

Luc van Loon

List of Publications by Citations

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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	Protein supplementation augments the adaptive response of skeletal muscle to resistance-type exercise training: a meta-analysis. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 1454-64	7	517
460	The effects of increasing exercise intensity on muscle fuel utilisation in humans. <i>Journal of Physiology</i> , 2001 , 536, 295-304	3.9	517
459	Whey protein stimulates postprandial muscle protein accretion more effectively than do casein and casein hydrolysate in older men. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 997-1005	7	435
458	The decline in skeletal muscle mass with aging is mainly attributed to a reduction in type II muscle fiber size. <i>Experimental Gerontology</i> , 2013 , 48, 492-8	4.5	366
457	Protein supplementation increases muscle mass gain during prolonged resistance-type exercise training in frail elderly people: a randomized, double-blind, placebo-controlled trial. <i>Journal of the American Medical Directors Association</i> , 2012 , 13, 713-9	5.9	363
456	Satellite cell content is specifically reduced in type II skeletal muscle fibers in the elderly. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E151-7	6	337
455	Protein supplementation improves physical performance in frail elderly people: a randomized, double-blind, placebo-controlled trial. <i>Journal of the American Medical Directors Association</i> , 2012 , 13, 720-6	5.9	291
454	Plasma insulin responses after ingestion of different amino acid or protein mixtures with carbohydrate. <i>American Journal of Clinical Nutrition</i> , 2000 , 72, 96-105	7	271
453	The Skeletal Muscle Anabolic Response to Plant- versus Animal-Based Protein Consumption. <i>Journal of Nutrition</i> , 2015 , 145, 1981-91	4.1	260
452	Patients with type 2 diabetes show a greater decline in muscle mass, muscle strength, and functional capacity with aging. <i>Journal of the American Medical Directors Association</i> , 2013 , 14, 585-92	5.9	257
451	Protein content and amino acid composition of commercially available plant-based protein isolates. <i>Amino Acids</i> , 2018 , 50, 1685-1695	3.5	256
450	Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. <i>Journal of Applied Physiology</i> , 2010 , 108, 1487-96	3.7	252
449	Validity and reliability of tools to measure muscle mass, strength, and physical performance in community-dwelling older people: a systematic review. <i>Journal of the American Medical Directors Association</i> , 2013 , 14, 170-8	5.9	249
448	Maximizing postexercise muscle glycogen synthesis: carbohydrate supplementation and the application of amino acid or protein hydrolysate mixtures. <i>American Journal of Clinical Nutrition</i> , 2000 , 72, 106-11	7	246
447	Nutrition and physical activity in the prevention and treatment of sarcopenia: systematic review. <i>Osteoporosis International</i> , 2017 , 28, 1817-1833	5.3	243
446	Aging, exercise, and muscle protein metabolism. <i>Journal of Applied Physiology</i> , 2009 , 106, 2040-8	3.7	238
445	IOC consensus statement: dietary supplements and the high-performance athlete. <i>British Journal of Sports Medicine</i> , 2018 , 52, 439-455	10.3	237

444	Skeletal muscle hypertrophy following resistance training is accompanied by a fiber type-specific increase in satellite cell content in elderly men. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 332-9	6.4	232
443	Ingestion of a protein hydrolysate is accompanied by an accelerated in vivo digestion and absorption rate when compared with its intact protein. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 106-15	7	229
442	Skeletal muscle atrophy during short-term disuse: implications for age-related sarcopenia. <i>Ageing Research Reviews</i> , 2013 , 12, 898-906	12	226
441	Dietary protein for athletes: from requirements to optimum adaptation. <i>Journal of Sports Sciences</i> , 2011 , 29 Suppl 1, S29-38	3.6	225
440	Amino acid absorption and subsequent muscle protein accretion following graded intakes of whey protein in elderly men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E992-9 ⁶		222
439	Nitrate supplementation@ improvement of 10-km time-trial performance in trained cyclists. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2012 , 22, 64-71	4.4	211
438	Exercising before protein intake allows for greater use of dietary protein-derived amino acids for de novo muscle protein synthesis in both young and elderly men. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 322-31	7	209
437	Long-term leucine supplementation does not increase muscle mass or strength in healthy elderly men. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 1468-75	7	201
436	Dietary protein intake in community-dwelling, frail, and institutionalized elderly people: scope for improvement. <i>European Journal of Nutrition</i> , 2012 , 51, 173-9	5.2	198
435	Satellite cells in human skeletal muscle; from birth to old age. <i>Age</i> , 2014 , 36, 545-7		194
434	Combined ingestion of protein and free leucine with carbohydrate increases postexercise muscle protein synthesis in vivo in male subjects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E645-53	6	191
433	Anabolic resistance of muscle protein synthesis with aging. <i>Exercise and Sport Sciences Reviews</i> , 2013 , 41, 169-73	6.7	188
432	Protein supplementation before and after exercise does not further augment skeletal muscle hypertrophy after resistance training in elderly men. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 608 ⁷ 16		188
431	Aging Is Accompanied by a Blunted Muscle Protein Synthetic Response to Protein Ingestion. <i>PLoS ONE</i> , 2015 , 10, e0140903	3.7	187
430	Does nutrition play a role in the prevention and management of sarcopenia?. <i>Clinical Nutrition</i> , 2018 , 37, 1121-1132	5.9	179
429	One Week of Bed Rest Leads to Substantial Muscle Atrophy and Induces Whole-Body Insulin Resistance in the Absence of Skeletal Muscle Lipid Accumulation. <i>Diabetes</i> , 2016 , 65, 2862-75	0.9	179
428	Exercise-induced splanchnic hypoperfusion results in gut dysfunction in healthy men. <i>PLoS ONE</i> , 2011 , 6, e22366	3.7	179
427	The role of dietary protein and vitamin D in maintaining musculoskeletal health in postmenopausal women: a consensus statement from the European Society for Clinical and Economic Aspects of Osteoporosis and Osteoarthritis (ESCEO). <i>Maturitas</i> , 2014 , 79, 122-32	5	169

