# Leigh Breen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/799012/publications.pdf

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| 80 | 7,608 | 109321 | 76900 |
|---|---|---|---|
| papers | citations | 35 h-index | 74 g-index |

| 82 | 82 | 82 | 10917 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dietary protein requirements and recommendations for healthy older adults: a critical narrative review of the scientific evidence. Nutrition Research Reviews, 2023, 36, 69-85. | 4.1 | 10 |
| 2 | The Effect of Ex Vivo Human Serum from Liver Disease Patients on Cellular Protein Synthesis and Growth. Cells, 2022, 11, 1098. | 4.1 | 5 |
| 3 | The Impact of Slice Interval and Equation on the Accuracy of Magnetic Resonance Image Estimation of Quadriceps Muscle Volume in End Stage Liver Disease. Frontiers in Rehabilitation Sciences, 2022, 3, . | 1.2 | 2 |
| 4 | 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, . | 1.7 | 4 |
| 5 | Sarcopenia in chronic liver disease: mechanisms and countermeasures. American Journal of Physiology - Renal Physiology, 2021, 320, G241-G257. | 3.4 | 33 |
| 6 | Enhanced Cycling Time-Trial Performance During Multiday Exercise With Higher-Pressure Compression Garment Wear. International Journal of Sports Physiology and Performance, 2021, 16, 287-295. | 2.3 | 4 |
| 7 | Protein Source and Quality for Skeletal Muscle Anabolism in Young and Older Adults: A Systematic Review and Meta-Analysis. Journal of Nutrition, 2021, 151, 1901-1920. | 2.9 | 17 |
| 8 | The role of protein hydrolysates for exercise-induced skeletal muscle recovery and adaptation: a current perspective. Nutrition and Metabolism, 2021, 18, 44. | 3.0 | 16 |
| 9 | Daily Myofibrillar Protein Synthesis Rates in Response to Low- and High-Frequency Resistance Exercise Training in Healthy, Young Men. International Journal of Sport Nutrition and Exercise Metabolism, 2021, 31, 209-216. | 2.1 | 2 |
| 10 | Efficacy of Dietary and Supplementation Interventions for Individuals with Type 2 Diabetes. Nutrients, 2021, 13, 2378. | 4.1 | 12 |
| 11 | The effect of young and old ex vivo human serum on cellular protein synthesis and growth in an in vitro model of aging. American Journal of Physiology - Cell Physiology, 2021, 321, C26-C37. | 4.6 | 12 |
| 12 | 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. | 2.5 | 5 |
| 13 | 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. | 7.3 | 28 |
| 14 | Short-term step reduction reduces citrate synthase activity without altering skeletal muscle markers of oxidative metabolism or insulin-mediated signaling in young males. Journal of Applied Physiology, 2021, 131, 1653-1662. | 2.5 | 5 |
| 15 | Feasibility, Efficacy, and Safety of Percutaneous Muscle Biopsies in Patients With Chronic Liver Disease. Frontiers in Physiology, 2021, 12, 817152. | 2.8 | 1 |
| 16 | Evaluation of the mechanisms of sarcopenia in chronic inflammatory disease: protocol for a prospective cohort study. Skeletal Muscle, 2021, 11, 27. | 4.2 | 5 |
| 17 | Superior Aerobic Capacity and Indices of Skeletal Muscle Morphology in Chronically Trained Master Endurance Athletes Compared With Untrained Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1079-1088. | 3.6 | 22 |
| 18 | Pre-Sleep Casein Protein Ingestion Does Not Impact Next-Day Appetite, Energy Intake and Metabolism in Older Individuals. Nutrients, 2020, 12, 90. | 4.1 | 8 |

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|---|---|---|---|
| 19 | Proteinâ€carbohydrate ingestion alters Vps34 cellular localization independent of changes in kinase activity in human skeletal muscle. Experimental Physiology, 2020, 105, 2178-2189. | 2.0 | 7 |
