Tim Snijders

List of Publications by Year
in descending order

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		81743	98622
71	4,721	39	67
papers	citations	h-index	g-index

75	75	75	5078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The decline in skeletal muscle mass with aging is mainly attributed to a reduction in type II muscle fiber size. Experimental Gerontology, 2013, 48, 492-498.	1.2	522
2	Satellite cells in human skeletal muscle; from birth to old age. Age, 2014, 36, 545-557.	3.0	280
3	Satellite cells in human skeletal muscle plasticity. Frontiers in Physiology, 2015, 6, 283.	1.3	236
4	Resistance trainingâ€induced changes in integrated myofibrillar protein synthesis are related to hypertrophy only after attenuation of muscle damage. Journal of Physiology, 2016, 594, 5209-5222.	1.3	236
5	Substantial skeletal muscle loss occurs during only 5Âdays of disuse. Acta Physiologica, 2014, 210, 600-611.	1.8	222
6	The impact of sarcopenia and exercise training on skeletal muscle satellite cells. Ageing Research Reviews, 2009, 8, 328-338.	5.0	190
7	Neuromuscular electrical stimulation prevents muscle disuse atrophy during leg immobilization in humans. Acta Physiologica, 2014, 210, 628-641.	1.8	177
8	Skeletal muscle capillary density and microvascular function are compromised with aging and type 2 diabetes. Journal of Applied Physiology, 2014, 116, 998-1005.	1.2	151
9	Protein Ingestion before Sleep Increases Muscle Mass and Strength Gains during Prolonged Resistance-Type Exercise Training in Healthy Young MenNitrogen1â€“3. Journal of Nutrition, 2015, 145, 1178-1184.	1.3	129
10	Disuse Impairs the Muscle Protein Synthetic Response to Protein Ingestion in Healthy Men. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4872-4881.	1.8	127
11	Muscle fibre capillarization is a critical factor in muscle fibre hypertrophy during resistance exercise training in older men. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 267-276.	2.9	114
12	Short-term muscle disuse lowers myofibrillar protein synthesis rates and induces anabolic resistance to protein ingestion. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E137-E147.	1.8	103
13	Differences in postprandial protein handling after beef compared with milk ingestion during postexercise recovery: a randomized controlled trial. American Journal of Clinical Nutrition, 2015, 102, 828-836.	2.2	99
14	Skeletal muscle satellite cells are located at a closer proximity to capillaries in healthy young compared with older men. Journal of Cachexia, Sarcopenia and Muscle, 2016, 7, 547-554.	2.9	91
15	The skeletal muscle satellite cell response to a single bout of resistance-type exercise is delayed with aging in men. Age, 2014, 36, 9699.	3.0	87
16	A whey protein-based multi-ingredient nutritional supplement stimulates gains in lean body mass and strength in healthy older men: A randomized controlled trial. PLoS ONE, 2017, 12, e0181387.	1.1	87
17	Characteristics of Muscle Fiber Type Are Predictive of Skeletal Muscle Mass and Strength in Elderly Men. Journal of the American Geriatrics Society, 2010, 58, 2069-2075.	1.3	86
18	Reduced Satellite Cell Numbers with Spinal Cord Injury and Aging in Humans. Medicine and Science in Sports and Exercise, 2012, 44, 2322-2330.	0.2	82

