

Bibliometric indices (as of 14/03/2025)

	Personal page	Publication Number	Citations	H-index
Scopus	Link	7	97	5
Google Scholar	Link	10	136	6

Selected Publications

- 07/2023 **Hydrostatic Transmissions for Lightweight Human-Friendly Robotic Arms**
Authors: Bolignari, Marco, Gianluca Rizzello, Luca Zaccarian, Marco Fontana.
Journal: IEEE Transaction on Robotics
[DOI: 10.1109/TRO.2023.3290310](#)
- 10/2022 **Diaphragm Ankle Actuation for Efficient Series Elastic Legged Robot Hopping**
Authors: Marco Bolignari, An Mo, Marco Fontana, Alexander Badri-Spröwitz.
Conference: 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
[DOI: 10.1109/IROS47612.2022.9981060](#)
- 04/2021 **Smith-Predictor-Based Torque Control of a Rolling Diaphragm Hydrostatic Transmission**
Authors: Bolignari, Marco, Gianluca Rizzello, Luca Zaccarian, Marco Fontana.
Journal: IEEE Robotics and Automation Letters, vol. 6, no. 2, pp. 2970-2977, April 2021
[DOI: 10.1109/LRA.2021.3062310](#)
- 03/2021 **Electrostatic bellow muscle actuators and energy harvesters that stack up**
Authors: I. D. Sîrbu, G. Moretti, G. Bortolotti, M. Bolignari, S. Diré, L. Fambri, R. Vertechy, M. Fontana
Journal: Science Robotics, vol. 6, February 2021
[DOI: 10.1126/SCIROBOTICS.AAZ5796](#)
- 03/2020 **Design and Experimental Characterization of High-Performance Hydrostatic Transmission for Robot Actuation**
Authors: Bolignari, Marco, Marco Fontana.
Journal: Meccanica 55, 1169–1179
[DOI: 10.1007/s11012-020-01143-z](#)