426	Substantial skeletal muscle loss occurs during only 5 days of disuse. <i>Acta Physiologica</i> , 2014 , 210, 600-115.6	167
425	Amino acid ingestion strongly enhances insulin secretion in patients with long-term type 2 diabetes. <i>Diabetes Care</i> , 2003 , 26, 625-30	14.6 164
424	Protein and healthy aging. <i>American Journal of Clinical Nutrition</i> , 2015 , 101, 1339S-1345S	7 162
423	The impact of sarcopenia and exercise training on skeletal muscle satellite cells. <i>Ageing Research Reviews</i> , 2009 , 8, 328-38	12 161
422	IOC Consensus Statement: Dietary Supplements and the High-Performance Athlete. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2018 , 28, 104-125	4.4 159
421	Satellite cells in human skeletal muscle plasticity. <i>Frontiers in Physiology</i> , 2015 , 6, 283	4.6 159
420	Increased intramuscular lipid storage in the insulin-resistant and endurance-trained state. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 451, 606-16	4.6 157
419	Intramyocellular lipid content in type 2 diabetes patients compared with overweight sedentary men and highly trained endurance athletes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 287, E558-65	6 157
418	Tools in the assessment of sarcopenia. <i>Calcified Tissue International</i> , 2013 , 93, 201-10	3.9 155
417	Leucine co-ingestion improves post-prandial muscle protein accretion in elderly men. <i>Clinical Nutrition</i> , 2013 , 32, 412-9	5.9 154
416	Protein ingestion before sleep improves postexercise overnight recovery. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 1560-9	1.2 153
415	Intramyocellular lipids form an important substrate source during moderate intensity exercise in endurance-trained males in a fasted state. <i>Journal of Physiology</i> , 2003 , 553, 611-25	3.9 150
414	Cinnamon supplementation does not improve glycemic control in postmenopausal type 2 diabetes patients. <i>Journal of Nutrition</i> , 2006 , 136, 977-80	4.1 149
413	There Are No Nonresponders to Resistance-Type Exercise Training in Older Men and Women. <i>Journal of the American Medical Directors Association</i> , 2015 , 16, 400-11	5.9 148
412	Addition of protein and amino acids to carbohydrates does not enhance postexercise muscle glycogen synthesis. <i>Journal of Applied Physiology</i> , 2001 , 91, 839-46	3.7 145
411	Physiology and pathophysiology of splanchnic hypoperfusion and intestinal injury during exercise: strategies for evaluation and prevention. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G155-68	5.1 142
410	The use of carbohydrates during exercise as an ergogenic aid. <i>Sports Medicine</i> , 2013 , 43, 1139-55	10.6 141
409	Elderly men and women benefit equally from prolonged resistance-type exercise training. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 769-79	6.4 141

408	Thermoregulation during exercise in the heat: strategies for maintaining health and performance. <i>Sports Medicine</i> , 2007 , 37, 669-82	10.6	141
407	Co-ingestion of protein and leucine stimulates muscle protein synthesis rates to the same extent in young and elderly lean men. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 623-32	7	138
406	Use of intramuscular triacylglycerol as a substrate source during exercise in humans. <i>Journal of Applied Physiology</i> , 2004 , 97, 1170-87	3.7	136
405	Increase in S6K1 phosphorylation in human skeletal muscle following resistance exercise occurs mainly in type II muscle fibers. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E1245-52	6	133
404	Neuromuscular electrical stimulation prevents muscle disuse atrophy during leg immobilization in humans. <i>Acta Physiologica</i> , 2014 , 210, 628-41	5.6	132
403	Nutritional strategies to promote postexercise recovery. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2010 , 20, 515-32	4.4	130
402	One-repetition maximum strength test represents a valid means to assess leg strength in vivo in humans. <i>Journal of Sports Sciences</i> , 2009 , 27, 59-68	3.6	129
401	Nutritional strategies to attenuate muscle disuse atrophy. <i>Nutrition Reviews</i> , 2013 , 71, 195-208	6.4	127
400	Continuous low- to moderate-intensity exercise training is as effective as moderate- to high-intensity exercise training at lowering blood HbA(1c) in obese type 2 diabetes patients. <i>Diabetologia</i> , 2009 , 52, 1789-97	10.3	125
399	Skeletal muscle capillary density and microvascular function are compromised with aging and type 2 diabetes. <i>Journal of Applied Physiology</i> , 2014 , 116, 998-1005	3.7	119
398	Low-intensity exercise reduces the prevalence of hyperglycemia in type 2 diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 219-25	1.2	114
397	A novel multi-tissue RNA diagnostic of healthy ageing relates to cognitive health status. <i>Genome Biology</i> , 2015 , 16, 185	18.3	112
396	Protein Ingestion before Sleep Increases Muscle Mass and Strength Gains during Prolonged Resistance-Type Exercise Training in Healthy Young Men. <i>Journal of Nutrition</i> , 2015 , 145, 1178-84	4.1	109
395	Prolonged leucine supplementation does not augment muscle mass or affect glycemic control in elderly type 2 diabetic men. <i>Journal of Nutrition</i> , 2011 , 141, 1070-6	4.1	107
394	Minced beef is more rapidly digested and absorbed than beef steak, resulting in greater postprandial protein retention in older men. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 121-8	7	106
393	Co-ingestion of a protein hydrolysate and amino acid mixture with carbohydrate improves plasma glucose disposal in patients with type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 76-83	7	105
392	Combined ingestion of protein and carbohydrate improves protein balance during ultra-endurance exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 287, E712-20	6	103
391	Dietary protein digestion and absorption rates and the subsequent postprandial muscle protein synthetic response do not differ between young and elderly men. <i>Journal of Nutrition</i> , 2009 , 139, 1707-13	4.1	102

