

Comparing land and underwater gait characteristics with inertial measurement units

Monoli, Cecilia; Gasparini, Isabella; Piccinini, Luigi; **Tuhtan, Jeffrey Andrew**; Galli, Manuela 26th Congress of the European Society of Biomechanics, July 11-14, 2021, Milan, Italy : conference paper 2021 / 2 p. : ill
https://www.researchgate.net/publication/353803400_Comparing_Land_and_Underwater_Gait_Characteristics_with_Inertial_Measurement_Units

Forward and backward walking : multifactorial characterization of gait parameters

Donno, Lucia; **Monoli, Cecilia**; Frigo, Carlo Albino; Galli, Manuela Sensors 2023 / art. 4671 <https://doi.org/10.3390/s23104671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving the reliability of underwater gait analysis using wearable pressure and inertial sensors

Monoli, Cecilia; Galli, Manuela; **Tuhtan, Jeffrey Andrew** PLoS One 2024 / e0300100, 15 p
<https://doi.org/10.1371/journal.pone.0300100> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In water and on land forward and backward spatiotemporal gait characteristics

Monoli, Cecilia; Galli, Manuela; **Tuhtan, Jeffrey Andrew** 8th Congress of the European Society of Biomechanics, July 9-12, 2023, Maastricht, the Netherlands 2023
https://www.researchgate.net/publication/372419899_IN_WATER_AND_ON_LAND_FORWARD_AND_BACKWARD_SPATIOTEMPORAL_GAIT_CHARACTERISTICS

Land and underwater gait analysis using wearable IMU

Monoli, Cecilia; Fuentez-Perez, Juan Francisco; Cau, Nicola; Capodaglio, Paolo; Galli, Manuela; **Tuhtan, Jeffrey Andrew** IEEE sensors journal 2021 / p. 11192-11202 <https://doi.org/10.1109/JSEN.2021.3061623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A novel approach for aquatic gait analysis using wearable inertial and hydrodynamic pressure sensors = Uudne lähenemisviis veealuse kõnnaku analüüsiks, kasutades kantavaid inertsiaalseid ja hüdrodünaamilisi rõhuandureid

Monoli, Cecilia 2024 https://www.ester.ee/record=b5685206*est <https://digikogu.taltech.ee/et/Item/f6ca5db2-99f6-48c2-98f8-c6ae343ddf7f>
<https://doi.org/10.23658/taltech.22/2024>

Wearable technologies for monitoring aquatic exercises : a systematic review

Monoli, Cecilia; **Tuhtan, Jeffrey Andrew**; Piccinini, Luigi; Galli, Manuela Clinical Rehabilitation 2023 / p. 791-807
<https://doi.org/10.1177/02692155221141039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)