Whey protein ingestion in elderly persons results in gree ingestion of its constituent essential amino acid conten

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Citation Report

#	Article	IF	Citations
1	Whey or No Whey?. ACSM's Health and Fitness Journal, 2009, 13, 30-31.	0.6	0
2	Place de l'alpha-cétoglutarate d'ornithine dans le traitement de la sarcopénie. Nutrition Clinique Et Metabolisme, 2009, 23, 137-148.	0.5	2
3	Physiologic and molecular bases of muscle hypertrophy and atrophy: impact of resistance exercise on human skeletal muscle (protein and exercise dose effects)This paper is one of a selection of papers published in this Special Issue, entitled 14th International Biochemistry of Exercise Conference– Muscles as Molecular and Metabolic Machines, and has undergone the Journal's usual peer review	1.9	86
5	A native whey protein extract. Nutrafoods, 2010, 9, 33-37.	0.5	2
6	Ornithine alpha-ketoglutarate: Could it be a new therapeutic option for sarcopenia?. Journal of Nutrition, Health and Aging, 2010, 14, 570-577.	3.3	16
7	Effect of protein/essential amino acids and resistance training on skeletal muscle hypertrophy: A case for whey protein. Nutrition and Metabolism, 2010, 7, 51.	3.0	158
8	Effect of protein intake on bone and muscle mass in the elderly. Nutrition Reviews, 2010, 68, 616-623.	5.8	71
9	Short-term protein intake increases fractional synthesis rate of muscle protein in the elderly: meta-analysis. Nutrition Research and Practice, 2010, 4, 375.	1.9	8
10	Different digestion of caprine whey proteins by human and porcine gastrointestinal enzymes. British Journal of Nutrition, 2010, 104, 374-381.	2.3	60
11	Nutritional aspects of the cancer/aging interface. Journal of Geriatric Oncology, 2011, 2, 177-186.	1.0	12
12	Muscle protein synthesis in cancer patients can be stimulated with a specially formulated medical food. Clinical Nutrition, 2011, 30, 759-768.	5.0	178
13	Similar effects of leucine rich and regular dairy products on muscle mass and functions of older polymyalgia rheumatica patients: A randomized crossover trial. Journal of Nutrition, Health and Aging, 2011, 15, 462-467.	3.3	23
14	Whey proteins. , 2011, , 30-55.		14
15	Greater stimulation of myofibrillar protein synthesis with ingestion of whey protein isolate <i>v.</i> micellar casein at rest and after resistance exercise in elderly men. British Journal of Nutrition, 2012, 108, 958-962.	2.3	229
16	The role of dietary protein in optimizing muscle mass, function and health outcomes in older individuals. British Journal of Nutrition, 2012, 108, S88-S93.	2.3	124
18	Necesidades proteicas de los deportistas y pautas diétetico-nutricionales para la ganancia de masa muscular. Revista Espanola De Nutricion Humana Y Dietetica, 2012, 16, 25-35.	0.3	6
19	Protein Supplementation Improves Physical Performance in Frail Elderly People: A Randomized, Double-Blind, Placebo-Controlled Trial. Journal of the American Medical Directors Association, 2012, 13, 720-726.	2.5	353
20	Whey protein and essential amino acids promote the reduction of adipose tissue and increased muscle protein synthesis during caloric restriction-induced weight loss in elderly, obese individuals. Nutrition Journal, 2012, 11, 105.	3.4	67

