Charlotte Suetta

List of Publications by Year
in descending order

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Version: 2024-02-01

75 papers	4,086 citations	147801 31 h-index	118850 62 g-index
76 all docs	76 docs citations	76 times ranked	5016 citing authors

#	Article	IF	Citations
1	Training-induced changes in muscle CSA, muscle strength, EMG, and rate of force development in elderly subjects after long-term unilateral disuse. Journal of Applied Physiology, 2004, 97, 1954-1961.	2.5	243
2	Creatine supplementation augments the increase in satellite cell and myonuclei number in human skeletal muscle induced by strength training. Journal of Physiology, 2006, 573, 525-534.	2.9	243
3	Sarcopenia and Postoperative Complication Risk in Gastrointestinal Surgical Oncology. Annals of Surgery, 2018, 268, 58-69.	4.2	232
4	Changes in satellite cells in human skeletal muscle after a single bout of high intensity exercise. Journal of Physiology, 2004, 558, 333-340.	2.9	209
5	The effect of resistance training combined with timed ingestion of protein on muscle fiber size and muscle strength. Metabolism: Clinical and Experimental, 2005, 54, 151-156.	3.4	202
6	Proliferation of myogenic stem cells in human skeletal muscle in response to lowâ€load resistance training with blood flow restriction. Journal of Physiology, 2012, 590, 4351-4361.	2.9	190
7	Resistance Training in the Early Postoperative Phase Reduces Hospitalization and Leads to Muscle Hypertrophy in Elderly Hip Surgery PatientsÃ¢Â€Â”A Controlled, Randomized Study. Journal of the American Geriatrics Society, 2004, 52, 2016-2022.	2.6	184
8	Plasticity in mitochondrial cristae density allows metabolic capacity modulation in human skeletal muscle. Journal of Physiology, 2017, 595, 2839-2847.	2.9	153
9	Effects of aging on muscle mechanical function and muscle fiber morphology during short-term immobilization and subsequent retraining. Journal of Applied Physiology, 2010, 109, 1628-1634.	2.5	150
10	Resistance training induces qualitative changes in muscle morphology, muscle architecture, and muscle function in elderly postoperative patients. Journal of Applied Physiology, 2008, 105, 180-186.	2.5	147
11	The Copenhagen Sarcopenia Study: lean mass, strength, power, and physical function in a Danish cohort aged 20â€“93 years. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 1316-1329.	7.3	142
12	Aging Affects the Transcriptional Regulation of Human Skeletal Muscle Disuse Atrophy. PLoS ONE, 2012, 7, e51238.	2.5	132
13	The neo-epitope specific PRO-C3 ELISA measures true formation of type III collagen associated with liver and muscle parameters. American Journal of Translational Research (discontinued), 2013, 5, 303-15.	0.0	128
14	Changes in the human muscle force-velocity relationship in response to resistance training and subsequent detraining. Journal of Applied Physiology, 2005, 99, 87-94.	2.5	123
15	Muscle adaptations and performance enhancements of soccer training for untrained men. European Journal of Applied Physiology, 2010, 108, 1247-1258.	2.5	116
16	Sarcopenia and osteoporosis in older people: a systematic review and meta-analysis. European Geriatric Medicine, 2018, 9, 419-434.	2.8	76
17	Effects of ageing on single muscle fibre contractile function following shortâ€term immobilisation. Journal of Physiology, 2011, 589, 4745-4757.	2.9	72
18	Evidence of skeletal muscle damage following electrically stimulated isometric muscle contractions in humans. Journal of Applied Physiology, 2008, 105, 1620-1627.	2.5	71

