Skeletal muscle protein metabolism in the elderly: Inter 'anabolic resistance' of ageing

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Citation Report

#	Article	IF	Citations
1	Lifestyle and Sarcopenia â€“ Etiology, Prevention and Treatment. Rambam Maimonides Medical Journal, 2012, 3, e0024.	0.4	82
2	Nutrient interaction for optimal protein anabolism in resistance exercise. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 226-232.	1.3	29
4	Prevalence, Pathophysiology, Health Consequences and Treatment Options of Obesity in the Elderly: A Guideline. Obesity Facts, 2012, 5, 460-483.	1.6	212
5	Obesity and the Elderly. Journal of Clinical Gastroenterology, 2012, 46, 533-544.	1.1	187
6	Insulinotropic and Muscle Protein Synthetic Effects of Branched-Chain Amino Acids: Potential Therapy for Type 2 Diabetes and Sarcopenia. Nutrients, 2012, 4, 1664-1678.	1.7	58
7	Effects of heat stress on muscle mass and the expression levels of heat shock proteins and lysosomal cathepsin L in soleus muscle of young and aged mice. Molecular and Cellular Biochemistry, 2012, 369, 45-53.	1.4	26
8	Effects of energy-restricted high-protein, low-fat compared with standard-protein, low-fat diets: a meta-analysis of randomized controlled trials. American Journal of Clinical Nutrition, 2012, 96, 1281-1298.	2.2	446
9	Contrarily to whey and high protein diets, dietary free leucine supplementation cannot reverse the lack of recovery of muscle mass after prolonged immobilization during ageing. Journal of Physiology, 2012, 590, 2035-2049.	1.3	50
10	Leucine: a nutrient â€˜triggerâ€™ for muscle anabolism, but what more?. Journal of Physiology, 2012, 590, 2065-2066.	1.3	31
11	Exercise and Amino Acid Anabolic Cell Signaling and the Regulation of Skeletal Muscle Mass. Nutrients, 2012, 4, 740-758.	1.7	38
12	Factors contributing to the variability in muscle ageing. Maturitas, 2012, 73, 197-201.	1.0	59
13	Prevalence Rate and Associated Factors of Sarcopenic Obesity in Korean Elderly Population. Journal of Korean Medical Science, 2012, 27, 748.	1.1	64
14	Improving Regulatory Decisions through Targeted Research: A Case Study Concerning Amino Acids. European Journal of Risk Regulation, 2012, 3, 161-168.	0.8	3
15	Quality of Life in Sarcopenia and Frailty. Calcified Tissue International, 2013, 93, 101-120.	1.5	310
16	â€˜Sarcobesityâ€™: A metabolic conundrum. Maturitas, 2013, 74, 109-113.	1.0	78
17	Mechanisms of skeletal muscle aging: insights from Drosophila and mammalian models. DMM Disease Models and Mechanisms, 2013, 6, 1339-52.	1.2	201
18	Omega-3 fatty acids and changes in LBM: alone or in synergy for better muscle health?. Canadian Journal of Physiology and Pharmacology, 2013, 91, 459-468.	0.7	8
19	Strategies to improve diet in older adults. Proceedings of the Nutrition Society, 2013, 72, 166-172.	0.4	22

#	Article	IF	Citations
20	The heat treatment and the gelation are strong determinants of the kinetics of milk proteins digestion and of the peripheral availability of amino acids. Food Chemistry, 2013, 136, 1203-1212.	4.2	154
21	Nutrition, Aging, and Chronic Low-Grade Systemic Inflammation in Relation to Osteoporosis and Sarcopenia. , 2013, , 1-18.		4
22	Nutritionally essential amino acids and metabolic signaling in aging. Amino Acids, 2013, 45, 431-441.	1.2	57
23	Protein and amino acid supplementation in older humans. Amino Acids, 2013, 44, 1493-1509.	1.2	42
24	Nutritional strategies to attenuate muscle disuse atrophy. Nutrition Reviews, 2013, 71, 195-208.	2.6	169
25	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.	1.8	306
26	The Role of Dietary Protein Intake in the Prevention of Sarcopenia of Aging. Nutrition in Clinical Practice, 2013, 28, 684-690.	1.1	141
27	Towards a Sustainable Dairy Sector: The underappreciated role of dairy protein in the preservation of lean tissue mass in the elderly. International Journal of Dairy Technology, 2013, 66, 317-320.	1.3	1
28	Eggs: Establishing the nutritional benefits. Nutrition Bulletin, 2013, 38, 438-449.	0.8	5
29	Sarcopenia, malnutrition and nutrient density in older people. Post Reproductive Health, 2014, 20, 19-21.	0.3	9
30	Muscle Wasting, Dysfunction, and Inflammaging. , 2014, , 247-254.		2
31	Effects of Different Dietary Proteins and Amino Acids on Skeletal Muscle Hypertrophy in Young Adults After Resistance Exercise. Strength and Conditioning Journal, 2014, 36, 33-42.	0.7	2
32	Improving the outcomes in oncological colorectal surgery. World Journal of Gastroenterology, 2014, 20, 12445.	1.4	43
33	Markers of Human Skeletal Muscle Mitochondrial Biogenesis and Quality Control: Effects of Age and Aerobic Exercise Training. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 371-378.	1.7	138
34	Isotopic decay of urinary or plasma 3â€•methylhistidine as a potential biomarker of pathologic skeletal muscle loss. Journal of Cachexia, Sarcopenia and Muscle, 2014, 5, 19-25.	2.9	40
35	Influence of exercise intensity on training-induced tendon mechanical properties changes in older individuals. Age, 2014, 36, 9657.	3.0	31
36	Dietary Protein Considerations to Support Active Aging. Sports Medicine, 2014, 44, 185-194.	3.1	43
37	COMPARISON BETWEEN CAST IMMOBILIZATION VERSUS VOLAR LOCKING PLATE FIXATION OF DISTAL RADIUS FRACTURES IN ACTIVE ELDERLY PATIENTS, THE ASIAN PERSPECTIVE. Hand Surgery, 2014, 19, 19-23.	0.6	36

