

Robert R Wolfe

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339
papers

25,420
citations

84
h-index

152
g-index

355
ext. papers

28,502
ext. citations

5.3
avg, IF

7.11
L-index

#	Paper	IF	Citations
339	Cachexia: a new definition. <i>Clinical Nutrition</i> , 2008 , 27, 793-9	5.9	1486
338	The underappreciated role of muscle in health and disease. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 475-82	7	822
337	A high proportion of leucine is required for optimal stimulation of the rate of muscle protein synthesis by essential amino acids in the elderly. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E381-7	6	606
336	Essential amino acids are primarily responsible for the amino acid stimulation of muscle protein anabolism in healthy elderly adults. <i>American Journal of Clinical Nutrition</i> , 2003 , 78, 250-8	7	564
335	Reversal of catabolism by beta-blockade after severe burns. <i>New England Journal of Medicine</i> , 2001 , 345, 1223-9	59.2	538
334	Effect of 10 days of bed rest on skeletal muscle in healthy older adults. <i>JAMA - Journal of the American Medical Association</i> , 2007 , 297, 1772-4	27.4	502
333	Effect of severe burn injury on substrate cycling by glucose and fatty acids. <i>New England Journal of Medicine</i> , 1987 , 317, 403-8	59.2	405
332	Applied nutrition in ICU patients. A consensus statement of the American College of Chest Physicians. <i>Chest</i> , 1997 , 111, 769-78	5.3	400
331	An oral essential amino acid-carbohydrate supplement enhances muscle protein anabolism after resistance exercise. <i>Journal of Applied Physiology</i> , 2000 , 88, 386-92	3.7	387
330	Aging is associated with diminished accretion of muscle proteins after the ingestion of a small bolus of essential amino acids. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 1065-73	7	375
329	Human muscle protein synthesis is modulated by extracellular, not intramuscular amino acid availability: a dose-response study. <i>Journal of Physiology</i> , 2003 , 552, 315-24	3.9	349
328	Protein, weight management, and satiety. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 1558S-1561S	7	344
327	The response of muscle protein anabolism to combined hyperaminoacidemia and glucose-induced hyperinsulinemia is impaired in the elderly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 4481-90	5.6	343
326	Amino acid ingestion improves muscle protein synthesis in the young and elderly. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 286, E321-8	6	327
325	Glucose metabolism in man: responses to intravenous glucose infusion. <i>Metabolism: Clinical and Experimental</i> , 1979 , 28, 210-20	12.7	314
324	Glucose metabolism in severely burned patients. <i>Metabolism: Clinical and Experimental</i> , 1979 , 28, 1031-9	12.7	309
323	Latency and duration of stimulation of human muscle protein synthesis during continuous infusion of amino acids. <i>Journal of Physiology</i> , 2001 , 532, 575-9	3.9	300