| 20 | 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. | 4.7 | 24 |
| 21 | Exploring the Impact of Obesity on Skeletal Muscle Function in Older Age. Frontiers in Nutrition, 2020, 7, 569904. | 3.7 | 44 |
| 22 | 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. | 4.6 | 8 |
| 23 | Quadriceps muscle electromyography activity during physical activities and resistance exercise modes in younger and older adults. Experimental Gerontology, 2020, 136, 110965. | 2.8 | 9 |
| 24 | Amount, Source and Pattern of Dietary Protein Intake Across the Adult Lifespan: A Cross-Sectional Study. Frontiers in Nutrition, 2020, 7, 25. | 3.7 | 43 |
| 25 | PHD1 controls muscle mTORC1 in a hydroxylation-independent manner by stabilizing leucyl tRNA synthetase. Nature Communications, 2020, 11, 174. | 12.8 | 1,868 |
| 26 | Dairy foods and maintenance of muscle mass in the elderly. , 2020, , 371-405. | | 0 |
| 27 | Nutritional Strategies to Offset Disuse-Induced Skeletal Muscle Atrophy and Anabolic Resistance in Older Adults: From Whole-Foods to Isolated Ingredients. Nutrients, 2020, 12, 1533. | 4.1 | 31 |
| 28 | The effect of acute oral phosphatidic acid ingestion on myofibrillar protein synthesis and intracellular signaling in older males. Clinical Nutrition, 2019, 38, 1423-1432. | 5.0 | 10 |
| 29 | Comparable Rates of Integrated Myofibrillar Protein Synthesis Between Endurance-Trained Master Athletes and Untrained Older Individuals. Frontiers in Physiology, 2019, 10, 1084. | 2.8 | 16 |
| 30 | Enhanced Recovery of Cycling Performance with High Compression Garment Wear. Medicine and Science in Sports and Exercise, 2019, 51, 650-650. | 0.4 | 0 |
| 31 | Dose-Response Relationship of Weekly Resistance-Training Volume and Frequency on Muscular Adaptations in Trained Men. International Journal of Sports Physiology and Performance, 2019, 14, 360-368. | 2.3 | 22 |
| 32 | Vaspin promotes insulin sensitivity in elderly muscle and is upregulated in obesity. Journal of Endocrinology, 2019, 241, 31-43. | 2.6 | 30 |
| 33 | A small dose of whey protein co-ingested with mixed-macronutrient breakfast and lunch meals improves postprandial glycemia and suppresses appetite in men with type 2 diabetes: a randomized controlled trial. American Journal of Clinical Nutrition, 2018, 107, 550-557. | 4.7 | 50 |
| 34 | Muscle morphology and performance in master athletes: A systematic review and meta-analyses. Ageing Research Reviews, 2018, 45, 62-82. | 10.9 | 67 |
| 35 | Skeletal muscle <scp>IL</scp>â€15/<scp>IL</scp>â€15RÎ± and myofibrillar protein synthesis after resistance exercise. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 116-125. | 2.9 | 48 |
| 36 | The challenges of muscle biopsy in a community based geriatric population. BMC Research Notes, 2018, 11, 830. | 1.4 | 20 |

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|---|---|---|---|
| 37 | Characterisation of L-Type Amino Acid Transporter 1 (LAT1) Expression in Human Skeletal Muscle by Immunofluorescent Microscopy. Nutrients, 2018, 10, 23. | 4.1 | 36 |
| 38 | Age-Related Anabolic Resistance of Myofibrillar Protein Synthesis Is Exacerbated in Obese Inactive Individuals. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3535-3545. | 3.6 | 84 |
| 39 | Overload-mediated skeletal muscle hypertrophy is not impaired by loss of myofiber STAT3. American Journal of Physiology - Cell Physiology, 2017, 313, C257-C261. | 4.6 | 8 |
| 40 | 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. | 2.0 | 44 |
| 41 | Does the muscle protein synthetic response to exercise and amino acid-based nutrition diminish with advancing age? A systematic review. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E803-E817. | 3.5 | 82 |
