

Brian Horsak

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

435
citations

759055

12
h-index

752573

20
g-index

34
all docs

34
docs citations

34
times ranked

495
citing authors

#	ARTICLE	IF	CITATIONS
1	Explaining Machine Learning Models for Clinical Gait Analysis. <i>ACM Transactions on Computing for Healthcare</i> , 2022, 3, 1-27.	3.3	19
2	A strength and neuromuscular exercise programme did not improve body composition, nutrition and psychological status in children with obesity. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 288-289.	0.7	1
3	Reliability of walking and stair climbing kinematics in a young obese population using a standard kinematic and the CGM2 model. <i>Gait and Posture</i> , 2021, 83, 96-99.	0.6	6
4	Comparison of Bioelectrical Impedance-Based Methods on Body Composition in Young Patients with Obesity. <i>Children</i> , 2021, 8, 295.	0.6	4
5	3D free-hand ultrasound to register anatomical landmarks at the pelvis and localize the hip joint center in lean and obese individuals. <i>Scientific Reports</i> , 2021, 11, 10650.	1.6	2
6	Mind the Steps. , 2021, , .		6
7	Input representations and classification strategies for automated human gait analysis. <i>Gait and Posture</i> , 2020, 76, 198-203.	0.6	13
8	Applicability and usability of an immersive virtual reality-based balance control exergame for prosthetic users: A pilot study with healthy individuals. <i>Gait and Posture</i> , 2020, 81, 157-158.	0.6	1
9	GaitRec, a large-scale ground reaction force dataset of healthy and impaired gait. <i>Scientific Data</i> , 2020, 7, 143.	2.4	23
10	Evaluating the accuracy of a 3D free-hand ultrasound technique for bone segmentation in clinical gait analysis. <i>Gait and Posture</i> , 2020, 81, 335-336.	0.6	0
11	Effects of a lower extremity exercise program on gait biomechanics and clinical outcomes in children and adolescents with obesity: A randomized controlled trial. <i>Gait and Posture</i> , 2019, 70, 122-129.	0.6	17
12	KAVAGait: Knowledge-Assisted Visual Analytics for Clinical Gait Analysis. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2019, 25, 1528-1542.	2.9	30
13	Automatic Classification of Functional Gait Disorders. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 1653-1661.	3.9	40
14	Is the reliability of 3D kinematics of young obese participants dependent on the hip joint center localization method used?. <i>Gait and Posture</i> , 2018, 59, 65-70.	0.6	12
15	Reliability of joint kinematic calculations based on direct kinematic and inverse kinematic models in obese children. <i>Gait and Posture</i> , 2018, 66, 201-207.	0.6	9
16	Within-assessor reliability and minimal detectable change of gait kinematics in a young obese demographic. <i>Gait and Posture</i> , 2017, 54, 112-118.	0.6	22
17	Trunk muscle activation levels during eight stabilization exercises used in the functional kinetics concept: A controlled laboratory study. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2017, 30, 497-508.	0.4	8
18	Serratus anterior and trapezius muscle activity during knee push-up plus and knee-plus exercises performed on a stable, an unstable surface and during sling-suspension. <i>Physical Therapy in Sport</i> , 2017, 23, 86-92.	0.8	10

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19	Short-Term Effects of Real-Time Auditory Display (Sonification) on Gait Parameters in People with Parkinson's Disease: A Pilot Study. <i>Biosystems and Biorobotics</i> , 2017, , 855-859.	0.2	6
20	An Auditory Feedback System in Use with People Aged +50 Years: Compliance and Modifications in Gait Pattern. <i>Biosystems and Biorobotics</i> , 2017, , 881-885.	0.2	4
21	SONIGait: a wireless instrumented insole device for real-time sonification of gait. <i>Journal on Multimodal User Interfaces</i> , 2016, 10, 195-206.	2.0	22
22	The effects of a strength and neuromuscular exercise programme for the lower extremity on knee load, pain and function in obese children and adolescents: study protocol for a randomised controlled trial. <i>Trials</i> , 2015, 16, 586.	0.7	14
23	Muscle co-contraction around the knee when walking with unstable shoes. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 175-181.	0.7	25
24	A physiotherapy-directed occupational health programme for Austrian school teachers: a cluster randomised pilot study. <i>Physiotherapy</i> , 2014, 100, 20-26.	0.2	10
25	Effects of toning shoes on lower extremity gait biomechanics. <i>Clinical Biomechanics</i> , 2013, 28, 344-349.	0.5	19
26	Accuracy of the LPM tracking system considering dynamic position changes. <i>Journal of Sports Sciences</i> , 2012, 30, 1503-1511.	1.0	79
27	A Three-Dimensional Analysis of Finger and Bow String Movements During the Release in Archery. <i>Journal of Applied Biomechanics</i> , 2011, 27, 151-160.	0.3	13
28	A mobile music concept as support for achieving target heart rate in preventive and recreational endurance training. , 2010, , .		7