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19	Skeletal Muscle Regeneration, Repair and Remodelling in Aging: The Importance of Muscle Stem Cells and Vascularization. Gerontology, 2017, 63, 91-100.	1.4	82
20	Eccentric Exercise Increases Satellite Cell Content in Type II Muscle Fibers. Medicine and Science in Sports and Exercise, 2013, 45, 230-237.	0.2	76
21	Neuromuscular electrical stimulation increases muscle protein synthesis in elderly type 2 diabetic men. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E614-E623.	1.8	72
22	Resistance Training Increases Skeletal Muscle Capillarization in Healthy Older Men. Medicine and Science in Sports and Exercise, 2016, 48, 2157-2164.	0.2	63
23	Temporal Response of Angiogenesis and Hypertrophy to Resistance Training in Young Men. Medicine and Science in Sports and Exercise, 2018, 50, 36-45.	0.2	59
24	Exercise conditioning in old mice improves skeletal muscle regeneration. FASEB Journal, 2016, 30, 3256-3268.	0.2	56
25	Presleep dietary protein-derived amino acids are incorporated in myofibrillar protein during postexercise overnight recovery. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E457-E467.	1.8	56
26	Muscle disuse atrophy is not accompanied by changes in skeletal muscle satellite cell content. Clinical Science, 2014, 126, 557-566.	1.8	55
27	The concept of skeletal muscle memory: Evidence from animal and human studies. Acta Physiologica, 2020, 229, e13465.	1.8	52
28	A single bout of exercise activates skeletal muscle satellite cells during subsequent overnight recovery. Experimental Physiology, 2012, 97, 762-773.	0.9	51
29	Changes in myonuclear domain size do not precede muscle hypertrophy during prolonged resistanceâ€type exercise training. Acta Physiologica, 2016, 216, 231-239.	1.8	50
30	Extensive Type II Muscle Fiber Atrophy in Elderly Female Hip Fracture Patients. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1369-1375.	1.7	50
31	The influence of capillarization on satellite cell pool expansion and activation following exerciseâ€induced muscle damage in healthy young men. Journal of Physiology, 2018, 596, 1063-1078.	1.3	50
32	The Anabolic Response to Plant-Based Protein Ingestion. Sports Medicine, 2021, 51, 59-74.	3.1	48
33	Role of muscle stem cells in sarcopenia. Current Opinion in Clinical Nutrition and Metabolic Care, 2017, 20, 186-190.	1.3	45
34	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
35	The Impact of Pre-sleep Protein Ingestion on the Skeletal Muscle Adaptive Response to Exercise in Humans: An Update. Frontiers in Nutrition, 2019, 6, 17.	1.6	45
36	Prolonged exercise training improves the acute type II muscle fibre satellite cell response in healthy older men. Journal of Physiology, 2019, 597, 105-119.	1.3	45

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37	Early- and later-phases satellite cell responses and myonuclear content with resistance training in young men. PLoS ONE, 2018, 13, e0191039.	1.1	42
38	Ingestion of Casein in a Milk Matrix Modulates Dietary Protein Digestion and Absorption Kinetics but Does Not Modulate Postprandial Muscle Protein Synthesis in Older Men. Journal of Nutrition, 2015, 145, 1438-1445.	1.3	41
39	Muscle mass and strength gains following 6â€¯months of resistance type exercise training are only partly preserved within one year with autonomous exercise continuation in older adults. Experimental Gerontology, 2019, 121, 71-78.	1.2	41
40	Short-term muscle disuse atrophy is not associated with increased intramuscular lipid deposition or a decline in the maximal activity of key mitochondrial enzymes in young and older males. Experimental Gerontology, 2015, 61, 76-83.	1.2	39
41	Leucine Supplementation Does Not Attenuate Skeletal Muscle Loss during Leg Immobilization in Healthy, Young Men. Nutrients, 2018, 10, 635.	1.7	37
42	Exercise training impacts skeletal muscle gene expression related to the kynurenine pathway. American Journal of Physiology - Cell Physiology, 2019, 316, C444-C448.	2.1	37
43	Creatine Loading Does Not Preserve Muscle Mass or Strength During Leg Immobilization in Healthy, Young Males: A Randomized Controlled Trial. Sports Medicine, 2017, 47, 1661-1671.	3.1	36
44	No differences in muscle protein synthesis rates following ingestion of wheat protein, milk protein, and their protein blend in healthy, young males. British Journal of Nutrition, 2021, 126, 1832-1842.	1.2	34
45	Continuous enduranceâ€type exercise training does not modulate satellite cell content in obese type 2 diabetes patients. Muscle and Nerve, 2011, 43, 393-401.	1.0	33
46	Presleep protein ingestion does not compromise the muscle protein synthetic response to protein ingested the following morning. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E964-E973.	1.8	30
47	The Impact of Aerobic Exercise on the Muscle Stem Cell Response. Exercise and Sport Sciences Reviews, 2018, 46, 180-187.	1.6	25
48	Acute Dietary Protein Intake Restriction Is Associated with Changes in Myostatin Expression after a Single Bout of Resistance Exercise in Healthy Young Men. Journal of Nutrition, 2014, 144, 137-145.	1.3	24
49	Muscle fiber capillarization as determining factor on indices of insulin sensitivity in humans. Physiological Reports, 2017, 5, e13278.	0.7	22
50	Variability in skeletal muscle fibre characteristics during repeated muscle biopsy sampling in human vastus lateralis. Applied Physiology, Nutrition and Metabolism, 2020, 45, 368-375.	0.9	21
51	Brain-derived neurotrophic factor is associated with human muscle satellite cell differentiation in response to muscle-damaging exercise. Applied Physiology, Nutrition and Metabolism, 2020, 45, 581-590.	0.9	19
52	The Importance of Muscle Capillarization for Optimizing Satellite Cell Plasticity. Exercise and Sport Sciences Reviews, 2021, 49, 284-290.	1.6	17
53	Ageâ€related changes to the satellite cell niche are associated with reduced activation following exercise. FASEB Journal, 2020, 34, 8975-8989.	0.2	15
54	Myonuclear content and domain size in small versus larger muscle fibres in response to 12 weeks of resistance exercise training in older adults. Acta Physiologica, 2021, 231, e13599.	1.8	15

