Luc van Loon

List of Publications by Year in Descending Order

461 papers	25,120 citations	86 h-index	137 g-index
499 ext. papers	29,405 ext. citations	4.7 avg, IF	7.29 L-index

#	Paper	IF	Citations
461	Cheese Ingestion Increases Muscle Protein Synthesis Rates Both at Rest and During Recovery from Exercise in Healthy, Young Males: A Randomized Parallel-group Trial.. *Journal of Nutrition*, **2022**,	4.1	2
460	Exercise-Based Interventions to Counteract Skeletal Muscle Mass Loss in People with Cancer: Can We Overcome the Odds?. *Sports Medicine*, **2022**, 1	10.6	0
459	Relative Validity and Reliability of Isometric Lower Extremity Strength Assessment in Older Adults by Using a Handheld Dynamometer.. *Sports Health*, **2022**, 19417381211063847	4.7	1
458	Impact of magnesium on bone health in older adults: A systematic review and meta-analysis. *Bone*, **2022**, 154, 116233	4.7	3
457	Myofibrillar protein synthesis rates are increased in chronically exercised skeletal muscle despite decreased anabolic signaling.. *Scientific Reports*, **2022**, 12, 7553	4.9	0
456	The impact of beetroot juice supplementation on muscular endurance, maximal strength and countermovement jump performance. *European Journal of Sport Science*, **2021**, 21, 871-878	3.9	10
455	L-arabinose co-ingestion delays glucose absorption derived from sucrose in healthy men and women: a double-blind, randomised crossover trial. *British Journal of Nutrition*, **2021**, 1-10	3.6	2
454	Hepatic Steatosis Contributes to the Development of Muscle Atrophy Inter-Organ Crosstalk. *Frontiers in Endocrinology*, **2021**, 12, 733625	5.7	
453	A White Paper on Collagen Hydrolyzates and Ultrahydrolyzates: Potential Supplements to Support Joint Health in Osteoarthritis?. *Current Rheumatology Reports*, **2021**, 23, 78	4.9	3
452	Dietary protein interventions to improve nutritional status in end-stage renal disease patients undergoing hemodialysis. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2021**, 24, 79-87	3.8	3
451	Undeclared Doping Substances are Highly Prevalent in Commercial Sports Nutrition Supplements. *Journal of Sports Science and Medicine*, **2021**, 20, 328-338	2.7	7
450	Does supplementation with leucine-enriched protein alone and in combination with fish-oil-derived n-3 PUFA affect muscle mass, strength, physical performance, and muscle protein synthesis in well-nourished older adults? A randomized, double-blind, placebo-controlled trial. *American Journal of Clinical Nutrition*, **2021**, 113, 1411-1427	7	8
449	Gut amino acid absorption in humans: Concepts and relevance for postprandial metabolism. *Clinical Nutrition Open Science*, **2021**, 36, 43-55		8
448	Exercise Plus Presleep Protein Ingestion Increases Overnight Muscle Connective Tissue Protein Synthesis Rates in Healthy Older Men. *International Journal of Sport Nutrition and Exercise Metabolism*, **2021**, 31, 217-226	4.4	3
447	Basal protein synthesis rates differ between vastus lateralis and rectus abdominis muscle. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**, 12, 769-778	10.3	1
446	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	4.4	1
445	Insects are a viable protein source for human consumption: from insect protein digestion to postprandial muscle protein synthesis in vivo in humans: a double-blind randomized trial. *American Journal of Clinical Nutrition*, **2021**, 114, 934-944	7	17

444	Mass spectrometry imaging of L-[ring-C]-labeled phenylalanine and tyrosine kinetics in non-small cell lung carcinoma. *Cancer & Metabolism*, **2021**, 9, 26	5.4	3
443	Increasing Nitrate-Rich Vegetable Intake Lowers Ambulatory Blood Pressure in (pre)Hypertensive Middle-Aged and Older Adults: A 12-Wk Randomized Controlled Trial. *Journal of Nutrition*, **2021**, 151, 2667-2679	4.1	0
