

David N Saucier

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

186
citations

1307594

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1125743

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17
all docs

17
docs citations

17
times ranked

113
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable Stretch Sensors for Human Movement Monitoring and Fall Detection in Ergonomics. International Journal of Environmental Research and Public Health, 2020, 17, 3554.	2.6	56
2	Closing the Wearable Gap: Mobile Systems for Kinematic Signal Monitoring of the Foot and Ankle. Electronics (Switzerland), 2018, 7, 117.	3.1	22
3	Closing the Wearable Gap"Part II: Sensor Orientation and Placement for Foot and Ankle Joint Kinematic Measurements. Sensors, 2019, 19, 3509.	3.8	22
4	Closing the Wearable Gap"Part VI: Human Gait Recognition Using Deep Learning Methodologies. Electronics (Switzerland), 2020, 9, 796.	3.1	19
5	Closing the Wearable Gap"Part III: Use of Stretch Sensors in Detecting Ankle Joint Kinematics During Unexpected and Expected Slip and Trip Perturbations. Electronics (Switzerland), 2019, 8, 1083.	3.1	18
6	Closing the Wearable Gap"Part IV: 3D Motion Capture Cameras Versus Soft Robotic Sensors Comparison of Gait Movement Assessment. Electronics (Switzerland), 2019, 8, 1382.	3.1	12
7	Preliminary Evaluation of Filtration Efficiency and Differential Pressure ASTM F3502 Testing Methods of Non-Medical Masks Using a Face Filtration Mount. International Journal of Environmental Research and Public Health, 2021, 18, 4124.	2.6	9
8	Closing the Wearable Gap-Part VII: A Retrospective of Stretch Sensor Tool Kit Development for Benchmark Testing. Electronics (Switzerland), 2020, 9, 1457.	3.1	8
9	Closing the Wearable Gap"Part IX: Validation of an Improved Ankle Motion Capture Wearable. IEEE Access, 2021, 9, 114022-114036.	4.2	5
10	External Load and Muscle Activation Monitoring of NCAA Division I Basketball Team Using Smart Compression Shorts. Sensors, 2021, 21, 5348.	3.8	5
11	Closing the Wearable Gap"Part VIII: A Validation Study for a Smart Knee Brace to Capture Knee Joint Kinematics. Biomechanics, 2021, 1, 152-162.	1.2	4
12	Validity and Reliability of StriveTM Sense3 for Muscle Activity Monitoring During the Squat Exercise. International Journal of Kinesiology and Sports Science, 2021, 8, 1.	0.8	2
13	Do They Really Work? Quantifying Fabric Mask Effectiveness to Improve Public Health Messaging. International Journal of Environmental Research and Public Health, 2022, 19, 6372.	2.6	2
14	Deterioration of textile vs. electronic components over time in athletic wearable devices. , 2021, , .		1
15	Evaluating the fit-effectiveness of fabric-based reusable face masks on 3D printed NIOSH headforms. Textile Reseach Journal, 0, , 004051752210892.	2.2	1
16	Low-voltage capacitive measurement methodology for dielectric elastomers. , 2021, , .		0