Blayne A Hettinga

List of Publications by Citations

14 papers	382 citations	12 h-index	14 g-index
14 ext. papers	450 ext. citations	2.6 avg, IF	3.55 L-index

#	Paper	IF	Citations
14	Gender differences in gait kinematics for patients with knee osteoarthritis. *BMC Musculoskeletal Disorders*, **2016**, 17, 157	2.8	61
13	Between-limb kinematic asymmetry during gait in unilateral and bilateral mild to moderate knee osteoarthritis. *Archives of Physical Medicine and Rehabilitation*, **2013**, 94, 2241-7	2.8	54
12	Gender and age-related differences in bilateral lower extremity mechanics during treadmill running. *PLoS ONE*, **2014**, 9, e105246	3.7	50
11	Kinematic gait patterns in healthy runners: A hierarchical cluster analysis. *Journal of Biomechanics*, **2015**, 48, 3897-904	2.9	45
10	Do intermediate- and higher-order principal components contain useful information to detect subtle changes in lower extremity biomechanics during running?. *Human Movement Science*, **2015**, 44, 91-101	2.4	31
9	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	3.7	28
8	Classification accuracy of a single tri-axial accelerometer for training background and experience level in runners. *Journal of Biomechanics*, **2014**, 47, 2508-11	2.9	21
7	Predicting ground contact events for a continuum of gait types: An application of targeted machine learning using principal component analysis. *Gait and Posture*, **2016**, 46, 86-90	2.6	19
6	A novel method to evaluate error in anatomical marker placement using a modified generalized Procrustes analysis. *Computer Methods in Biomechanics and Biomedical Engineering*, **2015**, 18, 1108-1116	2.1	18
5	Effects of Simulated Marker Placement Deviations on Running Kinematics and Evaluation of a Morphometric-Based Placement Feedback Method. *PLoS ONE*, **2016**, 11, e0147111	3.7	18
4	Wearable sensors to predict improvement following an exercise intervention in patients with knee osteoarthritis. *Journal of NeuroEngineering and Rehabilitation*, **2017**, 14, 94	5.3	17
3	Predicting timing of foot strike during running, independent of striking technique, using principal component analysis of joint angles. *Journal of Biomechanics*, **2014**, 47, 2786-9	2.9	16
2	Kernel Principal Component Analysis for Identification of Between-Group Differences and Changes in Running Gait Patterns. *IFMBE Proceedings*, **2016**, 586-591	0.2	2
1	Biomechanical Features of Running Gait Data Associated with Iliotibial Band Syndrome: Discrete Variables Versus Principal Component Analysis. *IFMBE Proceedings*, **2016**, 580-585	0.2	2