442	Eat like an athlete: insights of sports nutrition science to support active aging in healthy older adults. *GeroScience*, **2021**, 43, 2485-2495	8.9	3
441	Dietary protein intake does not modulate daily myofibrillar protein synthesis rates or loss of muscle mass and function during short-term immobilization in young men: a randomized controlled trial. *American Journal of Clinical Nutrition*, **2021**, 113, 548-561	7	9
440	Higher Levels of Physical Activity Are Associated with Greater Fruit and Vegetable intake in Older Adults. *Journal of Nutrition, Health and Aging*, **2021**, 25, 230-241	5.2	2
439	Whey protein supplementation does not accelerate recovery from a single bout of eccentric exercise. *Journal of Sports Sciences*, **2021**, 39, 322-331	3.6	1
438	Muscle fiber capillarization is associated with various indices of skeletal muscle mass in healthy, older men. *Experimental Gerontology*, **2021**, 143, 111161	4.5	0
437	Myonuclear content and domain size in small versus larger muscle fibres in response to 12 weeks of resistance exercise training in older adults. *Acta Physiologica*, **2021**, 231, e13599	5.6	3
436	Assessing the whole-body protein synthetic response to feeding in human subjects. *Proceedings of the Nutrition Society*, **2021**, 80, 139-147	2.9	3
435	Comprehensive assessment of post-prandial protein handling by the application of intrinsically labelled protein in human subjects. *Proceedings of the Nutrition Society*, **2021**, 80, 221-229	2.9	3
434	Ingestion of Free Amino Acids Compared with an Equivalent Amount of Intact Protein Results in More Rapid Amino Acid Absorption and Greater Postprandial Plasma Amino Acid Availability Without Affecting Muscle Protein Synthesis Rates in Young Adults in a Double-Blind Randomized Trial. *Journal of Nutrition*, **2021**,	4.1	4
433	No differences in muscle protein synthesis rates following ingestion of wheat protein, milk protein, and their protein blend in healthy, young males. *British Journal of Nutrition*, **2021**, 126, 1832-1842	3.6	9
432	Fragile bones of elite cyclists: to treat or not to treat?. *Journal of Applied Physiology*, **2021**,	3.7	5
431	Last Word on Viewpoint: Fragile bones of elite cyclists: to treat or not to treat?. *Journal of Applied Physiology*, **2021**, 131, 34-35	3.7	1
430	Acute Effects of Dietary Nitrate on Exercise Tolerance, Muscle Oxygenation, and Cardiovascular Function in Patients With Peripheral Arterial Disease. *International Journal of Sport Nutrition and Exercise Metabolism*, **2021**, 1-12	4.4	1
429	The Anabolic Response to Plant-Based Protein Ingestion. *Sports Medicine*, **2021**, 51, 59-74	10.6	7
428	The impact of collagen protein ingestion on musculoskeletal connective tissue remodeling: a narrative review. *Nutrition Reviews*, **2021**,	6.4	1
427	Dose-response effects of dietary protein on muscle protein synthesis during recovery from endurance exercise in young men: a double-blind randomized trial. *American Journal of Clinical Nutrition*, **2020**, 112, 303-317	7	28

426	The Muscle Protein Synthetic Response Following Ingestion of Corn Protein, Milk Protein and Their Protein Blend in Young Males. *Current Developments in Nutrition*, **2020**, 4, 651-651	0.4	3
425	Ingestion of Free Amino Acids as Opposed to Intact Protein Increases Amino Acid Absorption but Does Not Further Augment Postprandial Muscle Protein Synthesis Rates. *Current Developments in Nutrition*, **2020**, 4, 673-673	0.4	1
424	During Hospitalization, Older Patients at Risk for Malnutrition Consume . *Nutrition in Clinical Practice*, **2020**, 35, 655-663	3.6	4
423	The concept of skeletal muscle memory: Evidence from animal and human studies. *Acta Physiologica*, **2020**, 229, e13465	5.6	14
