

# Blake B Rasmussen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144  
papers

14,277  
citations

58  
h-index

119  
g-index

152  
ext. papers

15,934  
ext. citations

4  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
144	Effect of the lysosomotropic agent chloroquine on mTORC1 activation and protein synthesis in human skeletal muscle. <i>Nutrition and Metabolism</i> , <b>2021</b> , 18, 61	4.6	0
143	Measuring Exercise Capacity and Physical Function in Adult and Older Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2021</b> , 76, 819-824	6.4	6
142	ATF4 Is a Fundamental Regulator of Nutrient Sensing and Protein Turnover. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 979-980	4.1	2
141	Resistance exercise training promotes fiber type-specific myonuclear adaptations in older adults. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 795-804	3.7	14
140	Type 2 Diabetes Reduces the Muscle Anabolic Effect of Resistance Exercise Training in Older Adults. <i>Innovation in Aging</i> , <b>2020</b> , 4, 529-529	0.1	1
139	Effect of essential amino acid supplementation and aerobic exercise on insulin sensitivity in healthy older adults: A randomized clinical trial. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 1371-1378	5.9	2
138	Low skeletal muscle capillarization limits muscle adaptation to resistance exercise training in older adults. <i>Experimental Gerontology</i> , <b>2019</b> , 127, 110723	4.5	24
137	Whey Protein Hydrolysate Increases Amino Acid Uptake, mTORC1 Signaling, and Protein Synthesis in Skeletal Muscle of Healthy Young Men in a Randomized Crossover Trial. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 1149-1158	4.1	16
136	Moderate-intensity aerobic exercise improves skeletal muscle quality in older adults. <i>Translational Sports Medicine</i> , <b>2019</b> , 2, 109-119	1.3	8
135	The Importance of Resistance Exercise Training to Combat Neuromuscular Aging. <i>Physiology</i> , <b>2019</b> , 34, 112-122	9.8	44
134	Effect of Aerobic Exercise Training and Essential Amino Acid Supplementation for 24 Weeks on Physical Function, Body Composition, and Muscle Metabolism in Healthy, Independent Older Adults: A Randomized Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 1598-1604	6.4	23
133	TRANSCRIPTOME ALTERATIONS ASSOCIATED WITH AGE-RELATED DECLINE IN PHYSICAL FUNCTION.. <i>Innovation in Aging</i> , <b>2019</b> , 3, S872-S872	0.1	78
132	EFFECTS OF RESISTANCE EXERCISE TRAINING ON ENDOTHELIAL FUNCTION AND MUSCLE PERFUSION IN OLDER ADULTS WITH DIABETES. <i>Innovation in Aging</i> , <b>2019</b> , 3, S951-S952	0.1	78
131	Skeletal muscle-specific knockout of DEP domain containing 5 protein increases mTORC1 signaling, muscle cell hypertrophy, and mitochondrial respiration. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 4091-4102	5.4	13
130	Repetitive TLR3 activation in the lung induces skeletal muscle adaptations and cachexia. <i>Experimental Gerontology</i> , <b>2018</b> , 106, 88-100	4.5	10
129	Muscle Protein Anabolic Resistance to Essential Amino Acids Does Not Occur in Healthy Older Adults Before or After Resistance Exercise Training. <i>Journal of Nutrition</i> , <b>2018</b> , 148, 900-909	4.1	29
128	Post-absorptive muscle protein turnover affects resistance training hypertrophy. <i>European Journal of Applied Physiology</i> , <b>2017</b> , 117, 853-866	3.4	26