322	Mechanisms of insulin resistance following injury. <i>Annals of Surgery</i> , 1982 , 196, 420-35	7.8	299
321	Optimal protein intake in the elderly. <i>Clinical Nutrition</i> , 2008 , 27, 675-84	5.9	289
320	Glucose requirements following burn injury. Parameters of optimal glucose infusion and possible hepatic and respiratory abnormalities following excessive glucose intake. <i>Annals of Surgery</i> , 1979 , 190, 274-85	7.8	287
319	Essential amino acids and muscle protein recovery from resistance exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 283, E648-57	6	283
318	Role of dietary protein in the sarcopenia of aging. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 1562S-1566S	7.8	281
317	Insulin resistance of muscle protein metabolism in aging. <i>FASEB Journal</i> , 2006 , 20, 768-9	0.9	263
316	Determinants of skeletal muscle catabolism after severe burn. <i>Annals of Surgery</i> , 2000 , 232, 455-65	7.8	260
315	A moderate serving of high-quality protein maximally stimulates skeletal muscle protein synthesis in young and elderly subjects. <i>Journal of the American Dietetic Association</i> , 2009 , 109, 1582-6		243
314	Essential amino acid and carbohydrate supplementation ameliorates muscle protein loss in humans during 28 days bedrest. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 4351-8	5.6	233
313	Is the optimal level of protein intake for older adults greater than the recommended dietary allowance?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 677-81	6.4	230
312	Enteral nutritional support in prevention and treatment of pressure ulcers: a systematic review and meta-analysis. <i>Ageing Research Reviews</i> , 2005 , 4, 422-50	12	230
311	Hypoalbuminemia: Pathogenesis and Clinical Significance. <i>Journal of Parenteral and Enteral Nutrition</i> , 2019 , 43, 181-193	4.2	223
310	Response of protein and urea kinetics in burn patients to different levels of protein intake. <i>Annals of Surgery</i> , 1983 , 197, 163-71	7.8	212
309	Ingestion of casein and whey proteins result in muscle anabolism after resistance exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 2073-81	1.2	209
308	Whole body protein kinetics in severely septic patients. The response to glucose infusion and total parenteral nutrition. <i>Annals of Surgery</i> , 1987 , 205, 288-94	7.8	209
307	Investigation of factors determining the optimal glucose infusion rate in total parenteral nutrition. <i>Metabolism: Clinical and Experimental</i> , 1980 , 29, 892-900	12.7	207
306	Bed-rest-induced insulin resistance occurs primarily in muscle. <i>Metabolism: Clinical and Experimental</i> , 1988 , 37, 802-6	12.7	204
305	Intramuscular and liver triglycerides are increased in the elderly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 3864-71	5.6	203

304	Anabolic effects of oxandrolone after severe burn. <i>Annals of Surgery</i> , 2001 , 233, 556-64	7.8	194
303	Aging does not impair the anabolic response to a protein-rich meal. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 451-6	7	190
302	Stimulation of muscle protein synthesis by long-term insulin infusion in severely burned patients. <i>Annals of Surgery</i> , 1995 , 222, 283-94; 294-7	7.8	190
301	Oral amino acids stimulate muscle protein anabolism in the elderly despite higher first-pass splanchnic extraction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 277, E513-20 ⁶		182
300	Effect of β-hydroxy-β-methylbutyrate (HMB) on lean body mass during 10 days of bed rest in older adults. <i>Clinical Nutrition</i> , 2013 , 32, 704-12	5.9	181
299	Effect of amino acid supplementation on muscle mass, strength and physical function in elderly. <i>Clinical Nutrition</i> , 2008 , 27, 189-95	5.9	180
298	A submaximal dose of insulin promotes net skeletal muscle protein synthesis in patients with severe burns. <i>Annals of Surgery</i> , 1999 , 229, 11-8	7.8	179
297	EAA supplementation to increase nitrogen intake improves muscle function during bed rest in the elderly. <i>Clinical Nutrition</i> , 2010 , 29, 18-23	5.9	178
296	Independent and combined effects of amino acids and glucose after resistance exercise. <i>Medicine and Science in Sports and Exercise</i> , 2003 , 35, 449-55	1.2	176
295	Atrophy and impaired muscle protein synthesis during prolonged inactivity and stress. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 4836-41	5.6	175
294	Resistance exercise maintains skeletal muscle protein synthesis during bed rest. <i>Journal of Applied Physiology</i> , 1997 , 82, 807-10	3.7	171
293	An integrated analysis of glucose, fat, and protein metabolism in severely traumatized patients. Studies in the basal state and the response to total parenteral nutrition. <i>Annals of Surgery</i> , 1989 , 209, 63-72	7.8	171
292	Differentiation between septic and postburn insulin resistance. <i>Metabolism: Clinical and Experimental</i> , 1989 , 38, 983-9	12.7	168
291	Differential stimulation of muscle protein synthesis in elderly humans following isocaloric ingestion of amino acids or whey protein. <i>Experimental Gerontology</i> , 2006 , 41, 215-9	4.5	167
290	Protein and amino acids for athletes. <i>Journal of Sports Sciences</i> , 2004 , 22, 65-79	3.6	164
289	Regulation of muscle protein by amino acids. <i>Journal of Nutrition</i> , 2002 , 132, 3219S-24S	4.1	164
288	Effect of carbohydrate intake on net muscle protein synthesis during recovery from resistance exercise. <i>Journal of Applied Physiology</i> , 2004 , 96, 674-8	3.7	158
287	Dynamics of the protein metabolic response to burn injury. <i>Metabolism: Clinical and Experimental</i> , 1988 , 37, 330-7	12.7	149

