

# Bruno Leban

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

757  
citations

567281

15  
h-index

580821

25  
g-index

51  
all docs

51  
docs citations

51  
times ranked

956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of light and vigorous physical activity on balance and gait of older adults. Archives of Gerontology and Geriatrics, 2014, 59, 568-573.	3.0	65
2	Clinical assessment of gait in individuals with multiple sclerosis using wearable inertial sensors: Comparison with patient-based measure. Multiple Sclerosis and Related Disorders, 2016, 10, 187-191.	2.0	61
3	Short-term effects of backpack carriage on plantar pressure and gait in schoolchildren. Journal of Electromyography and Kinesiology, 2015, 25, 406-412.	1.7	54
4	Estimation of wheel/rail adhesion coefficient under wet condition with measured boundary friction coefficient and real contact area. Wear, 2011, 271, 32-39.	3.1	50
5	Relationship between static and dynamic balance abilities in Italian professional and youth league soccer players. Physical Therapy in Sport, 2015, 16, 236-241.	1.9	50
6	Effects of backpack carriage on foot-“ground relationship in children during upright stance. Gait and Posture, 2011, 33, 195-199.	1.4	35
7	Characterization of Static Balance Abilities in Elite Soccer Players by Playing Position and Age. Research in Sports Medicine, 2014, 22, 355-367.	1.3	31
8	Lower Limb Force, Velocity, Power Capabilities during Leg Press and Squat Movements. International Journal of Sports Medicine, 2017, 38, 1083-1089.	1.7	28
9	Effectiveness and Limitations of Unsupervised Home-Based Balance Rehabilitation with Nintendo Wii in People with Multiple Sclerosis. BioMed Research International, 2015, 2015, 1-8.	1.9	22
10	Foot pressure distribution in children with cerebral palsy while standing. Research in Developmental Disabilities, 2015, 41-42, 52-57.	2.2	21
11	Smoothness of Gait in Healthy and Cognitively Impaired Individuals: A Study on Italian Elderly Using Wearable Inertial Sensor. Sensors, 2020, 20, 3577.	3.8	21
12	Dynamic postural stability, is associated with competitive level, in youth league soccer players. Physical Therapy in Sport, 2019, 35, 36-41.	1.9	20
13	Dynamic balance is impaired after a match in young elite soccer players. Physical Therapy in Sport, 2016, 22, 11-15.	1.9	18
14	Symmetry of Gait in Underweight, Normal and Overweight Children and Adolescents. Sensors, 2019, 19, 2054.	3.8	18
15	Changes in trunk sway of quay crane operators during work shift: A possible marker for fatigue?. Applied Ergonomics, 2017, 65, 105-111.	3.1	17
16	Ultrasonic Measurements of Contact Area and Pressure Distribution of a Pneumatic Tire on a Rigid Surface. Tire Science and Technology, 2008, 36, 43-62.	0.4	16
17	School-based screening of plantar pressures during level walking with a backpack among overweight and obese schoolchildren. Ergonomics, 2016, 59, 697-703.	2.1	15
18	Plantar pressure patterns in women affected by Ehlers-Danlos syndrome while standing and walking. Research in Developmental Disabilities, 2013, 34, 3720-3726.	2.2	14