#	Article	IF	Citations
38	Nutrient Timing. American Journal of Lifestyle Medicine, 2014, 8, 246-259.	0.8	12
39	Habitual exercise plus dietary supplementation with milk fat globule membrane improves muscle function deficits via neuromuscular development in senescence-accelerated mice. SpringerPlus, 2014, 3, 339.	1.2	34
40	Reductions in Câ€reactive protein in older adults with type 2 diabetes are related to improvements in body composition following a randomized controlled trial of resistance training. Journal of Cachexia, Sarcopenia and Muscle, 2014, 5, 111-120.	2.9	66
41	The muscle mass, omega-3, diet, exercise and lifestyle (MODEL) study â€“ a randomised controlled trial for women who have completed breast cancer treatment. BMC Cancer, 2014, 14, 264.	1.1	11
42	Protein-enriched diet, with the use of lean red meat, combined with progressive resistance training enhances lean tissue mass and muscle strength and reduces circulating IL-6 concentrations in elderly women: a cluster randomized controlled trial. American Journal of Clinical Nutrition, 2014, 99, 899-910.	2.2	153
43	The biological time calendar. Biomedicine and Aging Pathology, 2014, 4, 77-89.	0.8	2
45	Exercising Our Brains, Muscles and Cells to Fight the Ageing Process. Science Progress, 2015, 98, 413-415.	1.0	0
46	The effects of a protein enriched diet with lean red meat combined with a multi-modal exercise program on muscle and cognitive health and function in older adults: study protocol for a randomised controlled trial. Trials, 2015, 16, 339.	0.7	34
47	Functional Compromise Reflected by Sarcopenia, Frailty, and Nutritional Depletion Predicts Adverse Postoperative Outcome After Colorectal Cancer Surgery. Annals of Surgery, 2015, 261, 345-352.	2.1	402
48	The Role of Meat in a Healthful Dietary Pattern: Evidence from Menu Modeling. Journal of Nutrition & Food Sciences, 2015, 05, .	1.0	0
49	Consumption of Milk Protein or Whey Protein Results in a Similar Increase in Muscle Protein Synthesis in Middle Aged Men. Nutrients, 2015, 7, 8685-8699.	1.7	66
50	Effects of free leucine supplementation and resistance training on muscle strength and functional status in older adults: a randomized controlled trial. Clinical Interventions in Aging, 2015, 10, 713.	1.3	35
51	Post-Prandial Protein Handling: You Are What You Just Ate. PLoS ONE, 2015, 10, e0141582.	1.1	96
52	Impact of supplementation with amino acids or their metabolites on muscle wasting in patients with critical illness or other muscle wasting illness: a systematic review. Journal of Human Nutrition and Dietetics, 2015, 28, 313-330.	1.3	48
53	Sarcopenia and Critical Illness. Journal of Parenteral and Enteral Nutrition, 2015, 39, 273-281.	1.3	63
54	C57BL/6 life span study: age-related declines in muscle power production and contractile velocity. Age, 2015, 37, 9773.	3.0	54
55	Whey protein and high-volume resistance training in postmenopausal women. Journal of Nutrition, Health and Aging, 2015, 19, 511-517.	1.5	20
56	Loss of Skeletal Muscle Mass During Neoadjuvant Chemoradiotherapy Predicts Postoperative Mortality in Esophageal Cancer Surgery. Annals of Surgical Oncology, 2015, 22, 4445-4452.	0.7	127

#	Article	IF	Citations
57	Clinical and Economic Characteristics of Total Hip Replacement Patients with High Health Care Costs and High Health Care Use. American Journal of Physical Medicine and Rehabilitation, 2015, 94, 269-279.	0.7	1
58	Optimizing Protein in the Older Adult. American Journal of Lifestyle Medicine, 2015, 9, 266-271.	0.8	0
59	Elderly mouse skeletal muscle fibres have a diminished capacity to upregulate NCAM production in response to denervation. Biogerontology, 2015, 16, 811-823.	2.0	18
60	Effects of a Vitamin D and Leucine-Enriched Whey Protein Nutritional Supplement on Measures of Sarcopenia in Older Adults, the PROVIDE Study: A Randomized, Double-Blind, Placebo-Controlled Trial. Journal of the American Medical Directors Association, 2015, 16, 740-747.	1.2	485
61	Bioactive properties of milk proteins in humans: A review. Peptides, 2015, 73, 20-34.	1.2	95
62	Contribution of muscle hypertrophy to strength gain after training in elderly adults. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 2062-2063.	0.9	2
63	Implications of Exercise Training and Distribution of Protein Intake on Molecular Processes Regulating Skeletal Muscle Plasticity. Calcified Tissue International, 2015, 96, 211-221.	1.5	11
64	A high whey proteinâ€“, leucine-, and vitamin Dâ€“enriched supplement preserves muscle mass during intentional weight loss in obese older adults: a double-blind randomized controlled trial. American Journal of Clinical Nutrition, 2015, 101, 279-286.	2.2	181
65	Improving Outcome in Gastrointestinal and Hepatopancreaticobiliary Surgical Oncology by Preoperative Risk Assessment and Optimization of Perioperative Care. , 2016, , .		1
66	Protein Metabolism in the Elderly. , 2016, , 79-97.		0
67	Timing, Optimal Dose and Intake Duration of Dietary Supplements with Evidence-Based Use in Sports Nutrition. Journal of Exercise Nutrition & Biochemistry, 2016, 20, 1-12.	1.3	46
68	The effects of physical prehabilitation in elderly patients undergoing colorectal surgery: a systematic review. Colorectal Disease, 2016, 18, O267-77.	0.7	147
69	Time Course of Resistance Trainingâ€“Induced Muscle Hypertrophy in the Elderly. Journal of Strength and Conditioning Research, 2016, 30, 159-163.	1.0	34
70	The Effect of Resistance Training and Different Sources of Postexercise Protein Supplementation on Muscle Mass and Physical Capacity in Sarcopenic Elderly Men. Journal of Strength and Conditioning Research, 2016, 30, 1680-1687.	1.0	75
71	Special nutrition intervention is required for muscle protective efficacy of physical exercise in elderly people at highest risk of sarcopenia. Physiology International, 2016, 103, 368-376.	0.8	17
72	Lean body mass change over 6 years is associated with dietary leucine intake in an older Danish population. British Journal of Nutrition, 2016, 115, 1556-1562.	1.2	39
73	Periodization Strategies in Older Adults. Medicine and Science in Sports and Exercise, 2016, 48, 2426-2436.	0.2	38
74	Anabolic Resistance. , 2016, , 45-60.		0

#	Article	IF	Citations
75	Disintegration and nutrients release from cheese with different textural properties during in vitro digestion. Food Research International, 2016, 88, 276-283.	2.9	29
76	Creatine supplementation in the aging population: effects on skeletal muscle, bone and brain. Amino Acids, 2016, 48, 1793-1805.	1.2	77
77	Commercial cheeses with different texture have different disintegration and protein/peptide release rates during simulated inÂvitro digestion. International Dairy Journal, 2016, 56, 169-178.	1.5	47
78	Digestion of cooked meat proteins is slightly affected by age as assessed using the dynamic gastrointestinal TIM model and mass spectrometry. Food and Function, 2016, 7, 2682-2691.	2.1	61
79	Texture-modified foods for the elderly: Status, technology and opportunities. Trends in Food Science and Technology, 2016, 57, 156-164.	7.8	134
80	Understanding the sensitivity of muscle protein synthesis to dairy protein in middle-aged men. International Dairy Journal, 2016, 63, 35-41.	1.5	13
81	Dietary Protein, Exercise and Skeletal Muscle: Is There a Synergistic Effect in Older Adults and the Elderly?. , 2016, , 63-75.		4
82	Effect of creatine supplementation and drop-set resistance training in untrained aging adults. Experimental Gerontology, 2016, 83, 112-119.	1.2	34
83	Expression of protocadherin gamma in skeletal muscle tissue is associated with age and muscle weakness. Journal of Cachexia, Sarcopenia and Muscle, 2016, 7, 604-614.	2.9	55
84	The role of exercise, milk, dairy foods and constituent proteins on the prevention and management of sarcopenia. International Journal of Dairy Technology, 2016, 69, 13-21.	1.3	5
85	Increasing Insulin Availability Does Not Augment Postprandial Muscle Protein Synthesis Rates in Healthy Young and Older Men. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3978-3988.	1.8	19
86	Impacts of High-Protein Oral Nutritional Supplements Among Malnourished Men and Women with Sarcopenia: A Multicenter, Randomized, Double-Blinded, Controlled Trial. Journal of the American Medical Directors Association, 2016, 17, 1044-1055.	1.2	111
87	Effect of Oral Branched-Chain Amino Acid Supplementation Prior to Resistance Exercise on Metabolic Hormones, Plasma Amino Acids, and Serum Indices of Muscle Damage in the Recovery Period. Topics in Clinical Nutrition, 2016, 31, 346-354.	0.2	7
88	Differential effects of leucine supplementation in young and aged mice at the onset of skeletal muscle regeneration. Mechanisms of Ageing and Development, 2016, 157, 7-16.	2.2	19
89	Effects of low-dose ibuprofen supplementation and resistance training on bone and muscle in postmenopausal women: A randomized controlled trial. Bone Reports, 2016, 5, 96-103.	0.2	23
90	Muscle strength gains during resistance exercise training are attenuated with soy compared with dairy or usual protein intake in older adults: A randomized controlled trial. Clinical Nutrition, 2016, 35, 27-33.	2.3	37
91	Leucine supplementation is anti-atrophic during paradoxical sleep deprivation in rats. Amino Acids, 2016, 48, 949-957.	1.2	23
92	Milk Protein Hydrolysates and Bioactive Peptides. , 2016, , 417-482.		38

