

# Marta Moltedo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2350112/publications.pdf>

Version: 2024-02-01

9  
papers

175  
citations

1478505

6  
h-index

1720034

7  
g-index

9  
all docs

9  
docs citations

9  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable stiffness ankle actuator for use in robotic-assisted walking: Control strategy and experimental characterization. <i>Mechanism and Machine Theory</i> , 2019, 134, 604-624.	4.5	41
2	Design and evaluation of a torque-controllable knee joint actuator with adjustable series compliance and parallel elasticity. <i>Mechanism and Machine Theory</i> , 2018, 130, 71-85.	4.5	37
3	Powered ankle-foot orthoses: the effects of the assistance on healthy and impaired users while walking. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 86.	4.6	36
4	Design and Development of Customized Physical Interfaces to Reduce Relative Motion Between the User and a Powered Ankle Foot Exoskeleton. , 2018, , .		20
5	Walking with a powered ankle-foot orthosis: the effects of actuation timing and stiffness level on healthy users. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 98.	4.6	18
6	Varying mechanical compliance benefits energy efficiency of a knee joint actuator. <i>Mechatronics</i> , 2020, 66, 102318.	3.3	10
7	Realtime Delayless Estimation of Derivatives of Noisy Sensor Signals for Quasi-Cyclic Motions With Application to Joint Acceleration Estimation on an Exoskeleton. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 1647-1654.	5.1	8
8	Human Musculoskeletal and Energetic Adaptations to Unilateral Robotic Knee Gait Assistance. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1141-1150.	4.2	4
9	Improving skin artifacts compensation for knee flexion/extension and knee internal/external rotation. , 2014, , .		1