

# Pierluigi Beomonte Zobel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8256011/publications.pdf>

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13  
papers

197  
citations

1307594

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1125743

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183  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Telemedicine Robot System for Assisted and Independent Living. <i>Sensors</i> , 2019, 19, 834.	3.8	51
2	Numerical modelling and experimental validation of a McKibben pneumatic muscle actuator. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 2737-2748.	2.5	36
3	Autonomous robot for cleaning photovoltaic panels in desert zones. <i>Mechatronics</i> , 2020, 68, 102372.	3.3	27
4	Development of an Active Exoskeleton for Assisting Back Movements in Lifting Weights. <i>International Journal of Mechanical Engineering and Robotics Research</i> , 2018, 7, 353-360.	1.0	20
5	Development of a Straight Fibers Pneumatic Muscle. <i>International Journal of Automation Technology</i> , 2018, 12, 413-423.	1.0	15
6	Development and testing of a grasper for NOTES powered by variable stiffness pneumatic actuation. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017, 13, e1796.	2.3	12
7	Biomechanical Design and Prototyping of a Powered Ankle-Foot Prosthesis. <i>Materials</i> , 2020, 13, 5806.	2.9	10
8	Modeling-Based EMG Signal (MBES) Classifier for Robotic Remote-Control Purposes. <i>Actuators</i> , 2022, 11, 65.	2.3	8
9	Powered off-road wheelchair for the transportation of tetraplegics along mountain trails. <i>Disability and Rehabilitation: Assistive Technology</i> , 2019, 14, 172-181.	2.2	5
10	Development of an Active Orthosis for Inferior Limb with Light Structure. <i>Mechanisms and Machine Science</i> , 2018, , 833-841.	0.5	5
11	A Procedure for the Fatigue Life Prediction of Straight Fibers Pneumatic Muscles. <i>Actuators</i> , 2021, 10, 300.	2.3	5
12	Additive Manufacturing Applications on Flexible Actuators for Active Orthoses and Medical Devices. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-11.	1.9	2
13	Development of a Novel Pneumatic Oscillator for the Tissue Paper Industry. <i>Machines</i> , 2021, 9, 261.	2.2	1