#	Article	IF	Citations
93	Protein intake and lean body mass preservation during energy intake restriction in overweight older adults. International Journal of Obesity, 2016, 40, 299-304.	1.6	45
94	Prehabilitation with Whey Protein Supplementation on Perioperative Functional Exercise Capacity in Patients Undergoing Colorectal Resection for Cancer: A Pilot Double-Blinded Randomized Placebo-Controlled Trial. Journal of the Academy of Nutrition and Dietetics, 2016, 116, 802-812.	0.4	123
95	Effects of combination of whey protein intake and rehabilitation on muscle strength and daily movements in patients with hip fracture in the early postoperative period. Clinical Nutrition, 2016, 35, 943-949.	2.3	28
96	Exploration of the protein requirement during weight loss in obese older adults. Clinical Nutrition, 2016, 35, 394-398.	2.3	27
97	Outcome of a Targeted Nutritional Intervention Among Older Adults With Early-Stage Alzheimerâ€™s Disease: The Nutrition Intervention Study. Journal of Applied Gerontology, 2017, 36, 782-807.	1.0	8
98	Blood flow restriction training in clinical musculoskeletal rehabilitation: a systematic review and meta-analysis. British Journal of Sports Medicine, 2017, 51, 1003-1011.	3.1	396
99	Effect of a high protein diet and/or resistance exercise on the preservation of fat free mass during weight loss in overweight and obese older adults: a randomized controlled trial. Nutrition Journal, 2017, 16, 10.	1.5	73
100	The efficacy of periodised resistance training on neuromuscular adaptation in older adults. European Journal of Applied Physiology, 2017, 117, 1181-1194.	1.2	22
101	Skeletal muscle morphology and regulatory signalling in endurance-trained and sedentary individuals: The influence of ageing. Experimental Gerontology, 2017, 93, 54-67.	1.2	34
102	Muscle growth: To infinity and beyond?. Muscle and Nerve, 2017, 56, 1022-1030.	1.0	33
103	Transthyretin Concentrations in Acute Stroke Patients Predict Convalescent Rehabilitation. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 1375-1382.	0.7	11
104	Exercise and nutritional approaches to prevent frail bones, falls and fractures: an update. Climacteric, 2017, 20, 119-124.	1.1	60
105	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.	1.2	18
106	Twelve weeksâ€™ progressive resistance training combined with protein supplementation beyond habitual intakes increases upper leg lean tissue mass, muscle strength and extended gait speed in healthy older women. Biogerontology, 2017, 18, 881-891.	2.0	26
107	Frailty and nutrition: From epidemiological and clinical evidence to potential mechanisms. Metabolism: Clinical and Experimental, 2017, 68, 64-76.	1.5	119
108	Effect of light-load resistance exercise on postprandial amino acid transporter expression in elderly men. Physiological Reports, 2017, 5, e13444.	0.7	13
109	Physiology of ageing of the musculoskeletal system. Best Practice and Research in Clinical Rheumatology, 2017, 31, 203-217.	1.4	39
110	The role of omega-3 fatty acids in skeletal muscle anabolism, strength, and function in healthy and diseased states. Journal of Food Biochemistry, 2017, 41, e12435.	1.2	3

#	Article	IF	Citations
111	Effects of progressive resistance training combined with a protein-enriched lean red meat diet on health-related quality of life in elderly women: secondary analysis of a 4-month cluster randomised controlled trial. British Journal of Nutrition, 2017, 117, 1550-1559.	1.2	17
112	Milk fat globule membrane supplementation with voluntary running exercise attenuates age-related motor dysfunction by suppressing neuromuscular junction abnormalities in mice. Experimental Gerontology, 2017, 97, 29-37.	1.2	14
113	Separation and purification of the bovine milk fat globule membrane protein and its effect on improvement of C₂C₁₂mouse skeletal muscle cell proliferation. New Journal of Chemistry, 2017, 41, 6530-6539.	1.4	9
114	Role of Inactivity in Chronic Diseases: Evolutionary Insight and Pathophysiological Mechanisms. Physiological Reviews, 2017, 97, 1351-1402.	13.1	422
115	Different protein and derivatives supplementation strategies combined with resistance training in pre-frail and frail elderly: Rationale and protocol for the â€œPro-Elderlyâ€•Study. Nutrition and Health, 2017, 23, 251-260.	0.6	7
116	Murine myoblast migration: influence of replicative ageing and nutrition. Biogerontology, 2017, 18, 947-964.	2.0	8
117	Dietary protein supplementation in the elderly for limiting muscle mass loss. Amino Acids, 2017, 49, 33-47.	1.2	39
118	Higher Protein Intake Does Not Improve Lean Mass Gain When Compared with RDA Recommendation in Postmenopausal Women Following Resistance Exercise Protocol: A Randomized Clinical Trial. Nutrients, 2017, 9, 1007.	1.7	25
119	Amount, Distribution, and Quality of Protein Intake Are Not Associated with Muscle Mass, Strength, and Power in Healthy Older Adults without Functional Limitationsâ€”An enable Study. Nutrients, 2017, 9, 1358.	1.7	41
120	Stroke in Frail Older People. Geriatrics (Switzerland), 2017, 2, 24.	0.6	16
121	Novel essential amino acid supplements enriched with L-leucine facilitate increased protein and energy intakes in older women: a randomised controlled trial. Nutrition Journal, 2017, 16, 75.	1.5	15
122	Resistance training regulates gene expression of molecules associated with intramyocellular lipids, glucose signaling and fiber size in old rats. Scientific Reports, 2017, 7, 8593.	1.6	30
123	Systematic review and meta-analysis of the effect of protein and amino acid supplements in older adults with acute or chronic conditions. British Journal of Nutrition, 2018, 119, 527-542.	1.2	44
126	Milk fat globule membrane protein promotes C2C12 cell proliferation through the PI3K/Akt signaling pathway. International Journal of Biological Macromolecules, 2018, 114, 1305-1314.	3.6	20
127	The impact of whey protein supplementation in older adults on nutrient intakes and satiety over an 11-week exercise intervention. Food Quality and Preference, 2018, 68, 72-79.	2.3	3
128	Effects of Whey Protein Supplementation Associated With Resistance Training on Muscular Strength, Hypertrophy, and Muscle Quality in Preconditioned Older Women. International Journal of Sport Nutrition and Exercise Metabolism, 2018, 28, 528-535.	1.0	32
129	The use of neuromuscular electrical stimulation (NMES) for managing the complications of ageing related to reduced exercise participation. Maturitas, 2018, 113, 13-20.	1.0	18
130	No Difference Between the Effects of Supplementing With Soy Protein Versus Animal Protein on Gains in Muscle Mass and Strength in Response to Resistance Exercise. International Journal of Sport Nutrition and Exercise Metabolism, 2018, 28, 674-685.	1.0	55