422	Hot-water immersion does not increase postprandial muscle protein synthesis rates during recovery from resistance-type exercise in healthy, young males. *Journal of Applied Physiology*, **2020**, 128, 1012-1022	3.7	3
421	Intermittent versus continuous enteral nutrition attenuates increases in insulin and leptin during short-term bed rest. *European Journal of Applied Physiology*, **2020**, 120, 2083-2094	3.4	2
420	Protein Type, Protein Dose, and Age Modulate Dietary Protein Digestion and Phenylalanine Absorption Kinetics and Plasma Phenylalanine Availability in Humans. *Journal of Nutrition*, **2020**, 150, 2041-2050	4.1	27
419	End-Stage Renal Disease Patients Lose a Substantial Amount of Amino Acids during Hemodialysis. *Journal of Nutrition*, **2020**, 150, 1160-1166	4.1	13
418	Could intramuscular storage of dietary nitrate contribute to its ergogenic effect? A mini-review. *Free Radical Biology and Medicine*, **2020**, 152, 295-300	7.8	12
417	Endurance-Type Exercise Increases Bulk and Individual Mitochondrial Protein Synthesis Rates in Rats. *International Journal of Sport Nutrition and Exercise Metabolism*, **2020**, 1-12	4.4	3
416	PRESENT 2020: Text Expanding on the Checklist for Proper Reporting of Evidence in Sport and Exercise Nutrition Trials. *International Journal of Sport Nutrition and Exercise Metabolism*, **2020**, 30, 2-13	4.4	16
415	A Nitrate-Rich Vegetable Intervention Elevates Plasma Nitrate and Nitrite Concentrations and Reduces Blood Pressure in Healthy Young Adults. *Journal of the Academy of Nutrition and Dietetics*, **2020**, 120, 1305-1317	3.9	7
414	Impact of whole dairy matrix on musculoskeletal health and aging-current knowledge and research gaps. *Osteoporosis International*, **2020**, 31, 601-615	5.3	24
413	Multifrequency bioelectrical impedance analysis may represent a reproducible and practical tool to assess skeletal muscle mass in euvolemic acutely ill hospitalized geriatric patients. *European Geriatric Medicine*, **2020**, 11, 155-162	3	4
412	Temporal Muscle-specific Disuse Atrophy during One Week of Leg Immobilization. *Medicine and Science in Sports and Exercise*, **2020**, 52, 944-954	1.2	30
411	The glycation level of milk protein strongly modulates post-prandial lysine availability in humans. *British Journal of Nutrition*, **2020**, 123, 545-552	3.6	22
410	Short-term bed rest-induced insulin resistance cannot be explained by increased mitochondrial H O emission. *Journal of Physiology*, **2020**, 598, 123-137	3.9	16
409	Short-term muscle disuse induces a rapid and sustained decline in daily myofibrillar protein synthesis rates. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E117-E130	6	26

408	Effect of acute and short-term dietary fat ingestion on postprandial skeletal muscle protein synthesis rates in middle-aged, overweight, and obese men. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E417-E429	6	8
407	Impact of Exercise-Nutritional State Interactions in Patients with Type 2 Diabetes. *Medicine and Science in Sports and Exercise*, **2020**, 52, 720-728	1.2	11
406	Postexercise cooling impairs muscle protein synthesis rates in recreational athletes. *Journal of Physiology*, **2020**, 598, 755-772	3.9	24
405	Casein Protein Processing Strongly Modulates Post-Prandial Plasma Amino Acid Responses In Vivo in Humans. *Nutrients*, **2020**, 12,	6.7	8
404	In vitro ketone-supported mitochondrial respiration is minimal when other substrates are readily available in cardiac and skeletal muscle. *Journal of Physiology*, **2020**, 598, 4869-4885	3.9	14
403	Casein Ingestion Does Not Increase Muscle Connective Tissue Protein Synthesis Rates. *Medicine and Science in Sports and Exercise*, **2020**, 52, 1983-1991	1.2	8
402	Primary, Secondary, and Tertiary Effects of Carbohydrate Ingestion During Exercise. *Sports Medicine* , **2020**, 50, 1863-1871	10.6	6
