Daniel R Moore

List of Publications by Year
in descending order

103 papers	8,696 citations	57719 44 h-index	42364 92 g-index
105 all docs	105 docs citations	105 times ranked	5225 citing authors

#	Article	IF	Citations
1	Ingested protein dose response of muscle and albumin protein synthesis after resistance exercise in young men. American Journal of Clinical Nutrition, 2009, 89, 161-168.	2.2	755
2	Ingestion of whey hydrolysate, casein, or soy protein isolate: effects on mixed muscle protein synthesis at rest and following resistance exercise in young men. Journal of Applied Physiology, 2009, 107, 987-992.	1.2	720
3	Protein Ingestion to Stimulate Myofibrillar Protein Synthesis Requires Greater Relative Protein Intakes in Healthy Older Versus Younger Men. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 57-62.	1.7	558
4	Low-Load High Volume Resistance Exercise Stimulates Muscle Protein Synthesis More Than High-Load Low Volume Resistance Exercise in Young Men. PLoS ONE, 2010, 5, e12033.	1.1	396
5	Timing and distribution of protein ingestion during prolonged recovery from resistance exercise alters myofibrillar protein synthesis. Journal of Physiology, 2013, 591, 2319-2331.	1.3	341
6	Two Weeks of Reduced Activity Decreases Leg Lean Mass and Induces â€œAnabolic Resistanceâ€•of Myofibrillar Protein Synthesis in Healthy Elderly. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2604-2612.	1.8	306
7	Exercise training and protein metabolism: influences of contraction, protein intake, and sex-based differences. Journal of Applied Physiology, 2009, 106, 1692-1701.	1.2	278
8	Differential stimulation of myofibrillar and sarcoplasmic protein synthesis with protein ingestion at rest and after resistance exercise. Journal of Physiology, 2009, 587, 897-904.	1.3	261
9	Enhanced Amino Acid Sensitivity of Myofibrillar Protein Synthesis Persists for up to 24 h after Resistance Exercise in Young Men1â€“3. Journal of Nutrition, 2011, 141, 568-573.	1.3	255
10	Leucine supplementation of a low-protein mixed macronutrient beverage enhances myofibrillar protein synthesis in young men: a double-blind, randomized trial. American Journal of Clinical Nutrition, 2014, 99, 276-286.	2.2	234
11	Resistance exerciseâ€induced increases in putative anabolic hormones do not enhance muscle protein synthesis or intracellular signalling in young men. Journal of Physiology, 2009, 587, 5239-5247.	1.3	229
12	Greater stimulation of myofibrillar protein synthesis with ingestion of whey protein isolate <i>v.</i> micellar casein at rest and after resistance exercise in elderly men. British Journal of Nutrition, 2012, 108, 958-962.	1.2	229
13	Elevations in ostensibly anabolic hormones with resistance exercise enhance neither training-induced muscle hypertrophy nor strength of the elbow flexors. Journal of Applied Physiology, 2010, 108, 60-67.	1.2	227
14	Myofibrillar and collagen protein synthesis in human skeletal muscle in young men after maximal shortening and lengthening contractions. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E1153-E1159.	1.8	215
15	Rapid aminoacidemia enhances myofibrillar protein synthesis and anabolic intramuscular signaling responses after resistance exercise. American Journal of Clinical Nutrition, 2011, 94, 795-803.	2.2	214
16	The Role of Milk- and Soy-Based Protein in Support of Muscle Protein Synthesis and Muscle Protein Accretion in Young and Elderly Persons. Journal of the American College of Nutrition, 2009, 28, 343-354.	1.1	202
17	Reduced resting skeletal muscle protein synthesis is rescued by resistance exercise and protein ingestion following short-term energy deficit. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E989-E997.	1.8	150
18	Neuromuscular adaptations in human muscle following low intensity resistance training with vascular occlusion. European Journal of Applied Physiology, 2004, 92, 399-406.	1.2	141

