Cameron J Mitchell

List of Publications by Year
in descending order

72 papers	3,646 citations	29 h-index (172207)	59 g-index (133063)
72 all docs	72 docs citations	72 times ranked	3935 citing authors

#	Article	IF	Citations
1	Resistance exercise load does not determine training-mediated hypertrophic gains in young men. Journal of Applied Physiology, 2012, 113, 71-77.	1.2	490
2	Supplementation of a suboptimal protein dose with leucine or essential amino acids: effects on myofibrillar protein synthesis at rest and following resistance exercise in men. Journal of Physiology, 2012, 590, 2751-2765.	1.3	241
3	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
4	Higher compared with lower dietary protein during an energy deficit combined with intense exercise promotes greater lean mass gain and fat mass loss: a randomized trial. American Journal of Clinical Nutrition, 2016, 103, 738-746.	2.2	168
5	Acute Post-Exercise Myofibrillar Protein Synthesis Is Not Correlated with Resistance Training-Induced Muscle Hypertrophy in Young Men. PLoS ONE, 2014, 9, e89431.	1.1	167
6	Childâ€"Adult Differences in Muscle Activation â€" A Review. Pediatric Exercise Science, 2012, 24, 2-21.	0.5	155
7	Muscular and Systemic Correlates of Resistance Training-Induced Muscle Hypertrophy. PLoS ONE, 2013, 8, e78636.	1.1	134
8	The Acute Satellite Cell Response and Skeletal Muscle Hypertrophy following Resistance Training. PLoS ONE, 2014, 9, e109739.	1.1	115
9	The effects of dietary protein intake on appendicular lean mass and muscle function in elderly men: a 10-wk randomized controlled trial. American Journal of Clinical Nutrition, 2017, 106, 1375-1383.	2.2	106
10	Sex-based comparisons of myofibrillar protein synthesis after resistance exercise in the fed state. Journal of Applied Physiology, 2012, 112, 1805-1813.	1.2	99
11	MOTS-c is an exercise-induced mitochondrial-encoded regulator of age-dependent physical decline and muscle homeostasis. Nature Communications, 2021, 12, 470.	5.8	97
12	Hypoenergetic diet-induced reductions in myofibrillar protein synthesis are restored with resistance training and balanced daily protein ingestion in older men. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E734-E743.	1.8	93
13	Enhancement of jump performance after a 5-RM squat is associated with postactivation potentiation. European Journal of Applied Physiology, 2011, 111, 1957-1963.	1.2	88
14	Circulatory exosomal miRNA following intense exercise is unrelated to muscle and plasma miRNA abundances. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E723-E733.	1.8	83
15	Bigger weights may not beget bigger muscles: evidence from acute muscle protein synthetic responses after resistance exercise. Applied Physiology, Nutrition and Metabolism, 2012, 37, 551-554.	0.9	69
16	Consumption of Milk Protein or Whey Protein Results in a Similar Increase in Muscle Protein Synthesis in Middle Aged Men. Nutrients, 2015, 7, 8685-8699.	1.7	66
17	Acute resistance exercise modulates microRNA expression profiles: Combined tissue and circulatory targeted analyses. PLoS ONE, 2017, 12, e0181594.	1.1	65
18	Variation of Human Milk Glucocorticoids over 24Âhour Period. Journal of Mammary Gland Biology and Neoplasia, 2017, 22, 85-92.	1.0	54

