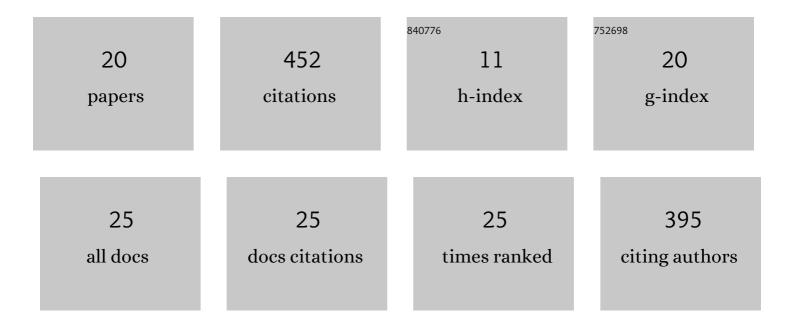
Tecla Bonci

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6345946/publications.pdf Version: 2024-02-01



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#	Article	lF	CITATIONS
1	Standardization proposal of soft tissue artefact description for data sharing in human motion measurements. Journal of Biomechanics, 2017, 62, 5-13.	2.1	65
2	Technical validation of real-world monitoring of gait: a multicentric observational study. BMJ Open, 2021, 11, e050785.	1.9	56
3	Whole Body Vibration Treatments in Postmenopausal Women Can Improve Bone Mineral Density: Results of a Stimulus Focussed Meta-Analysis. PLoS ONE, 2016, 11, e0166774.	2.5	48
4	A soft tissue artefact model driven by proximal and distal joint kinematics. Journal of Biomechanics, 2014, 47, 2354-2361.	2.1	40
5	Generalized mathematical representation of the soft tissue artefact. Journal of Biomechanics, 2014, 47, 476-481.	2.1	33
6	A model of the soft tissue artefact rigid component. Journal of Biomechanics, 2015, 48, 1752-1759.	2.1	30
7	Soft tissue displacement over pelvic anatomical landmarks during 3-D hip movements. Journal of Biomechanics, 2017, 62, 14-20.	2.1	28
8	What Portion of the Soft Tissue Artefact Requires Compensation When Estimating Joint Kinematics?. Journal of Biomechanical Engineering, 2015, 137, 064502.	1.3	25
9	Algorithms for Walking Speed Estimation Using a Lower-Back-Worn Inertial Sensor: A Cross-Validation on Speed Ranges. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1955-1964.	4.9	23
10	A method for gait events detection based on low spatial resolution pressure insoles data. Journal of Biomechanics, 2021, 127, 110687.	2.1	22
11	Rigid and non-rigid geometrical transformations of a marker-cluster and their impact on bone-pose estimation. Journal of Biomechanics, 2015, 48, 4166-4172.	2.1	16
12	An Objective Methodology for the Selection of a Device for Continuous Mobility Assessment. Sensors, 2020, 20, 6509.	3.8	15
13	A wearable multi-sensor system for real world gait analysis. , 2021, 2021, 7020-7023.		15
14	A Multifactorial Model of Multiple Sclerosis Gait and Its Changes Across Different Disability Levels. IEEE Transactions on Biomedical Engineering, 2021, 68, 3196-3204.	4.2	10
15	A qualitative analysis of soft tissue artefact during running. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 124-125.	1.6	7
16	An Algorithm for Accurate Marker-Based Gait Event Detection in Healthy and Pathological Populations During Complex Motor Tasks. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	4.1	6
17	Characterisation of the transient mechanical response and the electromyographical activation of lower leg muscles in whole body vibration training. Scientific Reports, 2022, 12, 6232.	3.3	4
18	A Quality Control Check to Ensure Comparability of Stereophotogrammetric Data between Sessions and Systems. Sensors, 2021, 21, 8223.	3.8	3

#	Article	IF	CITATIONS
19	A comparative accuracy analysis of five sensor fusion algorithms for orientation estimation using magnetic and inertial sensors. Gait and Posture, 2018, 66, S9-S10.	1.4	2
20	A joint kinematics driven model of the pelvic soft tissue artefact. Journal of Biomechanics, 2020, 111, 109998.	2.1	2