

Francesco Branz

List of Publications by Year in descending order

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24
papers

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24
all docs

24
docs citations

24
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Drive-by-Wi-Fi: Model-Based Control Over Wireless at 1 kHz. IEEE Transactions on Control Systems Technology, 2022, 30, 1078-1089.	5.2	4
2	Development and test of a robotic arm for experiments on close proximity operations. Acta Astronautica, 2022, 195, 287-294.	3.2	9
3	High-Precision Dual-Stage Pointing Mechanism for Miniature Satellite Laser Communication Terminals. IEEE Transactions on Industrial Electronics, 2021, 68, 776-785.	7.9	12
4	Acquisition Analysis for Small-Satellite Optical Crosslinks. , 2021, , .		0
5	Characterization of a new positioning sensor for space capture. , 2021, , .		3
6	Ground Facility for Validation of Proximity Operations: a Hardware-in-the-Loop Experiment. , 2020, , .		2
7	Time-Critical Wireless Networked Embedded Systems: Feasibility and Experimental Assessment. IEEE Transactions on Industrial Informatics, 2020, 16, 7732-7742.	11.3	7
8	Miniature docking mechanism for CubeSats. Acta Astronautica, 2020, 176, 510-519.	3.2	23
9	LaserCube optical communication terminal for nano and micro satellites. Acta Astronautica, 2020, 173, 310-319.	3.2	14
10	1 kHz Remote Control of a Balancing Robot with Wi-Fi-in-the-Loop. IFAC-PapersOnLine, 2020, 53, 2614-2619.	0.9	2
11	Drive-by-Wi-Fi: testing 1 kHz control experiments over wireless. , 2019, , .		3
12	Embedded systems for time-critical applications over Wi-Fi: design and experimental assessment. , 2019, , .		2
13	A relative navigation sensor for CubeSats based on LED fiducial markers. Acta Astronautica, 2018, 146, 206-215.	3.2	17
14	A relative navigation sensor for CubeSats based on retro-reflective markers. , 2017, , .		2
15	Experimental evaluation of a Dielectric Elastomer robotic arm for space applications. Acta Astronautica, 2017, 133, 324-333.	3.2	13
16	Modelling and control of double-cone dielectric elastomer actuator. Smart Materials and Structures, 2016, 25, 095040.	3.5	36
17	Kinematics and control of redundant robotic arm based on dielectric elastomer actuators. Proceedings of SPIE, 2015, , .	0.8	2
18	ARCADE-R2 experiment on board BEXUS 17 stratospheric balloon. CEAS Space Journal, 2015, 7, 347-358.	2.3	14

#	ARTICLE	IF	CITATIONS
19	Low-cost relative navigation sensors for miniature spacecraft and drones. , 2015, , .		6
20	Design of an innovative dielectric elastomer actuator for space applications. , 2014, , .		1
21	Morphing electroadhesive interface to manipulate uncooperative objects. Proceedings of SPIE, 2014, , .	0.8	5
22	Active debris multi-removal mission concept based on hybrid propulsion. Acta Astronautica, 2014, 103, 26-35.	3.2	24
23	2D Close-Range Navigation Sensor for Miniature Cooperative Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 160-169.	4.7	8
24	Active space debris removal by a hybrid propulsion module. Acta Astronautica, 2013, 91, 20-33.	3.2	65