401	Mitochondrial DNA copy number associates with insulin sensitivity and aerobic capacity, and differs between sedentary, overweight middle-aged males with and without type 2 diabetes. *International Journal of Obesity*, **2020**, 44, 929-936	5.5	6
400	Mitochondrial ROS and Aging: Understanding Exercise as a Preventive Tool. *Journal of Science in Sport and Exercise*, **2020**, 2, 15-24	1	3
399	The intrinsically labeled protein approach is the preferred method to quantify the release of dietary protein-derived amino acids into the circulation. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E433-E434	6	8
398	Myofibrillar and Mitochondrial Protein Synthesis Rates Do Not Differ in Young Men Following the Ingestion of Carbohydrate with Milk Protein, Whey, or Micellar Casein after Concurrent Resistance- and Endurance-Type Exercise. *Journal of Nutrition*, **2019**, 149, 198-209	4.1	14
397	Nandrolone decanoate administration does not attenuate muscle atrophy during a short period of disuse. *PLoS ONE*, **2019**, 14, e0210823	3.7	4
396	Sarcopenia Is Related to Mortality in the Acutely Hospitalized Geriatric Patient. *Journal of Nutrition, Health and Aging*, **2019**, 23, 128-137	5.2	15
395	No effect of beetroot juice supplementation on exercise economy and performance in recreationally active females despite increased torque production. *Physiological Reports*, **2019**, 7, e13982	2.6	17
394	Myofibrillar and Mitochondrial Protein Synthesis Rates Do Not Differ in Young Men Following the Ingestion of Carbohydrate with Whey, Soy, or Leucine-Enriched Soy Protein after Concurrent Resistance- and Endurance-Type Exercise. *Journal of Nutrition*, **2019**, 149, 210-220	4.1	16
393	Dose-Dependent Increases in Whole-Body Net Protein Balance and Dietary Protein-Derived Amino Acid Incorporation into Myofibrillar Protein During Recovery from Resistance Exercise in Older Men. *Journal of Nutrition*, **2019**, 149, 221-230	4.1	31
392	Distinct skeletal muscle molecular responses to pulmonary rehabilitation in chronic obstructive pulmonary disease: a cluster analysis. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 311-322	10.3	13
391	Protein supplementation elicits greater gains in maximal oxygen uptake capacity and stimulates lean mass accretion during prolonged endurance training: a double-blind randomized controlled trial. *American Journal of Clinical Nutrition*, **2019**, 110, 508-518	7	18

390	Lipotoxicity plays a key role in the development of both insulin resistance and muscle atrophy in patients with type 2 diabetes. *Obesity Reviews*, **2019**, 20, 1205-1217	10.6	60
389	Basal and Postprandial Myofibrillar Protein Synthesis Rates Do Not Differ between Lean and Obese Middle-Aged Men. *Journal of Nutrition*, **2019**, 149, 1533-1542	4.1	12
388	No effect of 25-hydroxyvitamin D supplementation on the skeletal muscle transcriptome in vitamin D deficient frail older adults. *BMC Geriatrics*, **2019**, 19, 151	4.1	6
387	Fructose co-ingestion to increase carbohydrate availability in athletes. *Journal of Physiology*, **2019**, 597, 3549-3560	3.9	17
386	Blood flow restricted resistance exercise and reductions in oxygen tension attenuate mitochondrial H O emission rates in human skeletal muscle. *Journal of Physiology*, **2019**, 597, 3985-3997	3.9	19
385	Leucine coingestion augments the muscle protein synthetic response to the ingestion of 15 g of protein following resistance exercise in older men. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E473-E482	6	12
384	A single bout of strenuous exercise overcomes lipid-induced anabolic resistance to protein ingestion in overweight, middle-aged men. *FASEB Journal*, **2019**, 33, 7009-7017	0.9	6
