

# Juri Taborri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6701169/publications.pdf>

Version: 2024-02-01

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	Gait Partitioning Methods: A Systematic Review. <i>Sensors</i> , 2016, 16, 66.	2.1	261
2	A Novel HMM Distributed Classifier for the Detection of Gait Phases by Means of a Wearable Inertial Sensor Network. <i>Sensors</i> , 2014, 14, 16212-16234.	2.1	105
3	Feasibility of Muscle Synergy Outcomes in Clinics, Robotics, and Sports: A Systematic Review. <i>Applied Bionics and Biomechanics</i> , 2018, 2018, 1-19.	0.5	70
4	WAKE-Up Exoskeleton to Assist Children With Cerebral Palsy: Design and Preliminary Evaluation in Level Walking. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 906-916.	2.7	67
5	Validation of Inter-Subject Training for Hidden Markov Models Applied to Gait Phase Detection in Children with Cerebral Palsy. <i>Sensors</i> , 2015, 15, 24514-24529.	2.1	60
6	Sport Biomechanics Applications Using Inertial, Force, and EMG Sensors: A Literature Overview. <i>Applied Bionics and Biomechanics</i> , 2020, 2020, 1-18.	0.5	60
7	A markerless system for gait analysis based on OpenPose library. , 2020, , .		48
8	Polymer Materials for Respiratory Protection: Processing, End Use, and Testing Methods. <i>ACS Applied Polymer Materials</i> , 2021, 3, 531-548.	2.0	44
9	Automatic Detection of Faults in Race Walking: A Comparative Analysis of Machine-Learning Algorithms Fed with Inertial Sensor Data. <i>Sensors</i> , 2019, 19, 1461.	2.1	40
10	Validation of a 3D Markerless System for Gait Analysis Based on OpenPose and Two RGB Webcams. <i>IEEE Sensors Journal</i> , 2021, 21, 17064-17075.	2.4	35
11	Spasticity Measurement Based on Tonic Stretch Reflex Threshold in Children with Cerebral Palsy Using the PediAnklebot. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 277.	1.0	33
12	On the Reliability and Repeatability of Surface Electromyography Factorization by Muscle Synergies in Daily Life Activities. <i>Applied Bionics and Biomechanics</i> , 2018, 2018, 1-15.	0.5	24
13	A Machine-Learning Approach to Measure the Anterior Cruciate Ligament Injury Risk in Female Basketball Players. <i>Sensors</i> , 2021, 21, 3141.	2.1	24
14	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
15	Reactive Postural Responses to Continuous Yaw Perturbations in Healthy Humans: The Effect of Aging. <i>Sensors</i> , 2020, 20, 63.	2.1	18
16	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. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4624.	1.3	14
17	Assessing the Effects of Kata and Kumite Techniques on Physical Performance in Elite Karatekas. <i>Sensors</i> , 2020, 20, 3186.	2.1	13
18	Real-time gait detection based on Hidden Markov Model: Is it possible to avoid training procedure?. , 2015, , .		12

#	ARTICLE	IF	CITATIONS
19	Measuring age-related differences in kinematic postural strategies under yaw perturbation. , 2018, , .		9
20	Factorization of EMG via muscle synergies in walking task: Evaluation of intra-subject and inter-subject variability. , 2017, , .		9
21	Sex-specific tuning of modular muscle activation patterns for locomotion in young and older adults. PLoS ONE, 2022, 17, e0269417.	1.1	9
22	Reliability and Repeatability Analysis of Indices to Measure Gait Deterioration in MS Patients during Prolonged Walking. Sensors, 2020, 20, 5063.	2.1	7
23	On the OCRA Measurement: Automatic Computation of the Dynamic Technical Action Frequency Factor. Sensors, 2020, 20, 1643.	2.1	7
24	A HMM distributed classifier to control robotic knee module of an active orthosis. , 2015, , .		6
25	Yaw Postural Perturbation Through Robotic Platform: Aging Effects on Muscle Synergies. , 2018, , .		6
26	Measuring changes in gait kinematics due to walking-related fatigue in patients with Multiple Sclerosis. , 2019, , .		6
27	BEAT: Balance Evaluation Automated Testbed for the standardization of balance assessment in human wearing exoskeleton. , 2020, , .		6
28	Repeatability and reproducibility in the breathability measurement of surgical masks. , 2021, , .		6
29	Parkinsonâ€™s disease and Levodopa effects on muscle synergies in postural perturbation. , 2019, , .		4
30	Automatic identification and counting of repetitive actions related to an industrial worker. , 2019, , .		4
31	Accuracy Evaluation and Clinical Application of an Optimized Solution for Measuring Spatio-Temporal Gait Parameters. , 2020, , .		4
32	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
33	CSA Antisense Targeting Enhances Anticancer Drug Sensitivity in Breast Cancer Cells, including the Triple-Negative Subtype. Cancers, 2022, 14, 1687.	1.7	4
34	Quantifying Age-Related Differences of Ankle Mechanical Properties Using a Robotic Device. Robotics, 2019, 8, 96.	2.1	3
35	Is the Neuromuscular Organization of Throwing Unchanged in Virtual Reality? Implications for Upper Limb Rehabilitation. Electronics (Switzerland), 2019, 8, 1495.	1.8	3
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Measuring Kinematic Response to Perturbed Locomotion in Young Adults. Sensors, 2022, 22, 672.	2.1	3
39	EMG factorization during walking: does digital filtering influence the accuracy in the evaluation of the muscle synergy number?. , 2018, , .		2
40	Can the measurements of leg stability during jump landing predict and monitor anterior cruciate ligament injury? A case report of basketball player. , 2020, , .		1
41	Baropodometric analysis in different feet positions: reliability and repeatability evaluation. , 2021, , .		1
42	The assessment of inertial odometry system performance in tracking upper limb kinematics. , 2022, , .		0