Steven P Davidson

List of Publications by Year
in descending order

Version: 2024-02-01

12 papers	229 citations	1040056 9 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	252 citing authors

#	Article	IF	Citations
1	Quantifying performance and effects of load carriage during a challenging balancing task using an array of wireless inertial sensors. Gait and Posture, 2016, 43, 65-69.	1.4	44
2	Method for Estimating Three-Dimensional Knee Rotations Using Two Inertial Measurement Units: Validation with a Coordinate Measurement Machine. Sensors, 2017, 17, 1970.	3.8	34
3	Quantifying the effects of load carriage and fatigue under load on sacral kinematics during countermovement vertical jump with IMU-based method. Sports Engineering, 2016, 19, 21-34.	1.1	31
4	Estimating Stair Running Performance Using Inertial Sensors. Sensors, 2017, 17, 2647.	3.8	27
5	Body-worn IMU array reveals effects of load on performance in an outdoor obstacle course. PLoS ONE, 2019, 14, e0214008.	2.5	20
6	Quantifying performance on an outdoor agility drill using foot-mounted inertial measurement units. PLoS ONE, 2017, 12, e0188184.	2.5	19
7	Inertial sensor and cluster analysis for discriminating agility run technique and quantifying changes across load. Biomedical Signal Processing and Control, 2017, 32, 150-156.	5.7	16
8	Quantifying warfighter performance in a target acquisition and aiming task using wireless inertial sensors. Applied Ergonomics, 2016, 56, 27-33.	3.1	14
9	Load-embedded inertial measurement unit reveals lifting performance. Applied Ergonomics, 2018, 70, 68-76.	3.1	10
10	Inertial Sensor and Cluster Analysis for Discriminating Agility Run Technique. IFAC-PapersOnLine, 2015, 48, 423-428.	0.9	7
11	Human crawling performance and technique revealed by inertial measurement units. Journal of Biomechanics, 2019, 84, 121-128.	2.1	6
12	Quantifying warfighter performance during a bounding rush (prone-sprinting-prone) maneuver. Applied Ergonomics, 2021, 94, 103382.	3.1	1