Robert R Wolfe

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8820888/publications.pdf

Version: 2024-02-01

346 papers	31,405 citations	3530 90 h-index	4884 168 g-index
355 all docs	355 docs citations	355 times ranked	18298 citing authors

#	Article	IF	Citations
1	Cachexia: A new definition. Clinical Nutrition, 2008, 27, 793-799.	5.0	1,906
2	The underappreciated role of muscle in health and disease. American Journal of Clinical Nutrition, 2006, 84, 475-482.	4.7	1,081
3	A high proportion of leucine is required for optimal stimulation of the rate of muscle protein synthesis by essential amino acids in the elderly. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E381-E387.	3.5	734
4	Essential amino acids are primarily responsible for the amino acid stimulation of muscle protein anabolism in healthy elderly adults. American Journal of Clinical Nutrition, 2003, 78, 250-258.	4.7	679
5	Effect of 10 Days of Bed Rest on Skeletal Muscle in Healthy Older Adults. JAMA - Journal of the American Medical Association, 2007, 297, 1769.	7.4	653
6	Reversal of Catabolism by Beta-Blockade after Severe Burns. New England Journal of Medicine, 2001, 345, 1223-1229.	27.0	626
7	Hypoalbuminemia: Pathogenesis and Clinical Significance. Journal of Parenteral and Enteral Nutrition, 2019, 43, 181-193.	2.6	535
8	Applied Nutrition in ICU Patients. Chest, 1997, 111, 769-778.	0.8	472
9	Effect of Severe Burn Injury on Substrate Cycling by Glucose and Fatty Acids. New England Journal of Medicine, 1987, 317, 403-408.	27.0	445
10	An oral essential amino acid-carbohydrate supplement enhances muscle protein anabolism after resistance exercise. Journal of Applied Physiology, 2000, 88, 386-392.	2.5	445
11	Aging is associated with diminished accretion of muscle proteins after the ingestion of a small bolus of essential amino acids. American Journal of Clinical Nutrition, 2005, 82, 1065-1073.	4.7	428
12	Testosterone administration in severe burns ameliorates muscle catabolism. Critical Care Medicine, 2001, 29, 1936-1942.	0.9	412
13	Protein, weight management, and satiety. American Journal of Clinical Nutrition, 2008, 87, 1558S-1561S.	4.7	412
14	Human Muscle Protein Synthesis is Modulated by Extracellular, Not Intramuscular Amino Acid Availability: A Doseâ€Response Study. Journal of Physiology, 2003, 552, 315-324.	2.9	409
15	Amino acid ingestion improves muscle protein synthesis in the young and elderly. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E321-E328.	3.5	395
16	The Response of Muscle Protein Anabolism to Combined Hyperaminoacidemia and Glucose-Induced Hyperinsulinemia Is Impaired in the Elderly¹. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 4481-4490.	3.6	383
17	Optimal protein intake in the elderly. Clinical Nutrition, 2008, 27, 675-684.	5.0	360
18	Glucose metabolism in man: Responses to intravenous glucose infusion. Metabolism: Clinical and Experimental, 1979, 28, 210-220.	3.4	359

#	Article	IF	Citations
19	Rapid Report. Journal of Physiology, 2001, 532, 575-579.	2.9	355
20	Mechanisms of Insulin Resistance Following Injury. Annals of Surgery, 1982, 196, 420-435.	4.2	347
21	Essential amino acids and muscle protein recovery from resistance exercise. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E648-E657.	3.5	346
22	Role of dietary protein in the sarcopenia of aging. American Journal of Clinical Nutrition, 2008, 87, 1562S-1566S.	4.7	341
23	Glucose Requirements Following Burn Injury. Annals of Surgery, 1979, 190, 274-285.	4.2	339
24	Glucose metabolism in severely burned patients. Metabolism: Clinical and Experimental, 1979, 28, 1031-1039.	3.4	334
25	Insulin resistance of muscle protein metabolism in aging. FASEB Journal, 2006, 20, 768-769.	0.5	312
26	Determinants of Skeletal Muscle Catabolism After Severe Burn. Annals of Surgery, 2000, 232, 455-465.	4.2	301
27	Is the Optimal Level of Protein Intake for Older Adults Greater Than the Recommended Dietary Allowance?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 677-681.	3.6	291
28	A Moderate Serving of High-Quality Protein Maximally Stimulates Skeletal Muscle Protein Synthesis in Young and Elderly Subjects. Journal of the American Dietetic Association, 2009, 109, 1582-1586.	1.1	289
29	Essential Amino Acid and Carbohydrate Supplementation Ameliorates Muscle Protein Loss in Humans during 28 Days Bedrest. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 4351-4358.	3.6	284
30	Ingestion of Casein and Whey Proteins Result in Muscle Anabolism after Resistance Exercise. Medicine and Science in Sports and Exercise, 2004, 36, 2073-2081.	0.4	273
31	Enteral nutritional support in prevention and treatment of pressure ulcers: A systematic review and meta-analysis. Ageing Research Reviews, 2005, 4, 422-450.	10.9	267
32	Whole Body Protein Kinetics in Severely Septic Patients. Annals of Surgery, 1987, 205, 288-294.	4.2	255
33	Response of Protein and Urea Kinetics in Burn Patients to Different Levels of Protein Intake. Annals of Surgery, 1983, 197, 163-171.	4.2	254
34	Intramuscular and Liver Triglycerides Are Increased in the Elderly. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 3864-3871.	3.6	241
35	Anabolic Effects of Oxandrolone After Severe Burn. Annals of Surgery, 2001, 233, 556-564.	4.2	240
36	Bed-rest-induced insulin resistance occurs primarily in muscle. Metabolism: Clinical and Experimental, 1988, 37, 802-806.	3.4	239

#	Article	IF	Citations
37	Oral amino acids stimulate muscle protein anabolism in the elderly despite higher first-pass splanchnic extraction. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E513-E520.	3.5	233
38	Independent and Combined Effects of Amino Acids and Glucose after Resistance Exercise. Medicine and Science in Sports and Exercise, 2003, 35, 449-455.	0.4	231
39	Investigation of factors determining the optimal glucose infusion rate in total parenteral nutrition. Metabolism: Clinical and Experimental, 1980, 29, 892-900.	3.4	230
40	Effect of amino acid supplementation on muscle mass, strength and physical function in elderly. Clinical Nutrition, 2008, 27, 189-195.	5.0	229
41	Effect of Î²-hydroxy-Î²-methylbutyrate (HMB) on lean body mass during 10 days of bed rest in older adults. Clinical Nutrition, 2013, 32, 704-712.	5.0	224
42	Stimulation of Muscle Protein Synthesis by Long-Term Insulin Infusion in Severely Burned Patients. Annals of Surgery, 1995, 222, 283-297.	4.2	220
43	Aging does not impair the anabolic response to a protein-rich meal. American Journal of Clinical Nutrition, 2007, 86, 451-456.	4.7	217
44	Atrophy and Impaired Muscle Protein Synthesis during Prolonged Inactivity and Stress. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4836-4841.	3.6	211
45	A Submaximal Dose of Insulin Promotes Net Skeletal Muscle Protein Synthesis in Patients With Severe Burns. Annals of Surgery, 1999, 229, 11-18.	4.2	210
46	EAA supplementation to increase nitrogen intake improves muscle function during bed rest in the elderly. Clinical Nutrition, 2010, 29, 18-23.	5.0	208
47	Regulation of Muscle Protein by Amino Acids. Journal of Nutrition, 2002, 132, 3219S-3224S.	2.9	206
48	Protein and amino acids for athletes. Journal of Sports Sciences, 2004, 22, 65-79.	2.0	205
49	Protein Consumption and the Elderly: What Is the Optimal Level of Intake?. Nutrients, 2016, 8, 359.	4.1	203
50	Studies in the Basal State and the Response to Total Parenteral Nutrition. Annals of Surgery, 1989, 209, 63-72.	4.2	200
51	Differential stimulation of muscle protein synthesis in elderly humans following isocaloric ingestion of amino acids or whey protein. Experimental Gerontology, 2006, 41, 215-219.	2.8	196
52	Resistance exercise maintains skeletal muscle protein synthesis during bed rest. Journal of Applied Physiology, 1997, 82, 807-810.	2.5	192
53	Effect of carbohydrate intake on net muscle protein synthesis during recovery from resistance exercise. Journal of Applied Physiology, 2004, 96, 674-678.	2.5	190
54	Differentiation between septic and postburn insulin resistance. Metabolism: Clinical and Experimental, 1989, 38, 983-989.	3.4	187