| 42 | Live strong and prosper: the importance of skeletal muscle strength for healthy ageing. Biogerontology, 2016, 17, 497-510. | 3.9 | 164 |
| 43 | Myofibrillar Protein Synthesis Following Ingestion of Soy Protein Isolate at Rest and After Resistance Exercise in Elderly Men. , 2016, , 105-126. | | 0 |
| 44 | Exercising Our Brains, Muscles and Cells to Fight the Ageing Process. Science Progress, 2015, 98, 413-415. | 1.9 | 0 |
| 45 | Rapamycin does not prevent increases in myofibrillar or mitochondrial protein synthesis following endurance exercise. Journal of Physiology, 2015, 593, 4275-4284. | 2.9 | 54 |
| 46 | Low-load resistance training during step-reduction attenuates declines in muscle mass and strength and enhances anabolic sensitivity in older men. Physiological Reports, 2015, 3, e12493. | 1.7 | 77 |
| 47 | The mechanistic and ergogenic effects of phosphatidic acid in skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2015, 40, 1233-1241. | 1.9 | 22 |
| 48 | Whey Protein Supplementation Preserves Postprandial Myofibrillar Protein Synthesis during Short-Term Energy Restriction in Overweight and Obese Adults. Journal of Nutrition, 2015, 145, 246-252. | 2.9 | 91 |
| 49 | Protein Ingestion to Stimulate Myofibrillar Protein Synthesis Requires Greater Relative Protein Intakes in Healthy Older Versus Younger Men. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 57-62. | 3.6 | 558 |
| 50 | Alterations in human muscle protein metabolism with aging: Protein and exercise as countermeasures to offset sarcopenia. BioFactors, 2014, 40, 199-205. | 5.4 | 88 |
| 51 | Influence of exercise intensity on training-induced tendon mechanical properties changes in older individuals. Age, 2014, 36, 9657. | 3.0 | 31 |
| 52 | Temporal changes in human skeletal muscle and blood lipid composition with fish oil supplementation. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 90, 199-206. | 2.2 | 96 |
| 53 | Myofibrillar muscle protein synthesis rates subsequent to a meal in response to increasing doses of whey protein at rest and after resistance exercise. American Journal of Clinical Nutrition, 2014, 99, 86-95. | 4.7 | 385 |
| 54 | Influence of aerobic exercise intensity on myofibrillar and mitochondrial protein synthesis in young men during early and late postexercise recovery. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1025-E1032. | 3.5 | 107 |

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|---|---|---|---|
| 55 | Leucine supplementation of a low-protein mixed macronutrient beverage enhances myofibrillar protein synthesis in young men: a double-blind, randomized trial. American Journal of Clinical Nutrition, 2014, 99, 276-286. | 4.7 | 234 |
| 56 | Differential regulation of myofibrillar and mitochondrial protein synthesis following acute endurance exercise (702.3). FASEB Journal, 2014, 28, 702.3. | 0.5 | 1 |
| 57 | Dose-dependent responses of myofibrillar protein synthesis with beef ingestion are enhanced with resistance exercise in middle-aged men. Applied Physiology, Nutrition and Metabolism, 2013, 38, 120-125. | 1.9 | 91 |
| 58 | Interactions between exercise and nutrition to prevent muscle waste during ageing. British Journal of Clinical Pharmacology, 2013, 75, 708-715. | 2.4 | 63 |
| 59 | Two Weeks of Reduced Activity Decreases Leg Lean Mass and Induces â€œAnabolic Resistanceâ€•of Myofibrillar Protein Synthesis in Healthy Elderly. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2604-2612. | 3.6 | 306 |
| 60 | Effects of leucine and its metabolite Î²â€hydroxyâ€Î²â€methylbutyrate on human skeletal muscle protein metabolism. Journal of Physiology, 2013, 591, 2911-2923. | 2.9 | 372 |
