Lauren C Benson

List of Publications by Year
in descending order

36 papers	770 citations	643344 15 h-index	620720 26 g-index
36 all docs	36 docs citations	36 times ranked	928 citing authors

#	Article	IF	Citations
1	Is This the Real Life, or Is This Just Laboratory? A Scoping Review of IMU-Based Running Gait Analysis. Sensors, 2022, 22, 1722.	2.1	35
2	Evaluating Methods for Imputing Missing Data from Longitudinal Monitoring of Athlete Workload. Journal of Sports Science and Medicine, 2021, 20, 188-196.	0.7	7
3	Magnitude, Frequency, and Accumulation: Workload Among Injured and Uninjured Youth Basketball Players. Frontiers in Sports and Active Living, 2021, 3, 607205.	0.9	4
4	440â€¦Evaluating exercise fidelity during neuromuscular training programs using wearable technology. , 2021, , .		0
5	084â€¦Monitoring workload to evaluate injury risk: the impact of missing data. , 2021, , .		0
6	083â€¦Workload weighted for tissue damage results in higher acute:chronic workload ratio for injured vs. uninjured athletes. , 2021, , .		0
7	113â€¦The use of inertial measurement units for analyzing change of direction movement in sports: a scoping review. , 2021, , .		0
8	319â€¦Knee and ankle overuse injuries in youth basketball players. , 2021, , .		0
9	269â€¦Commercially-available inertial measurement unit underestimates number of jumps for females more than males: implications for load monitoring and injury prevention. , 2021, , .		0
10	Exploring the potential utility of a wearable accelerometer for estimating impact forces in ballet dancers. Journal of Sports Sciences, 2020, 38, 231-237.	1.0	7
11	Validation of a commercially available inertial measurement unit for recording jump load in youth basketball players. Journal of Sports Sciences, 2020, 38, 928-936.	1.0	19
12	New Considerations for Collecting Biomechanical Data Using Wearable Sensors: The Effect of Different Running Environments. Frontiers in Bioengineering and Biotechnology, 2020, 8, 86.	2.0	18
13	Workload a-WEAR-ness: Monitoring Workload in Team Sports With Wearable Technology. A Scoping Review. Journal of Orthopaedic and Sports Physical Therapy, 2020, 50, 549-563.	1.7	25
14	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
15	New Considerations for Collecting Biomechanical Data Using Wearable Sensors: How Does Inclination Influence the Number of Runs Needed to Determine a Stable Running Gait Pattern?. Sensors, 2019, 19, 2516.	2.1	12
16	Effects of Caffeine on Exertion, Skill Performance, and Physicality in Ice Hockey. International Journal of Sports Physiology and Performance, 2019, 14, 1422-1429.	1.1	7
17	Automated Accelerometer-Based Gait Event Detection During Multiple Running Conditions. Sensors, 2019, 19, 1483.	2.1	49
18	A Principal Components Analysis Approach to Quantifying Foot Clearance and Foot Clearance Variability. Journal of Applied Biomechanics, 2019, 35, 116-122.	0.3	8

#	Article	IF	Citations
19	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
20	Subject-specific and group-based running pattern classification using a single wearable sensor. Journal of Biomechanics, 2019, 84, 227-233.	0.9	36
21	New Considerations for Wearable Technology Data: Changes in Running Biomechanics During a Marathon. Journal of Applied Biomechanics, 2019, 35, 401-409.	0.3	30
22	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
23	The use of wearable devices for walking and running gait analysis outside of the lab: A systematic review. Gait and Posture, 2018, 63, 124-138.	0.6	168
24	Identifying trippers and non-trippers based on knee kinematics during obstacle-free walking. Human Movement Science, 2018, 62, 58-66.	0.6	9
25	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
26	Sex differences in lower extremity kinematics and patellofemoral kinetics during running. Journal of Sports Sciences, 2017, 35, 1-7.	1.0	35
27	Quantifying knee mechanics during balance training exercises. Human Movement Science, 2017, 51, 138-145.	0.6	1
28	Fuzzy Inference System-based Recognition of Slow, Medium and Fast Running Conditions using a Triaxial Accelerometer. Procedia Computer Science, 2017, 114, 401-407.	1.2	18
29	The Influence of a Prefabricated Foot Orthosis on Lower Extremity Mechanics During Running in Individuals With Varying Dynamic Foot Motion. Journal of Orthopaedic and Sports Physical Therapy, 2016, 46, 749-755.	1.7	10
30	The Effect of a Prefabricated Foot Orthotic on Frontal Plane Joint Mechanics in Healthy Runners. Journal of Applied Biomechanics, 2015, 31, 149-158.	0.3	14
31	The Effect of Exertion on Joint Kinematics and Kinetics During Running Using a Waveform Analysis Approach. Journal of Applied Biomechanics, 2015, 31, 250-257.	0.3	16
32	The Effect of Isolated Hamstrings Fatigue on Landing and Cutting Mechanics. Journal of Applied Biomechanics, 2015, 31, 211-220.	0.3	14
33	CHANGES IN PATELLOFEMORAL JOINT STRESS DURING RUNNING WITH THE APPLICATION OF A PREFABRICATED FOOT ORTHOTIC. International Journal of Sports Physical Therapy, 2015, 10, 967-75.	0.5	5
34	Development of a High-Throughput Cell-Based Reporter Assay to Identify Stabilizers of Tumor Suppressor Pdcd4. Journal of Biomolecular Screening, 2010, 15, 21-29.	2.6	15
35	Total synthesis of the antimalarial naphthylisoquinoline alkaloid 5-epi-4′-O-demethylancistrobertsonine C by asymmetric Suzuki cross-coupling. Tetrahedron, 2008, 64, 5563-5568.	1.0	45
36	Evaluating a Wearable Solution for Measuring Lower Extremity Asymmetry during Landing. Physiotherapy Canada Physiotherapie Canada, 0, , .	0.3	1