#	Article	IF	Citations
55	Effects of a low carbohydrate diet on energy expenditure during weight loss maintenance: randomized trial. BMJ: British Medical Journal, 2018, 363, k4583.	2.3	183
56	Milk Ingestion Stimulates Net Muscle Protein Synthesis following Resistance Exercise. Medicine and Science in Sports and Exercise, 2006, 38, 667-674.	0.4	181
57	Muscle protein synthesis in cancer patients can be stimulated with a specially formulated medical food. Clinical Nutrition, 2011, 30, 759-768.	5.0	178
58	Arginine de novo and nitric oxide production in disease states. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1177-E1189.	3.5	174
59	Muscle Protein Catabolism After Severe Burn: Effects of IGF-1/IGFBP-3 Treatment. Annals of Surgery, 1999, 229, 713.	4.2	173
60	Fatty Acid and Glycerol Kinetics in Septic Patients and in Patients with Gastrointestinal Cancer. Annals of Surgery, 1987, 205, 368-376.	4.2	172
61	Branched-chain amino acids and muscle protein synthesis in humans: myth or reality?. Journal of the International Society of Sports Nutrition, 2017, 14, 30.	3.9	170
62	Dynamics of the protein metabolic response to burn injury. Metabolism: Clinical and Experimental, 1988, 37, 330-337.	3.4	168
63	Exercise, Protein Metabolism, and Muscle Growth. International Journal of Sport Nutrition and Exercise Metabolism, 2001, 11, 109-132.	2.1	164
64	Longitudinal changes in basal hepatic glucose production and suppression during insulin infusion in normal pregnant women. American Journal of Obstetrics and Gynecology, 1992, 167, 913-919.	1.3	153
65	Effects of Early Excision and Aggressive Enteral Feeding on Hypermetabolism, Catabolism, and Sepsis after Severe Burn. Journal of Trauma, 2003, 54, 755-764.	2.3	153
66	Harry M. Vars Research Award: A New Model to Determine in Vivo the Relationship Between Amino Acid Transmembrane Transport and Protein Kinetics in Muscle. Journal of Parenteral and Enteral Nutrition, 1992, 16, 305-315.	2.6	152
67	Inverse Regulation of Protein Turnover and Amino Acid Transport in Skeletal Muscle of Hypercatabolic Patients. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3378-3384.	3.6	142
68	Effects of Obesity on Substrate Utilization during Exercise. Obesity, 2002, 10, 575-584.	4.0	138
69	Quantity of dietary protein intake, but not pattern of intake, affects net protein balance primarily through differences in protein synthesis in older adults. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E21-E28.	3.5	137
70	Differential Anabolic Effects of Testosterone and Amino Acid Feeding in Older Men. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 358-362.	3.6	134
71	Effect of Propranolol Administration on Hemodynamic and Metabolic Responses of Burned Pediatric Patients. Annals of Surgery, 1988, 208, 484-492.	4.2	132
72	Whey protein ingestion in elderly persons results in greater muscle protein accrual than ingestion of its constituent essential amino acid content. Nutrition Research, 2008, 28, 651-658.	2.9	132

#	Article	IF	Citations
73	Is there a maximal anabolic response to protein intake with a meal?. Clinical Nutrition, 2013, 32, 309-313.	5.0	126
74	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
75	Regulation of Lipolysis in Severely Burned Children. Annals of Surgery, 1987, 206, 214-221.	4.2	123
76	Acute Energy Deprivation Affects Skeletal Muscle Protein Synthesis and Associated Intracellular Signaling Proteins in Physically Active Adults. Journal of Nutrition, 2010, 140, 745-751.	2.9	122
77	Bed Rest Promotes Reductions in Walking Speed, Functional Parameters, and Aerobic Fitness in Older, Healthy Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 91-96.	3.6	120
78	Efficacy of a high-carbohydrate diet in catabolic illness. Critical Care Medicine, 2001, 29, 1318-1324.	0.9	113
79	Protein supplements and exercise. American Journal of Clinical Nutrition, 2000, 72, 551S-557S.	4.7	111
80	Effect of elevated free fatty acids on glucose oxidation in normal humans. Metabolism: Clinical and Experimental, 1988, 37, 323-329.	3.4	109
81	REGULATION OF FATTY ACID OXIDATION IN SKELETAL MUSCLE. Annual Review of Nutrition, 1999, 19, 463-484.	10.1	109
82	Measurement of very low stable isotope enrichments by gas chromatography/mass spectrometry: Application to measurement of muscle protein synthesis. Metabolism: Clinical and Experimental, 1997, 46, 943-948.	3.4	105
83	Optimizing Protein Intake in Adults: Interpretation and Application of the Recommended Dietary Allowance Compared with the Acceptable Macronutrient Distribution Range. Advances in Nutrition, 2017, 8, 266-275.	6.4	104
84	Beta-Blockade Lowers Peripheral Lipolysis in Burn Patients Receiving Growth Hormone. Annals of Surgery, 1996, 223, 777-789.	4.2	100
85	Insulin Sensitivity and Mitochondrial Function Are Improved in Children With Burn Injury During a Randomized Controlled Trial of Fenofibrate. Annals of Surgery, 2007, 245, 214-221.	4.2	99
86	Obstructive Sleep Apnea Dynamically Increases Nocturnal Plasma Free Fatty Acids, Glucose, and Cortisol During Sleep. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3172-3181.	3.6	99
87	Muscle protein metabolism in female swimmers after a combination of resistance and endurance exercise. Journal of Applied Physiology, 1996, 81, 2034-2038.	2.5	98
88	Improved Net Protein Balance, Lean Mass, and Gene Expression Changes With Oxandrolone Treatment in the Severely Burned. Annals of Surgery, 2003, 237, 801-811.	4.2	98
89	Effect of an Amino Acid, Protein, and Carbohydrate Mixture on Net Muscle Protein Balance after Resistance Exercise. International Journal of Sport Nutrition and Exercise Metabolism, 2004, 14, 255-271.	2.1	96
90	Applications of stable, nonradioactive isotope tracers in in vivo human metabolic research. Experimental and Molecular Medicine, 2016, 48, e203-e203.	7.7	95

