

Francesco Branz

List of Publications by Year in descending order

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24
papers

274
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1040056

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230
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Active space debris removal by a hybrid propulsion module. Acta Astronautica, 2013, 91, 20-33. | 3.2 | 65 |
| 2 | Modelling and control of double-cone dielectric elastomer actuator. Smart Materials and Structures, 2016, 25, 095040. | 3.5 | 36 |
| 3 | Active debris multi-removal mission concept based on hybrid propulsion. Acta Astronautica, 2014, 103, 26-35. | 3.2 | 24 |
| 4 | Miniature docking mechanism for CubeSats. Acta Astronautica, 2020, 176, 510-519. | 3.2 | 23 |
| 5 | A relative navigation sensor for CubeSats based on LED fiducial markers. Acta Astronautica, 2018, 146, 206-215. | 3.2 | 17 |
| 6 | ARCADE-R2 experiment on board BEXUS 17 stratospheric balloon. CEAS Space Journal, 2015, 7, 347-358. | 2.3 | 14 |
| 7 | LaserCube optical communication terminal for nano and micro satellites. Acta Astronautica, 2020, 173, 310-319. | 3.2 | 14 |
| 8 | Experimental evaluation of a Dielectric Elastomer robotic arm for space applications. Acta Astronautica, 2017, 133, 324-333. | 3.2 | 13 |
| 9 | High-Precision Dual-Stage Pointing Mechanism for Miniature Satellite Laser Communication Terminals. IEEE Transactions on Industrial Electronics, 2021, 68, 776-785. | 7.9 | 12 |
| 10 | Development and test of a robotic arm for experiments on close proximity operations. Acta Astronautica, 2022, 195, 287-294. | 3.2 | 9 |
| 11 | 2D Close-Range Navigation Sensor for Miniature Cooperative Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 160-169. | 4.7 | 8 |
| 12 | Time-Critical Wireless Networked Embedded Systems: Feasibility and Experimental Assessment. IEEE Transactions on Industrial Informatics, 2020, 16, 7732-7742. | 11.3 | 7 |
| 13 | Low-cost relative navigation sensors for miniature spacecraft and drones. , 2015, , . | | 6 |
| 14 | Morphing electroadhesive interface to manipulate uncooperative objects. Proceedings of SPIE, 2014, , . | 0.8 | 5 |
| 15 | 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 |
| 16 | Drive-by-Wi-Fi: testing 1 kHz control experiments over wireless. , 2019, , . | | 3 |
| 17 | Characterization of a new positioning sensor for space capture. , 2021, , . | | 3 |
| 18 | Kinematics and control of redundant robotic arm based on dielectric elastomer actuators. Proceedings of SPIE, 2015, , . | 0.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A relative navigation sensor for CubeSats based on retro-reflective markers. , 2017, , . | | 2 |
| 20 | Embedded systems for time-critical applications over Wi-Fi: design and experimental assessment. , 2019, , . | | 2 |
| 21 | Ground Facility for Validation of Proximity Operations: a Hardware-in-the-Loop Experiment. , 2020, , . | | 2 |
| 22 | 1 kHz Remote Control of a Balancing Robot with Wi-Fi-in-the-Loop. IFAC-PapersOnLine, 2020, 53, 2614-2619. | 0.9 | 2 |
| 23 | Design of an innovative dielectric elastomer actuator for space applications. , 2014, , . | | 1 |
| 24 | Acquisition Analysis for Small-Satellite Optical Crosslinks. , 2021, , . | | 0 |