390	Coingestion of carbohydrate with protein does not further augment postexercise muscle protein synthesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E833-42	6	100
389	Intramyocellular lipid and glycogen content are reduced following resistance exercise in untrained healthy males. <i>European Journal of Applied Physiology</i> , 2006 , 96, 525-34	3.4	100
388	Carbohydrate coingestion delays dietary protein digestion and absorption but does not modulate postprandial muscle protein accretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 2250-8	5.6	99
387	Carbohydrate mouth rinsing in the fed state: lack of enhancement of time-trial performance. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2009 , 19, 400-9	4.4	99
386	Disuse impairs the muscle protein synthetic response to protein ingestion in healthy men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 4872-81	5.6	98
385	Early or advanced stage type 2 diabetes is not accompanied by in vivo skeletal muscle mitochondrial dysfunction. <i>European Journal of Endocrinology</i> , 2008 , 158, 643-53	6.5	98
384	Postexercise muscle glycogen resynthesis in humans. <i>Journal of Applied Physiology</i> , 2017 , 122, 1055-1063	3.7	96
383	No improvement in endurance performance after a single dose of beetroot juice. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2012 , 22, 470-8	4.4	95
382	Effect of moderate-intensity exercise versus activities of daily living on 24-hour blood glucose homeostasis in male patients with type 2 diabetes. <i>Diabetes Care</i> , 2013 , 36, 3448-53	14.6	93
381	Ingestion of protein hydrolysate and amino acid-carbohydrate mixtures increases postexercise plasma insulin responses in men. <i>Journal of Nutrition</i> , 2000 , 130, 2508-13	4.1	93
380	Impact of Diet Composition on Blood Glucose Regulation. <i>Critical Reviews in Food Science and Nutrition</i> , 2016 , 56, 541-90	11.5	92
379	Protein supplementation during resistance-type exercise training in the elderly. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 542-52	1.2	92
378	Both resistance- and endurance-type exercise reduce the prevalence of hyperglycaemia in individuals with impaired glucose tolerance and in insulin-treated and non-insulin-treated type 2 diabetic patients. <i>Diabetologia</i> , 2012 , 55, 1273-82	10.3	87
377	Intragastric protein administration stimulates overnight muscle protein synthesis in elderly men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E52-60	6	87
376	Brisk walking compared with an individualised medical fitness programme for patients with type 2 diabetes: a randomised controlled trial. <i>Diabetologia</i> , 2008 , 51, 736-46	10.3	86
375	Ingestion of Wheat Protein Increases In Vivo Muscle Protein Synthesis Rates in Healthy Older Men in a Randomized Trial. <i>Journal of Nutrition</i> , 2016 , 146, 1651-9	4.1	84
374	Skeletal muscle disuse atrophy is not attenuated by dietary protein supplementation in healthy older men. <i>Journal of Nutrition</i> , 2014 , 144, 1196-203	4.1	84
373	Intravenous AICAR administration reduces hepatic glucose output and inhibits whole body lipolysis in type 2 diabetic patients. <i>Diabetologia</i> , 2008 , 51, 1893-900	10.3	84

372	The effects of exercise and adipose tissue lipolysis on plasma adiponectin concentration and adiponectin receptor expression in human skeletal muscle. <i>European Journal of Endocrinology</i> , 2005 , 152, 427-36	6.5	84
371	Liver glycogen metabolism during and after prolonged endurance-type exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E543-53	6	82
370	Exercise therapy in type 2 diabetes. <i>Acta Diabetologica</i> , 2009 , 46, 263-78	3.9	82
369	Neuromuscular electrical stimulation prevents muscle wasting in critically ill comatose patients. <i>Clinical Science</i> , 2015 , 128, 357-65	6.5	81
368	Co-ingestion of leucine with protein does not further augment post-exercise muscle protein synthesis rates in elderly men. <i>British Journal of Nutrition</i> , 2008 , 99, 571-80	3.6	81
367	Plasma adipokine and inflammatory marker concentrations are altered in obese, as opposed to non-obese, type 2 diabetes patients. <i>European Journal of Applied Physiology</i> , 2010 , 109, 397-404	3.4	80
366	Nitrate-Rich Vegetables Increase Plasma Nitrate and Nitrite Concentrations and Lower Blood Pressure in Healthy Adults. <i>Journal of Nutrition</i> , 2016 , 146, 986-93	4.1	80
365	Differences in postprandial protein handling after beef compared with milk ingestion during postexercise recovery: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 828-36	7	79
364	Leucine as a pharmaconutrient to prevent and treat sarcopenia and type 2 diabetes. <i>Nutrition Reviews</i> , 2011 , 69, 675-89	6.4	79
363	Physical activity is the key determinant of skeletal muscle mitochondrial function in type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 3261-9	5.6	79
362	The impact of training modalities on the clinical benefits of exercise intervention in patients with cardiovascular disease risk or type 2 diabetes mellitus. <i>Sports Medicine</i> , 2010 , 40, 921-40	10.6	77
361	Optimizing the therapeutic benefits of exercise in Type 2 diabetes. <i>Journal of Applied Physiology</i> , 2007 , 103, 1113-20	3.7	77
360	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. <i>Journal of Nutrition, Health and Aging</i> , 2017 , 21, 994-1001	5.2	76
359	Muscle fibre capillarization is a critical factor in muscle fibre hypertrophy during resistance exercise training in older men. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017 , 8, 267-276	10.3	75
358	Short-term muscle disuse lowers myofibrillar protein synthesis rates and induces anabolic resistance to protein ingestion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E137-47	6	74
357	Characteristics of muscle fiber type are predictive of skeletal muscle mass and strength in elderly men. <i>Journal of the American Geriatrics Society</i> , 2010 , 58, 2069-75	5.6	73
356	A single session of resistance exercise enhances insulin sensitivity for at least 24 h in healthy men. <i>European Journal of Applied Physiology</i> , 2005 , 94, 180-7	3.4	73
355	The skeletal muscle satellite cell response to a single bout of resistance-type exercise is delayed with aging in men. <i>Age</i> , 2014 , 36, 9699		72

