutrition and Exercise in Humans. Sports Medicine, 2018, 48, 53-64. | 3.1 | 100 |
| 20 | Whey Protein Augments Leucinemia and Postexercise p70S6K1 Activity Compared With a Hydrolyzed Collagen Blend When in Recovery From Training With Low Carbohydrate Availability. International Journal of Sport Nutrition and Exercise Metabolism, 2018, 28, 651-659. | 1.0 | 6 |
| 21 | Preexercise breakfast ingestion versus extended overnight fasting increases postprandial glucose flux after exercise in healthy men. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E1062-E1074. | 1.8 | 34 |
| 22 | 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 |
| 23 | Changes in Body Composition and Performance With Supplemental HMBâ€FA+ATP. Journal of Strength and Conditioning Research, 2017, 31, e71-e72. | 1.0 | 16 |
| 24 | Multiple AMPK activators inhibit<scp>l</scp>-carnitine uptake in C2C12 skeletal muscle myotubes. American Journal of Physiology - Cell Physiology, 2017, 312, C689-C696. | 2.1 | 10 |
| 25 | 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 |
| 26 | Skeletal muscle insulin signaling and wholeâ€body glucose metabolism following acute sleep restriction in healthy males. Physiological Reports, 2017, 5, e13498. | 0.7 | 18 |
| 27 | 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 |
| 28 | 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 |
| 29 | Leisure time sedentary behavior, physical activity and frequency of protein consumption on lower extremity strength and lean mass. European Journal of Clinical Nutrition, 2017, 71, 1399-1404. | 1.3 | 12 |
| 30 | Sex differences in the effect of fish-oil supplementation on the adaptive response to resistance exercise training in older people: a randomized controlled trial. American Journal of Clinical Nutrition, 2017, 105, 151-158. | 2.2 | 141 |
| 31 | Postexercise High-Fat Feeding Suppresses p70S6K1 Activity in Human Skeletal Muscle. Medicine and Science in Sports and Exercise, 2016, 48, 2108-2117. | 0.2 | 26 |
| 32 | Fuel for the work required: a practical approach to amalgamating train-low paradigms for endurance athletes. Physiological Reports, 2016, 4, e12803. | 0.7 | 79 |
| 33 | The Hippo signal transduction network for exercise physiologists. Journal of Applied Physiology, 2016, 120, 1105-1117. | 1.2 | 32 |
| 34 | Chronic exposure to KATP channel openers results in attenuated glucose sensing in hypothalamic GT1-7 neurons. Neuropharmacology, 2016, 111, 212-222. | 2.0 | 4 |
| 35 | The response of muscle protein synthesis following wholeâ€body resistance exercise is greater following 40Âg than 20Âg of ingested whey protein. Physiological Reports, 2016, 4, e12893. | 0.7 | 144 |
| 36 | Signaling Responses After Varying Sequencing of Strength and Endurance Training in a Fed State. International Journal of Sports Physiology and Performance, 2016, 11, 868-875. | 1.1 | 12 |

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|---|---|---|---|
| 37 | Live strong and prosper: the importance of skeletal muscle strength for healthy ageing. Biogerontology, 2016, 17, 497-510. | 2.0 | 164 |
| 38 | Fish oil supplementation suppresses resistance exercise and feeding-induced increases in anabolic signaling without affecting myofibrillar protein synthesis in young men. Physiological Reports, 2016, 4, e12715. | 0.7 | 72 |
| 39 | Growing older with health and vitality: a nexus of physical activity, exercise and nutrition. Biogerontology, 2016, 17, 529-546. | 2.0 | 66 |
| 40 | New strategies in sport nutrition to increase exercise performance. Free Radical Biology and Medicine, 2016, 98, 144-158. | 1.3 | 132 |
| 41 | Rapamycin does not prevent increases in myofibrillar or mitochondrial protein synthesis following endurance exercise. Journal of Physiology, 2015, 593, 4275-4284. | 1.3 | 54 |
| 42 | Omega-3 Fatty Acids and Skeletal Muscle Health. Marine Drugs, 2015, 13, 6977-7004. | 2.2 | 134 |