TION RE

#	Article	IF	CITATIONS
21	Physiological effects beyond the significant gain in muscle mass in sarcopenic elderly men: evidence from a randomized clinical trial using a protein-rich food. Clinical Interventions in Aging, 2012, 7, 225.	2.9	61
22	Muscle weakness in the elderly: role of sarcopenia, dynapenia, and possibilities for rehabilitation. European Review of Aging and Physical Activity, 2012, 9, 109-117.	2.9	58
23	Do Frail Older Persons Need More Protein?. Journal of the American Medical Directors Association, 2012, 13, 667-668.	2.5	19
24	Sarcopenic obesity in the elderly and strategies for weight management. Nutrition Reviews, 2012, 70, 57-64.	5.8	92
25	Evidence-Based Recommendations for Optimal Dietary Protein Intake in Older People: A Position Paper From the PROT-AGE Study Group. Journal of the American Medical Directors Association, 2013, 14, 542-559.	2.5	1,767
26	Metabolic profiling and biological mechanisms of body fat reduction in mice fed the ethanolic extract of black-colored rice. Food Research International, 2013, 53, 373-390.	6.2	20
27	Influence of Amino Acids, Dietary Protein, and Physical Activity on Muscle Mass Development in Humans. Nutrients, 2013, 5, 852-876.	4.1	72
28	Porvoo sarcopenia and nutrition trial: effects of protein supplementation on functional performance in home-dwelling sarcopenic older people - study protocol for a randomized controlled trial. Trials, 2013, 14, 387.	1.6	16
29	Nutritionally essential amino acids and metabolic signaling in aging. Amino Acids, 2013, 45, 431-441.	2.7	57
30	Protein and amino acid supplementation in older humans. Amino Acids, 2013, 44, 1493-1509.	2.7	42
31	Post-exercise whey protein hydrolysate supplementation induces a greater increase in muscle protein synthesis than its constituent amino acid content. British Journal of Nutrition, 2013, 110, 981-987.	2.3	39
32	MicroRNAs in skeletal muscle and their regulation with exercise, ageing, and disease. Frontiers in Physiology, 2013, 4, 266.	2.8	87
33	Effect of whey protein on plasma amino acids in diabetic mice. Experimental and Therapeutic Medicine, 2013, 6, 1449-1454.	1.8	4
34	Role of whey proteins in combating geriatric disorders. Journal of the Science of Food and Agriculture, 2013, 93, 3662-3669.	3.5	8
35	Nutrient-rich dairy proteins improve appendicular skeletal muscle mass and physical performance, and attenuate the loss of muscle strength in older men and women subjects: a single-blind randomized clinical trial. Clinical Interventions in Aging, 2014, 9, 1517.	2.9	64
36	Nutrition As a Part of Healthy Aging and Reducing Cardiovascular Risk: Improving Functionality in Later Life Using Quality Protein, with Optimized Timing and Distribution. Seminars in Thrombosis and Hemostasis, 2014, 40, 695-703.	2.7	8
37	Leucine-Enriched Amino Acid Ingestion after Resistance Exercise Prolongs Myofibrillar Protein Synthesis and Amino Acid Transporter Expression in Older Men. Journal of Nutrition, 2014, 144, 1694-1702.	2.9	83
38	The World Supply of Food and the Role of Dairy Protein. , 2014, , 1-18.		0

#	Article	IF	CITATIONS
39	The ASMBS Textbook of Bariatric Surgery. , 2014, , .		13
40	Current practices of dietitians in the assessment and management of malnutrition in elderly patients. Nutrition and Dietetics, 2015, 72, 254-260.	1.8	7
41	Dietary Protein Intake in Dutch Elderly People: A Focus on Protein Sources. Nutrients, 2015, 7, 9697-9706.	4.1	86
42	The effectiveness of leucine on muscle protein synthesis, lean body mass and leg lean mass accretion in older people: a systematic review and meta-analysis. British Journal of Nutrition, 2015, 113, 25-34.	2.3	89
43	The Biological Value of Protein. Nestle Nutrition Institute Workshop Series, 2015, 82, 39-51.	0.1	24
44	Tailoring the nutritional regimen in the elderly cancer patient. Nutrition, 2015, 31, 612-614.	2.4	8
45	Feeding critically ill patients the right â€~whey': thinking outside of the box. A personal view. Annals of Intensive Care, 2015, 5, 51.	4.6	57
46	Nutrition in the ICU: It's Whey Cool. , 2015, , 493-512.		0
47	Protein and healthy aging. American Journal of Clinical Nutrition, 2015, 101, 1339S-1345S.	4.7	196
48	Building Muscle Mass: Physiology, Nutrition, and Supplementation. , 2015, , 123-157.		0
49	Citrulline stimulates muscle protein synthesis in the post-absorptive state in healthy people fed a low-protein diet – A pilot study. Clinical Nutrition, 2015, 34, 449-456.	5.0	60
50	Dairy Products and Health: Recent Insights. Journal of Agricultural and Food Chemistry, 2015, 63, 9381-9388.	5.2	105
51	Protein Metabolism in the Elderly. , 2016, , 79-97.		0
52	Improved muscle function and quality after diet intervention with leucine-enriched whey and antioxidants in antioxidant deficient aged mice. Oncotarget, 2016, 7, 17338-17355.	1.8	22
53	Nutrition and Inflammation in Older Individuals: Focus on Vitamin D, n-3 Polyunsaturated Fatty Acids and Whey Proteins. Nutrients, 2016, 8, 186.	4.1	80
54	Protecting Skeletal Muscle with Protein and Amino Acid during Periods of Disuse. Nutrients, 2016, 8, 404.	4.1	33
55	Insulin does not stimulate muscle protein synthesis during increased plasma branched-chain amino acids alone but still decreases whole body proteolysis in humans. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E671-E677.	3.5	19
56	The impact of protein quality on the promotion of resistance exercise-induced changes in muscle mass. Nutrition and Metabolism, 2016, 13, 64.	3.0	108

