

# Evelien Van Roie

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,102  
citations

394421

19  
h-index

414414

32  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strength training at high versus low external resistance in older adults: Effects on muscle volume, muscle strength, and force-velocity characteristics. <i>Experimental Gerontology</i> , 2013, 48, 1351-1361.	2.8	136
2	Force-Velocity Characteristics of the Knee Extensors: An Indication of the Risk for Physical Frailty in Elderly Women. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1827-1832.	0.9	62
3	Visual Scan Patterns and Decision-Making Skills of Expert Assistant Referees in Offside Situations. <i>Journal of Sport and Exercise Psychology</i> , 2009, 31, 786-797.	1.2	61
4	Is knee extension strength a better predictor of functional performance than handgrip strength among older adults in three different settings?. <i>Archives of Gerontology and Geriatrics</i> , 2015, 60, 252-258.	3.0	59
5	Effectiveness of a Lifestyle Physical Activity Versus a Structured Exercise Intervention in Older Adults. <i>Journal of Aging and Physical Activity</i> , 2010, 18, 335-352.	1.0	57
6	Effects of resistance training at different loads on inflammatory markers in young adults. <i>European Journal of Applied Physiology</i> , 2017, 117, 511-519.	2.5	56
7	Dose-and gender-specific effects of resistance training on circulating levels of brain derived neurotrophic factor (BDNF) in community-dwelling older adults. <i>Experimental Gerontology</i> , 2015, 70, 144-149.	2.8	53
8	Interpretation and application of the offside law by expert assistant referees: Perception of spatial positions in complex dynamic events on and off the field. <i>Journal of Sports Sciences</i> , 2009, 27, 551-563.	2.0	50
9	The effect of resistance training, detraining and retraining on muscle strength and power, myofibre size, satellite cells and myonuclei in older men. <i>Experimental Gerontology</i> , 2020, 133, 110860.	2.8	47
10	Low- and High-Resistance Exercise: Long-Term Adherence and Motivation among Older Adults. <i>Gerontology</i> , 2015, 61, 551-560.	2.8	46
11	Age-related decline in muscle mass and muscle function in Flemish Caucasians: a 10-year follow-up. <i>Age</i> , 2016, 38, 36.	3.0	34
12	Relative sit-to-stand power: aging trajectories, functionally relevant cut-off points, and normative data in a large European cohort. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 921-932.	7.3	34
13	Load-Specific Inflammation Mediating Effects of Resistance Training in Older Persons. <i>Journal of the American Medical Directors Association</i> , 2016, 17, 547-552.	2.5	33
14	Longitudinal impact of aging on muscle quality in middle-aged men. <i>Age</i> , 2014, 36, 9689.	3.0	29
15	“Every Step Counts”: Effects of a Structured Walking Intervention in a Community-Based Senior Organization. <i>Journal of Aging and Physical Activity</i> , 2013, 21, 167-185.	1.0	28
16	Long-Term Impact of Strength Training on Muscle Strength Characteristics in Older Adults. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 2054-2060.	0.9	27
17	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. <i>PLoS ONE</i> , 2018, 13, e0196838.	2.5	26
18	Omega-3 Supplementation Improves Isometric Strength But Not Muscle Anabolic and Catabolic Signaling in Response to Resistance Exercise in Healthy Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 406-414.	3.6	26

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19	Training load does not affect detraining's effect on muscle volume, muscle strength and functional capacity among older adults. <i>Experimental Gerontology</i> , 2017, 98, 30-37.	2.8	23
20	Age-Related Differences in Muscle Synergy Organization during Step Ascent at Different Heights and Directions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1987.	2.5	17
21	Threshold of Relative Muscle Power Required to Rise from a Chair and Mobility Limitations and Disability in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 2217-2224.	0.4	17
22	Impact of External Resistance and Maximal Effort on Force-Velocity Characteristics of the Knee Extensors During Strengthening Exercise. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 1118-1127.	2.1	16
23	Genetic predisposition score predicts the increases of knee strength and muscle mass after one-year exercise in healthy elderly. <i>Experimental Gerontology</i> , 2018, 111, 17-26.	2.8	16
24	Rate of power development of the knee extensors across the adult life span: A cross-sectional study in 1387 Flemish Caucasians. <i>Experimental Gerontology</i> , 2018, 110, 260-266.	2.8	15
25	A body-fixed-sensor-based analysis of stair ascent and sit-to-stand to detect age-related differences in leg-extensor power. <i>PLoS ONE</i> , 2019, 14, e0210653.	2.5	15
26	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. <i>PLoS ONE</i> , 2020, 15, e0237921.	2.5	15
27	Weight bearing exercise can elicit similar peak muscle activation as medium- to high intensity resistance exercise in elderly women. <i>European Journal of Applied Physiology</i> , 2018, 118, 531-541.	2.5	12
28	Age-related differences in rate of power development exceed differences in peak power. <i>Experimental Gerontology</i> , 2018, 101, 95-100.	2.8	12
29	Sex difference in the heat shock response to high external load resistance training in older humans. <i>Experimental Gerontology</i> , 2017, 93, 46-53.	2.8	11
30	Bench stepping with incremental heights improves muscle volume, strength and functional performance in older women. <i>Experimental Gerontology</i> , 2019, 120, 6-14.	2.8	10
31	Age-related decline in leg-extensor power development in single- versus multi-joint movements. <i>Experimental Gerontology</i> , 2018, 110, 98-104.	2.8	8
32	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. <i>Sensors</i> , 2021, 21, 6068.	3.8	7
33	High Versus Low Load Resistance Training: The Effect of 24 Weeks Detraining on Serum Brain Derived-Neurotrophic Factor (BDNF) in Older Adults. <i>Journal of Frailty &amp; Aging</i> , 2017, 6, 53-58.	1.3	7
34	Effect of acceleration on the rate of power development and neural activity of the leg extensors across the adult life span. <i>European Journal of Applied Physiology</i> , 2019, 119, 781-789.	2.5	6
35	Maximum Dynamic Lower-Limb Strength Was Maintained During 24-Week Reduced Training Frequency in Previously Sedentary Older Women. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 1063-1071.	2.1	5
36	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. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1644-1653.	3.6	5

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37	Ergometer-cycling with strict versus minimal contact supervision among the oldest adults: A cluster-randomised controlled trial. <i>Archives of Gerontology and Geriatrics</i> , 2017, 70, 112-122.	3.0	4
38	Adaptations in Reactive Balance Strategies in Healthy Older Adults After a 3-Week Perturbation Training Program and After a 12-Week Resistance Training Program. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 714555.	1.8	4
39	Differences in Maximum Voluntary Excitation Between Isometric and Dynamic Contractions are Age-Dependent. <i>Journal of Applied Biomechanics</i> , 2019, 35, 196-201.	0.8	3
40	Age-related differences in vastus lateralis fascicle behavior during fast accelerative leg extension movements. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1878-1887.	2.9	2
41	The Genetic Effect on Muscular Changes in an Older Population: A Follow-Up Study after One-Year Cessation of Structured Training. <i>Genes</i> , 2020, 11, 968.	2.4	1
42	Reduced knee extensor torque production at low to moderate velocities in postmenopausal women with knee osteoarthritis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 2144-2155.	2.9	1