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19	Resistance training alters the response of fed state mixed muscle protein synthesis in young men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R172-R178.	0.9	134
20	Reduced physical activity in young and older adults: metabolic and musculoskeletal implications. Therapeutic Advances in Endocrinology and Metabolism, 2019, 10, 204201881988882.	1.4	132
21	Carbohydrate Does Not Augment Exercise-Induced Protein Accretion versus Protein Alone. Medicine and Science in Sports and Exercise, 2011, 43, 1154-1161.	0.2	127
22	Consumption of whole eggs promotes greater stimulation of postexercise muscle protein synthesis than consumption of isonitrogenous amounts of egg whites in young men. American Journal of Clinical Nutrition, 2017, 106, 1401-1412.	2.2	103
23	Resistance exercise enhances mTOR and MAPK signalling in human muscle over that seen at rest after bolus protein ingestion. Acta Physiologica, 2011, 201, 365-372.	1.8	101
24	Minimal whey protein with carbohydrate stimulates muscle protein synthesis following resistance exercise in trained young men. Applied Physiology, Nutrition and Metabolism, 2007, 32, 1132-1138.	0.9	95
25	Beyond muscle hypertrophy: why dietary protein is important for endurance athletes. Applied Physiology, Nutrition and Metabolism, 2014, 39, 987-997.	0.9	93
26	Protein Requirements Are Elevated in Endurance Athletes after Exercise as Determined by the Indicator Amino Acid Oxidation Method. PLoS ONE, 2016, 11, e0157406.	1.1	92
27	Resistance exercise initiates mechanistic target of rapamycin (mTOR) translocation and protein complex co-localisation in human skeletal muscle. Scientific Reports, 2017, 7, 5028.	1.6	86
28	Low-load resistance training during step-reduction attenuates declines in muscle mass and strength and enhances anabolic sensitivity in older men. Physiological Reports, 2015, 3, e12493.	0.7	77
29	Nutrient provision increases signalling and protein synthesis in human skeletal muscle after repeated sprints. European Journal of Applied Physiology, 2011, 111, 1473-1483.	1.2	76
30	A Critical Examination of Dietary Protein Requirements, Benefits, and Excesses in Athletes. International Journal of Sport Nutrition and Exercise Metabolism, 2007, 17, S58-S76.	1.0	75
31	Resistance training reduces whole-body protein turnover and improves net protein retention in untrained young males. Applied Physiology, Nutrition and Metabolism, 2006, 31, 557-564.	0.9	73
32	Resistance exercise decreases eIF2BÎµ phosphorylation and potentiates the feeding-induced stimulation of p70^{S6K1} and rpS6 in young men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R604-R610.	0.9	72
33	Whey Protein Supplementation Enhances Whole Body Protein Metabolism and Performance Recovery after Resistance Exercise: A Double-Blind Crossover Study. Nutrients, 2017, 9, 735.	1.7	65
34	Daytime pattern of post-exercise protein intake affects whole-body protein turnover in resistance-trained males. Nutrition and Metabolism, 2012, 9, 91.	1.3	64
35	Keeping Older Muscle â€œYoungâ€•through Dietary Protein and Physical Activity. Advances in Nutrition, 2014, 5, 599S-607S.	2.9	62
36	Maximizing Post-exercise Anabolism: The Case for Relative Protein Intakes. Frontiers in Nutrition, 2019, 6, 147.	1.6	60

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37	Dietary Protein Quantity, Quality, and Exercise Are Key to Healthy Living: A Muscle-Centric Perspective Across the Lifespan. Frontiers in Nutrition, 2019, 6, 83.	1.6	58
38	Similar increases in muscle size and strength in young men after training with maximal shortening or lengthening contractions when matched for total work. European Journal of Applied Physiology, 2012, 112, 1587-1592.	1.2	55
39	Preexercise Aminoacidemia and Muscle Protein Synthesis after Resistance Exercise. Medicine and Science in Sports and Exercise, 2012, 44, 1968-1977.	0.2	53