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19	Suppression of testosterone does not blunt mRNA expression of myoD, myogenin, IGF, myostatin or androgen receptor post strength training in humans. Journal of Physiology, 2007, 578, 579-593.	2.9	59
20	Effects of high-intensity training on cardiovascular risk factors in premenopausal and postmenopausal women. American Journal of Obstetrics and Gynecology, 2017, 216, 384.e1-384.e11.	1.3	58
21	Effect of contrasting physical exercise interventions on rapid force capacity of chronically painful muscles. Journal of Applied Physiology, 2009, 107, 1413-1419.	2.5	55
22	The Copenhagen Soccer Test. Medicine and Science in Sports and Exercise, 2012, 44, 1595-1603.	0.4	54
23	Four days of muscle disuse impairs single fiber contractile function in young and old healthy men. Experimental Gerontology, 2013, 48, 154-161.	2.8	54
24	Impact of using the updated EWGSOP2 definition in diagnosing sarcopenia: A clinical perspective. Archives of Gerontology and Geriatrics, 2020, 90, 104125.	3.0	53
25	Relation between leg extension power and 30-s sit-to-stand muscle power in older adults: validation and translation to functional performance. Scientific Reports, 2020, 10, 16337.	3.3	52
26	Increased proportion of megafibers in chronically painful muscles. Pain, 2008, 139, 588-593.	4.2	49
27	Age- and Sex-Specific Changes in Lower-Limb Muscle Power Throughout the Lifespan. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1369-1378.	3.6	48
28	Blood flow restricted training leads to myocellular macrophage infiltration and upregulation of heat shock proteins, but no apparent muscle damage. Journal of Physiology, 2017, 595, 4857-4873.	2.9	46
29	Type VI collagen turnoverâ€rrelated peptidesâ€"novel serological biomarkers of muscle mass and anabolic response to loading in young men. Journal of Cachexia, Sarcopenia and Muscle, 2013, 4, 267-275.	7.3	45
30	Distribution of myogenic progenitor cells and myonuclei is altered in women with vs. those without chronically painful trapezius muscle. Journal of Applied Physiology, 2010, 109, 1920-1929.	2.5	34
31	The Microvascular Volume of the Achilles Tendon Is Increased in Patients With Tendinopathy at Rest and After a 1-Hour Treadmill Run. American Journal of Sports Medicine, 2013, 41, 2400-2408.	4.2	34
32	Relative sitâ€toâ€stand power: aging trajectories, functionally relevant cutâ€off points, and normative data in a large European cohort. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 921-932.	7.3	34
33	Skeletal Muscle Microvascular Changes in Response to Short-Term Blood Flow Restricted Trainingâ€"Exercise-Induced Adaptations and Signs of Perivascular Stress. Frontiers in Physiology, 2020, 11, 556.	2.8	32
34	Associations between inflammatory markers, body composition, and physical function: the Copenhagen Sarcopenia Study. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1641-1652.	7.3	32
35	Delayed Effect of Blood Flowâ€"restricted Resistance Training on Rapid Force Capacity. Medicine and Science in Sports and Exercise, 2017, 49, 1157-1167.	0.4	29
36	Positive effects of 1-year football and strength training on mechanical muscle function and functional capacity in elderly men. European Journal of Applied Physiology, 2016, 116, 1127-1138.	2.5	28

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37	Myosin content of single muscle fibers following short-term disuse and active recovery in young and old healthy men. Experimental Gerontology, 2017, 87, 100-107.	2.8	24
38	Assessment of acute bone loading in humans using [18F]NaF PET/MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2452-2463.	6.4	24
39	Subcellular localizationâ€•and fibre typeâ€dependent utilization of muscle glycogen during heavy resistance exercise in elite power and Olympic weightlifters. Acta Physiologica, 2021, 231, e13561.	3.8	24
40	Changes in systemic GDF15 across the adult lifespan and their impact on maximal muscle power: the Copenhagen Sarcopenia Study. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1418-1427.	7.3	24
41	High-Intensity Strength Training Improves Function of Chronically Painful Muscles: Case-Control and RCT Studies. BioMed Research International, 2014, 2014, 1-11.	1.9	23
42	The acute effects of exercise on the microvascular volume of <scp>A</scp>chilles tendons in healthy young subjects. Clinical Physiology and Functional Imaging, 2013, 33, 252-257.	1.2	21
43	Effects of menopause and high-intensity training on insulin sensitivity and muscle metabolism. Menopause, 2018, 25, 165-175.	2.0	21
44	Is muscle failure a better term than sarcopenia?. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 1146-1147.	7.3	20
45	Predictors of Acute Kidney Injury After Hip Fracture in Older Adults. Geriatric Orthopaedic Surgery and Rehabilitation, 2020, 11, 215145932092008.	1.4	19
46	Coordinated increase in skeletal muscle fiber area and expression of IGF-I with resistance exercise in elderly post-operative patients. Growth Hormone and IGF Research, 2010, 20, 134-140.	1.1	18
47	Geriatric assessment and intervention in older vulnerable patients undergoing surgery for colorectal cancer: a protocol for a randomised controlled trial (GEPOC trial). BMC Geriatrics, 2021, 21, 88.	2.7	18
48	Functional brown adipose tissue and sympathetic activity after cold exposure in humans with type 1 narcolepsy. Sleep, 2018, 41, .	1.1	17
49	Threshold of Relative Muscle Power Required to Rise from a Chair and Mobility Limitations and Disability in Older Adults. Medicine and Science in Sports and Exercise, 2021, 53, 2217-2224.	0.4	17
50	Reproducibility of the Bath Ankylosing Spondylitis Indices of disease activity (BASDAI), functional status (BASFI) and overall well-being (BAS-G) in anti-tumour necrosis factor-treated spondyloarthropathy patients. Clinical Rheumatology, 2010, 29, 849-854.	2.2	16
51	Assessment of muscle function using hybrid PET/MRI: comparison of 18F-FDG PET and T2-weighted MRI for quantifying muscle activation in human subjects. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 704-711.	6.4	15
52	Kinetic [18F]-Fluoride of the Knee in Normal Volunteers. Clinical Nuclear Medicine, 2019, 44, 377-385.	1.3	15
53	Changes in Maximum Muscle Strength and Rapid Muscle Force Characteristics after Long-Term Special Support and Reconnaissance Missions: A Preliminary Report. Military Medicine, 2008, 173, 889-894.	0.8	14
54	Plasticity in central neural drive with short-term disuse and recovery - effects on muscle strength and influence of aging. Experimental Gerontology, 2018, 106, 145-153.	2.8	14