383	Exercising to offset muscle mass loss in hemodialysis patients: The disconnect between intention and intervention. *Seminars in Dialysis*, **2019**, 32, 379-385	2.5	8
382	Tumour-specific and organ-specific protein synthesis rates in patients with pancreatic cancer. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 549-556	10.3	11
381	Muscle mass and strength gains following 6 months of resistance type exercise training are only partly preserved within one year with autonomous exercise continuation in older adults. *Experimental Gerontology*, **2019**, 121, 71-78	4.5	21
380	The effect of minimally invasive surgical aortic valve replacement on postoperative pulmonary and skeletal muscle function. *Experimental Physiology*, **2019**, 104, 855-865	2.4	0
379	The Impact of Pre-sleep Protein Ingestion on the Skeletal Muscle Adaptive Response to Exercise in Humans: An Update. *Frontiers in Nutrition*, **2019**, 6, 17	6.2	32
378	Energy expenditure and dietary intake in professional football players in the Dutch Premier League: Implications for nutritional counselling. *Journal of Sports Sciences*, **2019**, 37, 2759-2767	3.6	11
377	Coordinated regulation of skeletal muscle mass and metabolic plasticity during recovery from disuse. *FASEB Journal*, **2019**, 33, 1288-1298	0.9	8
376	One Week of Hospitalization Following Elective Hip Surgery Induces Substantial Muscle Atrophy in Older Patients. *Journal of the American Medical Directors Association*, **2019**, 20, 35-42	5.9	26
375	Blood Flow Restriction Only Increases Myofibrillar Protein Synthesis with Exercise. *Medicine and Science in Sports and Exercise*, **2019**, 51, 1137-1145	1.2	11
374	High Versus low Dietary Protein Intake and Bone Health in Older Adults: a Systematic Review and Meta-Analysis. *Computational and Structural Biotechnology Journal*, **2019**, 17, 1101-1112	6.8	32
373	Branched-chain amino acid and branched-chain ketoacid ingestion increases muscle protein synthesis rates in vivo in older adults: a double-blind, randomized trial. *American Journal of Clinical Nutrition*, **2019**, 110, 862-872	7	35

372	Protein synthesis rates of muscle, tendon, ligament, cartilage, and bone tissue in vivo in humans. *PLoS ONE*, **2019**, 14, e0224745	3.7	12
371	Skeletal muscle unloading results in increased mitophagy and decreased mitochondrial biogenesis regulation. *Muscle and Nerve*, **2019**, 60, 769-778	3.4	21
370	Blood Flow Restricted Exercise and Reduced Oxygen Tension Decrease Mitochondrial ROS Emission in Human Muscle. *Medicine and Science in Sports and Exercise*, **2019**, 51, 972-972	1.2	
369	Protein Intake Falls below 0.6 g·kg-1·d-1 in Healthy, Older Patients Admitted for Elective Hip or Knee Arthroplasty. *Journal of Nutrition, Health and Aging*, **2019**, 23, 299-305	5.2	7
368	The Muscle Protein Synthetic Response to Whey Protein Ingestion Is Greater in Middle-Aged Women Compared With Men. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 994-1004	5.6	7
367	Sucrose but Not Nitrate Ingestion Reduces Strenuous Cycling-induced Intestinal Injury. *Medicine and Science in Sports and Exercise*, **2019**, 51, 436-444	1.2	12
366	Time-dependent regulation of postprandial muscle protein synthesis rates after milk protein ingestion in young men. *Journal of Applied Physiology*, **2019**, 127, 1792-1801	3.7	12
365	Protein Supplementation Does Not Augment Adaptations to Endurance Exercise Training. *Medicine and Science in Sports and Exercise*, **2019**, 51, 2041-2049	1.2	9
364	Dietary Protein and Physical Activity Interventions to Support Muscle Maintenance in End-Stage Renal Disease Patients on Hemodialysis. *Nutrients*, **2019**, 11,	6.7	13
363	Protein Supplementation Does Not Further Augment Physiological Adaptations to Prolonged Endurance Exercise Training. *Medicine and Science in Sports and Exercise*, **2019**, 51, 791-791	1.2	
