

Lars G. Hvid

List of Publications by Citations

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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.

66

papers

1,606

citations

18

h-index

39

g-index

73

ext. papers

2,044

ext. citations

4.4

avg, IF

4.86

L-index

#	Paper	IF	Citations
66	Effects of aging on human skeletal muscle after immobilization and retraining. <i>Journal of Applied Physiology</i> , 2009 , 107, 1172-80	3.7	240
65	Proliferation of myogenic stem cells in human skeletal muscle in response to low-load resistance training with blood flow restriction. <i>Journal of Physiology</i> , 2012 , 590, 4351-61	3.9	147
64	Effects of aging on muscle mechanical function and muscle fiber morphology during short-term immobilization and subsequent retraining. <i>Journal of Applied Physiology</i> , 2010 , 109, 1628-34	3.7	123
63	Aging affects the transcriptional regulation of human skeletal muscle disuse atrophy. <i>PLoS ONE</i> , 2012 , 7, e51238	3.7	110
62	Ageing is associated with diminished muscle re-growth and myogenic precursor cell expansion early after immobility-induced atrophy in human skeletal muscle. <i>Journal of Physiology</i> , 2013 , 591, 3789-804	3.9	106
61	Exercise as Medicine in Multiple Sclerosis-Time for a Paradigm Shift: Preventive, Symptomatic, and Disease-Modifying Aspects and Perspectives. <i>Current Neurology and Neuroscience Reports</i> , 2019 , 19, 88	6.6	76
60	Aging impairs the recovery in mechanical muscle function following 4 days of disuse. <i>Experimental Gerontology</i> , 2014 , 52, 1-8	4.5	70
59	Muscle strength and power in persons with multiple sclerosis - A systematic review and meta-analysis. <i>Journal of the Neurological Sciences</i> , 2017 , 376, 225-241	3.2	60
58	Effects of ageing on single muscle fibre contractile function following short-term immobilisation. <i>Journal of Physiology</i> , 2011 , 589, 4745-57	3.9	59
57	Muscle glycogen content modifies SR Ca ²⁺ release rate in elite endurance athletes. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 496-505	1.2	55
56	Four days of muscle disuse impairs single fiber contractile function in young and old healthy men. <i>Experimental Gerontology</i> , 2013 , 48, 154-61	4.5	43
55	The effects of immobilization on the mechanical properties of the patellar tendon in younger and older men. <i>Clinical Biomechanics</i> , 2012 , 27, 949-54	2.2	42
54	Is there an overlooked "window of opportunity" in MS exercise therapy? Perspectives for early MS rehabilitation. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 886-894	5	38
53	Subcellular localization-dependent decrements in skeletal muscle glycogen and mitochondria content following short-term disuse in young and old men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E1053-60	6	38
52	Voluntary muscle activation improves with power training and is associated with changes in gait speed in mobility-limited older adults - A randomized controlled trial. <i>Experimental Gerontology</i> , 2016 , 80, 51-6	4.5	35
51	The importance of lower-extremity muscle strength for lower-limb functional capacity in multiple sclerosis: Systematic review. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020 , 63, 123-137	3.8	25
50	Moving exercise research in multiple sclerosis forward (the MoXFo initiative): Developing consensus statements for research. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1303-1308	5	23

