Yvan Maciel

List of Publications by Year
in descending order

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23	339	759233 12	888059 17
papers	citations	h-index	g-index

25	25	25	217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-Similarity in the Outer Region of Adverse-Pressure-Gradient Turbulent Boundary Layers. AIAA Journal, 2006, 44, 2450-2464.	2.6	54
2	Scaling and statistics of large-defect adverse pressure gradient turbulent boundary layers. International Journal of Heat and Fluid Flow, 2016, 59, 109-124.	2.4	36
3	Outer scales and parameters of adverse-pressure-gradient turbulent boundaryÂlayers. Journal of Fluid Mechanics, 2018, 844, 5-35.	3.4	32
4	A study of a turbulent boundary layer in stalled-airfoil-type flow conditions. Experiments in Fluids, 2006, 41, 573-590.	2.4	31
5	A method for characterizing cross-sections of vortices in turbulent flows. International Journal of Heat and Fluid Flow, 2012, 37, 177-188.	2.4	31
6	Coherent Structures in a Non-equilibrium Large-Velocity-Defect Turbulent Boundary Layer. Flow, Turbulence and Combustion, 2017, 98, 1-20.	2.6	26
7	Low- and high-speed structures in the outer region of an adverse-pressure-gradient turbulent boundary layer. Experimental Thermal and Fluid Science, 2011, 35, 1575-1587.	2.7	18
8	Investigation of Flow Separation in a Diffuser of a Bulb Turbine. Journal of Fluids Engineering, Transactions of the ASME, 2016, 138, .	1.5	17
9	Near-field dynamics of a turbulent round jet with moderate swirl. International Journal of Heat and Fluid Flow, 2008, 29, 675-686.	2.4	14
10	Analysis of a Turbulent Boundary Layer Subjected to a Strong Adverse Pressure Gradient. Journal of Physics: Conference Series, 2014, 506, 012007.	0.4	14
11	Structural differences between small and large momentum-defect turbulent boundary layers. International Journal of Heat and Fluid Flow, 2017, 67, 95-110.	2.4	14
12	Derivation of Zagarola-Smits scaling in zero-pressure-gradient turbulent boundary layers. Physical Review Fluids, 2018, 3, .	2.5	13
13	Unsteady flow separation in a turbine diffuser. Experiments in Fluids, 2015, 56, 1.	2.4	12
14	Fully Developed Turbulent Channel Flow Subject to System Rotation. , 2003, , .		7
15	Secondary flow and roll cells interaction in high-aspect-ratio rotating turbulent duct flows. International Journal of Computational Fluid Dynamics, 2008, 22, 19-28.	1.2	7
16	Integral analysis of boundary layer flows with pressure gradient. Physical Review Fluids, 2017, 2, .	2.5	7
17	A New Approach Based on a Multiobjective Evolutionary Algorithm for Accurate Control of Flow Rate and Blood Pressure in Cardiac Bioreactors. Cardiovascular Engineering and Technology, 2020, 11, 84-95.	1.6	3
18	A Study of a Separated Turbulent Boundary Layer in Stalled-Airfoil-Type Flow Conditions. , 2005, , .		2

#	Article	IF	Citations
19	Airfoil-Type Separated Boundary Layer Generated on a Wind-Tunnel Floor. , 2003, , .		0
20	Coherent structures in a zero-pressure-gradient and a strongly decelerated boundary layer. Journal of Physics: Conference Series, 2016, 708, 012013.	0.4	0
21	Governing Parameters of Adverse Pressure Gradient Turbulent Boundary Layers. , 2018, , .		0
22	Reynolds shear-stress carrying structures in shear-dominated flows. Journal of Physics: Conference Series, 2020, 1522, 012009.	0.4	0
23	Energy Transfer in Turbulent Boundary Layers with Adverse Pressure Gradient. Springer Proceedings in Physics, 2021, , 181-186.	0.2	0