362	One Week of Step Reduction Lowers Myofibrillar Protein Synthesis Rates in Young Men. *Medicine and Science in Sports and Exercise*, **2019**, 51, 2125-2134	1.2	27
361	Ascorbic acid supplementation improves postprandial glycaemic control and blood pressure in individuals with type 2 diabetes: Findings of a randomized cross-over trial. *Diabetes, Obesity and Metabolism*, **2019**, 21, 674-682	6.7	34
360	Perioperative nutritional supplementation and skeletal muscle mass in older hip-fracture patients. *Nutrition Reviews*, **2019**, 77, 254-266	6.4	7
359	The Muscle Protein Synthetic Response to Meal Ingestion Following Resistance-Type Exercise. *Sports Medicine*, **2019**, 49, 185-197	10.6	48
358	Dietary feeding pattern does not modulate the loss of muscle mass or the decline in metabolic health during short-term bed rest. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 316, E536-E545	6	12
357	The association between 25-hydroxyvitamin D concentration, physical performance and frailty status in older adults. *European Journal of Nutrition*, **2019**, 58, 1173-1181	5.2	23
356	A single day of bed rest, irrespective of energy balance, does not affect skeletal muscle gene expression or insulin sensitivity. *Experimental Physiology*, **2018**, 103, 860-875	2.4	8
355	Differential effects of leucine and leucine-enriched whey protein on skeletal muscle protein synthesis in aged mice. *Clinical Nutrition ESPEN*, **2018**, 24, 127-133	1.3	14

354	Repeated-sprint performance and plasma responses following beetroot juice supplementation do not differ between recreational, competitive and elite sprint athletes. *European Journal of Sport Science*, **2018**, 18, 524-533	3.9	25
353	Brain tissue plasticity: protein synthesis rates of the human brain. *Brain*, **2018**, 141, 1122-1129	11.2	15
352	The Effect of Beetroot Juice Supplementation on Dynamic Apnea and Intermittent Sprint Performance in Elite Female Water Polo Players. *International Journal of Sport Nutrition and Exercise Metabolism*, **2018**, 28, 468-473	4.4	12
351	A novel in vitro model for the assessment of postnatal myonuclear accretion. *Skeletal Muscle*, **2018**, 8, 4	5.1	3
350	IOC Consensus Statement: Dietary Supplements and the High-Performance Athlete. *International Journal of Sport Nutrition and Exercise Metabolism*, **2018**, 28, 104-125	4.4	159
349	IOC consensus statement: dietary supplements and the high-performance athlete. *British Journal of Sports Medicine*, **2018**, 52, 439-455	10.3	237
348	Response. *Medicine and Science in Sports and Exercise*, **2018**, 50, 875	1.2	
347	Increasing vegetable intake to obtain the health promoting and ergogenic effects of dietary nitrate. *European Journal of Clinical Nutrition*, **2018**, 72, 1485-1489	5.2	8
346	Age-Associated Impairments in Mitochondrial ADP Sensitivity Contribute to Redox Stress in Senescent Human Skeletal Muscle. *Cell Reports*, **2018**, 22, 2837-2848	10.6	45
345	Dose-response effects of supplementation with calcifediol on serum 25-hydroxyvitamin D status and its metabolites: A randomized controlled trial in older adults. *Clinical Nutrition*, **2018**, 37, 808-814	5.9	36
344	Presleep dietary protein-derived amino acids are incorporated in myofibrillar protein during postexercise overnight recovery. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 314, E457-E467	6	48
343	The effect of acute and 7-days dietary nitrate on mechanical efficiency, exercise performance and cardiac biomarkers in patients with chronic obstructive pulmonary disease. *Clinical Nutrition*, **2018**, 37, 1852-1861	5.9	9
342	Interventional strategies to combat muscle disuse atrophy in humans: focus on neuromuscular electrical stimulation and dietary protein. *Journal of Applied Physiology*, **2018**, 125, 850-861	3.7	23