40	Proteinâ€"Leucine Fed Dose Effects on Muscle Protein Synthesis after Endurance Exercise. Medicine and Science in Sports and Exercise, 2015, 47, 547-555.	0.2	51
41	Obesity Alters the Muscle Protein Synthetic Response to Nutrition and Exercise. Frontiers in Nutrition, 2019, 6, 87.	1.6	51
42	Resistance Training Reduces Fasted- and Fed-State Leucine Turnover and Increases Dietary Nitrogen Retention in Previously Untrained Young Men1. Journal of Nutrition, 2007, 137, 985-991.	1.3	49
43	Nutrition for Special Populations: Young, Female, and Masters Athletes. International Journal of Sport Nutrition and Exercise Metabolism, 2019, 29, 220-227.	1.0	47
44	Molecular regulation of human skeletal muscle protein synthesis in response to exercise and nutrients: a compass for overcoming age-related anabolic resistance. American Journal of Physiology - Cell Physiology, 2019, 317, C1061-C1078.	2.1	47
45	Nutritional strategies to support concurrent training. European Journal of Sport Science, 2015, 15, 41-52.	1.4	45
46	Nutrition to Support Recovery from Endurance Exercise. Current Sports Medicine Reports, 2015, 14, 294-300.	0.5	42
47	Dysregulated Handling of Dietary Protein and Muscle Protein Synthesis After Mixed-Meal Ingestion in Maintenance Hemodialysis Patients. Kidney International Reports, 2018, 3, 1403-1415.	0.4	42
48	Translocation and protein complex co-localization of mTOR is associated with postprandial myofibrillar protein synthesis at rest and after endurance exercise. Physiological Reports, 2018, 6, e13628.	0.7	40
49	Acute Î²-adrenergic stimulation does not alter mitochondrial protein synthesis or markers of mitochondrial biogenesis in adult men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R25-R33.	0.9	39
50	Characterisation of L-Type Amino Acid Transporter 1 (LAT1) Expression in Human Skeletal Muscle by Immunofluorescent Microscopy. Nutrients, 2018, 10, 23.	1.7	36
51	Lowâ€load resistance exercise during inactivity is associated with greater fibre area and satellite cell expression in older skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 747-754.	2.9	35
52	Endurance Exercise Attenuates Postprandial Whole-Body Leucine Balance in Trained Men. Medicine and Science in Sports and Exercise, 2017, 49, 2585-2592.	0.2	34
53	Increased Protein Requirements in Female Athletes after Variable-Intensity Exercise. Medicine and Science in Sports and Exercise, 2017, 49, 2297-2304.	0.2	34
54	Modulation of autophagy signaling with resistance exercise and protein ingestion following short-term energy deficit. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R603-R612.	0.9	28

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55	Whole egg, but not egg white, ingestion induces mTOR colocalization with the lysosome after resistance exercise. American Journal of Physiology - Cell Physiology, 2018, 315, C537-C543.	2.1	28
56	Branched-Chain Amino Acids Are the Primary Limiting Amino Acids in the Diets of Endurance-Trained Men after a Bout of Prolonged Exercise. Journal of Nutrition, 2018, 148, 925-931.	1.3	26
57	Leucine-Enriched Essential Amino Acids Improve Recovery from Post-Exercise Muscle Damage Independent of Increases in Integrated Myofibrillar Protein Synthesis in Young Men. Nutrients, 2020, 12, 1061.	1.7	26
58	Satellite cell and myonuclear accretion is related to training-induced skeletal muscle fiber hypertrophy in young males and females. Journal of Applied Physiology, 2021, 131, 871-880.	1.2	26
59	Development of Intrinsically Labeled Eggs and Poultry Meat for Use in Human Metabolic Research. Journal of Nutrition, 2016, 146, 1428-1433.	1.3	25
60	Kinetics of circulating progenitor cell mobilization during submaximal exercise. Journal of Applied Physiology, 2017, 122, 675-682.	1.2	25
61	Big claims for big weights but with little evidence. European Journal of Applied Physiology, 2013, 113, 267-268.	1.2	24
