

Giuseppe Bucca

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

543
citations

933447

10
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

416
citing authors

#	ARTICLE	IF	CITATIONS
1	A procedure for the wear prediction of collector strip and contact wire in pantograph-catenary system. <i>Wear</i> , 2009, 266, 46-59.	3.1	167
2	Pantograph-catenary interaction: recent achievements and future research challenges. <i>International Journal of Rail Transportation</i> , 2018, 6, 57-82.	2.7	72
3	Optical Fiber Sensors to Measure Collector Performance in the Pantograph-Catenary Interaction. <i>IEEE Sensors Journal</i> , 2009, 9, 635-640.	4.7	56
4	Electromechanical interaction between carbon-based pantograph strip and copper contact wire: A heuristic wear model. <i>Tribology International</i> , 2015, 92, 47-56.	5.9	56
5	Human-robot collaboration in sensorless assembly task learning enhanced by uncertainties adaptation via Bayesian Optimization. <i>Robotics and Autonomous Systems</i> , 2021, 136, 103711.	5.1	44
6	Pantograph-catenary monitoring by means of fibre Bragg grating sensors: Results from tests in an underground line. <i>Mechanical Systems and Signal Processing</i> , 2013, 41, 226-238.	8.0	40
7	Adoption of different pantographs™ preloads to improve multiple collection and speed up existing lines. <i>Vehicle System Dynamics</i> , 2012, 50, 403-418.	3.7	27
8	Numerical and Hardware-In-the-Loop Tools for the Design of Very High Speed Pantograph-Catenary Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , 2012, 7, .	1.2	16
9	A Mechatronic Device for the Rehabilitation of Ankle Motor Function. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 125001.	1.3	14
10	Sensorless Optimal Switching Impact/Force Controller. <i>IEEE Access</i> , 2021, 9, 158167-158184.	4.2	13
11	A heuristic wear model for the contact strip and contact wire in pantograph-catenary interaction for railway operations under 15kV 16.67Hz AC systems. <i>Wear</i> , 2020, 456-457, 203401.	3.1	12
12	Robot End-Effector Mounted Camera Pose Optimization in Object Detection-Based Tasks. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2022, 104, 1.	3.4	7
13	Experimental Analysis of the Influence of the Electrical Arc on the Wear Rate of Contact Strip and Contact Wire in a.c. System. <i>Mechanisms and Machine Science</i> , 2017, , 449-456.	0.5	5
14	Design and testing of fibre Bragg grating force transducers for the measurement of pantograph-catenary contact force. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2019, 233, 396-409.	2.0	4
15	Analysis of the thermal variations in a moving pantograph strip using an electro-thermal simulation tool and validating by experimental tests. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020, 234, 859-868.	2.0	4
16	External Joint Torques Estimation for a Position-Controlled Manipulator Employing an Extended Kalman Filter. , 2021, , .		3
17	Contact point lateral speed effects on contact strip wear in pantograph-catenary interaction for railway operations under 15kV 16.67Hz AC systems. <i>Wear</i> , 2021, 486-487, 204103.	3.1	3