341	Temporal Response of Angiogenesis and Hypertrophy to Resistance Training in Young Men. *Medicine and Science in Sports and Exercise*, **2018**, 50, 36-45	1.2	41
340	Daily resistance-type exercise stimulates muscle protein synthesis in vivo in young men. *Journal of Applied Physiology*, **2018**, 124, 66-75	3.7	21
339	Does nutrition play a role in the prevention and management of sarcopenia?. *Clinical Nutrition*, **2018**, 37, 1121-1132	5.9	179
338	Reply: Measurement of regional rates of protein synthesis in human brain in vivo with L-[1-11C]-leucine PET. *Brain*, **2018**, 141, e52	11.2	
337	Sodium nitrate supplementation alters mitochondrial HO emission but does not improve mitochondrial oxidative metabolism in the heart of healthy rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R191-R204	3.2	10

336	The 2017 Dutch Physical Activity Guidelines. *International Journal of Behavioral Nutrition and Physical Activity*, **2018**, 15, 58	8.4	70
335	Leucine Supplementation Does Not Attenuate Skeletal Muscle Loss during Leg Immobilization in Healthy, Young Men. *Nutrients*, **2018**, 10,	6.7	20
334	Cholecalciferol or 25-Hydroxycholecalciferol Supplementation Does Not Affect Muscle Strength and Physical Performance in Prefrail and Frail Older Adults. *Journal of Nutrition*, **2018**, 148, 712-720	4.1	14
333	Muscle Atrophy Due to Nerve Damage Is Accompanied by Elevated Myofibrillar Protein Synthesis Rates. *Frontiers in Physiology*, **2018**, 9, 1220	4.6	17
332	Skeletal muscle fiber characteristics in patients with chronic heart failure: impact of disease severity and relation with muscle oxygenation during exercise. *Journal of Applied Physiology*, **2018**,	3.7	7
331	The Effects of Acute and Chronic Beetroot Juice Supplementation on Exercise Economy and Time Trial Performance in Recreationally Active Females. *FASEB Journal*, **2018**, 32, 724.7	0.9	
330	Measurement of Muscle, Tendon, Ligament, Cartilage, and Bone Protein Synthesis Rates In Vivo in Humans. *FASEB Journal*, **2018**, 32, 768.8	0.9	
329	Effects of Creatine and Carbohydrate Loading on Cycling Time Trial Performance. *Medicine and Science in Sports and Exercise*, **2018**, 50, 141-150	1.2	11
328	Impact of Short-term Sedentariness on Week-to-Week Myofibrillar Protein Synthesis Rates in Physically Active Young Men. *Medicine and Science in Sports and Exercise*, **2018**, 50, 370	1.2	
327	The Effects of Protein Type and Added Leucine on Myofibrillar Protein Synthesis Following Concurrent Exercise. *Medicine and Science in Sports and Exercise*, **2018**, 50, 838-839	1.2	
326	Arginine does not rescue p.Q188R mutation deleterious effect in classic galactosemia. *Orphanet Journal of Rare Diseases*, **2018**, 13, 212	4.2	5
325	Protein Supplementation after Exercise and before Sleep Does Not Further Augment Muscle Mass and Strength Gains during Resistance Exercise Training in Active Older Men. *Journal of Nutrition*, **2018**, 148, 1723-1732	4.1	29
324	Amino acid loss during hemodialysis in end-stage renal disease patients. *Clinical Nutrition*, **2018**, 37, S96	5.9	3
323	Protein content and amino acid composition of commercially available plant-based protein isolates. *Amino Acids*, **2018**, 50, 1685-1695	3.5	256
322	Adipose tissue lipolytic inhibition enhances the glucoregulatory properties of exercise in type 2 diabetes patients. *European Journal of Sport Science*, **2018**, 18, 1245-1254	3.9	3
321	Co-ingesting milk fat with micellar casein does not affect postprandial protein handling in healthy older men. *Clinical Nutrition*, **2017**, 36, 429-437	5.9	29
320	Commentaries on Viewpoint: A time for exercise: the exercise window. *Journal of Applied Physiology*, **2017**, 122, 210-213	3.7	2