127	Postexercise essential amino acid supplementation amplifies skeletal muscle satellite cell proliferation in older men 24 hours postexercise. <i>Physiological Reports</i> , <b>2017</b> , 5, e13269	2.6	9
126	Protein Supplementation Does Not Affect Myogenic Adaptations to Resistance Training. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1197-1208	1.2	25
125	The impact of postexercise essential amino acid ingestion on the ubiquitin proteasome and autophagosomal-lysosomal systems in skeletal muscle of older men. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 620-630	3.7	18
124	Essential amino acid ingestion alters expression of genes associated with amino acid sensing, transport, and mTORC1 regulation in human skeletal muscle. <i>Nutrition and Metabolism</i> , <b>2017</b> , 14, 35	4.6	15
123	Mitochondrial Bioenergetics in the Metabolic Myopathy Accompanying Peripheral Artery Disease. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 141	4.6	20
122	Increasing Insulin Availability Does Not Augment Postprandial Muscle Protein Synthesis Rates in Healthy Young and Older Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 3978-3988	5.6	11
121	Amino Acid Sensing in Skeletal Muscle. <i>Trends in Endocrinology and Metabolism</i> , <b>2016</b> , 27, 796-806	8.8	51
120	Soy-Dairy Protein Blend or Whey Protein Isolate Ingestion Induces Similar Postexercise Muscle Mechanistic Target of Rapamycin Complex 1 Signaling and Protein Synthesis Responses in Older Men. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 2468-2475	4.1	34
119	Hypermetabolism and hypercatabolism of skeletal muscle accompany mitochondrial stress following severe burn trauma. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 311, E436-48	6	30
118	Long-Term Skeletal Muscle Mitochondrial Dysfunction is Associated with Hypermetabolism in Severely Burned Children. <i>Journal of Burn Care and Research</i> , <b>2016</b> , 37, 53-63	0.8	34
117	Satellite cell activation and apoptosis in skeletal muscle from severely burned children. <i>Journal of Physiology</i> , <b>2016</b> , 594, 5223-36	3.9	34
116	Role of Ingested Amino Acids and Protein in the Promotion of Resistance Exercise-Induced Muscle Protein Anabolism. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 155-83	4.1	78
115	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
114	Human and Mouse Brown Adipose Tissue Mitochondria Have Comparable UCP1 Function. <i>Cell Metabolism</i> , <b>2016</b> , 24, 246-55	24.6	72
113	Protein Supplementation Has Minimal Effects on Muscle Adaptations during Resistance Exercise Training in Young Men: A Double-Blind Randomized Clinical Trial. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 1660-9	4.1	38
112	Effect of age on basal muscle protein synthesis and mTORC1 signaling in a large cohort of young and older men and women. <i>Experimental Gerontology</i> , <b>2015</b> , 65, 1-7	4.5	86
111	Mitochondrial respiratory capacity and coupling control decline with age in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 309, E224-32	6	71
110	Influence of ageing and essential amino acids on quantitative patterns of troponin T alternative splicing in human skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2015</b> , 40, 788-796	3	6

109	Post-Prandial Protein Handling: You Are What You Just Ate. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141582	3.7	59
108	Defining meal requirements for protein to optimize metabolic roles of amino acids. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 101, 1330S-1338S	7	77
107	Resistance Exercise Training Alters Mitochondrial Function in Human Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1922-31	1.2	112
106	Blunted IL-6 and IL-10 response to maximal aerobic exercise in patients with traumatic brain injury. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 111-8	3.4	6
105	The Influence of Excess Postexercise Leucine Ingestion on Markers of Autophagy in Skeletal Muscle of Older Men. <i>FASEB Journal</i> , <b>2015</b> , 29, LB680	0.9	
104	Insulin increases mRNA abundance of the amino acid transporter SLC7A5/LAT1 via an mTORC1-dependent mechanism in skeletal muscle cells. <i>Physiological Reports</i> , <b>2014</b> , 2, e00238	2.6	22
103	Leucine-enriched amino acid ingestion after resistance exercise prolongs myofibrillar protein synthesis and amino acid transporter expression in older men. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 1694-702	4.1	71
102	Uncoupled skeletal muscle mitochondria contribute to hypermetabolism in severely burned adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 307, E462-7	6	45
101	Activation of mTORC1 signaling and protein synthesis in human muscle following blood flow restriction exercise is inhibited by rapamycin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E1198-204	6	70
100	Soy-dairy protein blend and whey protein ingestion after resistance exercise increases amino acid transport and transporter expression in human skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 1353-64	3.7	61
99	Higher sodium and saturated fat intake is associated with lower muscle protein synthesis in elders (820.16). <i>FASEB Journal</i> , <b>2014</b> , 28, 820.16	0.9	
98	Aging differentially affects human skeletal muscle amino acid transporter expression when essential amino acids are ingested after exercise. <i>Clinical Nutrition</i> , <b>2013</b> , 32, 273-80	5.9	52
97	Rapamycin does not affect post-absorptive protein metabolism in human skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , <b>2013</b> , 62, 144-51	12.7	13
96	A soy, whey and caseinate blend extends postprandial skeletal muscle protein synthesis in rats. <i>Clinical Nutrition</i> , <b>2013</b> , 32, 585-91	5.9	24
95	Short-term bed rest increases TLR4 and IL-6 expression in skeletal muscle of older adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2013</b> , 305, R216-23	3.2	73
94	Skeletal muscle autophagy and protein breakdown following resistance exercise are similar in younger and older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2013</b> , 68, 599-607	6.4	119
93	Exercise and nutrition to target protein synthesis impairments in aging skeletal muscle. <i>Exercise and Sport Sciences Reviews</i> , <b>2013</b> , 41, 216-23	6.7	92
92	Amino acid transporters in the regulation of human skeletal muscle protein metabolism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2013</b> , 16, 638-44	3.8	29

