Evelien Van Roie

List of Publications by Year
in descending order

42	1,102	394421 19	414414 32
papers	citations	h-index	g-index

43	43	43	1568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Association Between Free-Living Sit-to-Stand Transition Characteristics, and Lower-Extremity Performance, Fear of Falling, and Stair Negotiation Difficulties Among Community-Dwelling 75 to 85-Year-Old Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1644-1653.	3.6	5
2	Omega-3 Supplementation Improves Isometric Strength But Not Muscle Anabolic and Catabolic Signaling in Response to Resistance Exercise in Healthy Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 406-414.	3.6	26
3	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
4	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
5	Reduced knee extensor torque production at low to moderate velocities in postmenopausal women with knee osteoarthritis. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 2144-2155.	2.9	1
6	Day-to-Day Variability and Year-to-Year Reproducibility of Accelerometer-Measured Free-Living Sit-to-Stand Transitions Volume and Intensity among Community-Dwelling Older Adults. Sensors, 2021, 21, 6068.	3.8	7
7	Adaptations in Reactive Balance Strategies in Healthy Older Adults After a 3-Week Perturbation Training Program and After a 12-Week Resistance Training Program. Frontiers in Sports and Active Living, 2021, 3, 714555.	1.8	4
8	The Genetic Effect on Muscular Changes in an Older Population: A Follow-Up Study after One-Year Cessation of Structured Training. Genes, 2020, 11, 968.	2.4	1
9	An age-adapted plyometric exercise program improves dynamic strength, jump performance and functional capacity in older men either similarly or more than traditional resistance training. PLoS ONE, 2020, 15, e0237921.	2.5	15
10	Ageâ€related differences in vastus lateralis fascicle behavior during fast accelerative legâ€extension movements. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1878-1887.	2.9	2
11	Age-Related Differences in Muscle Synergy Organization during Step Ascent at Different Heights and Directions. Applied Sciences (Switzerland), 2020, 10, 1987.	2.5	17
12	The effect of resistance training, detraining and retraining on muscle strength and power, myofibre size, satellite cells and myonuclei in older men. Experimental Gerontology, 2020, 133, 110860.	2.8	47
13	A body-fixed-sensor-based analysis of stair ascent and sit-to-stand to detect age-related differences in leg-extensor power. PLoS ONE, 2019, 14, e0210653.	2.5	15
14	Differences in Maximum Voluntary Excitation Between Isometric and Dynamic Contractions are Age-Dependent. Journal of Applied Biomechanics, 2019, 35, 196-201.	0.8	3
15	Effect of acceleration on the rate of power development and neural activity of the leg extensors across the adult life span. European Journal of Applied Physiology, 2019, 119, 781-789.	2.5	6
16	Bench stepping with incremental heights improves muscle volume, strength and functional performance in older women. Experimental Gerontology, 2019, 120, 6-14.	2.8	10
17	Weight bearing exercise can elicit similar peak muscle activation as mediumâ€“high intensity resistance exercise in elderly women. European Journal of Applied Physiology, 2018, 118, 531-541.	2.5	12
18	Maximum Dynamic Lower-Limb Strength Was Maintained During 24-Week Reduced Training Frequency in Previously Sedentary Older Women. Journal of Strength and Conditioning Research, 2018, 32, 1063-1071.	2.1	5

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19	Age-related differences in rate of power development exceed differences in peak power. Experimental Gerontology, 2018, 101, 95-100.	2.8	12
20	Rate of power development of the knee extensors across the adult life span: A cross-sectional study in 1387 Flemish Caucasians. Experimental Gerontology, 2018, 110, 260-266.	2.8	15
21	Age-related decline in leg-extensor power development in single- versus multi-joint movements. Experimental Gerontology, 2018, 110, 98-104.	2.8	8
22	Test-retest reliability of knee extensor rate of velocity and power development in older adults using the isotonic mode on a Biodex System 3 dynamometer. PLoS ONE, 2018, 13, e0196838.	2.5	26
23	Genetic predisposition score predicts the increases of knee strength and muscle mass after one-year exercise in healthy elderly. Experimental Gerontology, 2018, 111, 17-26.	2.8	16
24	Ergometer-cycling with strict versus minimal contact supervision among the oldest adults: A cluster-randomised controlled trial. Archives of Gerontology and Geriatrics, 2017, 70, 112-122.	3.0	4
25	Effects of resistance training at different loads on inflammatory markers in young adults. European Journal of Applied Physiology, 2017, 117, 511-519.	2.5	56
26	Sex difference in the heat shock response to high external load resistance training in older humans. Experimental Gerontology, 2017, 93, 46-53.	2.8	11
27	Training load does not affect detraining's effect on muscle volume, muscle strength and functional capacity among older adults. Experimental Gerontology, 2017, 98, 30-37.	2.8	23
28	High Versus Low Load Resistance Training: The Effect of 24 Weeks Detraining on Serum Brain Derived-Neurotrophic Factor (BDNF) in Older Adults. Journal of Frailty & Aging,the, 2017, 6, 53-58.	1.3	7
29	Load-Specific Inflammation Mediating Effects of Resistance Training in Older Persons. Journal of the American Medical Directors Association, 2016, 17, 547-552.	2.5	33
30	Age-related decline in muscle mass and muscle function in Flemish Caucasians: a 10-year follow-up. Age, 2016, 38, 36.	3.0	34
31	Is knee extension strength a better predictor of functional performance than handgrip strength among older adults in three different settings?. Archives of Gerontology and Geriatrics, 2015, 60, 252-258.	3.0	59
32	Low- and High-Resistance Exercise: Long-Term Adherence and Motivation among Older Adults. Gerontology, 2015, 61, 551-560.	2.8	46
33	Dose-and gender-specific effects of resistance training on circulating levels of brain derived neurotrophic factor (BDNF) in community-dwelling older adults. Experimental Gerontology, 2015, 70, 144-149.	2.8	53
34	Longitudinal impact of aging on muscle quality in middle-aged men. Age, 2014, 36, 9689.	3.0	29
35	Strength training at high versus low external resistance in older adults: Effects on muscle volume, muscle strength, and forceâ€“velocity characteristics. Experimental Gerontology, 2013, 48, 1351-1361.	2.8	136
36	Long-Term Impact of Strength Training on Muscle Strength Characteristics in Older Adults. Archives of Physical Medicine and Rehabilitation, 2013, 94, 2054-2060.	0.9	27

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37	â€œEvery Step Counts!â€: Effects of a Structured Walking Intervention in a Community-Based Senior Organization. Journal of Aging and Physical Activity, 2013, 21, 167-185.	1.0	28
38	Impact of External Resistance and Maximal Effort on Force-Velocity Characteristics of the Knee Extensors During Strengthening Exercise. Journal of Strength and Conditioning Research, 2013, 27, 1118-1127.	2.1	16
39	Force-Velocity Characteristics of the Knee Extensors: An Indication of the Risk for Physical Frailty in Elderly Women. Archives of Physical Medicine and Rehabilitation, 2011, 92, 1827-1832.	0.9	62
40	Effectiveness of a Lifestyle Physical Activity Versus a Structured Exercise Intervention in Older Adults. Journal of Aging and Physical Activity, 2010, 18, 335-352.	1.0	57
41	Interpretation and application of the offside law by expert assistant referees: Perception of spatial positions in complex dynamic events on and off the field. Journal of Sports Sciences, 2009, 27, 551-563.	2.0	50
42	Visual Scan Patterns and Decision-Making Skills of Expert Assistant Referees in Offside Situations. Journal of Sport and Exercise Psychology, 2009, 31, 786-797.	1.2	61