

# Krzysztof S Sibilski

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

100  
citations

1684129

5  
h-index

1588975

8  
g-index

37  
all docs

37  
docs citations

37  
times ranked

66  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Bifurcation Flight Dynamic Analysis of a Strake-Wing Micro Aerial Vehicle. Applied Sciences (Switzerland), 2021, 11, 1524.  | 2.5 | 5         |
| 2  | Ground Speed Optical Estimator for Miniature UAV. Sensors, 2021, 21, 2754.  | 3.8 | 3         |
| 3  | Identification of Fixed-Wing Micro Aerial Vehicle Aerodynamic Derivatives from Dynamic Water Tunnel Tests. Aerospace, 2020, 7, 116.   | 2.2 | 9         |
| 4  | The Study of Aircraft Accidents Causes by Computer Simulations. Aerospace, 2020, 7, 41.   | 2.2 | 5         |
| 5  | Methodology for Conducting Preliminary and State Tests of an Aerial Jet Target Set. Journal of KONBiN, 2020, 50, 305-318.   | 0.4 | 0         |
| 6  | Mechanical and structural investigations of wings of selected insect species. Acta of Bioengineering and Biomechanics, 2020, 22, 199-209.   | 0.4 | 0         |
| 7  | Nonlinear model predictive control of spacecraft relative motion. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 3906-3919. | 1.3 | 2         |
| 8  | Take-off and landing magnetic system for UAV carriers. Journal of Marine Engineering and Technology, 2017, 16, 298-304.   | 4.1 | 6         |
| 9  | D-Optimal Simultaneous Multistep Excitations for Aircraft Parameter Estimation. Journal of Aircraft, 2017, 54, 747-758.   | 2.4 | 20        |
| 10 | Simultaneous Multi-step Excitations for Aircraft System Identification. , 2016, , .   |     | 1         |
| 11 | Experimental and Numerical Investigation of Entomopter Flapping Wings Aerodynamic Performance. , 2016, , .  |     | 2         |
| 12 | The Gust Resistant MAV - Aerodynamic Measurements, Performance Analysis, and Flight Tests. , 2015, , .  |     | 6         |
| 13 | STUDIES AND TESTS OF MICRO AERIAL VEHICLE DURING FLIGHT. Journal of KONES, 2015, 22, 155-162.   | 0.2 | 1         |
| 14 | Spacecraft Rendezvous in Elliptical Orbit using Nonlinear Model Predictive Control. , 2014, , .   |     | 1         |
| 15 | Neural Model of an Entomopter Aerodynamics. , 2014, , .   |     | 0         |
| 16 | Control Algorithms for Satellite Rendezvous Maneuver in Elliptical Orbit. , 2014, , .   |     | 0         |
| 17 | Modeling and Simulation of Flapping Wings Entomopter in Martian Atmosphere. GeoPlanet: Earth and Planetary Sciences, 2013, , 143-162.   | 0.2 | 3         |
| 18 | Modeling, Simulation and Control of Microelectromechanical Flying Insect. Solid State Phenomena, 2013, 198, 206-219.  | 0.3 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 3D Attitude Estimation in Indoor Environments with a Complementary Filter for the Special Orthogonal Group SO(3). Solid State Phenomena, 2013, 198, 153-158.                              | 0.3 | 1         |
| 20 | Influence of Cruise Flight Speed of Entomompter on Aerodynamics Loads. , 2013, , .  |     | 2         |
| 21 | Prediction of Aircraft Spin Characteristics by Continuation And Bifurcation Methos. , 2012, , .   |     | 0         |
| 22 | Water tunnel experimental investigation on the aerodynamic performance of flapping wings for nano air vehicles. , 2011, , .   |     | 3         |
| 23 | The Influence of Free-Play and Friction in Elevator Control System on Aircraft Dynamics. , 2010, , .  |     | 1         |
| 24 | Some Thoughts on Aircraft Accidents Reconstruction and Simulation: a Forensic Engineering Case Studies. , 2008, , .   |     | 2         |
| 25 | Analysis of the Sensitivity of Aircraft Flight Control at High Angles of Attack. , 2008, , .  |     | 0         |
| 26 | Entomopter Maneuverability Exchanged by Deformations Control of Flexible Flapping Wings. Journal of KONBiN, 2008, 8, 93-102.  | 0.4 | 0         |
| 27 | PREDICTION OF HELICOPTER CRITICAL FLIGHT REGIMEN BY CONTINUATION AND BIFURCATION METHODS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 437-442. | 0.4 | 0         |
| 28 | Entomopter Manoeuvrability Enhancement by Deformations Control of Flexible Flapping Wings. , 2007, , .  |     | 1         |
| 29 | Biomimic Sensors Guided Flight Stability and Control for Flapping Wings Autonomous Micro Air Vehicles (Entomopter). , 2007, , .   |     | 5         |
| 30 | A Neural Model of Coefficients of Forces and Moments of Aerodynamic Forces for a Turboprop Aircraft. , 2006, , .  |     | 3         |
| 31 | The Bifurcation Tailoring for Nonlinear Entomopter Control. , 2006, , .   |     | 0         |
| 32 | An Inverse Simulation Study on Wing Adapter Kit Dynamics and Control in Prescribed Trajectory Flight. , 2006, , .   |     | 2         |
| 33 | Numerical Investigation of the Flight Dynamics of an Agile Aircraft. , 2005, , .  |     | 0         |
| 34 | Sensitivity Analysis for Dynamic Models of Aerial Munitions. , 2004, , .  |     | 1         |
| 35 | Problems of Manoeuvring at Post-Critical Angles of Attack - Continuation and Bifurcation Methods Approach. , 2003, , .  |     | 5         |
| 36 | Modelling and Simulation of Flapping Wing Control for a Micromechanical Flying Insect (Entomopter). , 2002, , .   |     | 10        |