91	Addition of carbohydrate or alanine to an essential amino acid mixture does not enhance human skeletal muscle protein anabolism. <i>Journal of Nutrition</i> , <b>2013</b> , 143, 307-14	4.1	35
90	Protein blend ingestion following resistance exercise promotes human muscle protein synthesis. <i>Journal of Nutrition</i> , <b>2013</b> , 143, 410-6	4.1	106
89	Deficiency in repair of the mitochondrial genome sensitizes proliferating myoblasts to oxidative damage. <i>PLoS ONE</i> , <b>2013</b> , 8, e75201	3.7	29
88	The acute aerobic exercise-induced increase in amino acid transporter expression adapts to exercise training in older adults. <i>FASEB Journal</i> , <b>2013</b> , 27, 350.3	0.9	
87	Excess postexercise leucine ingestion enhances muscle protein synthesis in skeletal muscle of older men. <i>FASEB Journal</i> , <b>2013</b> , 27, 350.2	0.9	
86	Reactive hyperemia is not responsible for stimulating muscle protein synthesis following blood flow restriction exercise. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 1520-8	3.7	69
85	Paraplegia increases skeletal muscle autophagy. <i>Muscle and Nerve</i> , <b>2012</b> , 46, 793-8	3.4	10
84	Bed rest impairs skeletal muscle amino acid transporter expression, mTORC1 signaling, and protein synthesis in response to essential amino acids in older adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E1113-22	6	147
83	PAX7+ satellite cells in young and older adults following resistance exercise. <i>Muscle and Nerve</i> , <b>2012</b> , 46, 51-9	3.4	33
82	A moderate acute increase in physical activity enhances nutritive flow and the muscle protein anabolic response to mixed nutrient intake in older adults. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 95, 1403-12	7	101
81	Rapamycin administration does not impair basal protein metabolism in human skeletal muscle. <i>FASEB Journal</i> , <b>2012</b> , 26, 1075.3	0.9	1
80	Chronic Heart Failure is Associated with Elevated Skeletal Muscle Inflammation and Toll-Like Receptor 4 Signaling. <i>FASEB Journal</i> , <b>2012</b> , 26, 835.12	0.9	
79	Inhibition of Glycolysis and mTORC1 activation in Human Skeletal Muscle with Blood Flow Restriction Exercise. <i>FASEB Journal</i> , <b>2012</b> , 26, 1076.3	0.9	
78	Short-term bed rest increases inflammation as evidenced by elevated TLR4, NFB1 and IL6 expression in skeletal muscle of older adults. <i>FASEB Journal</i> , <b>2012</b> , 26, 715.2	0.9	
77	Basal muscle protein synthesis is unaffected by sex in young and older adults. <i>FASEB Journal</i> , <b>2012</b> , 26, 42.6	0.9	
76	Influence of excess postexercise leucine ingestion on mTORC1 signaling and gene expression in skeletal muscle of older men: a 24 hr time-course. <i>FASEB Journal</i> , <b>2012</b> , 26, 42.8	0.9	
75	Acute aerobic exercise increases AdipoR1 and RAGE proteins and decreases HSP60 protein in skeletal muscle of physically inactive older adults. <i>FASEB Journal</i> , <b>2012</b> , 26, 1142.5	0.9	
74	Effect of protein blend vs whey protein ingestion on muscle protein synthesis following resistance exercise. <i>FASEB Journal</i> , <b>2012</b> , 26, 1013.9	0.9	