#	Article	IF	CITATIONS
57	Ameliorating Effects of Sphingomyelin-Based Liposomes on Sarcopenia in Senescence-Accelerated Mice. Biological and Pharmaceutical Bulletin, 2016, 39, 786-793.	1.4	9
58	Protein quality as determined by the Digestible Indispensable Amino Acid Score: evaluation of factors underlying the calculation: Table 1. Nutrition Reviews, 2016, 74, 584-599.	5.8	87
59	Sarcopenic obesity: An appraisal of the current status of knowledge and management in elderly people. Journal of Nutrition, Health and Aging, 2016, 20, 780-788.	3.3	51
60	Essential amino acid ingestion as an efficient nutritional strategyÂfor the preservation of muscle mass following gastricÂbypass surgery. Nutrition, 2016, 32, 9-13.	2.4	12
61	Comparative effects of whey protein versus l-leucine on skeletal muscle protein synthesis and markers of ribosome biogenesis following resistance exercise. Amino Acids, 2016, 48, 733-750.	2.7	27
62	Amino acid supplementation is anabolic during the acute phase of endotoxin-induced inflammation: A human randomized crossover trial. Clinical Nutrition, 2016, 35, 322-330.	5.0	40
63	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.	5.0	28
64	The Current Understanding of Sarcopenia. American Journal of Lifestyle Medicine, 2017, 11, 167-181.	1.9	20
65	Variation in Protein Origin and Utilization: Research and Clinical Application. Nutrition in Clinical Practice, 2017, 32, 48S-57S.	2.4	11
66	Whey protein effects on energy balance link the intestinal mechanisms of energy absorption with adiposity and hypothalamic neuropeptide gene expression. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E1-E11.	3.5	23
67	Knowledge of Constituent Ingredients in Enteral Nutrition Formulas Can Make a Difference in Patient Response to Enteral Feeding. Nutrition in Clinical Practice, 2017, 33, 088453361772475.	2.4	22
68	A pilot randomised controlled trial of a periodised resistance training and protein supplementation in prostate cancer survivors on androgen deprivation therapy. BMJ Open, 2017, 7, e016910.	1.9	14
69	International Society of Sports Nutrition Position Stand: protein and exercise. Journal of the International Society of Sports Nutrition, 2017, 14, 20.	3.9	430
70	Both basal and post-prandial muscle protein synthesis rates, following the ingestion of a leucine-enriched whey protein supplement, are not impaired in sarcopenic older males. Clinical Nutrition, 2017, 36, 1440-1449.	5.0	38
71	Milk Nutritive Role and Potential Benefits in Human Health. , 2017, , 161-176.		4
72	Does whey protein supplementation affect blood pressure in hypoalbuminemic peritoneal dialysis patients?. Therapeutics and Clinical Risk Management, 2017, Volume 13, 989-997.	2.0	4
73	The 2017 Sir David P Cuthbertson lecture. Amino acids and muscle protein metabolism in critical care. Clinical Nutrition, 2018, 37, 1093-1100.	5.0	36
74	Food proteins for health and nutrition. , 2018, , 301-336.		9