| 61 | Nutrient interaction for optimal protein anabolism in resistance exercise. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 226-232. | 2.5 | 29 |
| 62 | A to Z of nutritional supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performanceâ€”Part 32. British Journal of Sports Medicine, 2012, 46, 454-456. | 6.7 | 2 |
| 63 | Resistance exercise load does not determine training-mediated hypertrophic gains in young men. Journal of Applied Physiology, 2012, 113, 71-77. | 2.5 | 490 |
| 64 | Leucine: a nutrient â€˜triggerâ€™ for muscle anabolism, but what more?. Journal of Physiology, 2012, 590, 2065-2066. | 2.9 | 31 |
| 65 | Myofibrillar protein synthesis following ingestion of soy protein isolate at rest and after resistance exercise in elderly men. Nutrition and Metabolism, 2012, 9, 57. | 3.0 | 217 |
| 66 | Resistance exercise enhances myofibrillar protein synthesis with graded intakes of whey protein in older men. British Journal of Nutrition, 2012, 108, 1780-1788. | 2.3 | 379 |
| 67 | Activation of mTOR signalling in young and old human skeletal muscle in response to combined resistance exercise and whey protein ingestion. Applied Physiology, Nutrition and Metabolism, 2012, 37, 21-30. | 1.9 | 66 |
| 68 | Beneficial Effects of Resistance Exercise on Glycemic Control are not Further Improved by Protein Ingestion. Medicine and Science in Sports and Exercise, 2011, 43, 593. | 0.4 | 0 |
| 69 | No role for early IGFâ€1 signalling in stimulating acute â€˜muscle buildingâ€™ responses. Journal of Physiology, 2011, 589, 2667-2668. | 2.9 | 3 |
| 70 | The influence of carbohydrateâ€“protein coâ€ingestion following endurance exercise on myofibrillar and mitochondrial protein synthesis. Journal of Physiology, 2011, 589, 4011-4025. | 2.9 | 121 |
| 71 | Skeletal muscle protein metabolism in the elderly: Interventions to counteract the 'anabolic resistance' of ageing. Nutrition and Metabolism, 2011, 8, 68. | 3.0 | 372 |
| 72 | Beneficial Effects of Resistance Exercise on Glycemic Control Are Not Further Improved by Protein Ingestion. PLoS ONE, 2011, 6, e20613. | 2.5 | 21 |

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|---|---|---|---|
| 73 | Influences of carbohydrate plus amino acid supplementation on differing exercise intensity adaptations in older persons: skeletal muscle and endocrine responses. Age, 2010, 32, 125-138. | 3.0 | 18 |
| 74 | Influence of exercise intensity in older persons with unchanged habitual nutritional intake: skeletal muscle and endocrine adaptations. Age, 2010, 32, 139-153. | 3.0 | 40 |
| 75 | No Effect of Carbohydrate-Protein on Cycling Performance and Indices of Recovery. Medicine and Science in Sports and Exercise, 2010, 42, 1140-1148. | 0.4 | 52 |
| 76 | Tendon structural and mechanical properties do not differ between genders in a healthy communityâ€dwelling elderly population. Journal of Orthopaedic Research, 2009, 27, 820-825. | 2.3 | 43 |
| 77 | Functional benefits of combined resistance training with nutritional interventions in older adults: A review. Geriatrics and Gerontology International, 2007, 7, 326-340. | 1.5 | 8 |
| 78 | The Effects of Growth Hormone and/or Testosterone in Healthy Elderly Men: A Randomized Controlled Trial. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 477-484. | 3.6 | 141 |
| 79 | The Role of the Locus Coeruleus in Corticotropin-Releasing Hormone and Stress-Induced Suppression of Pulsatile Luteinizing Hormone Secretion in the Female Rat. Endocrinology, 2005, 146, 323-331. | 2.8 | 53 |
| 80 | Effect of Growth Hormone (GH) on Glycerol and Free Fatty Acid Metabolism during Exhaustive Exercise in GH-Deficient Adults. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 1792-1797. | 3.6 | 40 |