#	Article	IF	Citations
91	Regulation of skeletal muscle protein metabolism in catabolic states. Current Opinion in Clinical Nutrition and Metabolic Care, 2005, 8, 61-65.	2.5	94
92	Influence of Metformin on Glucose Intolerance and Muscle Catabolism Following Severe Burn Injury. Annals of Surgery, 2005, 241, 334-342.	4.2	93
93	Protein and amino acid metabolism after injury. Diabetes/metabolism Reviews, 1989, 5, 149-164.	0.3	90
94	Aerobic Exercise Training Increases Skeletal Muscle Protein Turnover in Healthy Adults at Rest. Journal of Nutrition, 2006, 136, 379-383.	2.9	89
95	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
96	The Recommended Dietary Allowance of Protein. JAMA - Journal of the American Medical Association, 2008, 299, 2891.	7.4	86
97	Acute Response of Human Muscle Protein to Catabolic Hormones. Annals of Surgery, 1993, 218, 679-684.	4.2	86
98	The anabolic response to a meal containing different amounts of protein is not limited by the maximal stimulation of protein synthesis in healthy young adults. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E73-E80.	3.5	85
99	Subclinical abnormalities of glucose metabolism in subjects with previous gestational diabetes. American Journal of Obstetrics and Gynecology, 1986, 155, 1255-1262.	1.3	79
100	Proteins and amino acids are fundamental to optimal nutrition support in critically ill patients. Critical Care, 2014, 18, 591.	5.8	79
101	Measurement of muscle protein fractional synthesis and breakdown rates from a pulse tracer injection. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E753-E764.	3.5	78
102	Potential Ergogenic Effects of Arginine and Creatine Supplementation. Journal of Nutrition, 2004, 134, 2888S-2894S.	2.9	78
103	Malonyl coenzyme A and the regulation of functional carnitine palmitoyltransferase-1 activity and fat oxidation in human skeletal muscle. Journal of Clinical Investigation, 2002, 110, 1687-1693.	8.2	78
104	Changes in Intermediary Metabolism in Severe Surgical Illness. World Journal of Surgery, 2000, 24, 639-647.	1.6	76
105	Measurement of15N enrichment in multiple amino acids and urea in a single analysis by gas chromatography/mass spectrometry. Biological Mass Spectrometry, 1993, 22, 518-523.	0.5	75
106	The Use of Beta-Adrenergic Blockade in Preventing Trauma-Induced Hepatomegaly. Annals of Surgery, 2006, 243, 115-120.	4.2	75
107	Substrate utilization/insulin resistance in sepsis/trauma. Bailliere's Clinical Endocrinology and Metabolism, 1997, 11, 645-657.	1.0	73
108	Variation in total energy expenditure in young healthy free-living men. Metabolism: Clinical and Experimental, 1993, 42, 487-496.	3.4	72

#	Article	IF	Citations
109	Exogenous amino acids stimulate human muscle anabolism without interfering with the response to mixed meal ingestion. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E761-E767.	3.5	71
110	Postprandial muscle protein synthesis is higher after a high whey protein, leucine-enriched supplement than after a dairy-like product in healthy older people: a randomized controlled trial. Nutrition Journal, 2014, 13, 9.	3.4	71
111	Dietary protein adequacy and lower bodyversuswhole body resistive training in older humans. Journal of Physiology, 2002, 542, 631-642.	2.9	69
112	Amino acid metabolism and inflammatory burden in ovarian cancer patients undergoing intense oncological therapy. Clinical Nutrition, 2007, 26, 736-743.	5.0	68
113	Albumin synthesis after intense intermittent exercise in human subjects. Journal of Applied Physiology, 1998, 84, 584-592.	2.5	67
114	Update on maximal anabolic response to dietary protein. Clinical Nutrition, 2018, 37, 411-418.	5.0	67
115	Urea and protein metabolism in burned children: Effect of dietary protein intake. Metabolism: Clinical and Experimental, 1997, 46, 573-578.	3.4	66
116	Propranolol Decreases Splanchnic Triacylglycerol Storage in Burn Patients Receiving a High-Carbohydrate Diet. Annals of Surgery, 2002, 236, 218-225.	4.2	66
117	Extremity hyperinsulinemia stimulates muscle protein synthesis in severely injured patients. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E529-E534.	3.5	66
118	Stimulation of muscle anabolism by resistance exercise and ingestion of leucine plus protein. Applied Physiology, Nutrition and Metabolism, 2009, 34, 151-161.	1.9	66
119	Protein intake distribution pattern does not affect anabolic response, lean body mass, muscle strength or function over 8 weeks in older adults: A randomized-controlled trial. Clinical Nutrition, 2018, 37, 488-493.	5.0	65
120	Effect of exogenous growth hormone on glucose utilization in burn patients. Journal of Surgical Research, 1991, 51, 518-523.	1.6	64
121	Factors contributing to the selection of dietary protein food sources. Clinical Nutrition, 2018, 37, 130-138.	5.0	64
122	Oral Branchedâ€Chain Amino Acids Decrease Wholeâ€Body Proteolysis. Journal of Parenteral and Enteral Nutrition, 1995, 19, 47-54.	2.6	63
123	Markers of inflammation, proteolysis, and apoptosis in ESRD. American Journal of Kidney Diseases, 2003, 42, 1212-1220.	1.9	61
124	Energy expenditure of swimmers during high volume training. Medicine and Science in Sports and Exercise, 1997, 29, 950-954.	0.4	60
125	Accelerated Glutamine Synthesis in Critically Ill Patients Cannot Maintain Normal Intramuscular Free Glutamine Concentration. Journal of Parenteral and Enteral Nutrition, 1999, 23, 243-252.	2.6	59
126	Role of fat metabolism in burn trauma-induced skeletal muscle insulin resistance. Critical Care Medicine, 2007, 35, S476-S483.	0.9	58

#	Article	IF	Citations
127	Effect of Total Parenteral Nutrition on Free Fatty Acid Metabolism in Burned Patients. Journal of Parenteral and Enteral Nutrition, 1984, 8, 357-360.	2.6	57
128	Propranolol Diminishes Extremity Blood Flow in Burned Patients. Annals of Surgery, 1991, 213, 568-574.	4.2	57
129	Latency, Duration and Dose Response Relationships of Amino Acid Effects on Human Muscle Protein Synthesis. Journal of Nutrition, 2002, 132, 3225S-3227S.	2.9	57
130	Fatiguing exercise reduces DNA binding activity of NF-Î¹B in skeletal muscle nuclei. Journal of Applied Physiology, 2004, 97, 1740-1745.	2.5	56
131	Acute ingestion of citrulline stimulates nitric oxide synthesis but does not increase blood flow in healthy young and older adults with heart failure. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E915-E924.	3.5	54
132	Update on protein intake: importance of milk proteins for health status of the elderly. Nutrition Reviews, 2015, 73, 41-47.	5.8	54
133	Alterations in protein metabolism during space flight and inactivity. Nutrition, 2002, 18, 837-841.	2.4	53
134	Skeletal Muscle Protein Metabolism and Resistance Exercise. Journal of Nutrition, 2006, 136, 525S-528S.	2.9	53
135	Twenty-eight-day bed rest with hypercortisolemia induces peripheral insulin resistance and increases intramuscular triglycerides. Metabolism: Clinical and Experimental, 2010, 59, 703-710.	3.4	52
136	Essential Amino Acids and Protein Synthesis: Insights into Maximizing the Muscle and Whole-Body Response to Feeding. Nutrients, 2020, 12, 3717.	4.1	52
137	Lipolytic response to metabolic stress in critically ill patients. Critical Care Medicine, 1991, 19, 776-779.	0.9	51
138	Hypercortisolemia alters muscle protein anabolism following ingestion of essential amino acids. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E946-E953.	3.5	50
139	Effect of Alanine Infusion on Glucose and Urea Production in Man. Journal of Parenteral and Enteral Nutrition, 1987, 11, 109-111.	2.6	49
140	Insulin action on protein metabolism. Bailliere's Clinical Endocrinology and Metabolism, 1993, 7, 989-1005.	1.0	49
141	The Catabolic Effects of Prolonged Inactivity and Acute Hypercortisolemia Are Offset by Dietary Supplementation. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 1453-1459.	3.6	49
142	PPAR-Î± agonism improves whole body and muscle mitochondrial fat oxidation, but does not alter intracellular fat concentrations in burn trauma children in a randomized controlled trial. Nutrition and Metabolism, 2007, 4, 9.	3.0	49
143	Concentration dependence of methyl palmitate isotope ratios by electron impact ionization gas chromatography/mass spectrometry. Biological Mass Spectrometry, 1993, 22, 481-486.	0.5	47
144	Relative influence of glucose and insulin on peripheral amino acid metabolism in severely burned patients. Journal of Parenteral and Enteral Nutrition, 2002, 26, 271-277.	2.6	45