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19	Citrulline does not enhance blood flow, microvascular circulation, or myofibrillar protein synthesis in elderly men at rest or following exercise. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E71-E83.	1.8	51
20	What is the relationship between the acute muscle protein synthesis response and changes in muscle mass?. Journal of Applied Physiology, 2015, 118, 495-497.	1.2	48
21	Older adults have delayed amino acid absorption after a high protein mixed breakfast meal. Journal of Nutrition, Health and Aging, 2015, 19, 839-845.	1.5	47
22	Altered muscle satellite cell activation following 16 wk of resistance training in young men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R85-R92.	0.9	45
23	MicroRNAs in Muscle: Characterizing the Powerlifter Phenotype. Frontiers in Physiology, 2017, 8, 383.	1.3	45
24	Effect of resistance training and protein intake pattern on myofibrillar protein synthesis and proteome kinetics in older men in energy restriction. Journal of Physiology, 2018, 596, 2091-2120.	1.3	42
25	Peripheral blood mononuclear cells do not reflect skeletal muscle mitochondrial function or adaptation to high-intensity interval training in healthy young men. Journal of Applied Physiology, 2019, 126, 454-461.	1.2	41
26	Impact of dairy protein during limb immobilization and recovery on muscle size and protein synthesis; a randomized controlled trial. Journal of Applied Physiology, 2018, 124, 717-728.	1.2	35
27	Dose-dependent increases in p70S6K phosphorylation and intramuscular branched-chain amino acids in older men following resistance exercise and protein intake. Physiological Reports, 2014, 2, e12112.	0.7	34
28	High-intensity interval exercise increases humanin, a mitochondrial encoded peptide, in the plasma and muscle of men. Journal of Applied Physiology, 2020, 128, 1346-1354.	1.2	34
29	Increased expression of the mitochondrial derived peptide, MOTS-c, in skeletal muscle of healthy aging men is associated with myofiber composition. Aging, 2020, 12, 5244-5258.	1.4	33
30	Soy protein ingestion results in less prolonged p70S6 kinase phosphorylation compared to whey protein after resistance exercise in older men. Journal of the International Society of Sports Nutrition, 2015, 12, 6.	1.7	32
31	Ribosome biogenesis and degradation regulate translational capacity during muscle disuse and reloading. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 130-143.	2.9	32
32	Do neuromuscular adaptations occur in endurance-trained boys and men?. Applied Physiology, Nutrition and Metabolism, 2010, 35, 471-479.	0.9	31
33	Acute resistance exercise induces Sestrin2 phosphorylation and p62 dephosphorylation in human skeletal muscle. Physiological Reports, 2017, 5, e13526.	0.7	30
34	Sestrins are differentially expressed with age in the skeletal muscle of men: A cross-sectional analysis. Experimental Gerontology, 2018, 110, 23-34.	1.2	30
35	Molecular Transducers of Human Skeletal Muscle Remodeling under Different Loading States. Cell Reports, 2020, 32, 107980.	2.9	30
36	MitoQ and CoQ10 supplementation mildly suppresses skeletal muscle mitochondrial hydrogen peroxide levels without impacting mitochondrial function in middle-aged men. European Journal of Applied Physiology, 2020, 120, 1657-1669.	1.2	30

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37	Arachidonic acid supplementation modulates blood and skeletal muscle lipid profile with no effect on basal inflammation in resistance exercise trained men. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 128, 74-86.	1.0	29
38	Rate of Muscle Activation in Power-and Endurance-Trained Boys. International Journal of Sports Physiology and Performance, 2011, 6, 94-105.	1.1	28
39	Protein Intake at Twice the RDA in Older Men Increases Circulatory Concentrations of the Microbiome Metabolite Trimethylamine-N-Oxide (TMAO). Nutrients, 2019, 11, 2207.	1.7	28
40	Identification of human skeletal muscle miRNA related to strength by high-throughput sequencing. Physiological Genomics, 2018, 50, 416-424.	1.0	27
41	Childâ€“adult differences in the kinetics of torque development. Journal of Sports Sciences, 2013, 31, 945-953.	1.0	24
42	Big claims for big weights but with little evidence. European Journal of Applied Physiology, 2013, 113, 267-268.	1.2	24
43	The Degree of Aminoacidemia after Dairy Protein Ingestion Does Not Modulate the Postexercise Anabolic Response in Young Men: A Randomized Controlled Trial. Journal of Nutrition, 2019, 149, 1511-1522.	1.3	21
44	Daily chocolate milk consumption does not enhance the effect of resistance training in young and old men: a randomized controlled trial. Applied Physiology, Nutrition and Metabolism, 2015, 40, 199-202.	0.9	19
45	IGF-1 colocalizes with muscle satellite cells following acute exercise in humans. Applied Physiology, Nutrition and Metabolism, 2014, 39, 514-518.	0.9	18
46	Explosive sport training and torque kinetics in children. Applied Physiology, Nutrition and Metabolism, 2013, 38, 740-745.	0.9	16
47	Divergent effects of cold water immersion versus active recovery on skeletal muscle fiber type and angiogenesis in young men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R824-R833.	0.9	16
48	Muscle p70S6K phosphorylation in response to soy and dairy rich meals in middle aged men with metabolic syndrome: a randomised crossover trial. Nutrition and Metabolism, 2014, 11, 46.	1.3	15
49	Minimal dose of milk protein concentrate to enhance the anabolic signalling response to a single bout of resistance exercise; a randomised controlled trial. Journal of the International Society of Sports Nutrition, 2017, 14, 17.	1.7	15
50	Dairy Protein Supplementation Modulates the Human Skeletal Muscle microRNA Response to Lower Limb Immobilization. Molecular Nutrition and Food Research, 2018, 62, e1701028.	1.5	15
51	Arachidonic acid supplementation transiently augments the acute inflammatory response to resistance exercise in trained men. Journal of Applied Physiology, 2018, 125, 271-286.	1.2	14
52	Understanding the sensitivity of muscle protein synthesis to dairy protein in middle-aged men. International Dairy Journal, 2016, 63, 35-41.	1.5	13
53	Selfâ€“Myofascial Release: No Improvement of Functional Outcomes in â€œTightâ€• Hamstrings. International Journal of Sports Physiology and Performance, 2016, 11, 658-663.	1.1	12
54	Effect of dietary arachidonic acid supplementation on acute muscle adaptive responses to resistance exercise in trained men: a randomized controlled trial. Journal of Applied Physiology, 2018, 124, 1080-1091.	1.2	11