73	Aging impairs contraction-induced human skeletal muscle mTORC1 signaling and protein synthesis. <i>Skeletal Muscle</i> , <b>2011</b> , 1, 11	5.1	233
72	Does a reduction in anabolic signaling contribute to muscle wasting in chronic heart failure?. <i>Journal of Applied Physiology</i> , <b>2011</b> , 110, 869-70	3.7	3
71	Essential amino acid sensing, signaling, and transport in the regulation of human muscle protein metabolism. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2011</b> , 14, 83-8	3.8	31
70	Exercise, amino acids, and aging in the control of human muscle protein synthesis. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 2249-58	1.2	89
69	The missing Akt in the mechanical regulation of skeletal muscle mTORC1 signalling and growth. <i>Journal of Physiology</i> , <b>2011</b> , 589, 1507	3.9	4
68	Skeletal muscle amino acid transporter expression is increased in young and older adults following resistance exercise. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 135-42	3.7	83
67	Aging and microRNA expression in human skeletal muscle: a microarray and bioinformatics analysis. <i>Physiological Genomics</i> , <b>2011</b> , 43, 595-603	3.6	170
66	Mammalian target of rapamycin complex 1 activation is required for the stimulation of human skeletal muscle protein synthesis by essential amino acids. <i>Journal of Nutrition</i> , <b>2011</b> , 141, 856-62	4.1	174
65	Skeletal muscle protein balance and metabolism in the elderly. <i>Current Aging Science</i> , <b>2011</b> , 4, 260-8	2.2	53
64	Effects of dietary soy, whey and caseinate blends versus whey or soy alone on skeletal muscle protein synthesis in rats. <i>FASEB Journal</i> , <b>2011</b> , 25, 217.6	0.9	1
63	Isolated pharmacological vasodilation does not stimulate skeletal muscle protein synthesis in healthy older adults.. <i>FASEB Journal</i> , <b>2011</b> , 25, 233.7	0.9	
62	Resistance exercise increases leg muscle protein synthesis and mTOR signalling independent of sex. <i>Acta Physiologica</i> , <b>2010</b> , 199, 71-81	5.6	95
61	Excess leucine intake enhances muscle anabolic signaling but not net protein anabolism in young men and women. <i>Journal of Nutrition</i> , <b>2010</b> , 140, 1970-6	4.1	134
60	Pharmacological vasodilation improves insulin-stimulated muscle protein anabolism but not glucose utilization in older adults. <i>Diabetes</i> , <b>2010</b> , 59, 2764-71	0.9	106
59	Muscle protein breakdown has a minor role in the protein anabolic response to essential amino acid and carbohydrate intake following resistance exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 299, R533-40	3.2	126
58	An increase in essential amino acid availability upregulates amino acid transporter expression in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 298, E1011-8	6.8	153
57	Insulin stimulates human skeletal muscle protein synthesis via an indirect mechanism involving endothelial-dependent vasodilation and mammalian target of rapamycin complex 1 signaling. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 3848-57	5.6	115
56	Blood flow restriction exercise stimulates mTORC1 signaling and muscle protein synthesis in older men. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1199-209	3.7	221