49	Repeated high-intensity exercise modulates Ca(2+) sensitivity of human skeletal muscle fibers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016 , 26, 488-97	4.6	20
48	SPARC Interacts with Actin in Skeletal Muscle in Vitro and in Vivo. <i>American Journal of Pathology</i> , 2017 , 187, 457-474	5.8	18
47	Efficacy of High-Intensity Aerobic Exercise on Brain MRI Measures in Multiple Sclerosis. <i>Neurology</i> , 2021 , 96, e203-e213	6.5	16
46	Effects of plyometric training on jumping, sprint performance, and lower body muscle strength in healthy adults: A systematic review and meta-analyses. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019 , 29, 1453-1465	4.6	15
45	Effects of Autograft Types on Muscle Strength and Functional Capacity in Patients Having Anterior Cruciate Ligament Reconstruction: A Randomized Controlled Trial. <i>Sports Medicine</i> , 2020 , 50, 1393-1403	10.6	14
44	Testosterone therapy preserves muscle strength and power in aging men with type 2 diabetes-a randomized controlled trial. <i>Andrology</i> , 2017 , 5, 946-953	4.2	14
43	Physical activity is associated with neuromuscular and physical function in patients with multiple sclerosis independent of disease severity. <i>Disability and Rehabilitation</i> , 2021 , 43, 632-639	2.4	14
42	Plasma brain-derived neurotrophic factor (BDNF) and sphingosine-1-phosphat (S1P) are NOT the main mediators of neuroprotection induced by resistance training in persons with multiple sclerosis-A randomized controlled trial. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 31, 106-111	4	13
41	Myosin content of single muscle fibers following short-term disuse and active recovery in young and old healthy men. <i>Experimental Gerontology</i> , 2017 , 87, 100-107	4.5	13
40	Brain-derived neurotrophic factor (BDNF) serum basal levels is not affected by power training in mobility-limited older adults - A randomized controlled trial. <i>Experimental Gerontology</i> , 2017 , 93, 29-35	4.5	11
39	Neurophysiological impairments in multiple sclerosis-Central and peripheral motor pathways. <i>Acta Neurologica Scandinavica</i> , 2020 , 142, 401-417	3.8	11
38	Aerobic Capacity Is Not Associated with Most Cognitive Domains in Patients with Multiple Sclerosis-A Cross-Sectional Investigation. <i>Journal of Clinical Medicine</i> , 2018 , 7,	5.1	11
37	Is Aerobic or Resistance Training the Most Effective Exercise Modality for Improving Lower Extremity Physical Function and Perceived Fatigue in People With Multiple Sclerosis? A Systematic Review and Meta-analysis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021 , 102, 2032-2048	2.8	11
36	Can we trust self-reported walking distance when determining EDSS scores in patients with multiple sclerosis? The Danish MS hospitals rehabilitation study. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1653-1660	5.1660	10
35	Transient impairments in single muscle fibre contractile function after prolonged cycling in elite endurance athletes. <i>Acta Physiologica</i> , 2013 , 208, 265-73	5.6	10
34	Efficacy of high-intensity aerobic exercise on cognitive performance in people with multiple sclerosis: A randomized controlled trial. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1585-1596	5	10
33	A Critical Systematic Review of Current Evidence on the Effects of Physical Exercise on Whole/Regional Grey Matter Brain Volume in Populations at Risk of Neurodegeneration. <i>Sports Medicine</i> , 2021 , 51, 1651-1671	10.6	9
32	A Head-to-Head Comparison of an Isometric and a Concentric Fatigability Protocol and the Association With Fatigue and Walking in Persons With Multiple Sclerosis. <i>Neurorehabilitation and Neural Repair</i> , 2020 , 34, 523-532	4.7	8