286	Fatty acid and glycerol kinetics in septic patients and in patients with gastrointestinal cancer. The response to glucose infusion and parenteral feeding. <i>Annals of Surgery</i> , 1987 , 205, 368-76	7.8	147
285	Muscle protein synthesis in cancer patients can be stimulated with a specially formulated medical food. <i>Clinical Nutrition</i> , 2011 , 30, 759-68	5.9	142
284	Muscle protein catabolism after severe burn: effects of IGF-1/IGFBP-3 treatment. <i>Annals of Surgery</i> , 1999 , 229, 713-20; discussion 720-2	7.8	142
283	Milk ingestion stimulates net muscle protein synthesis following resistance exercise. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 667-74	1.2	139
282	Harry M. Vars Research Award. A new model to determine in vivo the relationship between amino acid transmembrane transport and protein kinetics in muscle. <i>Journal of Parenteral and Enteral Nutrition</i> , 1992 , 16, 305-15	4.2	137
281	Testosterone administration in severe burns ameliorates muscle catabolism. <i>Critical Care Medicine</i> , 2001 , 29, 1936-42	1.4	136
280	Protein Consumption and the Elderly: What Is the Optimal Level of Intake?. <i>Nutrients</i> , 2016 , 8,	6.7	136
279	Arginine de novo and nitric oxide production in disease states. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E1177-89	6	133
278	Longitudinal changes in basal hepatic glucose production and suppression during insulin infusion in normal pregnant women. <i>American Journal of Obstetrics and Gynecology</i> , 1992 , 167, 913-9	6.4	132
277	Exercise, protein metabolism, and muscle growth. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2001 , 11, 109-32	4.4	125
276	Effects of early excision and aggressive enteral feeding on hypermetabolism, catabolism, and sepsis after severe burn. <i>Journal of Trauma</i> , 2003 , 54, 755-61; discussion 761-4		122
275	Quantity of dietary protein intake, but not pattern of intake, affects net protein balance primarily through differences in protein synthesis in older adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E21-8	6	119
274	Inverse regulation of protein turnover and amino acid transport in skeletal muscle of hypercatabolic patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 3378-84	5.6	118
273	Effects of a low carbohydrate diet on energy expenditure during weight loss maintenance: randomized trial. <i>BMJ, The</i> , 2018 , 363, k4583	5.9	117
272	Differential anabolic effects of testosterone and amino acid feeding in older men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 358-62	5.6	116
271	Whey protein ingestion in elderly persons results in greater muscle protein accrual than ingestion of its constituent essential amino acid content. <i>Nutrition Research</i> , 2008 , 28, 651-8	4	115
270	Effect of propranolol administration on hemodynamic and metabolic responses of burned pediatric patients. <i>Annals of Surgery</i> , 1988 , 208, 484-92	7.8	114
269	Effects of obesity on substrate utilization during exercise. <i>Obesity</i> , 2002 , 10, 575-84		113

