

Mark A Post

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

219
citations

1307594

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1058476

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g-index

23
all docs

23
docs citations

23
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Attitude Control Systems for CubeSat-Class Nanosatellite. <i>Journal of Control Science and Engineering</i> , 2013, 2013, 1-15.	1.0	73
2	Modularity for the future in space robotics: A review. <i>Acta Astronautica</i> , 2021, 189, 530-547.	3.2	26
3	A Low-Cost Photodiode Sun Sensor for CubeSat and Planetary Microrover. <i>International Journal of Aerospace Engineering</i> , 2013, 2013, 1-9.	0.9	15
4	Design of a novel wheeled tensegrity robot: a comparison of tensegrity concepts and a prototype for travelling air ducts. <i>Robotics and Biomimetics</i> , 2018, 5, 1.	1.7	15
5	Real-Time Nonlinear Attitude Control System for Nanosatellite Applications. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 1661-1671.	2.8	14
6	Collaborative mobile industrial manipulator: A review of system architecture and applications. , 2019, , .		13
7	Development of Modular Bio-Inspired Autonomous Underwater Vehicle for Close Subsea Asset Inspection. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5401.	2.5	9
8	The Potential of Ultrasonic Non-Destructive Measurement of Residual Stresses by Modal Frequency Spacing using Leaky Lamb Waves. <i>Experimental Mechanics</i> , 2012, 52, 1329-1339.	2.0	7
9	A novel adaptive unscented Kalman filter attitude estimation and control systems for 3U nanosatellite. , 2013, , .		7
10	A Symmetric Three Degree of Freedom Tensegrity Mechanism with Dual Operation Modes for Robot Actuation. <i>Biomimetics</i> , 2021, 6, 30.	3.3	7
11	Stress Evaluation Using Ultrasonic Interference Spectrum of Leaky Lamb Waves. <i>Experimental Mechanics</i> , 2011, 51, 971-980.	2.0	6
12	Lessons learned from the York University Rover Team (YURT) at the University Rover Challenge 2008â€“2009. <i>Acta Astronautica</i> , 2011, 68, 1343-1352.	3.2	6
13	Planetary micro-rover operations on Mars using a Bayesian framework for inference and control. <i>Acta Astronautica</i> , 2016, 120, 295-314.	3.2	5
14	Autonomous Navigation with Open Software Platform for Field Robots. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 425-450.	0.4	5
15	Study for femto satellites using micro Control Moment Gyroscope. , 2016, , .		3
16	Common Data Fusion Framework: An open-source Common Data Fusion Framework for space robotics. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142091176.	2.1	3
17	Articulating Resilience: Adaptive Locomotion of Wheeled Tensegrity Robot. <i>Electronics (Switzerland)</i> , 2022, 11, 666.	3.1	2
18	Nanosatellite attitude air bearing system using variable structure control. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	Bayesian Decision Making for Planetary Micro-Rovers. , 2012, , .		1
20	An Adaptable Robotic Snake Using a Compliant Actuated Tensegrity Structure for Locomotion. Lecture Notes in Computer Science, 2020, , 70-74.	1.3	1
21	FPGA hardware nonlinear control design for modular CubeSat attitude control system. , 2015, , .		0
22	A Novel Connection Mechanism for Dynamically Reconfigurable Modular Robots. , 2022, , .		0