

# Annamaria Guiotto

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

666  
citations

687363

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580821

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times ranked

760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromyography-informed modeling for estimating muscle activation and force alterations in Parkinson's disease. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 14-26.	1.6	5
2	Reliability and Repeatability of ACL Quick Check®: A Methodology for on Field Lower Limb Joint Kinematics and Kinetics Assessment in Sport Applications. <i>Sensors</i> , 2022, 22, 259.	3.8	5
3	EMG analysis across different tasks improves prevention screenings in diabetes: a cluster analysis approach. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 1659.	2.8	1
4	Could Proprioceptive Stimuli Change Saddle Pressure on Male Cyclists during Different Hand Positions? An Exploratory Study of the Effect of the Equistasi® Device. <i>Sports</i> , 2022, 10, 88.	1.7	4
5	The Design and Simulation of a 16-Sensors Plantar Pressure Insole Layout for Different Applications: From Sports to Clinics, a Pilot Study. <i>Sensors</i> , 2021, 21, 1450.	3.8	15
6	Changes of biomechanics induced by Equistasi® in Parkinson's disease: coupling between balance and lower limb joints kinematics. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 1403-1415.	2.8	7
7	Feasibility and Reliability Assessment of Video-Based Motion Analysis and Surface Electromyography in Children with Fragile X during Gait. <i>Sensors</i> , 2021, 21, 4746.	3.8	7
8	Relationship between Muscular Activity and Postural Control Changes after Proprioceptive Focal Stimulation (Equistasi®) in Middle-Moderate Parkinson's Disease Patients: An Explorative Study. <i>Sensors</i> , 2021, 21, 560.	3.8	14
9	Effects of Rapid Palatal Expansion on Chewing Biomechanics in Children with Malocclusion: A Surface Electromyography Study. <i>Sensors</i> , 2020, 20, 2086.	3.8	3
10	Clustering classification of diabetic walking abnormalities: a new approach taking into account intralimb coordination patterns. <i>Gait and Posture</i> , 2020, 79, 33-40.	1.4	11
11	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. <i>Frontiers in Neurology</i> , 2019, 10, 998.	2.4	25
12	Gait and posture analysis in patients with maxillary transverse discrepancy, before and after RPE. <i>International Orthodontics</i> , 2018, 16, 158-173.	1.9	14
13	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. <i>Gait and Posture</i> , 2018, 60, 279-285.	1.4	34
14	Validation of plantar pressure simulations using finite and discrete element modelling in healthy and diabetic subjects. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 1442-1452.	1.6	2
15	The role of muscle forces on foot internal stresses and plantar pressure distribution: differences between healthy and diabetic neuropathic subjects. <i>Gait and Posture</i> , 2017, 57, 73-74.	1.4	0
16	Differences in Tackle biomechanics between elite young and adult Rugby players. <i>Gait and Posture</i> , 2017, 57, 315-316.	1.4	0
17	Comparison of lower limb muscle strength between diabetic neuropathic and healthy subjects using OpenSim. <i>Gait and Posture</i> , 2017, 58, 194-200.	1.4	21
18	Underwater gait analysis in Parkinson's disease. <i>Gait and Posture</i> , 2017, 52, 87-94.	1.4	39

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19	Relationship between sagittal plane kinematics, foot morphology and vertical forces applied to three regions of the foot. <i>International Biomechanics</i> , 2016, 3, 50-56.	1.0	3
20	GAIT ANALYSIS DRIVEN 2D FINITE ELEMENT MODEL OF THE NEUROPATHIC HINDFOOT. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650012.	0.7	1
21	3D finite element model of the diabetic neuropathic foot: A gait analysis driven approach. <i>Journal of Biomechanics</i> , 2014, 47, 3064-3071.	2.1	41
22	Identification of diabetic neuropathic patients at risk of foot ulceration through finite element models and cluster analysis. <i>Journal of Foot and Ankle Research</i> , 2014, 7, .	1.9	1
23	Biomechanical evaluation of diabetic foot through hierarchical cluster analysis. <i>Journal of Foot and Ankle Research</i> , 2014, 7, .	1.9	0
24	2â€­Dimensional foot FE models for clinical application in gait analysis. <i>Journal of Foot and Ankle Research</i> , 2014, 7, .	1.9	0
25	The role of foot morphology on foot function in diabetic subjects with or without neuropathy. <i>Gait and Posture</i> , 2013, 37, 603-610.	1.4	38
26	Relationship between clinical and instrumental balance assessments in chronic post-stroke hemiparesis subjects. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 95.	4.6	63
27	Integrated kinematicsâ€­kineticsâ€­plantar pressure data analysis: A useful tool for characterizing diabetic foot biomechanics. <i>Gait and Posture</i> , 2012, 36, 20-26.	1.4	76
28	Biomechanical assessment of balance and posture in subjects with ankylosing spondylitis. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2012, 9, 63.	4.6	49
29	Impaired gait in ankylosing spondylitis. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 801-809.	2.8	46
30	Diabetic gait and posture abnormalities: A biomechanical investigation through three dimensional gait analysis. <i>Clinical Biomechanics</i> , 2009, 24, 722-728.	1.2	138