Juri Taborri

List of Publications by Year
in descending order

42 papers	1,060 citations	686830 13 h-index	580395 25 g-index
43 all docs	43 docs citations	43 times ranked	1199 citing authors

#	Article	IF	Citations
1	On the Breathability Measurement of Surgical Masks: Uncertainty, Repeatability, and Reproducibility Analysis. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	3
2	Measuring Kinematic Response to Perturbed Locomotion in Young Adults. Sensors, 2022, 22, 672.	2.1	3
3	CSA Antisense Targeting Enhances Anticancer Drug Sensitivity in Breast Cancer Cells, including the Triple-Negative Subtype. Cancers, 2022, 14, 1687.	1.7	4
4	Sex-specific tuning of modular muscle activation patterns for locomotion in young and older adults. PLoS ONE, 2022, 17, e0269417.	1.1	9
5	The assessment of inertial odometry system performance in tracking upper limb kinematics. , 2022, , .		0
6	Polymer Materials for Respiratory Protection: Processing, End Use, and Testing Methods. ACS Applied Polymer Materials, 2021, 3, 531-548.	2.0	44
7	A Machine-Learning Approach to Measure the Anterior Cruciate Ligament Injury Risk in Female Basketball Players. Sensors, 2021, 21, 3141.	2.1	24
8	Investigating Issues and Needs of Dyslexic Students at University: Proof of Concept of an Artificial Intelligence and Virtual Reality-Based Supporting Platform and Preliminary Results. Applied Sciences (Switzerland), 2021, 11, 4624.	1.3	14
9	Repeatability and reproducibility in the breathability measurement of surgical masks. , 2021, , .		6
10	Baropodometric analysis in different feet positions: reliability and repeatability evaluation. , 2021, , .		1
11	Validation of a 3D Markerless System for Gait Analysis Based on OpenPose and Two RGB Webcams. IEEE Sensors Journal, 2021, 21, 17064-17075.	2.4	35
12	Sensor-Based Indices for the Prediction and Monitoring of Anterior Cruciate Ligament Injury: Reliability Analysis and a Case Study in Basketball. Sensors, 2021, 21, 5341.	2.1	3
13	Preventing and Monitoring Work-Related Diseases in Firefighters: A Literature Review on Sensor-Based Systems and Future Perspectives in Robotic Devices. International Journal of Environmental Research and Public Health, 2021, 18, 9723.	1.2	4
14	Reactive Postural Responses to Continuous Yaw Perturbations in Healthy Humans: The Effect of Aging. Sensors, 2020, 20, 63.	2.1	18
15	BEAT: Balance Evaluation Automated Testbed for the standardization of balance assessment in human wearing exoskeleton. , 2020, , .		6
16	Can the measurements of leg stability during jump landing predict and monitor anterior cruciate ligament injury? A case report of basketball player. , 2020, , .		1
17	Accuracy Evaluation and Clinical Application of an Optimized Solution for Measuring Spatio-Temporal Gait Parameters. , 2020, , .		4
18	Reliability and Repeatability Analysis of Indices to Measure Gait Deterioration in MS Patients during Prolonged Walking. Sensors, 2020, 20, 5063.	2.1	7

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19	Assessing the Effects of Kata and Kumite Techniques on Physical Performance in Elite Karatekas. Sensors, 2020, 20, 3186.	2.1	13
20	On the OCRA Measurement: Automatic Computation of the Dynamic Technical Action Frequency Factor. Sensors, 2020, 20, 1643.	2.1	7
21	Sport Biomechanics Applications Using Inertial, Force, and EMG Sensors: A Literature Overview. Applied Bionics and Biomechanics, 2020, 2020, 1-18.	0.5	60
22	A markerless system for gait analysis based on OpenPose library. , 2020, , .		48
23	Parkinson's disease and Levodopa effects on muscle synergies in postural perturbation. , 2019, , .		4
24	Automatic identification and counting of repetitive actions related to an industrial worker. , 2019, , .		4
25	Measuring changes in gait kinematics due to walking-related fatigue in patients with Multiple Sclerosis. , 2019, , .		6
26	Automatic Detection of Faults in Race Walking: A Comparative Analysis of Machine-Learning Algorithms Fed with Inertial Sensor Data. Sensors, 2019, 19, 1461.	2.1	40
27	Quantifying Age-Related Differences of Ankle Mechanical Properties Using a Robotic Device. Robotics, 2019, 8, 96.	2.1	3
28	Is the Neuromuscular Organization of Throwing Unchanged in Virtual Reality? Implications for Upper Limb Rehabilitation. Electronics (Switzerland), 2019, 8, 1495.	1.8	3
29	Yaw Postural Perturbation Through Robotic Platform: Aging Effects on Muscle Synergies. , 2018, , .		6
30	On the Reliability and Repeatability of Surface Electromyography Factorization by Muscle Synergies in Daily Life Activities. Applied Bionics and Biomechanics, 2018, 2018, 1-15.	0.5	24
31	Measuring age-related differences in kinematic postural strategies under yaw perturbation. , 2018, , .		9
32	Feasibility of Muscle Synergy Outcomes in Clinics, Robotics, and Sports: A Systematic Review. Applied Bionics and Biomechanics, 2018, 2018, 1-19.	0.5	70
33	EMG factorization during walking: does digital filtering influence the accuracy in the evaluation of the muscle synergy number?. , 2018, , .		2
34	WAKE-Up Exoskeleton to Assist Children With Cerebral Palsy: Design and Preliminary Evaluation in Level Walking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 906-916.	2.7	67
35	Spasticity Measurement Based on Tonic Stretch Reflex Threshold in Children with Cerebral Palsy Using the PediAnklebot. Frontiers in Human Neuroscience, 2017, 11, 277.	1.0	33
36	Factorization of EMG via muscle synergies in walking task: Evaluation of intra-subject and inter-subject variability. , 2017, , .		9

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37	Gait Partitioning Methods: A Systematic Review. Sensors, 2016, 16, 66.	2.1	261
38	Evaluation of the effects on stride-to-stride variability and gait asymmetry in children with Cerebral Palsy wearing the WAKE-up ankle module. , 2016, , .		20
39	A HMM distributed classifier to control robotic knee module of an active orthosis. , 2015, , .		6
40	Validation of Inter-Subject Training for Hidden Markov Models Applied to Gait Phase Detection in Children with Cerebral Palsy. Sensors, 2015, 15, 24514-24529.	2.1	60
41	Real-time gait detection based on Hidden Markov Model: Is it possible to avoid training procedure?. , 2015, , .		12
42	A Novel HMM Distributed Classifier for the Detection of Gait Phases by Means of a Wearable Inertial Sensor Network. Sensors, 2014, 14, 16212-16234.	2.1	105