62	The Biological Value of Protein. Nestle Nutrition Institute Workshop Series, 2015, 82, 39-51.	1.5	24
63	Protein Intake to Maximize Whole-Body Anabolism during Postexercise Recovery in Resistance-Trained Men with High Habitual Intakes is Severalfold Greater than the Current Recommended Dietary Allowance. Journal of Nutrition, 2020, 150, 505-511.	1.3	24
64	Low-Carbohydrate Training Increases Protein Requirements of Endurance Athletes. Medicine and Science in Sports and Exercise, 2019, 51, 2294-2301.	0.2	23
65	Whole-body net protein balance plateaus in response to increasing protein intakes during post-exercise recovery in adults and adolescents. Nutrition and Metabolism, 2018, 15, 62.	1.3	21
66	The Effect of Dietary Protein on Protein Metabolism and Performance in Endurance-trained Males. Medicine and Science in Sports and Exercise, 2019, 51, 352-360.	0.2	21
67	Protein to Maximize Whole-Body Anabolism in Resistance-trained Females after Exercise. Medicine and Science in Sports and Exercise, 2019, 51, 798-804.	0.2	21
68	Postexercise protein ingestion increases whole body net protein balance in healthy children. Journal of Applied Physiology, 2014, 117, 1493-1501.	1.2	20
69	Fuelling the female athlete: Carbohydrate and protein recommendations. European Journal of Sport Science, 2022, 22, 684-696.	1.4	20
70	IGF-1 colocalizes with muscle satellite cells following acute exercise in humans. Applied Physiology, Nutrition and Metabolism, 2014, 39, 514-518.	0.9	18
71	Leucine-enriched amino acids maintain peripheral mTOR-Rheb localization independent of myofibrillar protein synthesis and mTORC1 signaling postexercise. Journal of Applied Physiology, 2020, 129, 133-143.	1.2	18
72	An Acute Reduction in Habitual Protein Intake Attenuates Post Exercise Anabolism and May Bias Oxidation-Derived Protein Requirements in Resistance Trained Men. Frontiers in Nutrition, 2020, 7, 55.	1.6	17

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73	Variable-Intensity Simulated Team-Sport Exercise Increases Daily Protein Requirements in Active Males. Frontiers in Nutrition, 2017, 4, 64.	1.6	15
74	Protein Requirements for Master Athletes: Just Older Versions of Their Younger Selves. Sports Medicine, 2021, 51, 13-30.	3.1	14
75	LAT1 and SNAT2 Protein Expression and Membrane Localization of LAT1 Are Not Acutely Altered by Dietary Amino Acids or Resistance Exercise Nor Positively Associated with Leucine or Phenylalanine Incorporation in Human Skeletal Muscle. Nutrients, 2021, 13, 3906.	1.7	14
76	Trained Integrated Postexercise Myofibrillar Protein Synthesis Rates Correlate with Hypertrophy in Young Males and Females. Medicine and Science in Sports and Exercise, 2022, 54, 953-964.	0.2	14
77	Timing and pattern of postexercise protein ingestion affects whole-body protein balance in healthy children: a randomized trial. Applied Physiology, Nutrition and Metabolism, 2017, 42, 1142-1148.	0.9	11
78	Nutritionally non-essential amino acids are dispensable for whole-body protein synthesis after exercise in endurance athletes with an adequate essential amino acid intake. Amino Acids, 2018, 50, 1679-1684.	1.2	11
79	A Muscle-Centric Perspective on Intermittent Fasting: A Suboptimal Dietary Strategy for Supporting Muscle Protein Remodeling and Muscle Mass?. Frontiers in Nutrition, 2021, 8, 640621.	1.6	11
80	Postexercise Dietary Protein Ingestion Increases Whole-Body Leucine Balance in a Dose-Dependent Manner in Healthy Children. Journal of Nutrition, 2017, 147, 807-815.	1.3	10
81	Interrupting prolonged sitting with repeated chair stands or short walks reduces postprandial insulinemia in healthy adults. Journal of Applied Physiology, 2021, 130, 104-113.	1.2	10
82	A muscle-centric view of time-restricted feeding for older adults. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, 24, 521-527.	1.3	10