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131	Routine Yoga Practice Impacts Whole Body Protein Utilization in Healthy Women. Journal of Aging and Physical Activity, 2018, 26, 68-74.	0.5	1
132	Effects of Low-Dose Dairy Protein Plus Micronutrient Supplementation during Resistance Exercise on Muscle Mass and Physical Performance in Older Adults: A Randomized, Controlled Trial. Journal of Nutrition, Health and Aging, 2018, 22, 59-67.	1.5	22
133	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.	1.2	32
134	The prevalence of sarcopenia is markedly increased in patients with intestinal failure and associates with several risk factors. Clinical Nutrition, 2018, 37, 2029-2035.	2.3	24
135	Skeletal muscle performance and ageing. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 3-19.	2.9	491
136	Improving Perioperative Functional Capacity: A Case for Prehabilitation. , 2018, , 73-84.		0
137	Effects of pharmacopuncture with wild ginseng complex in 2 elderly patients with obesity. Medicine (United States), 2018, 97, e11534.	0.4	8
138	Effects of protein supplementation on lean body mass, muscle strength, and physical performance in nonfrail community-dwelling older adults: a systematic review and meta-analysis. American Journal of Clinical Nutrition, 2018, 108, 1043-1059.	2.2	90
139	Nutmeg Extract Increases Skeletal Muscle Mass in Aging Rats Partly via IGF1-AKT-mTOR Pathway and Inhibition of Autophagy. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-8.	0.5	25
140	Nutrition and physical performance in older peopleâ€"effects of marine protein hydrolysates to prevent decline in physical performance: a randomised controlled trial protocol. BMJ Open, 2018, 8, e023845.	0.8	11
141	Do Aspects of Protein Intake Vary Across the Week in Healthy Community-Dwelling Older Adults?â€"An enable Study. Nutrients, 2018, 10, 1217.	1.7	4
143	Effects of Whey Protein Supplementation Pre- or Post-Resistance Training on Muscle Mass, Muscular Strength, and Functional Capacity in Pre-Conditioned Older Women: A Randomized Clinical Trial. Nutrients, 2018, 10, 563.	1.7	54
144	Dietary Protein and Muscle in Aging People: The Potential Role of the Gut Microbiome. Nutrients, 2018, 10, 929.	1.7	80
145	Efficacy of Age-Specific High-Intensity Stretch-Shortening Contractions in Reversing Dynapenia, Sarcopenia, and Loss of Skeletal Muscle Quality. Journal of Functional Morphology and Kinesiology, 2018, 3, 36.	1.1	10
146	Nutrition in the Very Old. Nutrients, 2018, 10, 269.	1.7	52
147	Exercise and Nutrition Strategies to Counteract Sarcopenic Obesity. Nutrients, 2018, 10, 605.	1.7	103
148	A modified frailty index predicts adverse outcomes among patients with colon cancer undergoing surgical intervention. American Journal of Surgery, 2018, 216, 1090-1094.	0.9	37
149	A randomised controlled intervention study investigating the efficacy of carotenoid-rich fruits and vegetables and extra-virgin olive oil on attenuating sarcopenic symptomology in overweight and obese older adults during energy intake restriction: protocol paper. BMC Geriatrics, 2018, 18, 2.	1.1	21

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150	Comparable Rates of Integrated Myofibrillar Protein Synthesis Between Endurance-Trained Master Athletes and Untrained Older Individuals. Frontiers in Physiology, 2019, 10, 1084.	1.3	16
151	Beneficial Effects of Leucine Supplementation on Criteria for Sarcopenia: A Systematic Review. Nutrients, 2019, 11, 2504.	1.7	67
152	Continuous Supplementation of Milk Fat Globule Membrane with Habitual Exercise from a Young Age Improves Motor Coordination and Skeletal Muscle Function in Aged Mice. Journal of Nutritional Science and Vitaminology, 2019, 65, 405-413.	0.2	7
153	The Role of the IGF-1 Signaling Cascade in Muscle Protein Synthesis and Anabolic Resistance in Aging Skeletal Muscle. Frontiers in Nutrition, 2019, 6, 146.	1.6	87
154	Nutritional Strategies to Combat Type 2 Diabetes in Aging Adults: The Importance of Protein. Frontiers in Nutrition, 2019, 6, 138.	1.6	25
155	Moderate Intensity Resistive Training Reduces Oxidative Stress and Improves Muscle Mass and Function in Older Individuals. Antioxidants, 2019, 8, 431.	2.2	29
156	Effects of Leucine-Enriched Whey Protein Supplementation on Physical Function in Post-Hospitalized Older Adults Participating in 12-Weeks of Resistance Training Program: A Randomized Controlled Trial. Nutrients, 2019, 11, 2337.	1.7	29
158	Effects of Protein Intake Beyond Habitual Intakes Associated With Resistance Training on Metabolic Syndrome-Related Parameters, Isokinetic Strength, and Body Composition in Older Women. Journal of Aging and Physical Activity, 2019, 27, 545-552.	0.5	7
159	Moderate Increase in Protein Intake Promotes a Small Additional Improvement in Functional Capacity, But Not in Muscle Strength and Lean Mass Quality, in Postmenopausal Women Following Resistance Exercise: A Randomized Clinical Trial. Nutrients, 2019, 11, 1323.	1.7	9
160	Does Beef Protein Supplementation Improve Body Composition and Exercise Performance? A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Nutrients, 2019, 11, 1429.	1.7	23
161	The Impact of Step Reduction on Muscle Health in Aging: Protein and Exercise as Countermeasures. Frontiers in Nutrition, 2019, 6, 75.	1.6	79
162	Mitochondria and Agingâ€"The Role of Exercise as a Countermeasure. Biology, 2019, 8, 40.	1.3	58
163	Lactobacillus paracasei PS23 decelerated age-related muscle loss by ensuring mitochondrial function in SAMP8 mice. Aging, 2019, 11, 756-770.	1.4	52
164	Î˙cute effects of essential amino acid gel-based and whey protein supplements on appetite and energy intake in older women. Applied Physiology, Nutrition and Metabolism, 2019, 44, 1141-1149.	0.9	12
165	Protein supplementation improves lean body mass in physically active older adults: a randomized placeboâ€controlled trial. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 298-310.	2.9	61
166	Effects of higher habitual protein intake on resistance-training-induced changes in body composition and muscular strength in untrained older women: A clinical trial study. Nutrition and Health, 2019, 25, 103-112.	0.6	8
167	Nutritional and Pharmacological Interventions to Expedite Recovery Following Muscle-Damaging Exercise in Older Adults: A Narrative Review of the Literature. Journal of Aging and Physical Activity, 2019, 27, 914-928.	0.5	7
168	Dietary Patterns, Skeletal Muscle Health, and Sarcopenia in Older Adults. Nutrients, 2019, 11, 745.	1.7	135

