

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
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51
all docs

51
docs citations

51
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Trunk sway changes in professional bus drivers during actual shifts on long-distance routes. <i>Ergonomics</i> , 2022, 65, 762-774.	2.1	5
2	A Study on Lower Limb Asymmetries in Parkinsonâ€™s Disease during Gait Assessed through Kinematic-Derived Parameters. <i>Bioengineering</i> , 2022, 9, 120.	3.5	8
3	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
4	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
5	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
6	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
7	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
8	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
9	Kinematic Analysis of Lower Limb Joint Asymmetry During Gait in People with Multiple Sclerosis. <i>Symmetry</i> , 2021, 13, 598.	2.2	11
10	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
11	Kinematics Adaptation and Inter-Limb Symmetry during Gait in Obese Adults. <i>Sensors</i> , 2021, 21, 5980.	3.8	13
12	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
13	Smoothness of Gait in Healthy and Cognitively Impaired Individuals: A Study on Italian Elderly Using Wearable Inertial Sensor. <i>Sensors</i> , 2020, 20, 3577.	3.8	21
14	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
15	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
16	Symmetry of Gait in Underweight, Normal and Overweight Children and Adolescents. <i>Sensors</i> , 2019, 19, 2054.	3.8	18
17	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
18	Dynamic postural stability, is associated with competitive level, in youth league soccer players. <i>Physical Therapy in Sport</i> , 2019, 35, 36-41.	1.9	20

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19	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
20	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
21	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
22	Changes in trunk sway of quay crane operators during work shift: A possible marker for fatigue?. <i>Applied Ergonomics</i> , 2017, 65, 105-111.	3.1	17
23	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
24	Lower Limb Force, Velocity, Power Capabilities during Leg Press and Squat Movements. <i>International Journal of Sports Medicine</i> , 2017, 38, 1083-1089.	1.7	28
25	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
26	Dynamic balance is impaired after a match in young elite soccer players. <i>Physical Therapy in Sport</i> , 2016, 22, 11-15.	1.9	18
27	Foot-€œGround 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
28	Clinical assessment of gait in individuals with multiple sclerosis using wearable inertial sensors: Comparison with patient-based measure. <i>Multiple Sclerosis and Related Disorders</i> , 2016, 10, 187-191.	2.0	61
29	School-based screening of plantar pressures during level walking with a backpack among overweight and obese schoolchildren. <i>Ergonomics</i> , 2016, 59, 697-703.	2.1	15
30	Multidisciplinary Study of Biological Parameters and Fatigue Evolution in Quay Crane Operators. <i>Procedia Manufacturing</i> , 2015, 3, 3301-3308.	1.9	12
31	Effectiveness and Limitations of Unsupervised Home-Based Balance Rehabilitation with Nintendo Wii in People with Multiple Sclerosis. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	22
32	Relationship between static and dynamic balance abilities in Italian professional and youth league soccer players. <i>Physical Therapy in Sport</i> , 2015, 16, 236-241.	1.9	50
33	Short-term effects of backpack carriage on plantar pressure and gait in schoolchildren. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 406-412.	1.7	54
34	Foot pressure distribution in children with cerebral palsy while standing. <i>Research in Developmental Disabilities</i> , 2015, 41-42, 52-57.	2.2	21
35	Characterization of Static Balance Abilities in Elite Soccer Players by Playing Position and Age. <i>Research in Sports Medicine</i> , 2014, 22, 355-367.	1.3	31
36	Effect of light and vigorous physical activity on balance and gait of older adults. <i>Archives of Gerontology and Geriatrics</i> , 2014, 59, 568-573.	3.0	65

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37	The development of swimming power. <i>Muscles, Ligaments and Tendons Journal</i> , 2014, 4, 438-45.	0.3	3
38	Plantar pressure patterns in women affected by Ehlers-Danlos syndrome while standing and walking. <i>Research in Developmental Disabilities</i> , 2013, 34, 3720-3726.	2.2	14
39	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
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	Experimental contact pattern analysis for a gear-rack system. <i>Meccanica</i> , 2012, 47, 51-61.	2.0	9
42	Effects of backpack carriage on foot-ground relationship in children during upright stance. <i>Gait and Posture</i> , 2011, 33, 195-199.	1.4	35
43	Estimation of wheel/rail adhesion coefficient under wet condition with measured boundary friction coefficient and real contact area. <i>Wear</i> , 2011, 271, 32-39.	3.1	50
44	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
45	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
46	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
47	Ultrasonic assessment of wear-induced modifications in engineering contacts. <i>Wear</i> , 2009, 267, 1117-1122.	3.1	1
48	VISUALIZATION OF CONTACT AREAS IN BOLTED JOINTS USING ULTRASONIC WAVES. <i>Experimental Techniques</i> , 2008, 32, 49-53.	1.5	11
49	Simultaneous subsurface defect detection and contact parameter assessment in a wheel-rail system. <i>Wear</i> , 2008, 265, 1837-1847.	3.1	8
50	Ultrasonic Measurements of Contact Area and Pressure Distribution of a Pneumatic Tire on a Rigid Surface. <i>Tire Science and Technology</i> , 2008, 36, 43-62.	0.4	16
51	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