

# Arthur Dewolf

## List of Publications by Year in descending order

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26  
papers

356  
citations

840776

11  
h-index

888059

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all docs

28  
docs citations

28  
times ranked

334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relation between Step-To-Step Transition Strategies and Walking Pattern in Older Adults. Applied Sciences (Switzerland), 2022, 12, 5055.	2.5	2
2	The effects of an increased step frequency on running economy and injury risk factors during downhill running. Science and Sports, 2022, 37, 446-453.	0.5	1
3	Left-Right Locomotor Coordination in Human Neonates. Journal of Neuroscience, 2022, 42, 6566-6580.	3.6	3
4	Age-related changes in the neuromuscular control of forward and backward locomotion. PLoS ONE, 2021, 16, e0246372.	2.5	17
5	Influence of sports background on the bouncing mechanism of running. Sports Biomechanics, 2021, , 1-12.	1.6	2
6	Mechanical work as a (key) determinant of energy cost in human locomotion: recent findings and future directions. Experimental Physiology, 2021, 106, 1897-1908.	2.0	29
7	Hydrolyzed Collagen Supplementation on Lower Body Stiffness in Recreational Triathletes. Asian Journal of Sports Medicine, 2021, 12, .	0.3	0
8	Neuromuscular Age-Related Adjustment of Gait When Moving Upwards and Downwards. Frontiers in Human Neuroscience, 2021, 15, 749366.	2.0	8
9	Postural control in the elephant. Journal of Experimental Biology, 2021, 224, .	1.7	3
10	Adjustments in the Range of Angular Motion during Walking after Amputation of the Toes: A Case Report. Symmetry, 2021, 13, 2065.	2.2	0
11	Neuromechanical adjustments when walking with an aiding or hindering horizontal force. European Journal of Applied Physiology, 2020, 120, 91-106.	2.5	15
12	Maturation of the Locomotor Circuitry in Children With Cerebral Palsy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 998.	4.1	20
13	The bouncing mechanism of running against hindering, or with aiding traction forces: a comparison with running on a slope. European Journal of Applied Physiology, 2020, 120, 1575-1589.	2.5	5
14	Emergence of Different Gaits in Infancy: Relationship Between Developing Neural Circuitries and Changing Biomechanics. Frontiers in Bioengineering and Biotechnology, 2020, 8, 473.	4.1	25
15	Intra-limb and muscular coordination during walking on slopes. European Journal of Applied Physiology, 2020, 120, 1841-1854.	2.5	22
16	Comment on: "œls Motorized Treadmill Running Biomechanically Comparable to Overground Running? A Systematic Review and Meta-Analysis of Cross-Over Studies" Sports Medicine, 2020, 50, 1695-1698.	6.5	2
17	Commentaries on Viewpoint: Physiology and fast marathons. Journal of Applied Physiology, 2020, 128, 1069-1085.	2.5	12
18	Development of Locomotor-Related Movements in Early Infancy. Frontiers in Cellular Neuroscience, 2020, 14, 623759.	3.7	9

#	ARTICLE	IF	CITATIONS
19	Differential activation of lumbar and sacral motor pools during walking at different speeds and slopes. <i>Journal of Neurophysiology</i> , 2019, 122, 872-887.	1.8	18
20	Effect of walking speed on the intersegmental coordination of lower-limb segments in elderly adults. <i>Gait and Posture</i> , 2019, 70, 156-161.	1.4	20
21	Running on a slope: A collision-based analysis to assess the optimal slope. <i>Journal of Biomechanics</i> , 2019, 83, 298-304.	2.1	12
22	Kinematic patterns while walking on a slope at different speeds. <i>Journal of Applied Physiology</i> , 2018, 125, 642-653.	2.5	41
23	A collision-based analysis of the landing-takeoff asymmetry during running. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, S65-S66.	1.6	8
24	Pendular energy transduction within the step during human walking on slopes at different speeds. <i>PLoS ONE</i> , 2017, 12, e0186963.	2.5	33
25	The rebound of the body during uphill and downhill running at different speeds. <i>Journal of Experimental Biology</i> , 2016, 219, 2276-88.	1.7	42
26	Effect of stride length on maximal pelvic tilt and hip extension during running. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1926-1927.	1.6	3