#	Article	IF	Citations
169	Aging Muscle and Sarcopenia. , 2019, , 120-120.		4
170	La place des lipides dans les complÃ©ments nutritionnels oraux (CNO). OCL - Oilseeds and Fats, Crops and Lipids, 2019, 26, 31.	0.6	1
171	Use of Blood Flow Restriction Training for Postoperative Rehabilitation. Current Sports Medicine Reports, 2019, 18, 224-228.	0.5	8
172	Impaired proteostasis during skeletal muscle aging. Free Radical Biology and Medicine, 2019, 132, 58-66.	1.3	89
173	Dietary protein intake and upper leg muscle strength in subjects with knee osteoarthritis: data from the osteoarthritis initiative. Rheumatology International, 2019, 39, 277-284.	1.5	13
174	Daily and per-meal animal and plant protein intake in relation to muscle mass in healthy older adults without functional limitations: an enable study. Aging Clinical and Experimental Research, 2019, 31, 1271-1281.	1.4	17
175	The Importance of mTOR Trafficking for Human Skeletal Muscle Translational Control. Exercise and Sport Sciences Reviews, 2019, 47, 46-53.	1.6	41
176	Nutrition in Combat Sports. , 2019, , 109-122.		4
177	Understanding the Role of Exercise in Cancer Cachexia Therapy. American Journal of Lifestyle Medicine, 2019, 13, 46-60.	0.8	53
178	A high whey protein, vitamin D and E supplement preserves muscle mass, strength, and quality of life in sarcopenic older adults: AÂdouble-blind randomized controlled trial. Clinical Nutrition, 2019, 38, 159-164.	2.3	99
179	The effect of protein supplements on functional frailty in older persons: A systematic review and meta-analysis. Archives of Gerontology and Geriatrics, 2020, 86, 103938.	1.4	26
180	Sarcopenia: Tilting the Balance of Protein Homeostasis. Proteomics, 2020, 20, e1800411.	1.3	25
181	Characteristics of sarcopenia by European consensuses and a phenotype score. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 497-504.	2.9	34
182	Land-walking vs. water-walking interventions in older adults: Effects on aerobic fitness. Journal of Sport and Health Science, 2020, 9, 274-282.	3.3	12
183	A Critical Review of Exercise Training in Hemodialysis Patients: Personalized Activity Prescriptions Are Needed. Exercise and Sport Sciences Reviews, 2020, 48, 28-39.	1.6	38
184	Resistance exercise with anti-inflammatory foods attenuates skeletal muscle atrophy induced by chronic inflammation. Journal of Applied Physiology, 2020, 128, 197-211.	1.2	9
185	Care of the Geriatric Colorectal Surgical Patient and Framework for Creating a Geriatric Program: A Compendium From the 2019 American Society of Colon and Rectal Surgeons Annual Meeting. Diseases of the Colon and Rectum, 2020, 63, 1489-1495.	0.7	12
186	The association between dietary acid load and muscle strength among Iranian adults. BMC Research Notes, 2020, 13, 476.	0.6	4

#	Article	IF	Citations
187	Effects of high-protein diet combined with exercise to counteract frailty in pre-frail and frail community-dwelling older adults: study protocol for a three-arm randomized controlled trial. Trials, 2020, 21, 637.	0.7	8
188	Inflammation and metabolism: the role of adiposity in sarcopenic obesity. Proceedings of the Nutrition Society, 2020, 79, 435-447.	0.4	15
189	Novel Essential Amino Acid Supplements Following Resistance Exercise Induce Aminoacidemia and Enhance Anabolic Signaling Irrespective of Age: A Proof-of-Concept Trial. Nutrients, 2020, 12, 2067.	1.7	6
190	Osteosarcopenia: beyond age-related muscle and bone loss. European Geriatric Medicine, 2020, 11, 715-724.	1.2	23
191	Sarcopenia in chronic liver disease: mechanisms and countermeasures. American Journal of Physiology - Renal Physiology, 2021, 320, G241-G257.	1.6	33
192	Trajectories of Body Composition during Advanced Aging in Consideration of Diet and Physical Activity: A 20-Year Longitudinal Study. Nutrients, 2020, 12, 3626.	1.7	8
193	Plant Proteins: Assessing Their Nutritional Quality and Effects on Health and Physical Function. Nutrients, 2020, 12, 3704.	1.7	189
194	Exercise as a therapy for cancer-induced muscle wasting. Sports Medicine and Health Science, 2020, 2, 186-194.	0.7	10
195	Improvements in skeletal muscle fiber size with resistance training are age-dependent in older adults: a systematic review and meta-analysis. Journal of Applied Physiology, 2020, 129, 392-403.	1.2	24
196	Impact of Protein Intake in Older Adults with Sarcopenia and Obesity: A Gut Microbiota Perspective. Nutrients, 2020, 12, 2285.	1.7	47
197	A Five-Ingredient Nutritional Supplement and Home-Based Resistance Exercise Improve Lean Mass and Strength in Free-Living Elderly. Nutrients, 2020, 12, 2391.	1.7	45
198	Effects of protein supplementation on muscle wasting disorders: A brief update of the evidence. Australasian Journal on Ageing, 2020, 39, 3-10.	0.4	4
199	Docosahexaenoic Acid, a Potential Treatment for Sarcopenia, Modulates the Ubiquitinâ€“Proteasome and the Autophagyâ€“Lysosome Systems. Nutrients, 2020, 12, 2597.	1.7	31
200	High-dose leucine supplementation does not prevent muscle atrophy or strength loss over 7 days of immobilization in healthy young males. American Journal of Clinical Nutrition, 2020, 112, 1368-1381.	2.2	24
201	Protein Intake, Protein Mealtime Distribution and Seafood Consumption in Elderly Norwegians: Associations with Physical Function and Strength. Geriatrics (Switzerland), 2020, 5, 100.	0.6	14
202	Exploring the Impact of Obesity on Skeletal Muscle Function in Older Age. Frontiers in Nutrition, 2020, 7, 569904.	1.6	44
203	Bacillus coagulans GBI-30, 6086 improves amino acid absorption from milk protein. Nutrition and Metabolism, 2020, 17, 93.	1.3	29
204	Lean, fast and strong: Determinants of functional performance in the elderly. Clinical Biomechanics, 2020, 78, 105073.	0.5	18