#	Article	IF	Citations
145	Local Insulin-Zinc Injection Accelerates Skin Donor Site Wound Healing. Journal of Surgical Research, 2007, 142, 90-96.	1.6	45
146	Response to glucose and lipid infusions in sepsis: A kinetic analysis. Metabolism: Clinical and Experimental, 1985, 34, 442-449.	3.4	44
147	Amino acid supplementation decreases plasma and liver triacylglycerols in elderly. Nutrition, 2009, 25, 281-288.	2.4	44
148	Regulation of fatty acid oxidation in untrained vs. trained men during exercise. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E510-E515.	3.5	43
149	Effect of theophylline on substrate metabolism during exercise. Metabolism: Clinical and Experimental, 1996, 45, 1153-1160.	3.4	42
150	Intensive insulin therapy improves insulin sensitivity and mitochondrial function in severely burned children*. Critical Care Medicine, 2010, 38, 1475-1483.	0.9	42
151	Generalized lipodystrophy: In vivo evidence for hypermetabolism and insulin-resistant lipid, glucose, and amino acid kinetics. Metabolism: Clinical and Experimental, 1992, 41, 893-896.	3.4	41
152	Effects of Amino Acid Intake on Anabolic Processes. Applied Physiology, Nutrition, and Metabolism, 2001, 26, S220-S227.	1.7	41
153	Bedrest and sarcopenia. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 7-11.	2.5	41
154	Effects of Î²-hydroxy-Î²-methylbutyrate on skeletal muscle mitochondrial content and dynamics, and lipids after 10 days of bed rest in older adults. Journal of Applied Physiology, 2017, 123, 1092-1100.	2.5	41
155	The Link between Dietary Protein Intake, Skeletal Muscle Function and Health in Older Adults. Healthcare (Switzerland), 2015, 3, 529-543.	2.0	39
156	Pre- and Post-Surgical Nutrition for Preservation of Muscle Mass, Strength, and Functionality Following Orthopedic Surgery. Nutrients, 2021, 13, 1675.	4.1	39
157	Quantification of Protein Metabolism in Vivo for Skin, Wound, and Muscle in Severe Burn Patients. Journal of Parenteral and Enteral Nutrition, 2006, 30, 331-338.	2.6	38
158	Muscle Protein Synthesis and Whole-Body Protein Turnover Responses to Ingesting Essential Amino Acids, Intact Protein, and Protein-Containing Mixed Meals with Considerations for Energy Deficit. Nutrients, 2020, 12, 2457.	4.1	38
159	Energy and Protein Metabolism in Sarcoma Patients. Annals of Surgery, 1988, 207, 283-289.	4.2	37
160	Testosterone and Muscle Protein Metabolism. Mayo Clinic Proceedings, 2000, 75, S55-S60.	3.0	37
161	Human mitochondrial oxidative capacity is acutely impaired after burn trauma. American Journal of Surgery, 2008, 196, 234-239.	1.8	37
162	Comparison of Constant Infusion and Flooding Dose Techniques to Measure Muscle Protein Synthesis Rate in Dogs. Journal of Nutrition, 1992, 122, 878-887.	2.9	36

#	Article	IF	Citations
163	An animal model for measurement of protein metabolism in the skin. Surgery, 1996, 119, 326-332.	1.9	36
164	Leg glucose and protein metabolism during an acute bout of resistance exercise in humans. Journal of Applied Physiology, 2004, 97, 1379-1386.	2.5	36
165	Application of liquid chromatography-tandem mass spectrometry (LCâ€“MS/MS) for the analysis of stable isotope enrichments of phenylalanine and tyrosine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 43-49.	2.3	36
166	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
167	Measurement of stable isotopic enrichment and concentration of long-chain fatty acyl-carnitines in tissue by HPLC-MS. Journal of Lipid Research, 2006, 47, 431-439.	4.2	35
168	Muscle Protein Synthesis and Balance Responsiveness to Essential Amino Acids Ingestion in the Presence of Elevated Plasma Free Fatty Acid Concentrations. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2984-2990.	3.6	35
169	Low-dose bradykinin infusion reduces endogenous glucose production in surgical patients. Metabolism: Clinical and Experimental, 1988, 37, 185-190.	3.4	34
170	Isotopic Measurement of Glucose and Lactate Kinetics. Annals of Medicine, 1990, 22, 163-170.	3.8	33
171	Recent developments in understanding protein needs â€“ How much and what kind should we eat?. Applied Physiology, Nutrition and Metabolism, 2016, 41, 577-580.	1.9	33
172	Weight Loss Strategies in the Elderly: A Clinical Conundrum. Obesity, 2018, 26, 22-28.	3.0	33
173	Quality of meal protein determines anabolic response in older adults. Clinical Nutrition, 2018, 37, 2076-2083.	5.0	33
174	Lung injury in acute pancreatitis: primary inhibition of pulmonary phospholipid synthesis. American Journal of Surgery, 1987, 153, 54-61.	1.8	32
175	Role of membrane transport in interorgan amino acid flow between muscle and small intestine. Metabolism: Clinical and Experimental, 1995, 44, 719-724.	3.4	32
176	In vivo muscle amino acid transport involves two distinct processes. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E136-E141.	3.5	32
177	Effect of endurance training on glycerol kinetics during strenuous exercise in humans. Metabolism: Clinical and Experimental, 1996, 45, 357-361.	3.4	30
178	The anabolic effect of arginine on proteins in skin wound and muscle is independent of nitric oxide production. Clinical Nutrition, 2008, 27, 649-656.	5.0	30
179	Lipid Metabolism in Diet-Induced Obese Rabbits Is Similar to That of Obese Humans. Journal of Nutrition, 2008, 138, 515-518.	2.9	30
180	The anabolic role of the Warburg, Cori-cycle and Crabtree effects in health and disease. Clinical Nutrition, 2021, 40, 2988-2998.	5.0	30

