Valentina Motta

List of Publications by Year
in descending order

17 papers	140 citations	1478505 6 h-index	1474206 9 g-index
17 all docs	17 docs citations	17 times ranked	138 citing authors

#	Article	IF	Citations
1	Comparison of different plasma actuation strategies for aeroelastic control on a linear compressor cascade. Aerospace Science and Technology, 2021, 117, 106902.	4.8	15
2	Dataset of numerical simulations for aeroelastic control of an aero engine compressor cascade using plasma actuators. Data in Brief, 2021, 39, 107584.	1.0	0
3	Influence of actuation parameters of multi-DBD plasma actuators on the static and dynamic behaviour of an airfoil in unsteady flow. Aerospace Science and Technology, 2020, 96, 105587.	4.8	39
4	Data regarding the computational fluid dynamics simulations of an airfoil with plasma actuator in unsteady flow. Data in Brief, 2020, 29, 105286.	1.0	0
5	A Physically Consistent Reduced Order Model for Plasma Aeroelastic Control on Compressor Blades. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	2
6	Open-loop and closed-loop flow control based on Van der Pol modeling. Acta Mechanica, 2018, 229, 389-401.	2.1	3
7	Aeroelastic Control on Compressor Blades With Virtual Control Surfaces: A Numerical Assessment. , 2018, , .		1
8	Numerical Assessment of Virtual Control Surfaces for Load Alleviation on Compressor Blades. Applied Sciences (Switzerland), 2018, 8, 125.	2.5	4
9	A Physically Consistent Reduced Order Model for Plasma Aeroelastic Control on Compressor Blades. , 2018, , .		0
10	Numerical assessment of an L-shaped Gurney flap for load control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 951-975.	1.3	6
11	Numerical Assessment of Virtual Control Surfaces for Compressor Blades. , 2017, , .		4
12	Discrete Time Open-Loop and Closed-Loop Flow Control Based on Van der Pol Modeling. , 2016, , .		4
13	Influence of airfoil thickness on unsteady aerodynamic loads on pitching airfoils. Journal of Fluid Mechanics, 2015, 774, 460-487.	3.4	22
14	Active Control on Helicopter Blades with a L-Shaped Gurney Flap. , 2015, , .		0
15	Linear Reduced-Order Model for Unsteady Aerodynamics of an L-Shaped Gurney Flap. Journal of Aircraft, 2015, 52, 1887-1904.	2.4	14
16	Physically-based reduced order model for unsteady aerodynamic loads of a L-shaped Gurney flap. , 2014, , .		1
17	Three-dimensional simulation of a complete Vertical Axis Wind Turbine using overlapping grids. Journal of Computational and Applied Mathematics, 2014, 270, 78-87.	2.0	25