#	Article	IF	Citations
205	Rate and Determinants of Excessive Fat-Free Mass Loss After Bariatric Surgery. Obesity Surgery, 2020, 30, 3119-3126.	1.1	26
206	Risk Assessment of Sarcopenia in Patients With Type 2 Diabetes Mellitus Using Data Mining Methods. Frontiers in Endocrinology, 2020, 11, 123.	1.5	15
207	Traditional and elastic resistance training enhances functionality and lipid profile in the elderly. Experimental Gerontology, 2020, 135, 110921.	1.2	1
208	The Relationship Between Healthy Eating Motivation and Protein Intake in Community-Dwelling Older Adults With Varying Functional Status. Nutrients, 2020, 12, 662.	1.7	1
209	Drum Communication Program Intervention in Older Adults With Cognitive Impairment and Dementia at Nursing Home: Preliminary Evidence From Pilot Randomized Controlled Trial. Frontiers in Aging Neuroscience, 2020, 12, 142.	1.7	5
210	The Impact of Protein Supplementation on Exercise-Induced Muscle Damage, Soreness and Fatigue Following Prolonged Walking Exercise in Vital Older Adults: A Randomized Double-Blind Placebo-Controlled Trial. Nutrients, 2020, 12, 1806.	1.7	5
211	Hallmarks of frailty and osteosarcopenia in prematurely aged PolgA^(D257A/D257A) mice. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1121-1140.	2.9	17
212	Effect of Calanus Oil Supplementation and 16 Week Exercise Program on Selected Fitness Parameters in Older Women. Nutrients, 2020, 12, 481.	1.7	15
213	Prehabilitation: finally utilizing frailty screening data. European Journal of Surgical Oncology, 2020, 46, 321-325.	0.5	23
214	Protein intake in older people. Zeitschrift Fur Gerontologie Und Geriatrie, 2020, 53, 285-289.	0.8	14
215	Dairy foods and maintenance of muscle mass in the elderly. , 2020, , 371-405.		0
216	From preoperative assessment to preoperative optimization of frail older patiens. European Journal of Surgical Oncology, 2021, 47, 519-523.	0.5	22
217	Dietary protein, exercise, ageing and physical inactivity: interactive influences on skeletal muscle proteostasis. Proceedings of the Nutrition Society, 2021, 80, 106-117.	0.4	12
218	Myogenic, genomic and nonâ€genomic influences of the vitamin D axis in skeletal muscle. Cell Biochemistry and Function, 2021, 39, 48-59.	1.4	19
219	Protein intake is not associated with functional biomarkers of physical frailty: A cross-sectional analysis of community-dwelling older adults with type 2 diabetes mellitus. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 827-833.	1.1	4
220	Molecular and neural adaptations to neuromuscular electrical stimulation; Implications for ageing muscle. Mechanisms of Ageing and Development, 2021, 193, 111402.	2.2	19
221	Doseâ€“response relationship between protein intake and muscle mass increase: a systematic review and meta-analysis of randomized controlled trials. Nutrition Reviews, 2021, 79, 66-75.	2.6	45
222	The efficacy of essential amino acid supplementation for augmenting dietary protein intake in older adults: implications for skeletal muscle mass, strength and function. Proceedings of the Nutrition Society, 2021, 80, 230-242.	0.4	21

#	Article	IF	Citations
223	Dietary approaches to maintaining muscle mass. , 2021, , 81-107.		0
224	The Effect of Whole Egg Intake on Muscle Mass: Are the Yolk and Its Nutrients Important?. International Journal of Sport Nutrition and Exercise Metabolism, 2021, , 1-8.	1.0	6
225	New Therapeutic Approaches and Biomarkers for Increased Healthspan. Advances in Experimental Medicine and Biology, 2021, 1286, 1-13.	0.8	0
227	Analysis of Human Faecal Host Proteins: Responsiveness to 10-Week Dietary Intervention Modifying Dietary Protein Intake in Elderly Males. Frontiers in Nutrition, 2020, 7, 595905.	1.6	3
229	Recent advances and future avenues in understanding the role of adipose tissue cross talk in mediating skeletal muscle mass and function with ageing. GeroScience, 2021, 43, 85-110.	2.1	17
230	Animal Protein versus Plant Protein in Supporting Lean Mass and Muscle Strength: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Nutrients, 2021, 13, 661.	1.7	58
231	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.	1.2	34
232	Sarcopenia in Inflammatory Bowel Disease: A Narrative Overview. Nutrients, 2021, 13, 656.	1.7	44
233	Lower body extremity function is associated with health-related quality of life: a cross-sectional analysis of overweight and obese older adults with and without type 2 diabetes mellitus. Quality of Life Research, 2021, 30, 2265-2273.	1.5	1
234	The ketogenic diet preserves skeletal muscle with aging in mice. Aging Cell, 2021, 20, e13322.	3.0	42
235	Dose-Dependent Effects of Protein Ingestion and Resistance Exercise on Muscle Protein Synthesis in Aging Adults: A Literature Review. , 2021, 5, 1-8.		0
236	Effects of a Long Chain n-3 Polyunsaturated Fatty Acid-rich Multi-ingredient Nutrition Supplement on Body Composition and Physical Function in Older Adults with Low Skeletal Muscle Mass. Journal of Dietary Supplements, 2022, 19, 499-514.	1.4	12
237	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.	1.3	17
238	The role of protein hydrolysates for exercise-induced skeletal muscle recovery and adaptation: a current perspective. Nutrition and Metabolism, 2021, 18, 44.	1.3	16
239	In-Depth Analyses of the Effects of a Diet and Resistance Exercise Intervention in Older Adults: Who Benefits Most From ProMuscle in Practice?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 2204-2212.	1.7	4
240	The biphasic and age-dependent impact of klotho on hallmarks of aging and skeletal muscle function. ELife, 2021, 10, .	2.8	22
241	Isolated Leucine and Branched-Chain Amino Acid Supplementation for Enhancing Muscular Strength and Hypertrophy: A Narrative Review. International Journal of Sport Nutrition and Exercise Metabolism, 2021, 31, 292-301.	1.0	24
242	Influence of Age on Skeletal Muscle Hypertrophy and Atrophy Signaling: Established Paradigms and Unexpected Links. Genes, 2021, 12, 688.	1.0	6

#	Article	IF	Citations
243	Skeletal muscle and childhood cancer: Where are we now and where we go from here. Aging and Cancer, 2021, 2, 13-35.	0.5	19
244	Usual Protein Intake Amount and Sources of Nursing Home Residents with (Risk of) Malnutrition and Effects of an Individualized Nutritional Intervention: An enable Study. Nutrients, 2021, 13, 2168.	1.7	5
245	Evaluating the Leucine Trigger Hypothesis to Explain the Post-prandial Regulation of Muscle Protein Synthesis in Young and Older Adults: A Systematic Review. Frontiers in Nutrition, 2021, 8, 685165.	1.6	26
246	Paradigm shift in gastrointestinal surgery â^' combating sarcopenia with prehabilitation: Multimodal review of clinical and scientific data. World Journal of Gastrointestinal Surgery, 2021, 13, 734-755.	0.8	14
247	An examination of contributions of animal- and plant-based dietary patterns on the nutrient quality of diets of adult Canadians. Applied Physiology, Nutrition and Metabolism, 2021, 46, 877-886.	0.9	16
248	Why Are Masters Sprinters Slower Than Their Younger Counterparts? Physiological, Biomechanical, and Motor Control Related Implications for Training Program Design. Journal of Aging and Physical Activity, 2021, 29, 708-719.	0.5	1
249	How to Overcome Anabolic Resistance in Dialysis-Treated Patients?. Frontiers in Nutrition, 2021, 8, 701386.	1.6	5
250	Impaired skeletal muscle hypertrophy signaling and amino acid deprivation response in Apoe knockout mice with an unhealthy lipoprotein distribution. Scientific Reports, 2021, 11, 16423.	1.6	2
251	Nano branched-chain amino acids enhance the effect of uphill (concentric) and downhill (eccentric) treadmill exercise on muscle gene expression of Akt and mTOR on aged rats. Sport Sciences for Health, 0, , 1.	0.4	1
252	Mesenchymal Stem Cell Transplantation for the Treatment of Age-Related Musculoskeletal Frailty. International Journal of Molecular Sciences, 2021, 22, 10542.	1.8	6
253	Influence of IGF-I serum concentration on muscular regeneration capacity in patients with sarcopenia. BMC Musculoskeletal Disorders, 2021, 22, 807.	0.8	7
254	Blood Flow Restriction in Exercise and Rehabilitation. ACSM's Health and Fitness Journal, 2021, 25, 6-9.	0.3	2
255	Sarcopenic metabolomic profile reflected a sarcopenic phenotype associated with amino acid and essential fatty acid changes. Metabolomics, 2021, 17, 83.	1.4	8
256	Skeletal muscle wasting after a severe burn is a consequence of cachexia and sarcopenia. Journal of Parenteral and Enteral Nutrition, 2021, 45, 1627-1633.	1.3	3
257	Molecular Mechanisms and Treatment of Sarcopenia in Liver Disease: A Review of Current Knowledge. International Journal of Molecular Sciences, 2021, 22, 1425.	1.8	10
258	Limited Benefit of Marine Protein Hydrolysate on Physical Function and Strength in Older Adults: A Randomized Controlled Trial. Marine Drugs, 2021, 19, 62.	2.2	3
259	Exercise in Elderly Cancer Survivors. , 2013, , 181-198.		2
260	The Role of Nutrition in Attenuating Age-Related Skeletal Muscle Atrophy. Advances in Experimental Medicine and Biology, 2020, 1260, 297-318.	0.8	8