55	The balancing act between the cellular processes of protein synthesis and breakdown: exercise as a model to understand the molecular mechanisms regulating muscle mass. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1365-6	3.7	7
54	Essential amino acid and carbohydrate ingestion before resistance exercise does not enhance postexercise muscle protein synthesis. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1730-9	3.7	86
53	Expression of growth-related genes in young and older human skeletal muscle following an acute stimulation of protein synthesis. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1403-11	3.7	78
52	Essential amino acids increase microRNA-499, -208b, and -23a and downregulate myostatin and myocyte enhancer factor 2C mRNA expression in human skeletal muscle. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 2279-84	4.1	89
51	Nutritional and contractile regulation of human skeletal muscle protein synthesis and mTORC1 signaling. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1374-84	3.7	216
50	Supraphysiological hyperinsulinaemia is necessary to stimulate skeletal muscle protein anabolism in older adults: evidence of a true age-related insulin resistance of muscle protein metabolism. <i>Diabetologia</i> , <b>2009</b> , 52, 1889-98	10.3	110
49	Rapamycin administration in humans blocks the contraction-induced increase in skeletal muscle protein synthesis. <i>Journal of Physiology</i> , <b>2009</b> , 587, 1535-46	3.9	301
48	Phosphatidic acid: a novel mechanical mechanism for how resistance exercise activates mTORC1 signalling. <i>Journal of Physiology</i> , <b>2009</b> , 587, 3415-6	3.9	3
47	Dietary protein recommendations and the prevention of sarcopenia. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2009</b> , 12, 86-90	3.8	517
46	Higher Leucine Content in an Essential Amino Acid Solution Enhances Human Skeletal Muscle mTOR Signaling. <i>FASEB Journal</i> , <b>2009</b> , 23, 227.3	0.9	
45	Expression of the let-7 family of microRNAs is elevated in older human skeletal muscle. <i>FASEB Journal</i> , <b>2009</b> , 23, 630.3	0.9	
44	Amino acids are necessary for the insulin-induced activation of mTOR/S6K1 signaling and protein synthesis in healthy and insulin resistant human skeletal muscle. <i>Clinical Nutrition</i> , <b>2008</b> , 27, 447-56	5.9	55
43	A chronic increase in physical activity inhibits fed-state mTOR/S6K1 signaling and reduces IRS-1 serine phosphorylation in rat skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2008</b> , 33, 93-101	3	28
42	Skeletal muscle protein anabolic response to resistance exercise and essential amino acids is delayed with aging. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 1452-61	3.7	271
41	Aging differentially affects human skeletal muscle microRNA expression at rest and after an anabolic stimulus of resistance exercise and essential amino acids. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 295, E1333-40	6	172
40	Leucine-enriched essential amino acid and carbohydrate ingestion following resistance exercise enhances mTOR signaling and protein synthesis in human muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 294, E392-400	6	325
39	Sequential muscle biopsies during a 6-h tracer infusion do not affect human mixed muscle protein synthesis and muscle phenylalanine kinetics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 295, E959-63	6	18
38	Resistance exercise increases human skeletal muscle AS160/TBC1D4 phosphorylation in association with enhanced leg glucose uptake during postexercise recovery. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 1967-74	3.7	30

37	Human muscle gene expression following resistance exercise and blood flow restriction. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, 691-8	1.2	122
36	Leucine-enriched nutrients and the regulation of mammalian target of rapamycin signalling and human skeletal muscle protein synthesis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2008</b> , 11, 222-6	3.8	179
35	Chronic paraplegia-induced muscle atrophy downregulates the mTOR/S6K1 signaling pathway. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 27-33	3.7	40
34	Gene and protein expression associated with protein synthesis and breakdown in paraplegic skeletal muscle. <i>Muscle and Nerve</i> , <b>2008</b> , 37, 505-13	3.4	27
33	Basal muscle intracellular amino acid kinetics in women and men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E77-83	6	61
32	Nutrient signalling in the regulation of human muscle protein synthesis. <i>Journal of Physiology</i> , <b>2007</b> , 582, 813-23	3.9	222
31	Blood flow restriction during low-intensity resistance exercise increases S6K1 phosphorylation and muscle protein synthesis. <i>Journal of Applied Physiology</i> , <b>2007</b> , 103, 903-10	3.7	305
30	Aerobic exercise overcomes the age-related insulin resistance of muscle protein metabolism by improving endothelial function and Akt/mammalian target of rapamycin signaling. <i>Diabetes</i> , <b>2007</b> , 56, 1615-22	0.9	143
29	Racial/ethnic disparities in basal muscle protein metabolism. <i>FASEB Journal</i> , <b>2007</b> , 21, A837	0.9	
28	Prolonged Tracer Infusion and Sequential Muscle Biopsies Do Not Affect Human Muscle Protein and Amino Acid Kinetics. <i>FASEB Journal</i> , <b>2007</b> , 21, A336	0.9	
27	Nutrient signaling in insulin resistant human skeletal muscle during reduced amino acid availability. <i>FASEB Journal</i> , <b>2007</b> , 21, A714	0.9	
26	Nutrient signaling in the regulation of human muscle protein synthesis. <i>FASEB Journal</i> , <b>2007</b> , 21, A713	0.9	
25	Fat oxidation and glucose uptake are increased following an acute bout of resistance exercise: Role of AMPK, ACC, Akt/PKB, and AS160. <i>FASEB Journal</i> , <b>2007</b> , 21, A580	0.9	1
24	Dysregulation of muscle fatty acid metabolism in type 2 diabetes is independent of malonyl-CoA. <i>Diabetologia</i> , <b>2006</b> , 49, 2144-52	10.3	18
23	Effect of insulin on human skeletal muscle protein synthesis is modulated by insulin-induced changes in muscle blood flow and amino acid availability. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2006</b> , 291, E745-54	6	161
22	Insulin resistance of muscle protein metabolism in aging. <i>FASEB Journal</i> , <b>2006</b> , 20, 768-9	0.9	263
21	Skeletal muscle protein anabolic response to increased energy and insulin is preserved in poorly controlled type 2 diabetes. <i>Journal of Nutrition</i> , <b>2006</b> , 136, 1249-55	4.1	35
20	Resistance exercise increases AMPK activity and reduces 4E-BP1 phosphorylation and protein synthesis in human skeletal muscle. <i>Journal of Physiology</i> , <b>2006</b> , 576, 613-24	3.9	388