#	Article	IF	Citations
181	Pyruvate dehydrogenase inactivity is not responsible for sepsis-induced insulin resistance. Critical Care Medicine, 1996, 24, 566-574.	0.9	30
182	Leucine Supplementation Has an Anabolic Effect on Proteins in Rabbit Skin Wound and Muscle. Journal of Nutrition, 2004, 134, 3313-3318.	2.9	29
183	Quantification of the concentration and 13C tracer enrichment of long-chain fatty acyl-coenzyme A in muscle by liquid chromatography/mass spectrometry. Analytical Biochemistry, 2006, 349, 87-95.	2.4	29
184	Amino Acid Supplementation for Reversing Bed Rest and Steroid Myopathies. Journal of Nutrition, 2005, 135, 1809S-1812S.	2.9	28
185	Method for the determination of the arteriovenous muscle protein balance during non-steady-state blood and muscle amino acid concentrations. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E1064-E1070.	3.5	28
186	Dietary essential amino acids are highly anabolic in pediatric patients with cystic fibrosis. Journal of Cystic Fibrosis, 2013, 12, 445-453.	0.7	28
187	Effect of Glucose Infusion on Glucose and Lactate Metabolism in Normal and Burned Guinea Pigs. Journal of Trauma, 1978, 18, 800-805.	2.3	27
188	Effects of Intravenous Glucose on Whole Body Leucine Dynamics, Studied With 1-13C-Leucine, in Healthy Young and Elderly Adults. Journal of Gerontology, 1984, 39, 673-681.	1.9	27
189	Metabolic Intervention in Surgical Patients. Annals of Surgery, 1988, 207, 274-282.	4.2	27
190	Alteration of Hepatic Fatty Acid Metabolism After Burn Injury in Pigs. Journal of Parenteral and Enteral Nutrition, 2001, 25, 310-316.	2.6	27
191	Exploration of the protein requirement during weight loss in obese older adults. Clinical Nutrition, 2016, 35, 394-398.	5.0	27
192	Understanding Muscle Protein Dynamics: Technical Considerations for Advancing Sarcopenia Research. Annals of Geriatric Medicine and Research, 2020, 24, 157-165.	1.8	27
193	Increased VLDL-TAG Turnover during and after Acute Moderate-Intensity Exercise. Medicine and Science in Sports and Exercise, 2004, 36, 801-806.	0.4	26
194	In vivo assessment of the metabolic alterations in glucagonoma syndrome. Metabolism: Clinical and Experimental, 1992, 41, 1171-1175.	3.4	25
195	Regulation of the acid-labile subunit of the insulin-like growth factor ternary complex in patients with insulin-dependent diabetes mellitus and severe burns. Clinical Endocrinology, 1996, 44, 525-532.	2.4	25
196	Glutamine supplementation fails to affect muscle protein kinetics in critically ill patients. Journal of Parenteral and Enteral Nutrition, 2002, 26, 342-349.	2.6	25
197	Determination of Dietary Amino Acid Digestibility in Humans. Journal of Nutrition, 2019, 149, 2101-2109.	2.9	25
198	Anabolic response to essential amino acid plus whey protein composition is greater than whey protein alone in young healthy adults. Journal of the International Society of Sports Nutrition, 2020, 17, 9.	3.9	25

#	Article	IF	Citations
199	Effect of hyperglycemia-hyperinsulinemia on whole body and regional fatty acid metabolism. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E427-E434.	3.5	24
200	Optimal Nutrition, Exercise, and Hormonal Therapy Promote Muscle Anabolism in the Elderly. Journal of the American College of Surgeons, 2006, 202, 176-180.	0.5	24
201	Restoration of hormonal action and muscle protein. Critical Care Medicine, 2007, 35, S630-S634.	0.9	24
202	Insulin resistance, secretion and breakdown are increased 9 months following severe burn injury. Burns, 2009, 35, 63-69.	1.9	24
203	Bed Rest Worsens Impairments in Fat and Glucose Metabolism in Older, Overweight Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69A, 363-370.	3.6	24
204	A New Derivatization Reagent for HPLCâ€“MS Analysis of Biological Organic Acids. Chromatographia, 2017, 80, 1723-1732.	1.3	24
205	Mitigation of Muscle Loss in Stressed Physiology: Military Relevance. Nutrients, 2019, 11, 1703.	4.1	24
206	Glucose kinetics in dogs following a lethal dose of endotoxin. Metabolism: Clinical and Experimental, 1977, 26, 847-850.	3.4	23
207	Effects of high versus standard essential amino acid intakes on whole-body protein turnover and mixed muscle protein synthesis during energy deficit: A randomized, crossover study. Clinical Nutrition, 2021, 40, 767-777.	5.0	22
208	Consumption of a Specially-Formulated Mixture of Essential Amino Acids Promotes Gain in Whole-Body Protein to a Greater Extent than a Complete Meal Replacement in Older Women with Heart Failure. Nutrients, 2019, 11, 1360.	4.1	21
209	Acute Dichloroacetate Administration Increases Skeletal Muscle Free Glutamine Concentrations After Burn Injury. Annals of Surgery, 1998, 228, 249-256.	4.2	21
210	Alanine and glutamine kinetics at rest and during exercise in humans. Medicine and Science in Sports and Exercise, 1998, 30, 1053-1058.	0.4	21
211	Isotopic determination of fibronectin synthesis in humans. Metabolism: Clinical and Experimental, 1991, 40, 553-561.	3.4	20
212	Exogenous nitric oxide increases basal leg glucose uptake in humans. Metabolism: Clinical and Experimental, 2003, 52, 662-665.	3.4	20
213	Metabolic response of muscle to alanine, glutamine, and valine supplementation during severe illness. Journal of Parenteral and Enteral Nutrition, 2003, 27, 307-314.	2.6	20
214	The reliability of rates of glucose appearance in vivo calculated from single tracer injections. Canadian Journal of Physiology and Pharmacology, 1979, 57, 1267-1274.	1.4	19
215	Glucose Metabolism in Burn Injury: A Review. Journal of Burn Care and Research, 1985, 6, 408-418.	1.6	19
216	Metabolism of skin and muscle protein is regulated differently in response to nutrition. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E484-E492.	3.5	19

