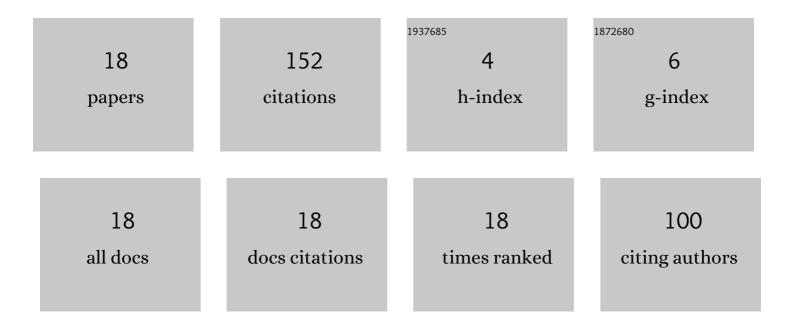
Tomasz Barciński

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Dynamic compensation of load cell response: A time-varying approach. Mechanical Systems and Signal Processing, 2008, 22, 1694-1704. | 8.0 | 51 |
| 2 | Application of a planar air-bearing microgravity simulator for demonstration of operations required for an orbital capture with a manipulator. Acta Astronautica, 2019, 155, 211-229. | 3.2 | 33 |
| 3 | Experimental investigations of thermal properties of icy lunar regolith and their influence on phase change interface movement. Planetary and Space Science, 2021, 200, 105197. | 1.7 | 16 |
| 4 | Experimental demonstration of singularity avoidance with trajectories based on the Bézier curves for free-floating manipulator. , 2013, , . | | 14 |
| 5 | Controlled zero dynamics feedback linearization with application to free-floating redundant orbital manipulator. , 2013, , . | | 11 |
| 6 | Numerical simulations and analytical analyses of the orbital capture manoeuvre as a part of the manipulator-equipped servicing satellite design. , 2012, , . | | 9 |
| 7 | Analyses of a Free-Floating Manipulator Control Scheme Based on the Fixed-Base Jacobian with Spacecraft Velocity Feedback. GeoPlanet: Earth and Planetary Sciences, 2015, , 59-69. | 0.2 | 4 |
| 8 | 2D Microgravity Test-Bed for the Validation of Space Robot Control Algorithms. Journal of Automation, Mobile Robotics and Intelligent Systems, 2017, 11, 95-104. | 0.4 | 4 |
| 9 | Singularities in feedback linearisation of an underactuated 3-link pendulum. , 2011, , . | | 2 |
| 10 | Detumbling of highly non-symmetrical satellites with use of B-dot control law. , 2013, , . | | 2 |
| 11 | Lie groups approach to space robots kinematics modelling. , 2014, , . | | 2 |
| 12 | The prototype of space manipulator WMS LEMUR dedicated to capture tumbling satellites in on-orbit environment. , 2017, , . | | 2 |
| 13 | Vibro-acoustic response of spacecraft instrument subjected to diffuse sound field: Numerical simulations and experimental verification. Applied Acoustics, 2021, 184, 108338. | 3.3 | 1 |
| 14 | Infinite-dimensional Sylvester equation in observers design. , 2007, , . | | 1 |
| 15 | Simulation and Visualization of Attitude Control System Operations for BRITE-PL Satellite. GeoPlanet: Earth and Planetary Sciences, 2013, , 21-33. | 0.2 | 0 |
| 16 | Planetary penetrator electromagnetic drive design concept. , 2019, , . | | 0 |
| 17 | Electronic box structural analyses for a space flight. , 2019, , . | | 0 |
| | | | |

18 Planetary penetrator control electronics design concept. , 2019, , .

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