268	Is there a maximal anabolic response to protein intake with a meal?. <i>Clinical Nutrition</i> , 2013 , 32, 309-13	5.9	109
267	Regulation of lipolysis in severely burned children. <i>Annals of Surgery</i> , 1987 , 206, 214-21	7.8	105
266	Branched-chain amino acids and muscle protein synthesis in humans: myth or reality?. <i>Journal of the International Society of Sports Nutrition</i> , 2017 , 14, 30	4.5	104
265	Effect of elevated free fatty acids on glucose oxidation in normal humans. <i>Metabolism: Clinical and Experimental</i> , 1988 , 37, 323-9	12.7	104
264	Acute energy deprivation affects skeletal muscle protein synthesis and associated intracellular signaling proteins in physically active adults. <i>Journal of Nutrition</i> , 2010 , 140, 745-51	4.1	99
263	Measurement of very low stable isotope enrichments by gas chromatography/mass spectrometry: application to measurement of muscle protein synthesis. <i>Metabolism: Clinical and Experimental</i> , 1997 , 46, 943-8	12.7	98
262	Efficacy of a high-carbohydrate diet in catabolic illness. <i>Critical Care Medicine</i> , 2001 , 29, 1318-24	1.4	97
261	Regulation of fatty acid oxidation in skeletal muscle. <i>Annual Review of Nutrition</i> , 1999 , 19, 463-84	9.9	96
260	The role of dietary protein in optimizing muscle mass, function and health outcomes in older individuals. <i>British Journal of Nutrition</i> , 2012 , 108 Suppl 2, S88-93	3.6	91
259	Insulin sensitivity and mitochondrial function are improved in children with burn injury during a randomized controlled trial of fenofibrate. <i>Annals of Surgery</i> , 2007 , 245, 214-21	7.8	88
258	Beta-blockade lowers peripheral lipolysis in burn patients receiving growth hormone. Rate of hepatic very low density lipoprotein triglyceride secretion remains unchanged. <i>Annals of Surgery</i> , 1996 , 223, 777-87; discussion 787-9	7.8	88
257	Bed rest promotes reductions in walking speed, functional parameters, and aerobic fitness in older, healthy adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 91-6	6.4	85
256	Protein supplements and exercise. <i>American Journal of Clinical Nutrition</i> , 2000 , 72, 551S-7S	7	85
255	Regulation of skeletal muscle protein metabolism in catabolic states. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2005 , 8, 61-5	3.8	84
254	Muscle protein metabolism in female swimmers after a combination of resistance and endurance exercise. <i>Journal of Applied Physiology</i> , 1996 , 81, 2034-8	3.7	84
253	Protein and amino acid metabolism after injury. <i>Diabetes/metabolism Reviews</i> , 1989 , 5, 149-64		80
252	Improved net protein balance, lean mass, and gene expression changes with oxandrolone treatment in the severely burned. <i>Annals of Surgery</i> , 2003 , 237, 801-10; discussion 810-1	7.8	79
251	Ounce Equivalent Protein Ingestion Does Not Result in Equivalent Responses of Protein Kinetics (OR27-05-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78