#	Article	IF	Citations
261	Blood Flow Restriction Training and Betaine Supplementation as a Novel Combined Modality to Augment Skeletal Muscle Adaptation: A Short Review. Strength and Conditioning Journal, 2021, 43, 50-63.	0.7	5
262	Resistance Training Ameliorates Finasteride-Induced Disturbance in Protein Homeostasis in Skeletal Muscle of Rats. Exercise Science, 2019, 28, 159-167.	0.1	3
263	Mediterranean Diet attenuates risk of frailty and sarcopenia: New insights and future directions. JCSM Clinical Reports, 2017, 2, .	0.5	14
264	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.	1.7	31
265	1. The good egg, the forgotten benefits: protein, carotenoids, choline and glycemic index. Human Health Handbooks, 2015, , 15-34.	0.1	3
266	Protein Intake Recommendation for Korean Older Adults to Prevent Sarcopenia: Expert Consensus by the Korean Geriatric Society and the Korean Nutrition Society. Annals of Geriatric Medicine and Research, 2018, 22, 167-175.	0.7	24
267	Increased Dietary Intake of Proteins for the Prevention and Treatment of Sarcopenic Obesity in the Elderly. The Korean Journal of Obesity, 2013, 22, 77.	0.2	6
268	Dynapenia, gait speed and daily physical activity measured using triaxial accelerometer in older Japanese men. The Journal of Physical Fitness and Sports Medicine, 2014, 3, 147-154.	0.2	16
269	Protein interventions augment the effect of resistance exercise on appendicular lean mass and handgrip strength in older adults: a systematic review and meta-analysis of randomized controlled trials. American Journal of Clinical Nutrition, 2022, 115, 897-913.	2.2	27
270	Determining the Influence of Habitual Dietary Protein Intake on Physiological Muscle Parameters in Youth and Older Age. Nutrients, 2021, 13, 3560.	1.7	0
271	High protein diet-induced metabolic changes are transcriptionally regulated via KLF15-dependent and independent pathways. Biochemical and Biophysical Research Communications, 2021, 582, 35-42.	1.0	6
272	Effectiveness of Whey Protein Supplement in Resistance Trained Individuals. , 2013, 03, .		2
273	Ergogenic Aids and the Female Athlete. , 2014, , 491-515.		0
275	Topic 3. The importance of dairy products in the athleteâ€™s daily nutrition. , 2015, , 143-155.		0
276	PÅ™Ãjem bÃłkovin po odporovÃ©m trÃ©ninku a svalovÃ¡ hypertrofie (pÅ™ehledovÃ¡ prÃ¡ce). Studia Sportiva, 2015, 9, 100-106.	0.0	0
277	Insulinotropic and Muscle Protein Synthetic Effects of Branched-Chain Amino Acids: Potential Therapy for Type Diabetes and Sarcopenia. , 2016, , 87-104.		0
278	Autophagy Flux Is Decreased in Response to Endurance Exercise Training in Aged Mouse Skeletal Muscle. Exercise Science, 2016, 25, 50-59.	0.1	2
280	Comparison of physical fitness, indices of lifestyle disease, and biochemical property of muscle according to sarcopenia and obesity in elderly women. Korean Journal of Sport Science, 2017, 28, 808-823.	0.0	1

#	Article	IF	Citations
282	CHAPTER 1. Eggs as Part of a Healthy Eating Pattern. Food Chemistry, Function and Analysis, 2019, , 1-21.	0.1	0
283	Eggs are a Natural Functional Food. Food Chemistry, Function and Analysis, 2019, , 22-39.	0.1	1
284	ã,µãƒ«ã,³ãƒšãƒ‹ã,¢ï¼Œãƒ•ãƒ¬ãƒã,ãƒ«æ,£è€…ã®å“¨è¡“æœŸæ„ŸæŸ“ç—‡ã®ãƒªã,¹ã,¯ã•æ„éŠç®¡ç†. The Japanese Journal of SURGICAL METAB	0	0
285	Consideration of a New Form of Hydrolysed Beef Powder as a Source of High-Quality Protein for Elderly. [Consideraciones Sobre un Nuevo Hidrolizado en Polvo ExtraÃdo desde la Carne de Vacuno Como fuente de ProteÃnas de Alta Calidad para los Ancianos].. RICYDE Revista Internacional De Ciencias Del Deporte, 2019, 15, 249-253.	0.1	1
286	Tissue loss syndrome as an important predictor of survival and clinical outcome in surgical patients. The Japanese Journal of SURGICAL METABOLISM and NUTRITION, 2020, 54, 109-118.	0.1	0
288	The effect of 4 weeks high-intensity interval training (HIIT) on the content of downstream and upstream mTORC1 pathways gastrocnemius muscle of type 2 diabetic rats. Medical Sciences Journal, 2020, 30, 120-127.	0.1	0
289	Physical Activity and Exercise in Chronic Kidney Disease. , 2020, , 563-582.		0
290	Physical Medicine and Rehabilitation in Knee Osteoarthritis. , 2020, , 11-24.		0
292	Effect of Equal Volume, High-Repetition Resistance Training to Volitional Fatigue, With Different Workout Frequencies, on Muscle Mass and Neuromuscular Performance in Postmenopausal Women. Journal of Strength and Conditioning Research, 2020, Publish Ahead of Print, .	1.0	1
293	Protein for the Pre-Surgical Cancer Patient: a Narrative Review. Current Anesthesiology Reports, 2022, 12, 138-147.	0.9	5
294	Proteasome- and Calpain-Mediated Proteolysis, but Not Autophagy, Is Required for Leucine-Induced Protein Synthesis in C2C12 Myotubes. Physiologia, 2021, 1, 22-33.	0.6	4
296	Heavy resistance training and peri-exercise ingestion of a multi-ingredient ergogenic nutritional supplement in males: effects on body composition, muscle performance and markers of muscle protein synthesis. Journal of Sports Science and Medicine, 2014, 13, 894-903.	0.7	8
297	Individualised physical exercise training and enhanced protein intake in older citizens during municipality-based rehabilitation: protocol for a randomised controlled trial. BMJ Open, 2020, 10, e041605.	0.8	0
298	Skeletal muscle as a treatment target for older adults with diabetes mellitus: The importance of a multimodal intervention based on functional category. Geriatrics and Gerontology International, 2022, 22, 110-120.	0.7	16
299	Individualised physical exercise training and enhanced protein intake in older citizens during municipality-based rehabilitation: protocol for a randomised controlled trial. BMJ Open, 2020, 10, e041605.	0.8	5
300	Breakfast Protein Quality and Muscle Strength in Japanese Older Adults: A Community-Based Longitudinal Study. Journal of the American Medical Directors Association, 2022, 23, 729-735.e2.	1.2	5
301	Skeletal muscle transcriptome response to a bout of endurance exercise in physically active and sedentary older adults. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E260-E277.	1.8	13
302	The Acute Effects of Breakfast Drinks with Varying Protein and Energy Contents on Appetite and Free-Living Energy Intake in UK Older Adults. Geriatrics (Switzerland), 2022, 7, 16.	0.6	1