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55	Whey Protein Supplementation Post Resistance Exercise in Elderly Men Induces Changes in Muscle miRNA's Compared to Resistance Exercise Alone. Frontiers in Nutrition, 2019, 6, 91.	1.6	11
56	Resistance exercise order does not determine postexercise delivery of testosterone, growth hormone, and IGF-1 to skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2013, 38, 220-226.	0.9	9
57	The putative leucine sensor Sestrin2 is hyperphosphorylated by acute resistance exercise but not protein ingestion in human skeletal muscle. European Journal of Applied Physiology, 2018, 118, 1241-1253.	1.2	9
58	Comprehensive Profiling of the Circulatory miRNAome Response to a High Protein Diet in Elderly Men: A Potential Role in Inflammatory Response Modulation. Molecular Nutrition and Food Research, 2019, 63, 1800811.	1.5	9
59	Last Word on Viewpoint: What is the relationship between the acute muscle protein synthetic response and changes in muscle mass?. Journal of Applied Physiology, 2015, 118, 503-503.	1.2	8
60	Impact of Preterm Birth on Glucocorticoid Variability in Human Milk. Journal of Human Lactation, 2018, 34, 130-136.	0.8	8
61	Exercise recovery increases skeletal muscle H2O2 emission and mitochondrial respiratory capacity following two-weeks of limb immobilization. Free Radical Biology and Medicine, 2018, 124, 241-248.	1.3	8
62	Short communication: Muscle protein synthetic response to microparticulated whey protein in middle-aged men. Journal of Dairy Science, 2017, 100, 4230-4234.	1.4	7
63	Impact of a High Protein Intake on the Plasma Metabolome in Elderly Males: 10 Week Randomized Dietary Intervention. Frontiers in Nutrition, 2019, 6, 180.	1.6	7
64	Circulatory microRNAs are not effective biomarkers of muscle size and function in middle-aged men. American Journal of Physiology - Cell Physiology, 2019, 316, C293-C298.	2.1	7
65	Regulation of Amino Acid Transporters and Sensors in Response to a High protein Diet: A Randomized Controlled Trial in Elderly Men. Journal of Nutrition, Health and Aging, 2019, 23, 354-363.	1.5	5
66	Daily protein supplementation attenuates immobilization-induced blunting of postabsorptive muscle mTORC1 activation in middle-aged men. American Journal of Physiology - Cell Physiology, 2021, 320, C591-C601.	2.1	5
67	Growing collagen, not muscle, with weightlifting and â€˜growthâ€™ hormone. Journal of Physiology, 2010, 588, 395-396.	1.3	4
68	The Effect of Elevated Protein Intake on DNA Damage in Older People: Comparative Secondary Analysis of Two Randomized Controlled Trials. Nutrients, 2021, 13, 3479.	1.7	4
69	Analysis of Human Faecal Host Proteins: Responsiveness to 10-Week Dietary Intervention Modifying Dietary Protein Intake in Elderly Males. Frontiers in Nutrition, 2020, 7, 595905.	1.6	3
70	Responsiveness of one-carbon metabolites to a high-protein diet in older men: Results from a 10-wk randomized controlled trial. Nutrition, 2021, 89, 111231.	1.1	2
71	Tracking the Fate of Milk Proteins: Better in Whole or in Part?. Journal of Nutrition, 2020, 150, 2001-2002.	1.3	1
72	Retirees, rest, respiration and ROS: does age or inactivity drive mitochondrial dysfunction?. Journal of Physiology, 2015, 593, 5037-5038.	1.3	0