#	ARTICLE	IF	CITATIONS
19	Kinematics Adaptation and Inter-Limb Symmetry during Gait in Obese Adults. <i>Sensors</i> , 2021, 21, 5980.	3.8	13
20	Alterations in the Plantar Pressure Patterns of Overweight and Obese Schoolchildren Due to Backpack Carriage. <i>Journal of the American Podiatric Medical Association</i> , 2013, 103, 306-313.	0.3	12
21	Multidisciplinary Study of Biological Parameters and Fatigue Evolution in Quay Crane Operators. <i>Procedia Manufacturing</i> , 2015, 3, 3301-3308.	1.9	12
22	Functional Electrical Stimulation for Foot Drop in Post-Stroke People: Quantitative Effects on Step-to-Step Symmetry of Gait Using a Wearable Inertial Sensor. <i>Sensors</i> , 2021, 21, 921.	3.8	12
23	VISUALIZATION OF CONTACT AREAS IN BOLTED JOINTS USING ULTRASONIC WAVES. <i>Experimental Techniques</i> , 2008, 32, 49-53.	1.5	11
24	Kinematic Analysis of Lower Limb Joint Asymmetry During Gait in People with Multiple Sclerosis. <i>Symmetry</i> , 2021, 13, 598.	2.2	11
25	Age-Related Changes in Smoothness of Gait of Healthy Children and Early Adolescents. <i>Journal of Motor Behavior</i> , 2020, 52, 694-702.	0.9	10
26	Experimental analysis of contact for the indentation of a flat rounded punch. <i>International Journal of Solids and Structures</i> , 2006, 43, 7959-7965.	2.7	9
27	Experimental contact pattern analysis for a gear-rack system. <i>Meccanica</i> , 2012, 47, 51-61.	2.0	9
28	Simultaneous subsurface defect detection and contact parameter assessment in a wheel-rail system. <i>Wear</i> , 2008, 265, 1837-1847.	3.1	8
29	Effect of prolonged sitting on body-seat contact pressures among quay crane operators: A pilot study. <i>Work</i> , 2016, 55, 605-611.	1.1	8
30	Influence of School Schedules on Physical Activity Patterns in Primary School Children: A Case Study in Italy. <i>Journal of Physical Activity and Health</i> , 2017, 14, 501-505.	2.0	8
31	Trunk rotation alters postural sway but not gait in female children and early adolescents: Results from a school-based screening for scoliosis. <i>Gait and Posture</i> , 2018, 61, 301-305.	1.4	8
32	A Study on Lower Limb Asymmetries in Parkinson's Disease during Gait Assessed through Kinematic-Derived Parameters. <i>Bioengineering</i> , 2022, 9, 120.	3.5	8
33	Ultrasonic assessment of wheel-rail contact evolution exposed to artificially induced wear. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2009, 223, 353-364.	2.0	7
34	Lower Limb Kinematics in Individuals with Hip Osteoarthritis during Gait: A Focus on Adaptive Strategies and Interlimb Symmetry. <i>Bioengineering</i> , 2021, 8, 47.	3.5	7
35	Use of wrist-worn accelerometers to quantify bilateral upper limb activity and asymmetry under free-living conditions in people with multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 53, 103081.	2.0	7
36	Inter-joint coordination during gait in people with multiple sclerosis: A focus on the effect of disability. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 60, 103741.	2.0	6

#	ARTICLE	IF	CITATIONS
37	Trunk sway changes in professional bus drivers during actual shifts on long-distance routes. <i>Ergonomics</i> , 2022, 65, 762-774.	2.1	5
38	Changes in symmetry during gait in adults with Prader-Willi syndrome. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 1094-1101.	1.6	4
39	Propagation of Sub-surface Cracks in Railway Wheels for Wear-induced Conformal Contacts. <i>Journal of Mechanical Systems for Transportation and Logistics</i> , 2010, 3, 226-235.	0.2	3
40	Characterization of Pulling Forces Exerted by Primary School Children While Carrying Trolley Bags. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 501-505.	0.3	3
41	Foot-€Ground Interaction during Standing in Individuals with Down Syndrome: a Longitudinal Retrospective Study. <i>Journal of Developmental and Physical Disabilities</i> , 2016, 28, 835-847.	1.6	3
42	Effect of fatigue on postural sway in sport-specific positions of young rhythmic gymnasts. <i>Sport Sciences for Health</i> , 2021, 17, 145-152.	1.3	3
43	Analysis of Discomfort During a 4-Hour Shift in Quay Crane Operators Objectively Assessed Through In-Chair Movements. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 90-100.	0.6	3
44	The development of swimming power. <i>Muscles, Ligaments and Tendons Journal</i> , 2014, 4, 438-45.	0.3	3
45	Cyclograms Reveal Alteration of Inter-Joint Coordination during Gait in People with Multiple Sclerosis Minimally Disabled. <i>Biomechanics</i> , 2022, 2, 331-341.	1.2	3
46	Mixed reality for industrial applications: interactions in human-machine system and modelling in immersive virtual environment. <i>International Journal of Simulation and Process Modelling</i> , 2019, 14, 165.	0.2	2
47	Ultrasonic assessment of wear-induced modifications in engineering contacts. <i>Wear</i> , 2009, 267, 1117-1122.	3.1	1
48	Postural Sway and Foot-Ground Relationship are Significantly Modified by Backpack Carriage during Upright Stance: A Study on Primary School Children. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 1556-1560.	0.3	1
49	Influence of trajectory and gender on pushing-pulling forces when maneuvering beds in actual hospital paths. <i>Materials Today: Proceedings</i> , 2019, 7, 435-442.	1.8	1
50	Characterization of hand forces exerted during non-powered hospital bed pushing and pulling tasks. <i>International Journal of Occupational Safety and Ergonomics</i> , 2021, , 1-9.	1.9	0
51	Mixed reality for industrial applications: interactions in human-machine system and modelling in immersive virtual environment. <i>International Journal of Simulation and Process Modelling</i> , 2019, 14, 165.	0.2	0