31	Accelerated Trajectories of Walking Capacity Across the Adult Life Span in Persons With Multiple Sclerosis: An Underrecognized Challenge. <i>Neurorehabilitation and Neural Repair</i> , 2020 , 34, 360-369	4.7	8
30	Plasticity in central neural drive with short-term disuse and recovery - effects on muscle strength and influence of aging. <i>Experimental Gerontology</i> , 2018 , 106, 145-153	4.5	8
29	Physical function and muscle strength in sporadic inclusion body myositis. <i>Muscle and Nerve</i> , 2017 , 56, E50-E58	3.4	7
28	Time matters: Early-phase multiple sclerosis is accompanied by considerable impairments across multiple domains. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1477-1485	5	5
27	Impact of musculoskeletal pain on balance and concerns of falling in mobility-limited, community-dwelling Danes over 75 years of age: a cross-sectional study. <i>Aging Clinical and Experimental Research</i> , 2018 , 30, 969-975	4.8	5
26	Neck pain, concerns of falling and physical performance in community-dwelling Danish citizens over 75 years of age: A cross-sectional study. <i>Scandinavian Journal of Public Health</i> , 2016 , 44, 695-701	3	5
25	Influence of Resistance Training on Neuromuscular Function and Physical Capacity in ALS Patients. <i>Journal of Neurodegenerative Diseases</i> , 2017 , 2017, 1436519		5
24	Lower extremity muscle strength across the adult lifespan in multiple sclerosis: Implications for walking and stair climbing capacity. <i>Experimental Gerontology</i> , 2020 , 139, 111025	4.5	4
23	Lower extremity muscle power - A critical determinant of physical function in aging and multiple sclerosis. <i>Experimental Gerontology</i> , 2021 , 150, 111347	4.5	4
22	Study protocol: randomised controlled trial evaluating exercise therapy as a supplemental treatment strategy in early multiple sclerosis: the Early Multiple Sclerosis Exercise Study (EMSES). <i>BMJ Open</i> , 2021 , 11, e043699	3	4
21	Effects of Exercise Training on Neurotrophic Factors and Subsequent Neuroprotection in Persons with Multiple Sclerosis-A Systematic Review and Meta-Analysis. <i>Brain Sciences</i> , 2021 , 11,	3.4	3
20	Test-Retest Reliability of Muscle Strength and Physical Function Tests in 69-Year-old Children. <i>Measurement in Physical Education and Exercise Science</i> , 1-9	1.9	3
19	Contractile Properties of MHC I and II Fibers From Highly Trained Arm and Leg Muscles of Cross-Country Skiers. <i>Frontiers in Physiology</i> , 2021 , 12, 682943	4.6	3
18	A cross-sectional study on the relationship between cardiorespiratory fitness, disease severity and walking speed in persons with Multiple Sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 29, 35-40 ⁴		3
17	Associations between objectively measured physical activity, sedentary behaviour and time in bed among 75+ community-dwelling Danish older adults. <i>BMC Geriatrics</i> , 2021 , 21, 53	4.1	3
16	Concentric strength training at optimal or short muscle length improves strength equally but does not reduce fatigability of hamstring muscles. <i>Physiological Reports</i> , 2019 , 7, e14196	2.6	2
15	Associations between fatigue impact and lifestyle factors in people with multiple sclerosis - The Danish MS hospitals rehabilitation study. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 50, 102799	4	2
14	Effects of Resistance Training Cessation on Cycling Performance in Well-Trained Cyclists: An Exploratory Study.. <i>Journal of Strength and Conditioning Research</i> , 2022 , 36, 796-804	3.2	1

13	Efficacy of high-intensity aerobic exercise on common multiple sclerosis symptoms. <i>Acta Neurologica Scandinavica</i> , 2021 ,	3.8	1
12	Effects of blood-flow restricted resistance training on mechanical muscle function and thigh lean mass in sIBM patients. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 ,	4.6	1
11	Is progressive resistance training feasible in patients with symptomatic external snapping hip?. <i>Physiotherapy Theory and Practice</i> , 2020 , 1-13	1.5	1
10	Comparison Between Isometric and Concentric Motor Fatigability in Persons With Multiple Sclerosis and Healthy Controls - exploring central and peripheral contributions of motor fatigability. <i>Neurorehabilitation and Neural Repair</i> , 2021 , 35, 644-653	4.7	1
9	Physical exercise in multiple sclerosis is not just a symptomatic therapy, it has a disease-modifying effect: Commentary.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585211072702	5	1
8	Investigating the potential disease-modifying and neuroprotective efficacy of exercise therapy early in the disease course of multiple sclerosis: The Early Multiple Sclerosis Exercise Study (EMSES).. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221079200	5	1
7	Objectively assessed physiological, physical, and cognitive function along with patient-reported outcomes during the first 2 years of Alemtuzumab treatment in multiple sclerosis: a prospective observational study.. <i>Journal of Neurology</i> , 2022 , 1	5.5	1
6	Is maximal muscle strength and fatigability of three lower limb muscle groups associated with walking capacity and fatigability in multiple sclerosis? An exploratory study. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 50, 102841	4	0
5	Personalised inpatient multidisciplinary rehabilitation elicits clinically relevant improvements in physical function in patients with multiple sclerosis - The Danish MS Hospitals Rehabilitation Study. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2021 , 7, 2055217321989384	2	0
4	Does physical performance and muscle strength predict future personal and nursing care services in community-dwelling older adults aged 75+?. <i>Scandinavian Journal of Public Health</i> , 2021 , 49, 441-448	3	0
3	Predicting long walking capacity from the timed 25-foot walk test in persons with multiple sclerosis - a potential simple aid to assist ambulation scoring?. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 48, 102706	4	
2	The expression of HSP70 in skeletal muscle is not associated with glycogen availability during recovery following prolonged exercise in elite endurance athletes.. <i>European Journal of Applied Physiology</i> , 2022 , 1	3.4	
1	Implications of lower extremity muscle power and force for walking and fatigability in multiple sclerosis [An exploratory pilot-study. <i>Clinical Biomechanics</i> , 2022 , 105668	2.2	