

Pietro Catalano

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

758
citations

1307594

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1474206

9
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29
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496
citing authors

#	ARTICLE	IF	CITATIONS
1	CIRA contribution to the first AIAA Ice Prediction Workshop. , 2022, , .		6
2	Analysis of riblets performance in pressure gradient flow by Large Eddy Simulation. , 2020, , .		0
3	Performance Improvements of a Regional Aircraft by Riblets and Natural Laminar Flow. Journal of Aircraft, 2020, 57, 29-40.	2.4	21
4	Large Eddy Simulations and RANS models for airfoils at low Reynolds number.. , 2020, , .		0
5	Effect of body shape on riblets performance. Physical Review Fluids, 2020, 5, .	2.5	6
6	Validation of Intermittency Model for Transition Prediction in a RANS Flow Solver. , 2018, , .		5
7	Effects of riblets on the performances of a regional aircraft configuration in NLF conditions. , 2018, , .		5
8	A conservative sliding mesh coupling procedure for U-RANS flow simulations. Aircraft Engineering and Aerospace Technology, 2016, 88, 151-158.	0.8	7
9	Performance Assessment of a Transonic Wingâ€œBody Configuration with Riblets Installed. Journal of Aircraft, 2016, 53, 129-140.	2.4	32
10	On the implementation of a turbulence model for low Reynolds number flows. Computers and Fluids, 2015, 109, 67-71.	2.5	25
11	Optimization by CFD analyses of riblet distribution over a transonic civil aircraft configuration. , 2014, , .		0
12	USV3 Aerodynamics Assessment: a Step Forward in the Ongoing Design Phase. , 2014, , .		2
13	Effects of High Voltage Pulsed DBD on the Aerodynamic Performances in Subsonic and Transonic Conditions. , 2013, , .		13
14	A Numerical Method to Detect Laminar Separation Bubbles over Airfoils. , 2013, , .		3
15	RANS analysis of the low-Reynolds number flow around the SD7003 airfoil. Aerospace Science and Technology, 2011, 15, 615-626.	4.8	61
16	Numerical Analysis of the Flow Around the SD 7003 Airfoil. , 2010, , .		8
17	Turbulence Modeling for Low-Reynolds-Number Flows. AIAA Journal, 2010, 48, 1673-1685.	2.6	56
18	Influence of Free-Stream Turbulence on Simulations of Laminar Separation Bubbles. , 2009, , .		14

#	ARTICLE	IF	CITATIONS
19	Numerical Investigation of the Flow around the Ahmed Model. , 2007, , .		1
20	Improved CFD Predictions for High Lift Flows in the European Project EUROLIFT II. , 2007, , .		21
21	Sensitivity study with global and high resolution meteorological model. , 2007, , 197-206.		2
22	Ground-to-Flight Extrapolation of the Aerodynamic Coefficients of the VEGA Launcher. , 2006, , .		5
23	U-RANS Modelling of Turbulent Flows Controlled by Synthetic Jets. , 2005, , .		20
24	RANS Simulations of the Flow Past a Launcher Configuration in Motor-On Conditions. , 2005, , .		1
25	RANS Modeling and Simulations of Synthetic Jets. , 2004, , .		11
26	U-ZEN: A Computational Tool Solving U-Rans Equations for Industrial Unsteady Applications. , 2004, , .		38
27	Numerical simulation of the flow around a circular cylinder at high Reynolds numbers. International Journal of Heat and Fluid Flow, 2003, 24, 463-469.	2.4	253
28	An evaluation of RANS turbulence modelling for aerodynamic applications. Aerospace Science and Technology, 2003, 7, 493-509.	4.8	137
29	Model for Enhancing Turbulent Production in Laminar Separation Bubbles. AIAA Journal, 0, , 1-15.	2.6	5