Dylan Kobsar

List of Publications by Year
in descending order

23	843	535685 17	721071 23
papers	citations	h-index	g-index

23	23	23	1169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sex differences in the regularity and symmetry of gait in older adults with and without knee osteoarthritis. Gait and Posture, 2022, 95, 192-197.	0.6	4
2	Wearable Inertial Sensors for Gait Analysis in Adults with Osteoarthritisâ€"A Scoping Review. Sensors, 2020, 20, 7143.	2.1	43
3	Validity and reliability of wearable inertial sensors in healthy adult walking: a systematic review and meta-analysis. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 62.	2.4	125
4	Running patterns for male and female competitive and recreational runners based on accelerometer data. Journal of Sports Sciences, 2019, 37, 204-211.	1.0	57
5	Individuals with knee osteoarthritis present increased gait pattern deviations as measured by a knee-specific gait deviation index. Gait and Posture, 2019, 72, 82-88.	0.6	13
6	New considerations for collecting biomechanical data using wearable sensors: Number of level runs to define a stable running pattern with a single IMU. Journal of Biomechanics, 2019, 85, 187-192.	0.9	24
7	Subject-specific and group-based running pattern classification using a single wearable sensor. Journal of Biomechanics, 2019, 84, 227-233.	0.9	36
8	Validity of a novel method to measure vertical oscillation during running using a depth camera. Journal of Biomechanics, 2019, 85, 182-186.	0.9	6
9	Classifying running speed conditions using a single wearable sensor: Optimal segmentation and feature extraction methods. Journal of Biomechanics, 2018, 71, 94-99.	0.9	39
10	Wearable Sensor Data to Track Subject-Specific Movement Patterns Related to Clinical Outcomes Using a Machine Learning Approach. Sensors, 2018, 18, 2828.	2.1	31
11	Using wearable sensors to classify subject-specific running biomechanical gait patterns based on changes in environmental weather conditions. PLoS ONE, 2018, 13, e0203839.	1.1	42
12	An expert system feedback tool improves the reliability of clinical gait kinematics for older adults with lower limb osteoarthritis. Gait and Posture, 2017, 58, 261-267.	0.6	2
13	Wearable sensors to predict improvement following an exercise intervention in patients with knee osteoarthritis. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 94.	2.4	28
14	Accelerometer-Based Step Regularity Is Lower in Older Adults with Bilateral Knee Osteoarthritis. Frontiers in Human Neuroscience, 2016, 10, 625.	1.0	32
15	Gender differences in gait kinematics for patients with knee osteoarthritis. BMC Musculoskeletal Disorders, 2016, 17, 157.	0.8	91
16	Relationship between lower limb muscle strength, self-reported pain and function, and frontal plane gait kinematics in knee osteoarthritis. Clinical Biomechanics, 2016, 38, 68-74.	0.5	21
17	Determination of patellofemoral pain sub-groups and development of a method for predicting treatment outcome using running gait kinematics. Clinical Biomechanics, 2016, 38, 13-21.	0.5	30
18	Reliability of gait analysis using wearable sensors in patients with knee osteoarthritis. Journal of Biomechanics, 2016, 49, 3977-3982.	0.9	26

#	Article	IF	Citations
19	Gait Biomechanics and Patient-Reported Function as Predictors of Response to a Hip Strengthening Exercise Intervention in Patients with Knee Osteoarthritis. PLoS ONE, 2015, 10, e0139923.	1.1	32
20	Classification accuracy of a single tri-axial accelerometer for training background and experience level in runners. Journal of Biomechanics, 2014, 47, 2508-2511.	0.9	31
21	Evaluation of age-related differences in the stride-to-stride fluctuations, regularity and symmetry of gait using a waist-mounted tri-axial accelerometer. Gait and Posture, 2014, 39, 553-557.	0.6	100
22	The Validity of Gait Variability and Fractal Dynamics Obtained From a Single, Body-Fixed Triaxial Accelerometer. Journal of Applied Biomechanics, 2014, 30, 343-347.	0.3	15
23	The effect of critical speed and exercise intensity on stroke phase duration and bilateral asymmetry in 200-m front crawl swimming. Journal of Sports Sciences, 2011, 29, 517-526.	1.0	15