19	Muscle AMPK activity, acidosis, and protein synthesis in men and women following resistance exercise. <i>FASEB Journal</i> , <b>2006</b> , 20, A1047	0.9	
18	Effect of type 2 diabetes (T2DM) on muscle protein metabolism in older subjects. <i>FASEB Journal</i> , <b>2006</b> , 20, A556	0.9	
17	Paraplegia in Rats is Associated with an Inhibition of p70S6 Kinase Activity. <i>FASEB Journal</i> , <b>2006</b> , 20, A1469	1	
16	Short-term insulin and nutritional energy provision do not stimulate muscle protein synthesis if blood amino acid availability decreases. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 289, E999-1006	6	46
15	The relationships between testosterone, body composition, and insulin resistance: a lesson from a case of extreme hyperandrogenism. <i>Diabetes Care</i> , <b>2005</b> , 28, 429-32	14.6	9
14	Leg glucose and protein metabolism during an acute bout of resistance exercise in humans. <i>Journal of Applied Physiology</i> , <b>2004</b> , 97, 1379-86	3.7	30
13	Contractile and nutritional regulation of human muscle growth. <i>Exercise and Sport Sciences Reviews</i> , <b>2003</b> , 31, 127-31	6.7	81
12	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> , <b>2002</b> , 110, 1687-1693	15.9	148
11	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> , <b>2002</b> , 110, 1687-93	15.9	58
10	Alteration of hepatic fatty acid metabolism after burn injury in pigs. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2001</b> , 25, 310-6	4.2	22
9	Timing of amino acid-carbohydrate ingestion alters anabolic response of muscle to resistance exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2001</b> , 281, E197-206	6	345
8	An oral essential amino acid-carbohydrate supplement enhances muscle protein anabolism after resistance exercise. <i>Journal of Applied Physiology</i> , <b>2000</b> , 88, 386-92	3.7	387
7	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> , <b>2000</b> , 85, 4481-90	5.6	343
6	Androstenedione Does Not Stimulate Muscle Protein Anabolism in Young Healthy Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 55-59	5.6	45
5	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> , <b>2000</b> , 85, 4481-4490	5.6	300
4	Regulation of fatty acid oxidation in skeletal muscle. <i>Annual Review of Nutrition</i> , <b>1999</b> , 19, 463-84	9.9	96
3	Human Muscle Protein Metabolism in Relation to Exercise and Aging: Potential Therapeutic Applications97-108		
2	Muscle Biology and mTORC1 Signaling in Aging20-40		1

1 Skeletal Muscle Transcriptome Alterations Related to Physical Function Decline in Older Mice

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