Annamaria Guiotto

List of Publications by Year
in descending order

		687363	580821
30 papers	**666** citations	**13** h-index	**25** g-index
36 all docs	**36** docs citations	**36** times ranked	**760** citing authors

#	Article	IF	Citations
1	Diabetic gait and posture abnormalities: A biomechanical investigation through three dimensional gait analysis. Clinical Biomechanics, 2009, 24, 722-728.	1.2	138
2	Integrated kinematics–kinetics–plantar pressure data analysis: A useful tool for characterizing diabetic foot biomechanics. Gait and Posture, 2012, 36, 20-26.	1.4	76
3	Relationship between clinical and instrumental balance assessments in chronic post-stroke hemiparesis subjects. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 95.	4.6	63
4	Biomechanical assessment of balance and posture in subjects with ankylosing spondylitis. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 63.	4.6	49
5	Impaired gait in ankylosing spondylitis. Medical and Biological Engineering and Computing, 2011, 49, 801-809.	2.8	46
6	3D finite element model of the diabetic neuropathic foot: A gait analysis driven approach. Journal of Biomechanics, 2014, 47, 3064-3071.	2.1	41
7	Underwater gait analysis in Parkinson's disease. Gait and Posture, 2017, 52, 87-94.	1.4	39
8	The role of foot morphology on foot function in diabetic subjects with or without neuropathy. Gait and Posture, 2013, 37, 603-610.	1.4	38
9	A methodological framework for detecting ulcers' risk in diabetic foot subjects by combining gait analysis, a new musculoskeletal foot model and a foot finite element model. Gait and Posture, 2018, 60, 279-285.	1.4	34
10	Proprioceptive Focal Stimulation (Equistasi®) May Improve the Quality of Gait in Middle-Moderate Parkinson's Disease Patients. Double-Blind, Double-Dummy, Randomized, Crossover, Italian Multicentric Study. Frontiers in Neurology, 2019, 10, 998.	2.4	25
11	Comparison of lower limb muscle strength between diabetic neuropathic and healthy subjects using OpenSim. Gait and Posture, 2017, 58, 194-200.	1.4	21
12	The Design and Simulation of a 16-Sensors Plantar Pressure Insole Layout for Different Applications: From Sports to Clinics, a Pilot Study. Sensors, 2021, 21, 1450.	3.8	15
13	Gait and posture analysis in patients with maxillary transverse discrepancy, before and after RPE. International Orthodontics, 2018, 16, 158-173.	1.9	14
14	Relationship between Muscular Activity and Postural Control Changes after Proprioceptive Focal Stimulation (Equistasi®) in Middle-Moderate Parkinson's Disease Patients: An Explorative Study. Sensors, 2021, 21, 560.	3.8	14
15	Clustering classification of diabetic walking abnormalities: a new approach taking into account intralimb coordination patterns. Gait and Posture, 2020, 79, 33-40.	1.4	11
16	Changes of biomechanics induced by Equistasi® in Parkinson's disease: coupling between balance and lower limb joints kinematics. Medical and Biological Engineering and Computing, 2021, 59, 1403-1415.	2.8	7
17	Feasibility and Reliability Assessment of Video-Based Motion Analysis and Surface Electromyography in Children with Fragile X during Gait. Sensors, 2021, 21, 4746.	3.8	7
18	Electromyography-informed modeling for estimating muscle activation and force alterations in Parkinson's disease. Computer Methods in Biomechanics and Biomedical Engineering, 2022, 25, 14-26.	1.6	5

#	Article	IF	Citations
19	Reliability and Repeatability of ACL Quick Check®: A Methodology for on Field Lower Limb Joint Kinematics and Kinetics Assessment in Sport Applications. Sensors, 2022, 22, 259.	3.8	5
20	Could Proprioceptive Stimuli Change Saddle Pressure on Male Cyclists during Different Hand Positions? An Exploratory Study of the Effect of the Equistasi® Device. Sports, 2022, 10, 88.	1.7	4
21	Relationship between sagittal plane kinematics, foot morphology and vertical forces applied to three regions of the foot. International Biomechanics, 2016, 3, 50-56.	1.0	3
22	Effects of Rapid Palatal Expansion on Chewing Biomechanics in Children with Malocclusion: A Surface Electromyography Study. Sensors, 2020, 20, 2086.	3.8	3
23	Validation of plantar pressure simulations using finite and discrete element modelling in healthy and diabetic subjects. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 1442-1452.	1.6	2
24	Identification of diabetic neuropathic patients at risk of foot ulceration through finite element models and cluster analysis. Journal of Foot and Ankle Research, 2014, 7, .	1.9	1
25	GAIT ANALYSIS DRIVEN 2D FINITE ELEMENT MODEL OF THE NEUROPATHIC HINDFOOT. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650012.	0.7	1
26	EMG analysis across different tasks improves prevention screenings in diabetes: a cluster analysis approach. Medical and Biological Engineering and Computing, 2022, 60, 1659.	2.8	1
27	Biomechanical evaluation of diabetic foot through hierarchical cluster analysis. Journal of Foot and Ankle Research, 2014, 7, .	1.9	0
28	2‐Dimensional foot FE models for clinical application in gait analysis. Journal of Foot and Ankle Research, 2014, 7, .	1.9	0
29	The role of muscle forces on foot internal stresses and plantar pressure distribution: differences between healthy and diabetic neuropathic subjects. Gait and Posture, 2017, 57, 73-74.	1.4	0
30	Differences in Tackle biomechanics between elite young and adult Rugby players. Gait and Posture, 2017, 57, 315-316.	1.4	0