250	Influence of metformin on glucose intolerance and muscle catabolism following severe burn injury. <i>Annals of Surgery</i> , 2005 , 241, 334-42	7.8	78
249	Compromised Glutamine - Glutamate Metabolism in a Pseudomonas Aeruginosa Induced Hyperdynamic Sepsis-Recovery Pig Model During an Anabolic Nutritional Intervention. <i>Current Developments in Nutrition</i> , 2020 , 4, 1147-1147	0.4	78
248	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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E73-80	6	74
247	The recommended dietary allowance of protein: a misunderstood concept. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 299, 2891-3	27.4	73
246	Effect of an amino acid, protein, and carbohydrate mixture on net muscle protein balance after resistance exercise. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2004 , 14, 255-71	4.4	72
245	Aerobic exercise training increases skeletal muscle protein turnover in healthy adults at rest. <i>Journal of Nutrition</i> , 2006 , 136, 379-83	4.1	70
244	Acute response of human muscle protein to catabolic hormones. <i>Annals of Surgery</i> , 1993 , 218, 679-84	7.8	70
243	Changes in intermediary metabolism in severe surgical illness. <i>World Journal of Surgery</i> , 2000 , 24, 639-47	3.3	69
242	Measurement of 15N enrichment in multiple amino acids and urea in a single analysis by gas chromatography/mass spectrometry. <i>Biological Mass Spectrometry</i> , 1993 , 22, 518-23		68
241	Subclinical abnormalities of glucose metabolism in subjects with previous gestational diabetes. <i>American Journal of Obstetrics and Gynecology</i> , 1986 , 155, 1255-62	6.4	68
240	Variation in total energy expenditure in young healthy free-living men. <i>Metabolism: Clinical and Experimental</i> , 1993 , 42, 487-96	12.7	66
239	The use of beta-adrenergic blockade in preventing trauma-induced hepatomegaly. <i>Annals of Surgery</i> , 2006 , 243, 115-20	7.8	64
238	Proteins and amino acids are fundamental to optimal nutrition support in critically ill patients. <i>Critical Care</i> , 2014 , 18, 591	10.8	63
237	Dietary protein adequacy and lower body versus whole body resistive training in older humans. <i>Journal of Physiology</i> , 2002 , 542, 631-42	3.9	63
236	Substrate utilization/insulin resistance in sepsis/trauma. <i>Baillieres Clinical Endocrinology and Metabolism</i> , 1997 , 11, 645-57		62
235	Effect of exogenous growth hormone on glucose utilization in burn patients. <i>Journal of Surgical Research</i> , 1991 , 51, 518-23	2.5	62
234	Obstructive Sleep Apnea Dynamically Increases Nocturnal Plasma Free Fatty Acids, Glucose, and Cortisol During Sleep. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 3172-3181	5.6	61
233	Optimizing Protein Intake in Adults: Interpretation and Application of the Recommended Dietary Allowance Compared with the Acceptable Macronutrient Distribution Range. <i>Advances in Nutrition</i> , 2017 , 8, 266-275	10	61

232	Protein quality as determined by the Digestible Indispensable Amino Acid Score: evaluation of factors underlying the calculation. <i>Nutrition Reviews</i> , 2016 , 74, 584-99	6.4	61
231	Applications of stable, nonradioactive isotope tracers in in vivo human metabolic research. <i>Experimental and Molecular Medicine</i> , 2016 , 48, e203	12.8	61
230	Albumin synthesis after intense intermittent exercise in human subjects. <i>Journal of Applied Physiology</i> , 1998 , 84, 584-92	3.7	60
229	Amino acid metabolism and inflammatory burden in ovarian cancer patients undergoing intense oncological therapy. <i>Clinical Nutrition</i> , 2007 , 26, 736-43	5.9	59
228	Measurement of muscle protein fractional synthesis and breakdown rates from a pulse tracer injection. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 283, E753-64	6	59
227	Exogenous amino acids stimulate human muscle anabolism without interfering with the response to mixed meal ingestion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E761-7	6.7	58
226	Malonyl coenzyme A and the regulation of functional carnitine palmitoyltransferase-1 activity and fat oxidation in human skeletal muscle. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1687-93	15.9	58
225	Stimulation of muscle anabolism by resistance exercise and ingestion of leucine plus protein. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009 , 34, 151-61	3	57
224	Extremity hyperinsulinemia stimulates muscle protein synthesis in severely injured patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 286, E529-34	6	57
223	Urea and protein metabolism in burned children: effect of dietary protein intake. <i>Metabolism: Clinical and Experimental</i> , 1997 , 46, 573-8	12.7	56
222	Potential ergogenic effects of arginine and creatine supplementation. <i>Journal of Nutrition</i> , 2004 , 134, 2888S-2894S; discussion 2895S	4.1	56
221	Update on maximal anabolic response to dietary protein. <i>Clinical Nutrition</i> , 2018 , 37, 411-418	5.9	55
220	Propranolol decreases splanchnic triacylglycerol storage in burn patients receiving a high-carbohydrate diet. <i>Annals of Surgery</i> , 2002 , 236, 218-25	7.8	55
219	Markers of inflammation, proteolysis, and apoptosis in ESRD. <i>American Journal of Kidney Diseases</i> , 2003 , 42, 1212-20	7.4	54
218	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. <i>Nutrition Journal</i> , 2014 , 13, 9	4.3	53
217	Effect of total parenteral nutrition on free fatty acid metabolism in burned patients. <i>Journal of Parenteral and Enteral Nutrition</i> , 1984 , 8, 357-60	4.2	53
216	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. <i>Clinical Nutrition</i> , 2018 , 37, 488-493	5.9	51
215	Fatiguing exercise reduces DNA binding activity of NF-kappaB in skeletal muscle nuclei. <i>Journal of Applied Physiology</i> , 2004 , 97, 1740-5	3.7	51

