

Matthew James Marino

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

463
citations

933447

10
h-index

794594

19
g-index

33
all docs

33
docs citations

33
times ranked

401
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ten questions concerning the use of drones in urban environments. Building and Environment, 2020, 167, 106458. | 6.9 | 73 |
| 2 | Measuring wind with Small Unmanned Aircraft Systems. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 176, 197-210. | 3.9 | 60 |
| 3 | Hybrid-electric propulsion integration in unmanned aircraft. Energy, 2017, 140, 1407-1416. | 8.8 | 57 |
| 4 | An Evaluation of Multi-Rotor Unmanned Aircraft as Flying Wind Sensors. International Journal of Micro Air Vehicles, 2015, 7, 285-299. | 1.3 | 38 |
| 5 | Bioinspired Wing-Surface Pressure Sensing for Attitude Control of Micro Air Vehicles. Journal of Aircraft, 2015, 52, 827-838. | 2.4 | 31 |
| 6 | Hybrid Propulsion Systems for Remotely Piloted Aircraft Systems. Aerospace, 2018, 5, 34. | 2.2 | 25 |
| 7 | Influence of Large-Scale Freestream Turbulence on the Performance of a Thin Airfoil. AIAA Journal, 2012, 50, 2448-2459. | 2.6 | 22 |
| 8 | Dynamic Sensitivity to Atmospheric Turbulence of Unmanned Air Vehicles with Varying Configuration. Journal of Aircraft, 2010, 47, 1873-1883. | 2.4 | 19 |
| 9 | Unconventional control solutions for small fixed wing unmanned aircraft. Progress in Aerospace Sciences, 2018, 102, 122-135. | 12.1 | 14 |
| 10 | Emulating avian orographic soaring with a small autonomous glider. Bioinspiration and Biomimetics, 2016, 11, 016002. | 2.9 | 13 |
| 11 | Particle filter based multi-sensor data fusion techniques for RPAS navigation and guidance. , 2015, , . | | 11 |
| 12 | Wind-tunnel and CFD investigations of UAV landing gears and turrets "Improvements in empirical drag estimation. Aerospace Science and Technology, 2020, 107, 106306. | 4.8 | 10 |
| 13 | The flow over a thin airfoil subjected to elevated levels of freestream turbulence at low Reynolds numbers. Experiments in Fluids, 2012, 53, 637-653. | 2.4 | 9 |
| 14 | Avian-inspired energy-harvesting from atmospheric phenomena for small UAVs. Bioinspiration and Biomimetics, 2019, 14, 016006. | 2.9 | 9 |
| 15 | Low Reynolds number aerodynamics of leading-edge and trailing-edge hinged control surfaces: Part I statics. Aerospace Science and Technology, 2020, 99, 105563. | 4.8 | 8 |
| 16 | Full configuration drag estimation of short-to-medium range fixed-wing UAVs and its impact on initial sizing optimization. CEAS Aeronautical Journal, 2021, 12, 589-603. | 1.7 | 8 |
| 17 | 4-Dimensional trajectory optimisation algorithm for air traffic management systems. , 2016, , . | | 7 |
| 18 | Unsteady pressure measurements on a MAV wing for the design of a turbulence mitigation system. , 2014, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Development of a Turbo Electric Distribution System for Remotely Piloted Aircraft Systems. Journal of Aerospace Technology and Management, 0, 13, . | 0.3 | 6 |
| 20 | Sensing Unsteady Pressure on MAV Wings: A New Method for Turbulence Alleviation. Applied Mechanics and Materials, 2014, 629, 48-54. | 0.2 | 5 |
| 21 | Automated ATM System Enabling 4DT-Based Operations. , 0, , . | | 4 |
| 22 | UNDERSTANDING BOX WING AIRCRAFT: ESSENTIAL TECHNOLOGY TO IMPROVE SUSTAINABILITY IN THE AVIATION INDUSTRY. Aviation, 2016, 20, 129-136. | 0.9 | 4 |
| 23 | Multi-objective 4D Trajectory Optimization for Online Strategic and Tactical Air Traffic Management. , 2016, , 185-200. | | 3 |
| 24 | Modelling and Evaluation of Persistent Contrail Formation Regions for Offline and Online Strategic Flight Trajectory Planning. , 2016, , 243-277. | | 3 |
| 25 | On the Use of Infrared Thermography for Boundary Layer Analysis. , 2019, , . | | 2 |
| 26 | Real-Time System Identification for Fixed and Rotary Wing Aircraft. , 2019, , . | | 1 |
| 27 | Lift response of rapidly actuated leading-edge and trailing-edge control surfaces for MAVs. , 2019, , . | | 1 |
| 28 | AERODYNAMIC PERFORMANCE AND FLOW STRUCTURE OVER A THIN AIRFOIL UNDER SMOOTH AND TURBULENT CONDITIONS AT LOW REYNOLDS NUMBERS. Journal of Flow Visualization and Image Processing, 2011, 18, 253-274. | 0.5 | 1 |
| 29 | The effects of tube deformities on the dynamic calibration of a tubing system. , 2015, , . | | 0 |
| 30 | Upstream Wind Sensing for Small Unmanned Aerial Vehicles. , 2018, , . | | 0 |
| 31 | Aerodynamic Investigations of UAV Sensor Turrets - A Combined Wind-tunnel and CFD Approach. , 2021, , . | | 0 |