354	The 2017 Dutch Physical Activity Guidelines. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2018 , 15, 58	8.4	70
353	Effects of creatine loading and prolonged creatine supplementation on body composition, fuel selection, sprint and endurance performance in humans. <i>Clinical Science</i> , 2003 , 104, 153-62	6.5	70
352	Recommendations for the conduct of clinical trials for drugs to treat or prevent sarcopenia. <i>Aging Clinical and Experimental Research</i> , 2016 , 28, 47-58	4.8	69
351	Coingestion of carbohydrate and protein hydrolysate stimulates muscle protein synthesis during exercise in young men, with no further increase during subsequent overnight recovery. <i>Journal of Nutrition</i> , 2008 , 138, 2198-204	4.1	69
350	Nutritional interventions to promote post-exercise muscle protein synthesis. <i>Sports Medicine</i> , 2007 , 37, 895-906	10.6	69
349	Effect of training status on fuel selection during submaximal exercise with glucose ingestion. <i>Journal of Applied Physiology</i> , 1999 , 87, 1413-20	3.7	69
348	Low vitamin D status is associated with reduced muscle mass and impaired physical performance in frail elderly people. <i>European Journal of Clinical Nutrition</i> , 2013 , 67, 1050-5	5.2	68
347	Beetroot juice supplementation reduces whole body oxygen consumption but does not improve indices of mitochondrial efficiency in human skeletal muscle. <i>Journal of Physiology</i> , 2016 , 594, 421-35	3.9	68
346	Lipid-induced insulin resistance is associated with an impaired skeletal muscle protein synthetic response to amino acid ingestion in healthy young men. <i>Diabetes</i> , 2015 , 64, 1615-20	0.9	67
345	Intramyocellular lipid content is increased after exercise in nonexercising human skeletal muscle. <i>Journal of Applied Physiology</i> , 2003 , 95, 2328-32	3.7	67
344	Creatine supplementation increases glycogen storage but not GLUT-4 expression in human skeletal muscle. <i>Clinical Science</i> , 2004 , 106, 99-106	6.5	67
343	High-fat/low-carbohydrate diet reduces insulin-stimulated carbohydrate oxidation but stimulates nonoxidative glucose disposal in humans: An important role for skeletal muscle pyruvate dehydrogenase kinase 4. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 284-92	5.6	66
342	Eccentric exercise increases satellite cell content in type II muscle fibers. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 230-7	1.2	65
341	Dietary Protein Intake in Dutch Elderly People: A Focus on Protein Sources. <i>Nutrients</i> , 2015 , 7, 9697-706	6.7	64
340	Reduced satellite cell numbers with spinal cord injury and aging in humans. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 2322-30	1.2	64
339	Protein coingestion stimulates muscle protein synthesis during resistance-type exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E70-7	6	64
338	Dietary protein for athletes: From requirements to optimum adaptation. <i>Journal of Sports Sciences</i> , 2011 , 29, S29-S38	3.6	64
337	Handgrip strength does not represent an appropriate measure to evaluate changes in muscle strength during an exercise intervention program in frail older people. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015 , 25, 27-36	4.4	63

336	Ketone Bodies and Exercise Performance: The Next Magic Bullet or Merely Hype?. <i>Sports Medicine</i> , 2017 , 47, 383-391	10.6	63
335	Consideration of insects as a source of dietary protein for human consumption. <i>Nutrition Reviews</i> , 2017 , 75, 1035-1045	6.4	63
334	Long-standing, insulin-treated type 2 diabetes patients with complications respond well to short-term resistance and interval exercise training. <i>European Journal of Endocrinology</i> , 2008 , 158, 163-72	6.5	63
333	Co-ingestion of a protein hydrolysate with or without additional leucine effectively reduces postprandial blood glucose excursions in Type 2 diabetic men. <i>Journal of Nutrition</i> , 2006 , 136, 1294-9	4.1	63
332	Disturbed energy metabolism and muscular dystrophy caused by pure creatine deficiency are reversible by creatine intake. <i>Journal of Physiology</i> , 2013 , 591, 571-92	3.9	62
331	Carbohydrate supplementation during prolonged cycling exercise spares muscle glycogen but does not affect intramyocellular lipid use. <i>Pflugers Archiv European Journal of Physiology</i> , 2007 , 454, 635-47	4.6	62
330	Leucine as a pharmaconutrient in health and disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 71-7	3.8	61
329	The production of intrinsically labeled milk protein provides a functional tool for human nutrition research. <i>Journal of Dairy Science</i> , 2009 , 92, 4812-22	4	61
328	Lipotoxicity plays a key role in the development of both insulin resistance and muscle atrophy in patients with type 2 diabetes. <i>Obesity Reviews</i> , 2019 , 20, 1205-1217	10.6	60
327	Circulating cardiac troponin T exhibits a diurnal rhythm. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1788-95	15.1	60
326	Effect of resistance-type exercise training with or without protein supplementation on cognitive functioning in frail and pre-frail elderly: secondary analysis of a randomized, double-blind, placebo-controlled trial. <i>Mechanisms of Ageing and Development</i> , 2014 , 136-137, 85-93	5.6	60
325	Inhibition of adipose tissue lipolysis increases intramuscular lipid and glycogen use in vivo in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 289, E482-93	6	60
324	Post-Prandial Protein Handling: You Are What You Just Ate. <i>PLoS ONE</i> , 2015 , 10, e0141582	3.7	59
323	The effects of exercise training on fat-mass loss in obese patients during energy intake restriction. <i>Sports Medicine</i> , 2007 , 37, 31-46	10.6	59
322	Neuromuscular electrical stimulation increases muscle protein synthesis in elderly type 2 diabetic men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E614-23	6	58
321	Strategies to maintain skeletal muscle mass in the injured athlete: nutritional considerations and exercise mimetics. <i>European Journal of Sport Science</i> , 2015 , 15, 53-62	3.9	57
320	Protein hydrolysate/leucine co-ingestion reduces the prevalence of hyperglycemia in type 2 diabetic patients. <i>Diabetes Care</i> , 2006 , 29, 2721-2	14.6	57
319	Significant intramyocellular lipid use during prolonged cycling in endurance-trained males as assessed by three different methodologies. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E1715-23	6	57