#	Article	IF	CITATIONS
75	ISSN exercise & sports nutrition review update: research & recommendations. Journal of the International Society of Sports Nutrition, 2018, 15, 38.	3.9	446
76	Agricultural and Food Industry By-Products: Source of Bioactive Components for Functional Beverages. , 2019, , 543-589.		4
79	Whey Protein Supplementation Post Resistance Exercise in Elderly Men Induces Changes in Muscle miRNA's Compared to Resistance Exercise Alone. Frontiers in Nutrition, 2019, 6, 91.	3.7	11
80	Dietary Protein Quantity, Quality, and Exercise Are Key to Healthy Living: A Muscle-Centric Perspective Across the Lifespan. Frontiers in Nutrition, 2019, 6, 83.	3.7	58
81	Human Muscle Protein Synthesis Rates after Intake of Hydrolyzed Porcine-Derived and Cows' Milk Whey Proteins—A Randomized Controlled Trial. Nutrients, 2019, 11, 989.	4.1	8
82	Influence of Early versus Late supplemental ParenteraL Nutrition on long-term quality of life in ICU patients after gastrointestinal oncological surgery (hELPLiNe): study protocol for a randomized controlled trial. Trials, 2019, 20, 777.	1.6	0
84	Effects of whey protein hydrolysate ingestion on post-exercise muscle protein synthesis compared with intact whey protein in rats. Nutrition and Metabolism, 2019, 16, 90.	3.0	7
85	Nutritive and Therapeutic Aspects of Whey Proteins. , 2019, , 549-577.		1
86	Prospective Views for Whey Protein and/or Resistance Training Against Age-related Sarcopenia. , 2019, 10, 157.		40
87	Heat stability of whey protein ingredients based on state diagrams. International Dairy Journal, 2019, 91, 25-35.	3.0	5
88	Food Proteins: Technological, Nutritional, and Sustainability Attributes of Traditional and Emerging Proteins. Annual Review of Food Science and Technology, 2019, 10, 311-339.	9.9	162
89	Whey-based cheese provides more postprandial plasma leucine than casein-based cheese: A pig study. Food Chemistry, 2019, 277, 63-69.	8.2	10
90	Whey Protein and Muscle Protection. , 2019, , 271-281.		1
91	Effect of Protein Supplementation on Physical Performance in Older People With Sarcopenia–A Randomized Controlled Trial. Journal of the American Medical Directors Association, 2020, 21, 226-232.e1.	2.5	27
92	Clinical Impact Potential of Supplemental Nutrients as Adjuncts of Therapy in High-Risk COVID-19 for Obese Patients. Frontiers in Nutrition, 2020, 7, 580504.	3.7	17
93	The Effects of Cow-Milk Protein Supplementation in Elderly Population: Systematic Review and Narrative Synthesis. Nutrients, 2020, 12, 2548.	4.1	10
94	Supplementation with Whey Protein, Omega-3 Fatty Acids and Polyphenols Combined with Electrical Muscle Stimulation Increases Muscle Strength in Elderly Adults with Limited Mobility: A Randomized Controlled Trial. Nutrients, 2020, 12, 1866.	4.1	18
95	World supply of food and the role of dairy protein. , 2020, , 1-19.		4