319	Food ingestion in an upright sitting position increases postprandial amino acid availability when compared with food ingestion in a lying down position. *Applied Physiology, Nutrition and Metabolism*, **2017**, 42, 738-743	3	5

318	The Impact of Dietary Protein or Amino Acid Supplementation on Muscle Mass and Strength in Elderly People: Individual Participant Data and Meta-Analysis of RCTs. *Journal of Nutrition, Health and Aging*, **2017**, 21, 994-1001	5.2	76
317	Nutrition and physical activity in the prevention and treatment of sarcopenia: systematic review. *Osteoporosis International*, **2017**, 28, 1817-1833	5.3	243
316	Linolenic acid and exercise training independently, and additively, decrease blood pressure and prevent diastolic dysfunction in obese Zucker rats. *Journal of Physiology*, **2017**, 595, 4351-4364	3.9	12
315	Beetroot Juice Increases Human Muscle Force without Changing Ca2+-Handling Proteins. *Medicine and Science in Sports and Exercise*, **2017**, 49, 2016-2024	1.2	46
314	Detection of Localized Hepatocellular Amino Acid Kinetics by using Mass Spectrometry Imaging of Stable Isotopes. *Angewandte Chemie - International Edition*, **2017**, 56, 7146-7150	16.4	19
313	Habituation to low or high protein intake does not modulate basal or postprandial muscle protein synthesis rates: a randomized trial. *American Journal of Clinical Nutrition*, **2017**, 105, 332-342	7	32
312	Muscle fiber capillarization as determining factor on indices of insulin sensitivity in humans. *Physiological Reports*, **2017**, 5, e13278	2.6	17
311	Protein Supplementation Augments Muscle Fiber Hypertrophy but Does Not Modulate Satellite Cell Content During Prolonged Resistance-Type Exercise Training in Frail Elderly. *Journal of the American Medical Directors Association*, **2017**, 18, 608-615	5.9	28
310	Extensive Type II Muscle Fiber Atrophy in Elderly Female Hip Fracture Patients. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2017**, 72, 1369-1375	6.4	36
309	Dietary nitrate does not reduce oxygen cost of exercise or improve muscle mitochondrial function in patients with mitochondrial myopathy. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R689-R701	3.2	5
308	Intramyocellular lipid content and lipogenic gene expression responses following a single bout of resistance type exercise differ between young and older men. *Experimental Gerontology*, **2017**, 93, 36-45	4.5	11
307	Neuromuscular electrical stimulation prior to presleep protein feeding stimulates the use of protein-derived amino acids for overnight muscle protein synthesis. *Journal of Applied Physiology*, **2017**, 122, 20-27	3.7	14
306	Creatine Loading Does Not Preserve Muscle Mass or Strength During Leg Immobilization in Healthy, Young Males: A Randomized Controlled Trial. *Sports Medicine*, **2017**, 47, 1661-1671	10.6	26
305	Protein Ingestion before Sleep Increases Overnight Muscle Protein Synthesis Rates in Healthy Older Men: A Randomized Controlled Trial. *Journal of Nutrition*, **2017**, 147, 2252-2261	4.1	56
304	Origin of Cardiac Troponin T Elevations in Chronic Kidney Disease. *Circulation*, **2017**, 136, 1073-1075	16.7	30
303	Fructose and Sucrose Ingestion Increase Exogenous Carbohydrate Oxidation Rates During Exercise in Trained Cyclists. *Medicine and Science in Sports and Exercise*, **2017**, 49, 188	1.2	
302	Twenty-Four-Hour Biological Variation Profiles of Cardiac Troponin I in Individuals with or without Chronic Kidney Disease. *Clinical Chemistry*, **2017**, 63, 1655-1656	5.5	28
301	Sodium nitrate ingestion increases skeletal muscle nitrate content in humans. *Journal of Applied Physiology*, **2017**, 123, 637-644	3.7	29

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