318	Pre-Sleep Protein Ingestion to Improve the Skeletal Muscle Adaptive Response to Exercise Training. <i>Nutrients</i> , 2016 , 8,	6.7	57
317	The Muscle Metabolome Differs between Healthy and Frail Older Adults. <i>Journal of Proteome Research</i> , 2016 , 15, 499-509	5.6	56
316	Protein Ingestion before Sleep Increases Overnight Muscle Protein Synthesis Rates in Healthy Older Men: A Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2017 , 147, 2252-2261	4.1	56
315	Aggravation of exercise-induced intestinal injury by Ibuprofen in athletes. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 2257-62	1.2	56
314	Influence of prolonged endurance cycling and recovery diet on intramuscular triglyceride content in trained males. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 285, E804-11	6	55
313	Short-term amino acid infusion improves protein balance in critically ill patients. <i>Critical Care</i> , 2015 , 19, 106	10.8	53
312	Dietary protein digestion and absorption are impaired during acute postexercise recovery in young men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R356-61	3.2	53
311	Diurnal Rhythm of Cardiac Troponin: Consequences for the Diagnosis of Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2016 , 62, 1602-1611	5.5	53
310	Resistance exercise increases postprandial muscle protein synthesis in humans. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 144-54	1.2	52
309	Prolonged exercise training increases intramuscular lipid content and perilipin 2 expression in type I muscle fibers of patients with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E1158-65	6	51
308	Influence of acute exercise on hyperglycemia in insulin-treated type 2 diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 2037-44	1.2	50
307	L-citrulline improves splanchnic perfusion and reduces gut injury during exercise. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 2039-46	1.2	49
306	Glycaemic instability is an underestimated problem in Type II diabetes. <i>Clinical Science</i> , 2006 , 111, 119-26	6.5	49
305	Presleep dietary protein-derived amino acids are incorporated in myofibrillar protein during postexercise overnight recovery. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E457-E467	6	48
304	Exercise therapy in type 2 diabetes: is daily exercise required to optimize glycemic control?. <i>Diabetes Care</i> , 2012 , 35, 948-54	14.6	48
303	The Muscle Protein Synthetic Response to Meal Ingestion Following Resistance-Type Exercise. <i>Sports Medicine</i> , 2019 , 49, 185-197	10.6	48
302	Ingestion of glucose or sucrose prevents liver but not muscle glycogen depletion during prolonged endurance-type exercise in trained cyclists. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E1032-9	6	47
301	Postprandial hyperglycemia is highly prevalent throughout the day in type 2 diabetes patients. <i>Diabetes Research and Clinical Practice</i> , 2011 , 93, 31-7	7.4	47

300	Resistance Training Increases Skeletal Muscle Capillarization in Healthy Older Men. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2157-2164	1.2	47
299	Beetroot Juice Increases Human Muscle Force without Changing Ca ²⁺ -Handling Proteins. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2016-2024	1.2	46
298	What is the Optimal Amount of Protein to Support Post-Exercise Skeletal Muscle Reconditioning in the Older Adult?. <i>Sports Medicine</i> , 2016 , 46, 1205-12	10.6	46
297	Muscle disuse atrophy is not accompanied by changes in skeletal muscle satellite cell content. <i>Clinical Science</i> , 2014 , 126, 557-66	6.5	46
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292	The muscle protein synthetic response to food ingestion. <i>Meat Science</i> , 2015 , 109, 96-100	6.4	45
291	Protein ingestion further augments S6K1 phosphorylation in skeletal muscle following resistance type exercise in males. <i>Journal of Nutrition</i> , 2007 , 137, 1880-6	4.1	45
290	Resistance Exercise Augments Postprandial Overnight Muscle Protein Synthesis Rates. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2517-2525	1.2	45
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287	Physical Activity Performed in the Evening Increases the Overnight Muscle Protein Synthetic Response to Presleep Protein Ingestion in Older Men. <i>Journal of Nutrition</i> , 2016 , 146, 1307-14	4.1	43
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282	A single bout of exercise activates skeletal muscle satellite cells during subsequent overnight recovery. <i>Experimental Physiology</i> , 2012 , 97, 762-73	2.4	41
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201	Impact of caffeine and protein on postexercise muscle glycogen synthesis. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 692-700	1.2	22
200	The muscle protein synthetic response to carbohydrate and protein ingestion is not impaired in men with longstanding type 2 diabetes. <i>Journal of Nutrition</i> , 2008 , 138, 1079-85	4.1	22
199	The glycation level of milk protein strongly modulates post-prandial lysine availability in humans. <i>British Journal of Nutrition</i> , 2020 , 123, 545-552	3.6	22
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197	Daily resistance-type exercise stimulates muscle protein synthesis in vivo in young men. <i>Journal of Applied Physiology</i> , 2018 , 124, 66-75	3.7	21
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182	The effect of prolonged dietary nitrate supplementation on atherosclerosis development. <i>Atherosclerosis</i> , 2016 , 245, 212-21	3.1	18
181	Four weeks of corticosteroid inhalation does not augment maximal power output in endurance athletes. <i>British Journal of Sports Medicine</i> , 2008 , 42, 868-71	10.3	18
180	Muscle fiber capillarization as determining factor on indices of insulin sensitivity in humans. <i>Physiological Reports</i> , 2017 , 5, e13278	2.6	17
179	No effect of beetroot juice supplementation on exercise economy and performance in recreationally active females despite increased torque production. <i>Physiological Reports</i> , 2019 , 7, e13982	2.6	17
178	Fructose co-ingestion to increase carbohydrate availability in athletes. <i>Journal of Physiology</i> , 2019 , 597, 3549-3560	3.9	17
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160	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. <i>Journal of Nutrition</i> , 2019 , 149, 198-209	4.1	14
159	The concept of skeletal muscle memory: Evidence from animal and human studies. <i>Acta Physiologica</i> , 2020 , 229, e13465	5.6	14
158	Differential effects of leucine and leucine-enriched whey protein on skeletal muscle protein synthesis in aged mice. <i>Clinical Nutrition ESPEN</i> , 2018 , 24, 127-133	1.3	14
157	Cholecalciferol or 25-Hydroxycholecalciferol Supplementation Does Not Affect Muscle Strength and Physical Performance in Prefrail and Frail Older Adults. <i>Journal of Nutrition</i> , 2018 , 148, 712-720	4.1	14