#	Article	IF	Citations
217	Quantifying the contribution of dietary protein to whole body protein kinetics: examination of the intrinsically labeled proteins method. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E74-E84.	3.5	19
218	The Role of the Renin-Angiotensin System in Insulin Sensitivity in Normotensive Subjects. American Journal of the Medical Sciences, 1993, 305, 67-71.	1.1	18
219	Fractional Synthesis Rates of DNA and Protein in Rabbit Skin Are Not Correlated. Journal of Nutrition, 2004, 134, 2401-2406.	2.9	18
220	Adult patients are more catabolic than children during acute phase after burn injury: a retrospective analysis on muscle protein kinetics. Intensive Care Medicine, 2011, 37, 1317-1322.	8.2	18
221	2 The use of isotopic tracers in studying lipid metabolism in human subjects. Bailliere's Clinical Endocrinology and Metabolism, 1987, 1, 797-816.	1.0	17
222	On the measurement of lactate turnover in humans. Metabolism: Clinical and Experimental, 1988, 37, 1078-1080.	3.4	17
223	Determination of amino- and amide-15N glutamine enrichment with tertiary butyldimethylsilyl derivatives. Biological Mass Spectrometry, 1994, 23, 682-688.	0.5	17
224	Incidence of associated events during the performance of invasive procedures in healthy human volunteers. Journal of Applied Physiology, 2005, 98, 1202-1206.	2.5	17
225	Local injection of insulin-zinc stimulates DNA synthesis in skin donor site wound. Wound Repair and Regeneration, 2007, 15, 258-265.	3.0	17
226	Protein Summit: consensus areas and future research. American Journal of Clinical Nutrition, 2008, 87, 1582S-1583S.	4.7	17
227	Daily Consumption of a Specially Formulated Essential Amino Acid-Based Dietary Supplement Improves Physical Performance in Older Adults With Low Physical Functioning. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1184-1191.	3.6	17
228	Metabolic Response to Burn Injury: Nutritional Implications.. Keio Journal of Medicine, 1993, 42, 1-8.	1.1	16
229	Dietary fat composition alters pulmonary function in pigs. Nutrition, 2002, 18, 647-653.	2.4	16
230	Amino acids stimulate leg muscle protein synthesis in peripheral arterial disease. Journal of Vascular Surgery, 2007, 45, 554-560.	1.1	16
231	A method for the rapid determination of protein turnover. Metabolism: Clinical and Experimental, 1982, 31, 749-754.	3.4	15
232	Surfactant phosphatidylcholine in thermally injured pigs. Critical Care Medicine, 2001, 29, 1417-1422.	0.9	15
233	The Intracellular Free Amino Acid Pool Represents Tracer Precursor Enrichment for Calculation of Protein Synthesis in Cultured Fibroblasts and Myocytes. Journal of Nutrition, 2004, 134, 1546-1550.	2.9	15
234	The Flow Phase of Wound Metabolism Is Characterized by Stimulated Protein Synthesis Rather Than Cell Proliferation. Journal of Surgical Research, 2006, 135, 61-67.	1.6	15

#	Article	IF	Citations
235	Plasma triglycerides are not related to tissue lipids and insulin sensitivity in elderly following PPAR-Î± agonist treatment. Mechanisms of Ageing and Development, 2007, 128, 558-565.	4.6	15
236	Effect of epinephrine infusion and adrenergic blockade on glucose oxidation in conscious dogs. Metabolism: Clinical and Experimental, 1986, 35, 673-678.	3.4	14
237	Quantification of DNA synthesis from different pathways in cultured human fibroblasts and myocytes. Metabolism: Clinical and Experimental, 2004, 53, 128-133.	3.4	14
238	Plasma Amino Acid Concentrations During Late Rehabilitation in Patients With Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2007, 88, 234-238.	0.9	14
239	Metabolic Evaluation of the Dietary Guidelinesâ€™ Ounce Equivalents of Protein Food Sources in Young Adults: A Randomized Controlled Trial. Journal of Nutrition, 2021, 151, 1190-1196.	2.9	14
240	Fallibility of the intravenous glucose tolerance test as a measure of endogenous glucose turnover. Metabolism: Clinical and Experimental, 1978, 27, 217-226.	3.4	13
241	Role of Basal Insulin in the Regulation of Protein Kinetics and Energy Metabolism in Septic Patients. Journal of Parenteral and Enteral Nutrition, 1991, 15, 394-399.	2.6	13
242	Lung surfactant kinetics in conscious pigs. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E187-E195.	3.5	13
243	Measurement of precursor enrichment for calculating intramuscular triglyceride fractional synthetic rate. Journal of Lipid Research, 2012, 53, 119-125.	4.2	13
244	Essential amino acid-enriched meal replacement promotes superior net protein balance in older, overweight adults. Clinical Nutrition, 2019, 38, 2821-2826.	5.0	13
245	Advances in Stable Isotope Tracer Methodology Part 2: New Thoughts about an â€œOldâ€• Methodâ€”Measurement of Whole Body Protein Synthesis and Breakdown in the Fed State. Journal of Investigative Medicine, 2020, 68, 11-15.	1.6	13
246	Glucose production in the perfused dog liver: Effect of free fatty acids and ketones. Journal of Surgical Research, 1984, 37, 437-442.	1.6	12
247	Review: The Phospholipid/Arachidonic Acid Second Messenger System: Its Possible Role in Physiology and Pathophysiology of Metabolism. Journal of Parenteral and Enteral Nutrition, 1990, 14, 416-427.	2.6	12
248	Stable isotope tracer dilution for quantifying very low-density lipoprotein-triacylglycerol kinetics in man. Clinical Nutrition, 2004, 23, 457-466.	5.0	12
249	Total Aminoacyl-Transfer RNA Pool Is Greater in Liver Than Muscle in Rabbits. Journal of Nutrition, 2007, 137, 2333-2338.	2.9	12
250	The synthetic rate of muscle triglyceride but not phospholipid is increased in obese rabbits. Metabolism: Clinical and Experimental, 2009, 58, 1649-1656.	3.4	12
251	Perspective: Optimal Protein Intake in the Elderly. Journal of the American Medical Directors Association, 2013, 14, 65-66.	2.5	12
252	Acute lysine supplementation does not improve hepatic or peripheral insulin sensitivity in older, overweight individuals. Nutrition and Metabolism, 2014, 11, 49.	3.0	12

#	Article	IF	Citations
253	A randomized study of dietary composition during weight-loss maintenance: Rationale, study design, intervention, and assessment. Contemporary Clinical Trials, 2018, 65, 76-86.	1.8	12
254	The Anabolic Response to Dietary Protein Is Not Limited by the Maximal Stimulation of Protein Synthesis in Healthy Older Adults: A Randomized Crossover Trial. Nutrients, 2020, 12, 3276.	4.1	12
255	Myostatin Inhibition-Induced Increase in Muscle Mass and Strength Was Amplified by Resistance Exercise Training, and Dietary Essential Amino Acids Improved Muscle Quality in Mice. Nutrients, 2021, 13, 1508.	4.1	12
256	Phenylalanine isotope pulse method to measure effect of sepsis on protein breakdown and membrane transport in the pig. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E519-E529.	3.5	12
257	Mitoribosomal defects aggravate liver cancer via aberrant glycolytic flux and T cell exhaustion. , 2022, 10, e004337.		12
258	Burn shock in untreated and saline-resuscitated guinea pigs development of a model. Journal of Surgical Research, 1976, 21, 269-276.	1.6	11
259	Effects of insulin infusion on glucose kinetics in normal and burned guinea pigs. Life Sciences, 1976, 19, 147-156.	4.3	11
260	Glucose and fatty acid kinetics in fasted rats: Effects of previous protein intake. Metabolism: Clinical and Experimental, 1982, 31, 279-283.	3.4	11
261	Hyper and hypodynamic models of sepsis in guinea pigs. Journal of Surgical Research, 1989, 46, 118-122.	1.6	11
262	Safety and performance benefits of arginine supplements for military personnel: a systematic review. Nutrition Reviews, 2016, 74, 708-721.	5.8	11
263	Acute hypoxia reduces exogenous glucose oxidation, glucose turnover, and metabolic clearance rate during steady-state aerobic exercise. Metabolism: Clinical and Experimental, 2020, 103, 154030.	3.4	11
264	Comparison of basal wholeâ€body protein kinetics and muscle protein synthesis between young and older adults. Physiological Reports, 2020, 8, e14633.	1.7	11
265	The measurement of glucose turnover and oxidation using radioactive and stable isotopes. Journal of Surgical Research, 1983, 34, 187-193.	1.6	10
266	The integrated effect of adrenergic blockade on glucose, fatty acid, and glycerol kinetics: Responses in the basal state and during hormonal control with somatostatin-hormonal infusion. Journal of Surgical Research, 1987, 42, 257-272.	1.6	10
267	Comparison of bolus injection and constant infusion methods for measuring muscle protein fractional synthesis rate in humans. Metabolism: Clinical and Experimental, 2014, 63, 1562-1567.	3.4	10
268	Essential amino acid-enriched whey enhances post-exercise whole-body protein balance during energy deficit more than iso-nitrogenous whey or a mixed-macronutrient meal: a randomized, crossover study. Journal of the International Society of Sports Nutrition, 2021, 18, 4.	3.9	10
269	Cytokine secretion and latent herpes virus reactivation with 28 days of horizontal hypokinesia. Aviation, Space, and Environmental Medicine, 2007, 78, 608-12.	0.5	10
270	The fate of a glucose infusion in fasting and fed guinea pigs: Glucose oxidation rates and the distribution of glucose in liver, muscle, and adipose tissue. Journal of Surgical Research, 1980, 29, 116-125.	1.6	9