214	Oral branched-chain amino acids decrease whole-body proteolysis. <i>Journal of Parenteral and Enteral Nutrition</i> , 1995 , 19, 47-54	4.2	49
213	Latency, duration and dose response relationships of amino acid effects on human muscle protein synthesis. <i>Journal of Nutrition</i> , 2002 , 132, 3225S-7S	4.1	48
212	Propranolol diminishes extremity blood flow in burned patients. <i>Annals of Surgery</i> , 1991 , 213, 568-73; discussion 573-4	7.8	48
211	Accelerated glutamine synthesis in critically ill patients cannot maintain normal intramuscular free glutamine concentration. <i>Journal of Parenteral and Enteral Nutrition</i> , 1999 , 23, 243-50; discussion 250-2	4.2	47
210	Twenty-eight-day bed rest with hypercortisolemia induces peripheral insulin resistance and increases intramuscular triglycerides. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 703-10	12.7	46
209	Role of fat metabolism in burn trauma-induced skeletal muscle insulin resistance. <i>Critical Care Medicine</i> , 2007 , 35, S476-83	1.4	45
208	Alterations in protein metabolism during space flight and inactivity. <i>Nutrition</i> , 2002 , 18, 837-41	4.8	45
207	Insulin action on protein metabolism. <i>Baillieres Clinical Endocrinology and Metabolism</i> , 1993 , 7, 989-1005		45
206	Effect of alanine infusion on glucose and urea production in man. <i>Journal of Parenteral and Enteral Nutrition</i> , 1987 , 11, 109-11	4.2	44
205	Lipolytic response to metabolic stress in critically ill patients. <i>Critical Care Medicine</i> , 1991 , 19, 776-9	1.4	43
204	Hypercortisolemia alters muscle protein anabolism following ingestion of essential amino acids. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 284, E946-53	6	42
203	The catabolic effects of prolonged inactivity and acute hypercortisolemia are offset by dietary supplementation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 1453-9	5.6	42
202	Response to glucose and lipid infusions in sepsis: a kinetic analysis. <i>Metabolism: Clinical and Experimental</i> , 1985 , 34, 442-9	12.7	42
201	Factors contributing to the selection of dietary protein food sources. <i>Clinical Nutrition</i> , 2018 , 37, 130-138	9	42
200	Acute ingestion of citrulline stimulates nitric oxide synthesis but does not increase blood flow in healthy young and older adults with heart failure. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E915-24	6	41
199	PPAR-alpha 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. <i>Nutrition and Metabolism</i> , 2007 , 4, 9	4.6	40
198	Local insulin-zinc injection accelerates skin donor site wound healing. <i>Journal of Surgical Research</i> , 2007 , 142, 90-6	2.5	40
197	Energy expenditure of swimmers during high volume training. <i>Medicine and Science in Sports and Exercise</i> , 1997 , 29, 950-4	1.2	40