#	Article	IF	Citations
303	Multifactorial Mechanism of Sarcopenia and Sarcopenic Obesity. Role of Physical Exercise, Microbiota and Myokines. Cells, 2022, 11, 160.	1.8	52
304	Systematic review and metaâ€analysis of protein intake to support muscle mass and function in healthy adults. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 795-810.	2.9	65
305	Senolytic treatment rescues blunted muscle hypertrophy in old mice. GeroScience, 2022, 44, 1925-1940.	2.1	25
306	Plasma omega-3 is not associated with appendicular muscle mass index in young and middle-aged individuals: Results from NHANES 2011-2012. Prostaglandins Leukotrienes and Essential Fatty Acids, 2022, 178, 102412.	1.0	5
307	Effects of Resistance Training Intervention along with Leucine-Enriched Whey Protein Supplementation on Sarcopenia and Frailty in Post-Hospitalized Older Adults: Preliminary Findings of a Randomized Controlled Trial. Journal of Clinical Medicine, 2022, 11, 97.	1.0	6
308	Diet Quality Index for older adults (DQI-65): development and use in predicting adherence to dietary recommendations and health markers in the UK National Diet and Nutrition Survey. British Journal of Nutrition, 2022, 128, 2193-2207.	1.2	2
309	The regulating pathway of creatine on muscular protein metabolism depends on the energy state. American Journal of Physiology - Cell Physiology, 2022, 322, C1022-C1035.	2.1	4
311	Challenges for rapamycin repurposing as a potential therapeutic candidate for COVID-19: implications for skeletal muscle metabolic health in older persons. American Journal of Physiology - Endocrinology and Metabolism, 2022, , .	1.8	0
312	Effects of Lâ€carnitine associated with branchedâ€chain amino acids in response to insulin. The Japanese Journal of SURGICAL METABOLISM and NUTRITION, 2021, 56, 81-89.	0.1	0
313	Effects of Two Short-Term Aerobic Exercises on Cognitive Function in Healthy Older Adults during COVID-19 Confinement in Japan: A Pilot Randomized Controlled Trial. International Journal of Environmental Research and Public Health, 2022, 19, 6202.	1.2	7
314	High Intensity Interval Training: A Potential Method for Treating Sarcopenia. Clinical Interventions in Aging, 0, Volume 17, 857-872.	1.3	10
316	Effect of proteins, amino acids, and other nitrogenated supplements on the skeletal muscle mass in people living with HIV (PLWH): a systematic review. Clinical Nutrition ESPEN, 2022, , .	0.5	0
317	Implication of diet and exercise on the management of ageâ€related sarcopenic obesity in Asians. Geriatrics and Gerontology International, 2022, 22, 695-704.	0.7	10
318	Ablation of Ghrelin Receptor Mitigates the Metabolic Decline of Aging Skeletal Muscle. Genes, 2022, 13, 1368.	1.0	1
319	Essential amino acid enriched meal replacement improves body composition and physical function in obese older adults: A randomized controlled trial. Clinical Nutrition ESPEN, 2022, , .	0.5	0
320	Moderators of Resistance Training Effects in Overweight and Obese Adults: A Systematic Review and Meta-analysis. Medicine and Science in Sports and Exercise, 2022, 54, 1804-1816.	0.2	5
321	Contribution of muscle satellite cells to sarcopenia. Frontiers in Physiology, 0, 13, .	1.3	18
322	The top 100 most-cited articles on exercise therapy for sarcopenia: A bibliometric analysis. Frontiers in Medicine, 0, 9, .	1.2	2

#	Article	IF	Citations
323	Alternative dietary protein sources to support healthy and active skeletal muscle aging. Nutrition Reviews, 2023, 81, 206-230.	2.6	7
324	Leucine Intake and Risk of Impaired Physical Function and Frailty in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2023, 78, 241-249.	1.7	3
325	Review of protein intake and suitability of foods for protein-fortification in older adults in the UK. Critical Reviews in Food Science and Nutrition, 0, , 1-18.	5.4	2
326	Comparing Even with Skewed Dietary Protein Distribution Shows No Difference in Muscle Protein Synthesis or Amino Acid Utilization in Healthy Older Individuals: A Randomized Controlled Trial. Nutrients, 2022, 14, 4442.	1.7	2
327	Inhibiting 5â€lipoxygenase prevents skeletal muscle atrophy by targeting organogenesis signalling and insulinâ€like growth factorâ€1. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 3062-3077.	2.9	6
328	Lifestyle Strategies for the Management of Obesity in Older Adults: From Controversies to Alternative Interventions. Healthcare (Switzerland), 2022, 10, 2107.	1.0	2
329	Sleep, circadian biology and skeletal muscle interactions: Implications for metabolic health. Sleep Medicine Reviews, 2022, 66, 101700.	3.8	17
331	The Influence of n-3PUFA Supplementation on Muscle Strength, Mass, and Function: A Systematic Review and Meta-Analysis. Advances in Nutrition, 2023, 14, 115-127.	2.9	4
332	Probiotic BC30 Improves Amino Acid Absorption from Plant Protein Concentrate in Older Women. Probiotics and Antimicrobial Proteins, 2024, 16, 125-137.	1.9	4
333	Oligonucleotide Therapeutics for Age-Related Musculoskeletal Disorders: Successes and Challenges. Pharmaceutics, 2023, 15, 237.	2.0	3
335	Pathophysiological changes of the liver-muscle axis in end-stage liver disease: what is the right target?. Acta Gastro-Enterologica Belgica, 2022, 85, 611-624.	0.4	12
336	Adaptation and validation of a protein intake screening tool for a UK adult population. Journal of Nutritional Science, 2022, 11, .	0.7	0
337	Exercise and ageing impact the kynurenine/tryptophan pathway and acylcarnitine metabolite pools in skeletal muscle of older adults. Journal of Physiology, 2023, 601, 2165-2188.	1.3	7
338	Resistance Training Guidelines for Active Females Throughout the Lifespan, from Childhood to Elderly. , 2023, , 463-482.		0
339	Association of Different Obesity Phenotypes with Sarcopenia in Han Chinese Middle-Aged and Elderly with Type 2 Diabetes Individuals. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 0, Volume 16, 841-848.	1.1	0
340	Korean Working Group on Sarcopenia Guideline: Expert Consensus on Sarcopenia Screening and Diagnosis by the Korean Society of Sarcopenia, the Korean Society for Bone and Mineral Research, and the Korean Geriatrics Society. Annals of Geriatric Medicine and Research, 2023, 27, 9-21.	0.7	14
344	Protein and Energy Supplements for the Elderly. Sub-Cellular Biochemistry, 2023, , 309-339.	1.0	0
364	Ultrasound quantitative monitoring of muscle quality changes in sarcopenia patients after supervised exercise intervention. , 2023, , .		0

#	Article	IF	Citations
372	Synchronization to Visualization: Dissecting Myogenesis and Regeneration Using Correlative Light and Electron Microscopy (CLEM). Reference Series in Biomedical Engineering, 2024, , 1-16.	0.1	0