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55	Real-world Treatment Patterns and Overall Survival in Locally Advanced and Metastatic Urothelial Tract Cancer Patients Treated with Chemotherapy in Denmark in the Preimmunotherapy Era: A Nationwide, Population-based Study. European Urology Open Science, 2021, 24, 1-8.	0.4	14
56	Assessment of functional sit-to-stand muscle power: Cross-sectional trajectories across the lifespan. Experimental Gerontology, 2021, 152, 111448.	2.8	12
57	Hyponatremia and metabolic bone disease in patients with epilepsy. Bone, 2019, 123, 67-75.	2.9	10
58	Arm lean mass determined by dual-energy X-ray absorptiometry is superior to characterize skeletal muscle and predict sarcopenia-related mortality in cirrhosis. American Journal of Physiology - Renal Physiology, 2021, 320, G729-G740.	3.4	10
59	Assessment of sarcopenia in patients with upper gastrointestinal tumors: Prevalence and agreement between computed tomography and dual-energy x-ray absorptiometry. Clinical Nutrition, 2021, 40, 2809-2816.	5.0	10
60	Accuracy of the calculated serum osmolarity to screen for hyperosmolar dehydration in older hospitalised medical patients. Clinical Nutrition ESPEN, 2021, 43, 415-419.	1.2	10
61	â€œSarcopenia and risk of osteoporosis, falls and bone fractures in patients with chronic kidney disease: A systematic reviewâ€• PLoS ONE, 2022, 17, e0262572.	2.5	10
62	Development of Sarcopenia in Patients With Bladder Cancer: A Systematic Review. Seminars in Oncology Nursing, 2021, 37, 151108.	1.5	8
63	Effects of High-Intensity Exercise Training on Adipose Tissue Mass, Glucose Uptake and Protein Content in Pre- and Post-menopausal Women. Frontiers in Sports and Active Living, 2020, 2, 60.	1.8	7
64	What is the impact of acute inflammation on muscle performance in geriatric patients?. Experimental Gerontology, 2020, 138, 111008.	2.8	7
65	Plasticity and function of human skeletal muscle in relation to disuse and rehabilitation: Influence of ageing and surgery. Danish Medical Journal, 2017, 64, .	0.5	7
66	Supplementation of Specific Collagen Peptides Following High-Load Resistance Exercise Upregulates Gene Expression in Pathways Involved in Skeletal Muscle Signal Transduction. Frontiers in Physiology, 2022, 13, 838004.	2.8	6
67	Physiological responses of human skeletal muscle to acute blood flow restricted exercise assessed by multimodal MRI. Journal of Applied Physiology, 2020, 129, 748-759.	2.5	5
68	Exercise-induced fluid shifts are distinct to exercise mode and intensity: a comparison of blood flow-restricted and free-flow resistance exercise. Journal of Applied Physiology, 2021, 130, 1822-1835.	2.5	5
69	High-intensity strength training in patients with idiopathic inflammatory myopathies: a randomised controlled trial protocol. BMJ Open, 2021, 11, e043793.	1.9	4
70	Biomarkers for length of hospital stay, changes in muscle mass, strength and physical function in older medical patients: protocol for the Copenhagen PROTECT studyâ€”a prospective cohort study. BMJ Open, 2020, 10, e042786.	1.9	3
71	Rehabilitation for life: the effect on physical function of rehabilitation and care in older adults after hip fractureâ€”study protocol for a cluster-randomised stepped-wedge trial. Trials, 2022, 23, 375.	1.6	2
72	Short-term Bfr Resistance Training Increase Skeletal Muscle Myofiber Size Without Concomitant Increase In Capillary Density. Medicine and Science in Sports and Exercise, 2011, 43, 751.	0.4	1

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73	The effect of normalization of sodium on bone turnover markers in patients with epilepsy. A randomized single-blinded placebo-controlled trial. Contemporary Clinical Trials Communications, 2020, 19, 100587.	1.1	1
74	Commentary on â€œPredictors of Acute Kidney Injury After Hip Fracture in Older Adultsâ€. Geriatric Orthopaedic Surgery and Rehabilitation, 2021, 12, 215145932098612.	1.4	1
75	Nitric Oxide-dependent Myogenic Satellite Cell Activation In Human Skeletal Muscle Following Blood-flow Restricted Exercise. Medicine and Science in Sports and Exercise, 2019, 51, 971-971.	0.4	0