196	Relative influence of glucose and insulin on peripheral amino acid metabolism in severely burned patients. <i>Journal of Parenteral and Enteral Nutrition</i> , 2002 , 26, 271-7	4.2	39
195	Intensive insulin therapy improves insulin sensitivity and mitochondrial function in severely burned children. <i>Critical Care Medicine</i> , 2010 , 38, 1475-83	1.4	38
194	Effect of theophylline on substrate metabolism during exercise. <i>Metabolism: Clinical and Experimental</i> , 1996 , 45, 1153-60	12.7	38
193	Concentration dependence of methyl palmitate isotope ratios by electron impact ionization gas chromatography/mass spectrometry. <i>Biological Mass Spectrometry</i> , 1993 , 22, 481-6		38
192	Update on protein intake: importance of milk proteins for health status of the elderly. <i>Nutrition Reviews</i> , 2015 , 73 Suppl 1, 41-7	6.4	36
191	Skeletal muscle protein metabolism and resistance exercise. <i>Journal of Nutrition</i> , 2006 , 136, 525S-528S	4.1	36
190	An animal model for measurement of protein metabolism in the skin. <i>Surgery</i> , 1996 , 119, 326-32	3.6	36
189	Quantification of protein metabolism in vivo for skin, wound, and muscle in severe burn patients. <i>Journal of Parenteral and Enteral Nutrition</i> , 2006 , 30, 331-8	4.2	35
188	Human mitochondrial oxidative capacity is acutely impaired after burn trauma. <i>American Journal of Surgery</i> , 2008 , 196, 234-9	2.7	34
187	Effects of amino acid intake on anabolic processes. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2001 , 26 Suppl, S220-7		34
186	Effects of β-hydroxy-β-methylbutyrate on skeletal muscle mitochondrial content and dynamics, and lipids after 10 days of bed rest in older adults. <i>Journal of Applied Physiology</i> , 2017 , 123, 1092-1100	3.7	33
185	Muscle protein synthesis and balance responsiveness to essential amino acids ingestion in the presence of elevated plasma free fatty acid concentrations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 2984-90	5.6	33
184	Bedrest and sarcopenia. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 7-11	3.8	33
183	Testosterone and Muscle Protein Metabolism. <i>Mayo Clinic Proceedings</i> , 2000 , 75, S55-S60	6.4	33
182	Generalized lipodystrophy: in vivo evidence for hypermetabolism and insulin-resistant lipid, glucose, and amino acid kinetics. <i>Metabolism: Clinical and Experimental</i> , 1992 , 41, 893-6	12.7	33
181	Regulation of fatty acid oxidation in untrained vs. trained men during exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E510-5	6	32
180	Isotopic measurement of glucose and lactate kinetics. <i>Annals of Medicine</i> , 1990 , 22, 163-70	1.5	32
179	Energy and protein metabolism in sarcoma patients. <i>Annals of Surgery</i> , 1988 , 207, 283-9	7.8	32

178	In vivo muscle amino acid transport involves two distinct processes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 287, E136-41	6	31
177	Lung injury in acute pancreatitis: primary inhibition of pulmonary phospholipid synthesis. <i>American Journal of Surgery</i> , 1987 , 153, 54-61	2.7	31
176	Measurement of stable isotopic enrichment and concentration of long-chain fatty acyl-carnitines in tissue by HPLC-MS. <i>Journal of Lipid Research</i> , 2006 , 47, 431-9	6.3	30
175	Leg glucose and protein metabolism during an acute bout of resistance exercise in humans. <i>Journal of Applied Physiology</i> , 2004 , 97, 1379-86	3.7	30
174	The 2017 Sir David P Cuthbertson lecture. Amino acids and muscle protein metabolism in critical care. <i>Clinical Nutrition</i> , 2018 , 37, 1093-1100	5.9	29
173	The Link between Dietary Protein Intake, Skeletal Muscle Function and Health in Older Adults. <i>Healthcare (Switzerland)</i> , 2015 , 3, 529-43	3.4	29
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4	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. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9
3	Gender effects of supplemental amino acids on non-alcoholic fatty liver disease and chronic inflammation (1025.14). <i>FASEB Journal</i> , 2014 , 28, 1025.14	0.9
2	The Link between Dietary Protein Intake, Skeletal Muscle Function and Health in Older Adults 2016 , 127-146	
1	Equivalent servings of free-range reindeer promote greater net protein balance compared to commercial beef. <i>International Journal of Circumpolar Health</i> , 2021 , 80, 1897222	1.7