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155	In vitro ketone-supported mitochondrial respiration is minimal when other substrates are readily available in cardiac and skeletal muscle. <i>Journal of Physiology</i> , 2020 , 598, 4869-4885	3.9	14
154	The impact of 1-year vitamin D supplementation on vitamin D status in athletes: a dose-response study. <i>European Journal of Clinical Nutrition</i> , 2016 , 70, 1009-14	5.2	14
153	Distinct skeletal muscle molecular responses to pulmonary rehabilitation in chronic obstructive pulmonary disease: a cluster analysis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 311-322	10.3	13
152	End-Stage Renal Disease Patients Lose a Substantial Amount of Amino Acids during Hemodialysis. <i>Journal of Nutrition</i> , 2020 , 150, 1160-1166	4.1	13
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150	In vivo postprandial lipid partitioning in liver and skeletal muscle in prediabetic and diabetic rats. <i>Diabetologia</i> , 2013 , 56, 618-26	10.3	13
149	A Sucrose Mouth Rinse Does Not Improve 1-hr Cycle Time Trial Performance When Performed in the Fasted or Fed State. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015 , 25, 576-83	4.4	13
148	Post-exercise protein synthesis rates are only marginally higher in type I compared with type II muscle fibres following resistance-type exercise. <i>European Journal of Applied Physiology</i> , 2011 , 111, 1871-8	7.4	13
147	Effect of antioxidant supplementation on exercise-induced cardiac troponin release in cyclists: a randomized trial. <i>PLoS ONE</i> , 2013 , 8, e79280	3.7	13
146	Dietary Protein and Physical Activity Interventions to Support Muscle Maintenance in End-Stage Renal Disease Patients on Hemodialysis. <i>Nutrients</i> , 2019 , 11,	6.7	13
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143	Leucine coingestion augments the muscle protein synthetic response to the ingestion of 15 g of protein following resistance exercise in older men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E473-E482	6	12
142	Could intramuscular storage of dietary nitrate contribute to its ergogenic effect? A mini-review. <i>Free Radical Biology and Medicine</i> , 2020 , 152, 295-300	7.8	12
141	The Effect of Beetroot Juice Supplementation on Dynamic Apnea and Intermittent Sprint Performance in Elite Female Water Polo Players. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2018 , 28, 468-473	4.4	12
140	Exceptional body composition changes attributed to collagen peptide supplementation and resistance training in older sarcopenic men. <i>British Journal of Nutrition</i> , 2016 , 116, 569-70	3.6	12
139	Protein synthesis rates of muscle, tendon, ligament, cartilage, and bone tissue in vivo in humans. <i>PLoS ONE</i> , 2019 , 14, e0224745	3.7	12