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55	A Multi-Ingredient Nutritional Supplement in Combination With Resistance Exercise and High-Intensity Interval Training Improves Cognitive Function and Increases N-3 Index in Healthy Older Men: A Randomized Controlled Trial. Frontiers in Aging Neuroscience, 2019, 11, 107.	1.7	14
56	Integrated Myofibrillar Protein Synthesis in Recovery From Unaccustomed and Accustomed Resistance Exercise With and Without Multi-ingredient Supplementation in Overweight Older Men. Frontiers in Nutrition, 2019, 6, 40.	1.6	14
57	A multi-ingredient nutritional supplement enhances exercise training-related reductions in markers of systemic inflammation in healthy older men. Applied Physiology, Nutrition and Metabolism, 2018, 43, 299-302.	0.9	13
58	Ingestion of a Multi-Ingredient Supplement Does Not Alter Exercise-Induced Satellite Cell Responses in Older Men. Journal of Nutrition, 2018, 148, 891-899.	1.3	13
59	Consistent expression pattern of myogenic regulatory factors in whole muscle and isolated human muscle satellite cells after eccentric contractions in humans. Journal of Applied Physiology, 2019, 127, 1419-1426.	1.2	13
60	Muscle fiber capillarization is associated with various indices of skeletal muscle mass in healthy, older men. Experimental Gerontology, 2021, 143, 111161.	1.2	13
61	Moderate Intensity Exercise Training Improves Skeletal Muscle Performance inÂSymptomatic and Asymptomatic StatinÂUsers. Journal of the American College of Cardiology, 2021, 78, 2023-2037.	1.2	13
62	Myostatin inhibition for treatment of sarcopenia. Lancet Diabetes and Endocrinology,the, 2015, 3, 917-918.	5.5	12
63	Intramyocellular lipid content and lipogenic gene expression responses following a single bout of resistance type exercise differ between young and older men. Experimental Gerontology, 2017, 93, 36-45.	1.2	12
64	Ingestion of an ample amount of meat substitute based on a lysine-enriched, plant-based protein blend stimulates postprandial muscle protein synthesis to a similar extent as an isonitrogenous amount of chicken in healthy, young men. British Journal of Nutrition, 2022, 128, 1955-1965.	1.2	12
65	Skeletal muscle fiber characteristics in patients with chronic heart failure: impact of disease severity and relation with muscle oxygenation during exercise. Journal of Applied Physiology, 2018, 125, 1266-1276.	1.2	11
66	Nandrolone decanoate administration does not attenuate muscle atrophy during a short period of disuse. PLoS ONE, 2019, 14, e0210823.	1.1	8
67	Skeletal Muscle Adaptive Responses to Different Types of Short-Term Exercise Training and Detraining in Middle-Age Men. Medicine and Science in Sports and Exercise, 2021, 53, 2023-2036.	0.2	8
68	Capillary facilitation of skeletal muscle function in health and disease. Applied Physiology, Nutrition and Metabolism, 2020, 45, 453-462.	0.9	7
69	Are satellite cells lost during short-term disuse-induced muscle fiber atrophy?. Journal of Applied Physiology, 2016, 120, 1490-1490.	1.2	5
70	The Influence and Delivery of Cytokines and their Mediating Effect on Muscle Satellite Cells. Current Stem Cell Reports, 2017, 3, 192-201.	0.7	5
71	The First Characterization of a Novel Stem Cell Population and the Temporal Relationship with Satellite Cells in Human Skeletal Muscle. FASEB Journal, 2018, 32, 615.2.	0.2	0