83	Exercise intensity matters for both young and old muscles. Journal of Physiology, 2009, 587, 511-512.	1.3	9
84	Protein Intake at Breakfast Promotes a Positive Whole-Body Protein Balance in a Dose-Response Manner in Healthy Children: A Randomized Trial. Journal of Nutrition, 2018, 148, 729-737.	1.3	9
85	More than just a garbage can: emerging roles of the lysosome as an anabolic organelle in skeletal muscle. American Journal of Physiology - Cell Physiology, 2020, 319, C561-C568.	2.1	9
86	Protein ingestion after endurance exercise: the â€˜evolvingâ€™ needs of the mitochondria?. Journal of Physiology, 2012, 590, 1785-1786.	1.3	7
87	Blunted satellite cell response is associated with dysregulated IGF-1 expression after exercise with age. European Journal of Applied Physiology, 2018, 118, 2225-2231.	1.2	7
88	Protein Metabolism in Active Youth: Not Just Little Adults. Exercise and Sport Sciences Reviews, 2019, 47, 29-36.	1.6	6
89	Effect of maternal prenatal and postpartum vitamin D supplementation on offspring bone mass and muscle strength in early childhood: follow-up of a randomized controlled trial. American Journal of Clinical Nutrition, 2022, 115, 770-780.	2.2	6
90	RPS6 phosphorylation occurs to a greater extent in the periphery of human skeletal muscle fibers, near focal adhesions, after anabolic stimuli. American Journal of Physiology - Cell Physiology, 2022, 322, C94-C110.	2.1	6

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91	Aâ€“Z of nutritional supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performance â€“ Part 28. British Journal of Sports Medicine, 2012, 46, 75-76.	3.1	5
92	One size doesn't fit all: postexercise protein requirements for the endurance athlete. American Journal of Clinical Nutrition, 2020, 112, 249-250.	2.2	5
93	Incorporation of Dietary Amino Acids Into Myofibrillar and Sarcoplasmic Proteins in Free-Living Adults Is Influenced by Sex, Resistance Exercise, and Training Status. Journal of Nutrition, 2021, 151, 3350-3360.	1.3	5
94	The Effect of Postexercise Milk Protein Intake on Rehydration of Children. Pediatric Exercise Science, 2016, 28, 286-295.	0.5	4
95	Editorial: Nutritional Strategies to Promote Muscle Mass and Function Across the Health Span. Frontiers in Nutrition, 2020, 7, 569270.	1.6	3
96	Early resistance trainingâ€mediated stimulation of daily muscle protein synthetic responses to higher habitual protein intake in middleâ€aged adults. Journal of Physiology, 2021, 599, 4287-4307.	1.3	3
97	Protein Timing Does Not Affect Next-Day Recovery of Strength or Power but May Enhance Aerobic Adaptations to Short-Term Variable Intensity Exercise Training in Recreationally Active Males: A Pilot Study. Frontiers in Sports and Active Living, 2020, 2, 568740.	0.9	1
98	mTORC1 Activity Occurs Predominantly in the Periphery of Human Skeletal Muscle Fibers Following Anabolic Stimuli. FASEB Journal, 2021, 35, .	0.2	0
99	Higher Protein Intake Does Not Augment Muscle Protein Synthetic Responses During the Early Stages of Resistance Training in Middle-Aged Adults. Current Developments in Nutrition, 2021, 5, 520.	0.1	0
100	Leucine Is More Readily Oxidized When Ingested as an Isolated Nutrient versus Incorporated in Its Whole-Food Matrix. Current Developments in Nutrition, 2021, 5, 516.	0.1	0
101	Effect of Maternal Prenatal and Postpartum Vitamin D Supplementation on Offspring Bone Mass in Early Childhood: Follow-Up of a Randomized Controlled Trial. Current Developments in Nutrition, 2021, 5, 797.	0.1	0
102	Activation of signaling pathways regulating translation initiation in human skeletal muscle with feeding and resistance exercise. FASEB Journal, 2007, 21, A1207.	0.2	0
103	Challenges for rapamycin repurposing as a potential therapeutic candidate for COVID-19: implications for skeletal muscle metabolic health in older persons. American Journal of Physiology - Endocrinology and Metabolism, 2022, , .	1.8	0