138	Role of dietary protein in post-exercise muscle reconditioning. <i>Nestle Nutrition Institute Workshop Series</i> , 2013 , 75, 73-83	1.9	12
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135	Sucrose but Not Nitrate Ingestion Reduces Strenuous Cycling-induced Intestinal Injury. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 436-444	1.2	12
134	Time-dependent regulation of postprandial muscle protein synthesis rates after milk protein ingestion in young men. <i>Journal of Applied Physiology</i> , 2019 , 127, 1792-1801	3.7	12
133	Dietary feeding pattern does not modulate the loss of muscle mass or the decline in metabolic health during short-term bed rest. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 316, E536-E545	6	12
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131	Tumour-specific and organ-specific protein synthesis rates in patients with pancreatic cancer. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 549-556	10.3	11
130	Energy expenditure and dietary intake in professional football players in the Dutch Premier League: Implications for nutritional counselling. <i>Journal of Sports Sciences</i> , 2019 , 37, 2759-2767	3.6	11
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128	Increasing Insulin Availability Does Not Augment Postprandial Muscle Protein Synthesis Rates in Healthy Young and Older Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 3978-3988	5.6	11
127	Blood Flow Restriction Only Increases Myofibrillar Protein Synthesis with Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1137-1145	1.2	11
126	Commentaries on Viewpoint: What is the relationship between acute measure of muscle protein synthesis and changes in muscle mass?. <i>Journal of Applied Physiology</i> , 2015 , 118, 498-503	3.7	11
125	Impact of Exercise-Nutritional State Interactions in Patients with Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 720-728	1.2	11
124	Effects of Creatine and Carbohydrate Loading on Cycling Time Trial Performance. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 141-150	1.2	11
123	Effects of acute exercise on lipid content and dietary lipid uptake in liver and skeletal muscle of lean and diabetic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E874-83 ⁶		10
122	The impact of beetroot juice supplementation on muscular endurance, maximal strength and countermovement jump performance. <i>European Journal of Sport Science</i> , 2021 , 21, 871-878	3.9	10
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119	Vinegar co-ingestion does not improve oral glucose tolerance in patients with type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2012 , 26, 460-1	3.2	10
118	Endocrine responses during overnight recovery from exercise: impact of nutrition and relationships with muscle protein synthesis. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2011 , 21, 398-409	4.4	10
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115	Advances in exercise, physical activity, and diabetes mellitus. <i>Diabetes Technology and Therapeutics</i> , 2013 , 15 Suppl 1, S96-106	8.1	9
114	Contribution of nonesterified fatty acids to mitogen-activated protein kinase activation in human skeletal muscle during endurance exercise. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2013 , 23, 201-9	4.4	9
113	Intra-arterial AICA-riboside administration induces NO-dependent vasodilation in vivo in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E759-66	6	9
112	Protein Supplementation Does Not Augment Adaptations to Endurance Exercise Training. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 2041-2049	1.2	9
111	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. <i>American Journal of Clinical Nutrition</i> , 2021 , 113, 548-561	7	9
110	No differences in muscle protein synthesis rates following ingestion of wheat protein, milk protein, and their protein blend in healthy, young males. <i>British Journal of Nutrition</i> , 2021 , 126, 1832-1842	3.6	9
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107	A single day of bed rest, irrespective of energy balance, does not affect skeletal muscle gene expression or insulin sensitivity. <i>Experimental Physiology</i> , 2018 , 103, 860-875	2.4	8
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102	Reduced glycaemic and insulinaemic responses following trehalose ingestion: implications for postprandial substrate use. <i>British Journal of Nutrition</i> , 2009 , 102, 1395-9	3.6	8
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98	Casein Ingestion Does Not Increase Muscle Connective Tissue Protein Synthesis Rates. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 1983-1991	1.2	8
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95	A single session of neuromuscular electrical stimulation does not augment postprandial muscle protein accretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E278-85	6	7
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84	A single bout of strenuous exercise overcomes lipid-induced anabolic resistance to protein ingestion in overweight, middle-aged men. <i>FASEB Journal</i> , 2019 , 33, 7009-7017	0.9	6
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81	Sodium nitrate co-ingestion with protein does not augment postprandial muscle protein synthesis rates in older, type 2 diabetes patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E325-34	6	6
80	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. <i>International Journal of Obesity</i> , 2020 , 44, 929-936	5.5	6
79	Food ingestion in an upright sitting position increases postprandial amino acid availability when compared with food ingestion in a lying down position. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017 , 42, 738-743	3	5
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77	Jejunal Casein Feeding Is Followed by More Rapid Protein Digestion and Amino Acid Absorption When Compared with Gastric Feeding in Healthy Young Men. <i>Journal of Nutrition</i> , 2015 , 145, 2033-8	4.1	5
76	The effect of exercise training on the course of cardiac troponin T and I levels: three independent training studies. <i>Scientific Reports</i> , 2015 , 5, 18320	4.9	5
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72	Fragile bones of elite cyclists: to treat or not to treat?. <i>Journal of Applied Physiology</i> , 2021 ,	3.7	5
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69	Nandrolone decanoate administration does not attenuate muscle atrophy during a short period of disuse. <i>PLoS ONE</i> , 2019 , 14, e0210823	3.7	4
68	Last Word on Viewpoint: Can elite athletes benefit from dietary nitrate supplementation?. <i>Journal of Applied Physiology</i> , 2015 , 119, 770	3.7	4
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63	The Muscle Protein Synthetic Response Following Ingestion of Corn Protein, Milk Protein and Their Protein Blend in Young Males. <i>Current Developments in Nutrition</i> , 2020 , 4, 651-651	0.4	3
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61	A novel in vitro model for the assessment of postnatal myonuclear accretion. <i>Skeletal Muscle</i> , 2018 , 8, 4	5.1	3
60	Last word on viewpoint: the curious case of anabolic resistance: old wives tales or new fables?. <i>Journal of Applied Physiology</i> , 2012 , 112, 1237	3.7	3
59	Endurance-Type Exercise Increases Bulk and Individual Mitochondrial Protein Synthesis Rates in Rats. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2020 , 1-12	4.4	3
58	A White Paper on Collagen Hydrolyzates and Ultrahydrolyzates: Potential Supplements to Support Joint Health in Osteoarthritis?. <i>Current Rheumatology Reports</i> , 2021 , 23, 78	4.9	3
57	Impact of magnesium on bone health in older adults: A systematic review and meta-analysis. <i>Bone</i> , 2022 , 154, 116233	4.7	3
56	Dietary protein interventions to improve nutritional status in end-stage renal disease patients undergoing hemodialysis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2021 , 24, 79-87	3.8	3
55	Exercise Plus Presleep Protein Ingestion Increases Overnight Muscle Connective Tissue Protein Synthesis Rates in Healthy Older Men. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2021 , 31, 217-226	4.4	3
54	Mass spectrometry imaging of L-[ring-C]-labeled phenylalanine and tyrosine kinetics in non-small cell lung carcinoma. <i>Cancer & Metabolism</i> , 2021 , 9, 26	5.4	3
53	Eat like an athlete: insights of sports nutrition science to support active aging in healthy older adults. <i>GeroScience</i> , 2021 , 43, 2485-2495	8.9	3
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51	Myonuclear content and domain size in small versus larger muscle fibres in response to 12 weeks of resistance exercise training in older adults. <i>Acta Physiologica</i> , 2021 , 231, e13599	5.6	3
50	Assessing the whole-body protein synthetic response to feeding in human subjects. <i>Proceedings of the Nutrition Society</i> , 2021 , 80, 139-147	2.9	3
49	Comprehensive assessment of post-prandial protein handling by the application of intrinsically labelled protein in human subjects. <i>Proceedings of the Nutrition Society</i> , 2021 , 80, 221-229	2.9	3