| 43 | BACE1 activity impairs neuronal glucose oxidation: rescue by beta-hydroxybutyrate and lipoic acid. Frontiers in Cellular Neuroscience, 2015, 9, 382. | 1.8 | 19 |
| 44 | Resistance exercise-induced S6K1 kinase activity is not inhibited in human skeletal muscle despite prior activation of AMPK by high-intensity interval cycling. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E470-E481. | 1.8 | 60 |
| 45 | Leucine does not affect mechanistic target of rapamycin complex 1 assembly but is required for maximal ribosomal protein s6 kinase 1 activity in human skeletal muscle following resistance exercise. FASEB Journal, 2015, 29, 4358-4373. | 0.2 | 34 |
| 46 | Nutritional strategies to support concurrent training. European Journal of Sport Science, 2015, 15, 41-52. | 1.4 | 45 |
| 47 | 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 |
| 48 | 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 |
| 49 | Temporal changes in human skeletal muscle and blood lipid composition with fish oil supplementation. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 90, 199-206. | 1.0 | 96 |
| 50 | 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 |
| 51 | Altered amyloid precursor protein processing regulates glucose uptake and oxidation in cultured rodent myotubes. Diabetologia, 2014, 57, 1684-1692. | 2.9 | 16 |
| 52 | Kv1.3 inhibitors have differential effects on glucose uptake and AMPK activity in skeletal muscle cell lines and mouse ex vivo skeletal muscle. Journal of Physiological Sciences, 2014, 64, 13-20. | 0.9 | 9 |
| 53 | Skeletal muscle-specific overexpression of SIRT1 does not enhance whole-body energy expenditure or insulin sensitivity in young mice. Diabetologia, 2013, 56, 1629-1637. | 2.9 | 40 |
| 54 | Six weeks of a polarized training-intensity distribution leads to greater physiological and performance adaptations than a threshold model in trained cyclists. Journal of Applied Physiology, 2013, 114, 461-471. | 1.2 | 79 |

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|---|---|---|---|
| 55 | Anorexigenic and Orexigenic Hormone Modulation of Mammalian Target of Rapamycin Complex 1 Activity and the Regulation of Hypothalamic Agouti-Related Protein mRNA Expression. NeuroSignals, 2013, 21, 28-41. | 0.5 | 2,288 |
| 56 | Inhibition of Myostatin Signaling through Notch Activation following Acute Resistance Exercise. PLoS ONE, 2013, 8, e68743. | 1.1 | 53 |
| 57 | Can AMPK mediated suppression of mTORC1 explain the concurrent training effect?. Cellular and Molecular Exercise Physiology, 2013, 2, . | 0.7 | 12 |
| 58 | Reduction in BACE1 decreases body weight, protects against diet-induced obesity and enhances insulin sensitivity in mice. Biochemical Journal, 2012, 441, 285-296. | 1.7 | 96 |
| 59 | Cellular Responses to the Metal-Binding Properties of Metformin. Diabetes, 2012, 61, 1423-1433. | 0.3 | 85 |
| 60 | Mouse hypothalamic GT1-7 cells demonstrate AMPK-dependent intrinsic glucose-sensing behaviour. Diabetologia, 2012, 55, 2432-2444. | 2.9 | 57 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | mVps34 is activated following highâ€resistance contractions. Journal of Physiology, 2009, 587, 253-260. | 1.3 | 80 |
| 66 | Muscle growth: no IGFs, ands, or buts. Journal of Physiology, 2008, 586, 5-6. | 1.3 | 8 |
| 67 | Modulation of Insulin Signaling via Resistance Exercise. FASEB Journal, 2008, 22, 959.21. | 0.2 | 0 |
| 68 | mVps34 is Activated by an Acute Bout of Resistance Exercise. FASEB Journal, 2008, 22, 959.23. | 0.2 | 0 |
| 69 | Myogenic gene expression signature establishes that brown and white adipocytes originate from distinct cell lineages. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4401-4406. | 3.3 | 637 |
| 70 | mVps34 is activated by an acute bout of resistance exercise. Biochemical Society Transactions, 2007, 35, 1314-1316. | 1.6 | 30 |
| 71 | Activation of S6K1 during myoblast differentiation inhibits the formation of myotubes independent of IRSâ€1. FASEB Journal, 2006, 20, A820. | 0.2 | 0 |