#	Article	IF	Citations
271	Glucagon and hepatic glucose production: Modulation by low-dose bradykinin infusion. Metabolism: Clinical and Experimental, 1989, 38, 878-882.	3.4	9
272	Acute hyperinsulinemia and reduced plasma free fatty acid levels decrease intramuscular triglyceride synthesis. Metabolism: Clinical and Experimental, 2013, 62, 44-51.	3.4	9
273	'Endogenous Amino Acid Losses from the Gastrointestinal Tract of the Adult Humanâ€"A Quantitative Model. Journal of Nutrition, 2018, 148, 1871-1881.	2.9	9
274	Nutritional Supplementation with Essential Amino Acids and Phytosterols May Reduce Risk for Metabolic Syndrome and Cardiovascular Disease in Overweight Individuals with Mild Hyperlipidemia. Journal of Endocrinology, Diabetes & Obesity, 2015, 3, .	0.7	9
275	Influence of insulin and palmitic acid concentration on pulmonary surfactant synthesis. Journal of Surgical Research, 1979, 27, 262-267.	1.6	8
276	Ketamine anesthesia causes greater muscle catabolism in rabbits than does propofol. Journal of Nutritional Biochemistry, 1997, 8, 133-139.	4.2	8
277	The WalkAbout: A new solution for preventing falls in the elderly and disabled. Archives of Physical Medicine and Rehabilitation, 2004, 85, 2067-2069.	0.9	8
278	Short term elevation in dietary protein intake does not worsen insulin resistance or lipids in older adults with metabolic syndrome: a randomized-controlled trial. BMC Nutrition, 2017, 3, .	1.6	8
279	The impact of Hayward green kiwifruit on dietary protein digestion and protein metabolism. European Journal of Nutrition, 2021, 60, 1141-1148.	3.9	8
280	Essential Amino Acid-Enriched Diet Alleviates Dexamethasone-Induced Loss of Muscle Mass and Function through Stimulation of Myofibrillar Protein Synthesis and Improves Glucose Metabolism in Mice. Metabolites, 2022, 12, 84.	2.9	8
281	Effect of Food Intake on Hypermetabolic Response to Burn Injury in Guinea Pigs. Journal of Nutrition, 1980, 110, 1310-1312.	2.9	7
282	Tracers in Metabolic Research. Journal of Pediatric Gastroenterology and Nutrition, 1985, 4, 510-511.	1.8	7
283	Triglycerides produced in the livers of fasting rabbits are predominantly stored as opposed to secreted into the plasma. Metabolism: Clinical and Experimental, 2015, 64, 580-587.	3.4	7
284	Skeletal Muscle Acute and Chronic Metabolic Response to Essential Amino Acid Supplementation in Hypertriglyceridemic Older Adults. Current Developments in Nutrition, 2017, 1, e002071.	0.3	7
285	Inhibition of jejunal protein synthesis and breakdown in Pseudomonas aeruginosa-induced sepsis pig model. American Journal of Physiology - Renal Physiology, 2019, 316, G755-G762.	3.4	7
286	Whole-body protein kinetic models to quantify the anabolic response to dietary protein consumption. Clinical Nutrition Open Science, 2021, 36, 78-90.	1.3	7
287	Potential Beneficial Effects of Dietary Protein Supplementation and Exercise on Functional Capacity in a Pilot Study of Individuals with Heart Failure with Preserved Ejection Fraction. Gerontology and Geriatric Medicine, 2020, 6, 233372142098280.	1.5	7
288	The potential role of beef and nutrients found in beef on outcomes of wellbeing in healthy adults 50Âyears of age and older: A systematic review of randomized controlled trials. Meat Science, 2022, 189, 108830.	5.5	7

#	Article	IF	Citations
289	Maximal Parenteral Glucose Oxidation in Hypermetabolic Young Children. Journal of Parenteral and Enteral Nutrition, 1998, 22, 190-190.	2.6	6
290	Regional disposal of intravenously infused glucose during prolonged hyperglycemiaâ€“hyperinsulinemia. Journal of Nutritional Biochemistry, 1999, 10, 547-554.	4.2	6
291	Amino acid control of muscle protein turnover in renal disease. , 2005, 15, 34-38.		6
292	Effect of Î²-hydroxy-Î²-methylbutyrate (HMB) on lean body mass during 10 days ofÂbed rest in older adults. Clinical Nutrition, 2013, 32, 659.	5.0	6
293	Do anabolic nutritional supplements stimulate human growth hormone secretion in elderly women with heart failure?. Physiological Reports, 2017, 5, e13366.	1.7	6
294	Characteristics of a Pseudomonas aeruginosa induced porcine sepsis model for multi-organ metabolic flux measurements. Laboratory Animals, 2018, 52, 163-175.	1.0	6
295	Acute testosterone administration does not affect muscle anabolism. Nutrition and Metabolism, 2019, 16, 56.	3.0	6
296	Net protein balance correlates with expression of autophagy, mitochondrial biogenesis, and fat metabolismâ€related genes in skeletal muscle from older adults. Physiological Reports, 2020, 8, e14575.	1.7	6
297	Further evaluation of isotopic equilibration between labeled pyruvate and lactate. Journal of Nutritional Biochemistry, 1993, 4, 218-221.	4.2	5
298	Effect of hepatectomy on glucose metabolism in the dog. Metabolism: Clinical and Experimental, 1994, 43, 670-676.	3.4	5
299	Amino Acid Availability Regulates the Effect of Hyperinsulinemia on Skin Protein Metabolism in Pigs. Journal of Biological Chemistry, 2015, 290, 17776-17783.	3.4	5
300	Methodological error in measurement of energy expenditure by the doubly labeled water method: much ado about nothing?. American Journal of Clinical Nutrition, 2019, 110, 1253-1254.	4.7	5
301	Effects of Fortetropin on the Rate of Muscle Protein Synthesis in Older Men and Women: A Randomized, Double-Blinded, Placebo-Controlled Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 108-114.	3.6	5
302	Measurement of protein fractional synthesis and breakdown rates in the skin of rabbits using a subflooding dose method. Metabolism: Clinical and Experimental, 2009, 58, 1239-1247.	3.4	4
303	Human skeletal muscle metabolic responses to 6 days of highâ€fat overfeeding are associated with dietary nâ€3PUFA content and muscle oxidative capacity. Physiological Reports, 2020, 8, e14529.	1.7	4
304	Essential Amino Acid Supplement Lowers Intrahepatic Lipid despite Excess Alcohol Consumption. Nutrients, 2020, 12, 254.	4.1	4
305	Perioperative amino acid infusion reestablishes muscle net balance during total hip arthroplasty. Physiological Reports, 2021, 9, e15055.	1.7	4
306	Quantifications of Lipid KineticsIn VivoUsing Stable Isotope Tracer Methodology. Journal of Lipid and Atherosclerosis, 2020, 9, 110.	3.5	4