		REFORT	
#	Article	IF	Citations
96	Characterization of in silico modeled synthetic protein enriched with branched-chain amino acids expressed in Pichia pastoris. International Journal of Biological Macromolecules, 2021, 168, 518-525.	7.5	2
99	Development and Evaluation of a Low-cost Dairy Food Supplement with Mauritia Flexuosa (Buriti) to Combat Malnutrition: Translational Study in Mice and Institutionalized Elderly Woman. Current Aging Science, 2022, 15, 37-48.	1.2	2
100	Combined effect of citrulline and lactoserum on amino acid availability in aged rats. Nutrition, 2021, 87-88, 111196.	2.4	0
101	Impaired skeletal muscle hypertrophy signaling and amino acid deprivation response in Apoe knockout mice with an unhealthy lipoprotein distribution. Scientific Reports, 2021, 11, 16423.	3.3	2
102	β-hydroxy-β-methylbutyrate: role and prospects applications in gerontology. Medical Alphabet, 2021, , 94-100.	0.2	0
103	Relationship among oral health status, bolus formation and food comfortability during consumption of model cheeses in elderly. Food and Function, 2021, 12, 7379-7389.	4.6	2
104	From hepatic encephalopathy to the quality of food protein and protein requirements: A serendipitous journey. , 2021, , 137-150.		0
105	<i>In vitro</i> dynamic gastric digestion of soya protein/milk protein blended beverages: influence of protein composition and co-processing. Food and Function, 2021, 12, 2605-2616.	4.6	4
106	Optimizing Nutrition for Exercise and Sports. , 2012, , 391-434.		2
107	Physische Mobilitäund Gesundheit im Alter. , 2017, , 207-244.		2
108	Clinical Effectiveness of Protein and Amino Acid Supplementation on Building Muscle Mass in Elderly People: A Meta-Analysis. PLoS ONE, 2014, 9, e109141.	2.5	48
109	Prolonged Exposure of Primary Human Muscle Cells to Plasma Fatty Acids Associated with Obese Phenotype Induces Persistent Suppression of Muscle Mitochondrial ATP Synthase β Subunit. PLoS ONE, 2016, 11, e0160057.	2.5	13
110	Necesidades proteicas de los deportistas y pautas diétetico-nutricionales para la ganancia de masa muscular. Revista Espanola De Nutricion Humana Y Dietetica, 2014, 16, 25.	0.3	8
111	Nutritional Strategies to Offset Disuse-Induced Skeletal Muscle Atrophy and Anabolic Resistance in Older Adults: From Whole-Foods to Isolated Ingredients. Nutrients, 2020, 12, 1533.	4.1	31
112	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.	4.7	27
113	Anabolic Dysfunction. , 2010, , 275-321.		0
114	Nutrient Timing Programs in Sport: A Case Study Approach. , 2011, , 223-250.		0
115	Whey: Composition, Role in Human Health and its Utilization in Preparation of Value Added Products. International Journal of Food and Fermentation Technology, 2013, 3, 93.	0.1	1

#	Article	IF	CITATIONS
116	Macronutrient Recommendations: Protein, Carbohydrate, and Fat. , 2014, , 101-109.		2
117	Muscle Metabolism, Nutrition, and Functional Status in Older Adults. , 2015, , 113-124.		0
118	Whey Protein and Essential Amino Acids Promotethe Reduction of Adipose Tissue and Increased Muscle ProteinSynthesis During Caloric Restriction-Induced Weight Loss in Elderly, Obese Individuals. , 2016, , 69-86.		0
119	Female Sarcopenic Obesity. , 2019, , 405-422.		1
120	Protein Supplementation for the Prevention and Management of Sarcopenia in the Elderly. Journal of Nutritional Oncology, 2019, 4, 74-84.	0.1	1
121	mTOR1c Activation with the Leucine "Trigger―for Prevention of Sarcopenia in Older Adults During Lockdown. Journal of Medicinal Food, 2022, 25, 117-120.	1.5	4
122	Muscle Protein Metabolism in Critically Illness. Surgical Metabolism and Nutrition, 2020, 11, 35-39.	0.3	1
123	Nutritional support in sports: Part I. The role of macronutrients in increasing of endurance of athletes (review of foreign literature). Sports Medicine Research and Practice, 2020, 10, 18-26.	0.2	1
124	Post-exercise Ingestion of Vacuum-sealed Pork Tenderized by Enzyme Infusion for Preventive Care Programs. The Japanese Journal of Nutrition and Dietetics, 2020, 78, 264-271.	0.1	0
125	The Role of Dietary Essential Amino Acids in Muscle and Health. Food Supplements and Biomaterials for Health, 0, 2, .	0.2	0
129	Prevention of Loss of Muscle Mass and Function in Older Adults during COVID-19 Lockdown: Potential Role of Dietary Essential Amino Acids. International Journal of Environmental Research and Public Health, 2022, 19, 8090.	2.6	4
130	Development of non-destructive methods for the assessment of authenticity of sports whey protein supplements. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2024, 41, 339-351.	2.3	0
131	Dietary Protein as an Anabolic Stimulus. , 2023, , 153-176.		0
132	Supplementation for Performance and Health in Patients with Phenylketonuria: An Exercise-Based Approach to Improving Dietary Adherence. Nutrients, 2024, 16, 639.	4.1	Ο