

Ilaria Palomba

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

226
citations

1162889

8
h-index

1058333

14
g-index

14
all docs

14
docs citations

14
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration Energy Harvesting from Raindrops Impacts: Experimental Tests and Interpretative Models. Applied Sciences (Switzerland), 2022, 12, 3249.	1.3	3
2	Mechatronic Re-Design of a Manual Assembly Workstation into a Collaborative One for Wire Harness Assemblies. Robotics, 2021, 10, 43.	2.1	12
3	Modeling, Design and Optimization of Flexible Mechanical Systems. Applied Sciences (Switzerland), 2021, 11, 7124.	1.3	1
4	An Approximation-Based Design Optimization Approach to Eigenfrequency Assignment for Flexible Multibody Systems. Applied Sciences (Switzerland), 2021, 11, 11558.	1.3	3
5	Minimization of the Energy Consumption in Industrial Robots through Regenerative Drives and Optimally Designed Compliant Elements. Applied Sciences (Switzerland), 2020, 10, 7475.	1.3	19
6	Design of Human-Centered Collaborative Assembly Workstations for the Improvement of Operators' Physical Ergonomics and Production Efficiency: A Case Study. Sustainability, 2020, 12, 3606.	1.6	79
7	Natural Motion for Energy Saving in Robotic and Mechatronic Systems. Applied Sciences (Switzerland), 2019, 9, 3516.	1.3	32
8	Flexible-Link Multibody System Eigenvalue Analysis Parameterized with Respect to Rigid-Body Motion. Applied Sciences (Switzerland), 2019, 9, 5156.	1.3	7
9	Reduced-Order Observers for Nonlinear State Estimation in Flexible Multibody Systems. Shock and Vibration, 2018, 2018, 1-12.	0.3	8
10	An Updating Method for Finite Element Models of Flexible-Link Mechanisms Based on an Equivalent Rigid-Link System. Shock and Vibration, 2018, 2018, 1-14.	0.3	16
11	Kinematic state estimation for rigid-link multibody systems by means of nonlinear constraint equations. Multibody System Dynamics, 2017, 40, 1-22.	1.7	19
12	Two-stage approach to state and force estimation in rigid-link multibody systems. Multibody System Dynamics, 2017, 39, 115-134.	1.7	8
13	Mode selection for reduced order modeling of mechanical systems excited at resonance. International Journal of Mechanical Sciences, 2016, 114, 268-276.	3.6	11
14	Energy-Based Optimal Ranking of the Interior Modes for Reduced-Order Models under Periodic Excitation. Shock and Vibration, 2015, 2015, 1-10.	0.3	8