

Matthew James Marino

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

463
citations

933447

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794594

19
g-index

33
all docs

33
docs citations

33
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerodynamic Investigations of UAV Sensor Turrets - A Combined Wind-tunnel and CFD Approach. , 2021, , .		0
2	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
3	Ten questions concerning the use of drones in urban environments. Building and Environment, 2020, 167, 106458.	6.9	73
4	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
5	Wind-tunnel and CFD investigations of UAV landing gears and turrets â€œ Improvements in empirical drag estimation. Aerospace Science and Technology, 2020, 107, 106306.	4.8	10
6	Real-Time System Identification for Fixed and Rotary Wing Aircraft. , 2019, , .		1
7	On the Use of Infrared Thermography for Boundary Layer Analysis. , 2019, , .		2
8	Lift response of rapidly actuated leading-edge and trailing-edge control surfaces for MAVs. , 2019, , .		1
9	Avian-inspired energy-harvesting from atmospheric phenomena for small UAVs. Bioinspiration and Biomimetics, 2019, 14, 016006.	2.9	9
10	Measuring wind with Small Unmanned Aircraft Systems. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 176, 197-210.	3.9	60
11	Upstream Wind Sensing for Small Unmanned Aerial Vehicles. , 2018, , .		0
12	Unconventional control solutions for small fixed wing unmanned aircraft. Progress in Aerospace Sciences, 2018, 102, 122-135.	12.1	14
13	Hybrid Propulsion Systems for Remotely Piloted Aircraft Systems. Aerospace, 2018, 5, 34.	2.2	25
14	Hybrid-electric propulsion integration in unmanned aircraft. Energy, 2017, 140, 1407-1416.	8.8	57
15	UNDERSTANDING BOX WING AIRCRAFT: ESSENTIAL TECHNOLOGY TO IMPROVE SUSTAINABILITY IN THE AVIATION INDUSTRY. Aviation, 2016, 20, 129-136.	0.9	4
16	4-Dimensional trajectory optimisation algorithm for air traffic management systems. , 2016, , .		7
17	Multi-objective 4D Trajectory Optimization for Online Strategic and Tactical Air Traffic Management. , 2016, , 185-200.		3
18	Modelling and Evaluation of Persistent Contrail Formation Regions for Offline and Online Strategic Flight Trajectory Planning. , 2016, , 243-277.		3

#	ARTICLE	IF	CITATIONS
19	Emulating avian orographic soaring with a small autonomous glider. <i>Bioinspiration and Biomimetics</i> , 2016, 11, 016002.	2.9	13
20	Bioinspired Wing-Surface Pressure Sensing for Attitude Control of Micro Air Vehicles. <i>Journal of Aircraft</i> , 2015, 52, 827-838.	2.4	31
21	The effects of tube deformities on the dynamic calibration of a tubing system. , 2015, , .		0
22	An Evaluation of Multi-Rotor Unmanned Aircraft as Flying Wind Sensors. <i>International Journal of Micro Air Vehicles</i> , 2015, 7, 285-299.	1.3	38
23	Particle filter based multi-sensor data fusion techniques for RPAS navigation and guidance. , 2015, , .		11
24	Unsteady pressure measurements on a MAV wing for the design of a turbulence mitigation system. , 2014, , .		6
25	Sensing Unsteady Pressure on MAV Wings: A New Method for Turbulence Alleviation. <i>Applied Mechanics and Materials</i> , 2014, 629, 48-54.	0.2	5
26	Influence of Large-Scale Freestream Turbulence on the Performance of a Thin Airfoil. <i>AIAA Journal</i> , 2012, 50, 2448-2459.	2.6	22
27	The flow over a thin airfoil subjected to elevated levels of freestream turbulence at low Reynolds numbers. <i>Experiments in Fluids</i> , 2012, 53, 637-653.	2.4	9
28	AERODYNAMIC PERFORMANCE AND FLOW STRUCTURE OVER A THIN AIRFOIL UNDER SMOOTH AND TURBULENT CONDITIONS AT LOW REYNOLDS NUMBERS. <i>Journal of Flow Visualization and Image Processing</i> , 2011, 18, 253-274.	0.5	1
29	Dynamic Sensitivity to Atmospheric Turbulence of Unmanned Air Vehicles with Varying Configuration. <i>Journal of Aircraft</i> , 2010, 47, 1873-1883.	2.4	19
30	Automated ATM System Enabling 4DT-Based Operations. , 0, , .		4
31	Development of a Turbo Electric Distribution System for Remotely Piloted Aircraft Systems. <i>Journal of Aerospace Technology and Management</i> , 0, 13, .	0.3	6