

Irma ChacÃ³n

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

130
citations

1937685

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1281871

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29
all docs

29
docs citations

29
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection Criteria for Biplane Wing Geometries by Means of 2D Wind Tunnel Tests. Applied Mechanics, 2022, 3, 628-648.	1.5	0
2	Numerical and Experimental Study of Aerodynamic Performances of a Morphing Micro Air Vehicle. Applied Mechanics, 2021, 2, 442-461.	1.5	2
3	Optimization of a columnar vortex generator installed over an aircraft carrier ski-jump ramp. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 223-230.	0.5	3
4	Model of the flow on Columnar vortex generator. Fluid Dynamics Research, 2020, 52, 025506.	1.3	1
5	Balance measurements on a frigate type ship model. Ocean Engineering, 2020, 213, 107784.	4.3	0
6	Aerodynamic Investigation of a Morphing Wing for Micro Air Vehicle by Means of PIV. Fluids, 2020, 5, 191.	1.7	3
7	PIV helicopter rotor-ground and rotor-frigate interaction study. , 2020, , .		2
8	Boundary layer of the aerial platform probe section in C-212. , 2020, , .		1
9	Mars 2020 Wind Velocity Measurement Interferences at High Reynolds Numbers. Journal of Spacecraft and Rockets, 2020, 57, 354-363.	1.9	1
10	Fourier series applied to the Calibration Functions of Mars 2020 rover wind measurements at high Reynolds. , 2020, , .		0
11	Analysis of the tip vortex in the wake of a bioinspired morphing MAV. , 2020, , .		0
12	Aerodynamic optimization over helicopter flight-deck of a simplified frigate model using bubble-shaped hangars. , 2020, , .		2
13	Basis of a Bubble Air Filter to be Embarked in Aerial Investigation Platforms. , 2020, , .		1
14	Flow Control Devices in Cities for Urban Air Mobility. , 2020, , .		1
15	Impacts of Saharan Dust Intrusions on Bacterial Communities of the Low Troposphere. Scientific Reports, 2020, 10, 6837.	3.3	26
16	Characterization of an electrostatic filter prototype for bioaerosol flowmetering for INTA Investigation Aerial Platforms. Flow Measurement and Instrumentation, 2019, 68, 101586.	2.0	3
17	Interferences in the Wind Velocities Measurements in the Mars 2020 Rover at High Reynolds number. , 2019, , .		0
18	Experimental Determination of Profile and Induced Drag Components in a Biomimetic Design MAV with Grids. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Study of Aerodynamic Performances of a Biologically Inspired Micro-UAV by Wind Tunnel Testing. , 2019, , .		1
20	Development and characterization of a low-cost wind tunnel balance for aerodynamic drag measurements. European Journal of Physics, 2019, 40, 045002.	0.6	1
21	Columnar vortex generator for flow control over a ski-jump ramp. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 1156-1168.	2.8	5
22	Aerodynamic effect of the aircraft carrier island on flight deck flow with cross wind. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2018, 232, 145-154.	0.5	4
23	Aerodynamic Flow Field above the Flight Deck of an Aircraft Carrier and its Influence on the Take-Off Performances. , 2018, , .		1
24	Smart materials applied in a micro remotely piloted aircraft system with morphing wing. Journal of Intelligent Material Systems and Structures, 2018, 29, 3317-3332.	2.5	6
25	LDA characterization of the Mars 2020 rover influence on the wind measurements at low Reynolds. , 2018, , .		3
26	Characterization of the flow around the Mars 2020 Rover. , 2017, , .		3
27	3D Backward-Facing Step Flow Structure Modification with Plasma Actuators. International Review of Aerospace Engineering, 2017, 10, 14.	0.3	2
28	Flow Separation Control with a Plasma Actuator Over a Metallic NACA 4418. International Review of Aerospace Engineering, 2017, 10, 308.	0.3	0
29	Comparison of BEM and CFD results for MEXICO rotor aerodynamics. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 145, 115-122.	3.9	58