# Tecla Bonci

List of Publications by Year
in descending order



| 20 | 452 | 840119 11 | 752256 20 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 25 | 25 | 25 | 395 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Standardization proposal of soft tissue artefact description for data sharing in human motion measurements. Journal of Biomechanics, 2017, 62, 5-13. | 0.9 | 65 |
| 2 | Technical validation of real-world monitoring of gait: a multicentric observational study. BMJ Open, 2021, 11, e050785. | 0.8 | 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. | 1.1 | 48 |
| 4 | A soft tissue artefact model driven by proximal and distal joint kinematics. Journal of Biomechanics, 2014, 47, 2354-2361. | 0.9 | 40 |
| 5 | Generalized mathematical representation of the soft tissue artefact. Journal of Biomechanics, 2014, 47, 476-481. | 0.9 | 33 |
| 6 | A model of the soft tissue artefact rigid component. Journal of Biomechanics, 2015, 48, 1752-1759. | 0.9 | 30 |
| 7 | Soft tissue displacement over pelvic anatomical landmarks during 3-D hip movements. Journal of Biomechanics, 2017, 62, 14-20. | 0.9 | 28 |
| 8 | What Portion of the Soft Tissue Artefact Requires Compensation When Estimating Joint Kinematics?. Journal of Biomechanical Engineering, 2015, 137, 064502. | 0.6 | 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. | 2.7 | 23 |
| 10 | A method for gait events detection based on low spatial resolution pressure insoles data. Journal of Biomechanics, 2021, 127, 110687. | 0.9 | 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. | 0.9 | 16 |
| 12 | An Objective Methodology for the Selection of a Device for Continuous Mobility Assessment. Sensors, 2020, 20, 6509. | 2.1 | 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. | 2.5 | 10 |
| 15 | A qualitative analysis of soft tissue artefact during running. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 124-125. | 0.9 | 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, . | 2.0 | 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. | 1.6 | 4 |
| 18 | A Quality Control Check to Ensure Comparability of Stereophotogrammetric Data between Sessions and Systems. Sensors, 2021, 21, 8223. | 2.1 | 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. | 0.6 | 2 |
| 20 | A joint kinematics driven model of the pelvic soft tissue artefact. Journal of Biomechanics, 2020, 111, 109998. | 0.9 | 2 |