#	Article	IF	Citations
307	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
308	In Vivo and In Vitro Quantification of Glucose Kinetics: From Bedside to Bench. Endocrinology and Metabolism, 2020, 35, 733-749.	3.0	3
309	Continuous oral stable isotope ingestion to measure whole-body protein turnover. Clinical Nutrition ESPEN, 2022, 49, 385-389.	1.2	3
310	Breastfeeding duration modifies the association between maternal weight status and offspring dietary palmitate oxidation. American Journal of Clinical Nutrition, 2022, 116, 404-414.	4.7	3
311	Session II: Physiological Aspects of Glutamine Metabolism Iâ€" Discussion Summary. Journal of Nutrition, 2001, 131, 2496S-2497S.	2.9	2
312	Quantification of muscle triglyceride synthesis rate requires an adjustment for total triglyceride content. Journal of Lipid Research, 2018, 59, 2018-2024.	4.2	2
313	Serum biomarkers that predict lean mass loss over bed rest in older adults: An exploratory study. Clinica Chimica Acta, 2020, 509, 72-78.	1.1	2
314	Effects of 10 days of bedrest on body composition and the rate of muscle protein synthesis in older men and women. FASEB Journal, 2006, 20, A159.	0.5	2
315	Human mitochondrial oxidative capacity is acutely impaired following burn trauma. FASEB Journal, 2007, 21, A839.	0.5	2
316	Reply to BR Landau. American Journal of Clinical Nutrition, 1991, 53, 982.	4.7	1
317	On estimating intrasubject variability in doubly labeled water experiments. Journal of Nutritional Biochemistry, 1994, 5, 39-42.	4.2	1
318	0104 Effect of Dinner Timing on Nocturnal Metabolism in Healthy Volunteers. Sleep, 2019, 42, A43-A43.	1.1	1
319	Compromised Glutamine - Glutamate Metabolism in a Pseudomonas Aeruginosa Induced Hyperdynamic Sepsis-Recovery Pig Model During an Anabolic Nutritional Intervention. Current Developments in Nutrition, 2020, 4, nzaa055_032.	0.3	1
320	Comparison of Arterial-Venous Balance and Tracer Incorporation Methods for Measuring Muscle Fractional Synthesis and Fractional Breakdown Rates. Journal of Burn Care and Research, 2021, , .	0.4	1
321	Body weight influences genes related to energy metabolism in human skeletal muscle. FASEB Journal, 2018, 32, 589.4.	0.5	1
322	Letters to the Editor. Annals of Surgery, 1980, 191, 385.	4.2	0
323	Empirical Assessment of Model Validity. Journal of Parenteral and Enteral Nutrition, 1991, 15, 50S-54S.	2.6	0
324	Ounce Equivalent Protein Ingestion Does Not Result in Equivalent Responses of Protein Kinetics (OR27-05-19). Current Developments in Nutrition, 2019, 3, nzz046.OR27-05-19.	0.3	0

#	Article	IF	Citations
325	Equivalent servings of free-range reindeer promote greater net protein balance compared to commercial beef. International Journal of Circumpolar Health, 2021, 80, 1897222.	1.2	0
326	Skeletal Muscle Strength and Functional Ability in Older Adults Following 10 Days of Bed Rest. FASEB Journal, 2006, 20, A382.	0.5	0
327	The effects of endurance exercise on skeletal muscle intracellular signaling events. FASEB Journal, 2006, 20, A169.	0.5	0
328	The recovery of labeled acetate in severely burned children 7 days after injury. FASEB Journal, 2006, 20, A169.	0.5	0
329	Nitric oxideâ€stimulated skeletal muscle capillary flow and glucose uptake in healthy elderly. FASEB Journal, 2006, 20, A142.	0.5	0
330	Muscle Protein Synthesis in the Elderly Following Ingestion of Whey Protein or its Corresponding Essential Amino Acid Content. Medicine and Science in Sports and Exercise, 2006, 38, S112.	0.4	0
331	Age Specific Changes in Protein Synthesis and Plasma Amino Acid Profiles Following Intact Protein Ingestion. Medicine and Science in Sports and Exercise, 2006, 38, S113.	0.4	0
332	Essential amino acid supplementation on muscle function and stair ascent/descent following 10 days of bed rest in older adults. FASEB Journal, 2007, 21, A337.	0.5	0
333	ARGININE SUPPLEMENTATION HAS AN ANABOLIC EFFECT ON PROTEINS IN SKIN WOUND AND MUSCLE. FASEB Journal, 2007, 21, A334.	0.5	0
334	Basal and amino acid stimulated fractional synthesis rates of calf muscle protein subfractions in peripheral arterial disease. FASEB Journal, 2008, 22, 1095.4.	0.5	0
335	Changes in skeletal muscle protein synthesis in trained adults during recovery from endurance exercise. FASEB Journal, 2008, 22, 312.8.	0.5	0
336	Quantification of muscle lipid kinetics in obese and lean rabbits. FASEB Journal, 2008, 22, 948.3.	0.5	0
337	Aging Does Not Diminish the Acute Anabolic Response to Resistance Exercise and Ingestion of a Protein-Rich Meal.. Medicine and Science in Sports and Exercise, 2008, 40, S102.	0.4	0
338	Gender effects of supplemental amino acids on nonâ€alcoholic fatty liver disease and chronic inflammation (1025.14). FASEB Journal, 2014, 28, 1025.14.	0.5	0
339	The Link between Dietary Protein Intake, Skeletal Muscle Function and Health in Older Adults. , 2016, , 127-146.		0
340	Age Reduces Autophagy and Mitochondria Related Gene Expression in Human Skeletal Muscle. FASEB Journal, 2019, 33, .	0.5	0
341	Expression of genes related to autophagy and protein breakdown are positively correlated with protein synthesis and protein breakdown in skeletal muscle of healthy adults after a bout of resistance exercise. FASEB Journal, 2020, 34, 1-1.	0.5	0
342	Superior Influence of Reindeer compared to Beef Ingestion on Protein Metabolism in Humans. FASEB Journal, 2020, 34, 1-1.	0.5	0

#	Article	IF	Citations
343	High And Standard Free-form EAA Intake Equally Stimulate Muscle Protein Synthesis During Moderate Energy Deficit. Medicine and Science in Sports and Exercise, 2020, 52, 103-104.	0.4	0
344	High Compared To Standard Essential Amino Acid Intakes Enhance Whole-Body Protein Balance During Energy Deficit. Medicine and Science in Sports and Exercise, 2020, 52, 506-506.	0.4	0
345	The Role of Dietary Essential Amino Acids in Muscle and Health. Food Supplements and Biomaterials for Health, 0, 2, .	0.2	0
346	Essential Amino Acid Regulation of Protein Turnover to Support Skeletal Muscle Health with Age. FASEB Journal, 2022, 36, .	0.5	0