

# Arthur Dewolf

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

356  
citations

840776

11  
h-index

888059

17  
g-index

28  
all docs

28  
docs citations

28  
times ranked

334  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Kinematic patterns while walking on a slope at different speeds. <i>Journal of Applied Physiology</i> , 2018, 125, 642-653.	2.5	41
3	Pendular energy transduction within the step during human walking on slopes at different speeds. <i>PLoS ONE</i> , 2017, 12, e0186963.	2.5	33
4	Mechanical work as a (key) determinant of energy cost in human locomotion: recent findings and future directions. <i>Experimental Physiology</i> , 2021, 106, 1897-1908.	2.0	29
5	Emergence of Different Gaits in Infancy: Relationship Between Developing Neural Circuitries and Changing Biomechanics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 473.	4.1	25
6	Intra-limb and muscular coordination during walking on slopes. <i>European Journal of Applied Physiology</i> , 2020, 120, 1841-1854.	2.5	22
7	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
8	Maturation of the Locomotor Circuitry in Children With Cerebral Palsy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 998.	4.1	20
9	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
10	Age-related changes in the neuromuscular control of forward and backward locomotion. <i>PLoS ONE</i> , 2021, 16, e0246372.	2.5	17
11	Neuromechanical adjustments when walking with an aiding or hindering horizontal force. <i>European Journal of Applied Physiology</i> , 2020, 120, 91-106.	2.5	15
12	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
13	Commentaries on Viewpoint: Physiology and fast marathons. <i>Journal of Applied Physiology</i> , 2020, 128, 1069-1085.	2.5	12
14	Development of Locomotor-Related Movements in Early Infancy. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 623759.	3.7	9
15	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
16	Neuromuscular Age-Related Adjustment of Gait When Moving Upwards and Downwards. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 749366.	2.0	8
17	The bouncing mechanism of running against hindering, or with aiding traction forces: a comparison with running on a slope. <i>European Journal of Applied Physiology</i> , 2020, 120, 1575-1589.	2.5	5
18	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

#	ARTICLE	IF	CITATIONS
19	Postural control in the elephant. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	3
20	Left-Right Locomotor Coordination in Human Neonates. <i>Journal of Neuroscience</i> , 2022, 42, 6566-6580.	3.6	3
21	Comment on: "œls Motorized Treadmill Running Biomechanically Comparable to Overground Running? A Systematic Review and Meta-Analysis of Cross-Over Studies" <i>Sports Medicine</i> , 2020, 50, 1695-1698.	6.5	2
22	Influence of sports background on the bouncing mechanism of running. <i>Sports Biomechanics</i> , 2021, , 1-12.	1.6	2
23	Relation between Step-To-Step Transition Strategies and Walking Pattern in Older Adults. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5055.	2.5	2
24	The effects of an increased step frequency on running economy and injury risk factors during downhill running. <i>Science and Sports</i> , 2022, 37, 446-453.	0.5	1
25	Hydrolyzed Collagen Supplementation on Lower Body Stiffness in Recreational Triathletes. <i>Asian Journal of Sports Medicine</i> , 2021, 12, .	0.3	0
26	Adjustments in the Range of Angular Motion during Walking after Amputation of the Toes: A Case Report. <i>Symmetry</i> , 2021, 13, 2065.	2.2	0