

Irma ChacÃ³n

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

130
citations

1937685

4
h-index

1281871

11
g-index

29
all docs

29
docs citations

29
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of BEM and CFD results for MEXICO rotor aerodynamics. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 145, 115-122.	3.9	58
2	Impacts of Saharan Dust Intrusions on Bacterial Communities of the Low Troposphere. Scientific Reports, 2020, 10, 6837.	3.3	26
3	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
4	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
5	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
6	Characterization of the flow around the Mars 2020 Rover. , 2017, , .		3
7	LDA characterization of the Mars 2020 rover influence on the wind measurements at low Reynolds. , 2018, , .		3
8	Characterization of an electrostatic filter prototype for bioaerosol flowmetering for INTA Investigation Aerial Platforms. Flow Measurement and Instrumentation, 2019, 68, 101586.	2.0	3
9	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
10	Aerodynamic Investigation of a Morphing Wing for Micro Air Vehicle by Means of PIV. Fluids, 2020, 5, 191.	1.7	3
11	PIV helicopter rotor-ground and rotor-frigate interaction study. , 2020, , .		2
12	Aerodynamic optimization over helicopter flight-deck of a simplified frigate model using bubble-shaped hangars. , 2020, , .		2
13	Numerical and Experimental Study of Aerodynamic Performances of a Morphing Micro Air Vehicle. Applied Mechanics, 2021, 2, 442-461.	1.5	2
14	3D Backward-Facing Step Flow Structure Modification with Plasma Actuators. International Review of Aerospace Engineering, 2017, 10, 14.	0.3	2
15	Aerodynamic Flow Field above the Flight Deck of an Aircraft Carrier and its Influence on the Take-Off Performances. , 2018, , .		1
16	Study of Aerodynamic Performances of a Biologically Inspired Micro-UAV by Wind Tunnel Testing. , 2019, , .		1
17	Development and characterization of a low-cost wind tunnel balance for aerodynamic drag measurements. European Journal of Physics, 2019, 40, 045002.	0.6	1
18	Model of the flow on Columnar vortex generator. Fluid Dynamics Research, 2020, 52, 025506.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Boundary layer of the aerial platform probe section in C-212. , 2020, , .		1
20	Mars 2020ÃWind Velocity Measurement Interferences at High Reynolds Numbers. Journal of Spacecraft and Rockets, 2020, 57, 354-363.	1.9	1
21	Basis of a Bubble Air Filter to be Embarked in Aerial Investigation Platforms. , 2020, , .		1
22	Flow Control Devices in Cities for Urban Air Mobility. , 2020, , .		1
23	Interferences in the Wind Velocities Measurements in the Mars 2020 Rover at High Reynolds number. , 2019, , .		0
24	Experimental Determination of Profile and Induced Drag Components in a Biomimetic Design MAV with Grids. , 2019, , .		0
25	Balance measurements on a frigate type ship model. Ocean Engineering, 2020, 213, 107784.	4.3	0
26	Fourier series applied to the Calibration Functions of Mars 2020 rover wind measurements at high Reynolds. , 2020, , .		0
27	Analysis of the tip vortex in the wake of a bioinspired morphing MAV. , 2020, , .		0
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	Selection Criteria for Biplane Wing Geometries by Means of 2D Wind Tunnel Tests. Applied Mechanics, 2022, 3, 628-648.	1.5	0