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47	Adipose tissue lipolytic inhibition enhances the gluco-regulatory properties of exercise in type 2 diabetes patients. <i>European Journal of Sport Science</i> , 2018 , 18, 1245-1254	3.9	3
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45	Intermittent versus continuous enteral nutrition attenuates increases in insulin and leptin during short-term bed rest. <i>European Journal of Applied Physiology</i> , 2020 , 120, 2083-2094	3.4	2
44	Reduced fat oxidation during high intensity, submaximal exercise: is the availability of carnitine important?. <i>European Journal of Sport Science</i> , 2013 , 13, 191-199	3.9	2
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41	L-arabinose co-ingestion delays glucose absorption derived from sucrose in healthy men and women: a double-blind, randomised crossover trial. <i>British Journal of Nutrition</i> , 2021 , 1-10	3.6	2
40	Exercise and Nutritional Interventions to Combat Age-Related Muscle Loss 2011 , 289-315		2
39	Higher Levels of Physical Activity Are Associated with Greater Fruit and Vegetable intake in Older Adults. <i>Journal of Nutrition, Health and Aging</i> , 2021 , 25, 230-241	5.2	2
38	Ingestion of Free Amino Acids as Opposed to Intact Protein Increases Amino Acid Absorption but Does Not Further Augment Postprandial Muscle Protein Synthesis Rates. <i>Current Developments in Nutrition</i> , 2020 , 4, 673-673	0.4	1
37	Relative Validity and Reliability of Isometric Lower Extremity Strength Assessment in Older Adults by Using a Handheld Dynamometer.. <i>Sports Health</i> , 2022 , 19417381211063847	4.7	1
36	Low Intensity Exercise Is Equally Effective As High Intensity Exercise Training To Improve Glycemic Control In Obese Type 2 Diabetes Patients. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, S42	1.2	1
35	Basal protein synthesis rates differ between vastus lateralis and rectus abdominis muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 , 12, 769-778	10.3	1
34	Daily Myofibrillar Protein Synthesis Rates in Response to Low- and High-Frequency Resistance Exercise Training in Healthy, Young Men. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2021 , 31, 209-216	4.4	1
33	Whey protein supplementation does not accelerate recovery from a single bout of eccentric exercise. <i>Journal of Sports Sciences</i> , 2021 , 39, 322-331	3.6	1
32	Last Word on Viewpoint: Fragile bones of elite cyclists: to treat or not to treat?. <i>Journal of Applied Physiology</i> , 2021 , 131, 34-35	3.7	1
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29	The effect of minimally invasive surgical aortic valve replacement on postoperative pulmonary and skeletal muscle function. <i>Experimental Physiology</i> , 2019 , 104, 855-865	2.4	0
28	Exercise-Based Interventions to Counteract Skeletal Muscle Mass Loss in People with Cancer: Can We Overcome the Odds?. <i>Sports Medicine</i> , 2022 , 1	10.6	0
27	Increasing Nitrate-Rich Vegetable Intake Lowers Ambulatory Blood Pressure in (pre)Hypertensive Middle-Aged and Older Adults: A 12-Wk Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2021 , 151, 2667-2679	4.1	0
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25	Myofibrillar protein synthesis rates are increased in chronically exercised skeletal muscle despite decreased anabolic signaling.. <i>Scientific Reports</i> , 2022 , 12, 7553	4.9	0
24	Response. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 875	1.2	
23	Reply: Measurement of regional rates of protein synthesis in human brain in vivo with L-[1-11C]-leucine PET. <i>Brain</i> , 2018 , 141, e52	11.2	
22	Dietary Protein as a Trigger for Metabolic Adaptation 2013 , 147-155		
21	Concluding remarks: Nutritional strategies to increase performance capacity. <i>Nestle Nutrition Institute Workshop Series</i> , 2013 , 76, 121-5	1.9	
20	Fructose and Sucrose Ingestion Increase Exogenous Carbohydrate Oxidation Rates During Exercise in Trained Cyclists. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 188	1.2	
19	Kracht- en duurinspanning verbeteren 24-uurs bloedglucosehomeostase bij personen met een verminderde glucosetolerantie bij patiënten met type 2 diabetes. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2013 , 11, 52-53	0	
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16	Proteins, Protein Hydrolysates, and Bioactive Peptides in the Management of Type 2 Diabetes 2009 , 439-460		
15	Hepatic Steatosis Contributes to the Development of Muscle Atrophy Inter-Organ Crosstalk. <i>Frontiers in Endocrinology</i> , 2021 , 12, 733625	5.7	
14	The Combined Ingestion Of Protein And Free Leucine With Carbohydrate Increases Post-exercise Muscle Protein Synthesis. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, S420	1.2	
13	Protein intake is essential to increase S6K1 phosphorylation following exercise. <i>FASEB Journal</i> , 2007 , 21, A837	0.9	

12	The Effects of Acute and Chronic Beetroot Juice Supplementation on Exercise Economy and Time Trial Performance in Recreationally Active Females. <i>FASEB Journal</i> , 2018 , 32, 724.7	0.9
11	Measurement of Muscle, Tendon, Ligament, Cartilage, and Bone Protein Synthesis Rates In Vivo in Humans. <i>FASEB Journal</i> , 2018 , 32, 768.8	0.9
10	Blood Flow Restricted Exercise and Reduced Oxygen Tension Decrease Mitochondrial ROS Emission in Human Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 972-972	1.2
9	Acute lipid administration inhibits amino acid induced phosphorylation of translation repressor 4E-BP1 in human muscle in an apparent mTOR independent manner (LB813). <i>FASEB Journal</i> , 2014 , 28, LB813	0.9
8	Improved myogenic differentiation and myoblast fusion under physiological amino acid concentrations. <i>FASEB Journal</i> , 2009 , 23, LB423	0.9
7	Discrepancy between increased mTORC1 signaling and total muscle protein accretion after leucine stimulation. <i>FASEB Journal</i> , 2010 , 24, 989.22	0.9
6	Neuromuscular electrical stimulation increases muscle protein synthesis rates in type 2 diabetic men. <i>FASEB Journal</i> , 2012 , 26, lb712	0.9
5	Voeding bij intensieve sportbeoefening 2013 , 547-568	
4	Carbohydrate co-ingestion with protein delays dietary protein digestion and absorption but does not modulate postprandial muscle protein accretion. <i>FASEB Journal</i> , 2013 , 27, 249.6	0.9
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2	Impact of Short-term Sedentariness on Week-to-Week Myofibrillar Protein Synthesis Rates in Physically Active Young Men. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 370	1.2
1	The Effects of Protein Type and Added Leucine on Myofibrillar Protein Synthesis Following Concurrent Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 838-839	1.2