Nagabhushana Rao Vadlamani

List of Publications by Year
in descending order

20	310	1163117	1199594
papers	citations	8	12
		h-index	g-index

20	20	20	168
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distributed Roughness Effects on Transitional and Turbulent Boundary Layers. Flow, Turbulence and Combustion, 2018, 100, 627-649.	2.6	51
2	Numerical investigation of secondary flows in a high-lift low pressure turbine. International Journal of Heat and Fluid Flow, 2017, 63, 149-157.	2.4	50
3	Turbomachinery simulation challenges and the future. Progress in Aerospace Sciences, 2019, 110, 100554.	12.1	44
4	Large eddy simulations in low-pressure turbines: Effect of wakes at elevated free-stream turbulence. International Journal of Heat and Fluid Flow, 2013, 43, 85-95.	2.4	35
5	Fanâ€"Intake Interaction Under High Incidence. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	29
6	Effect of Fan on Inlet Distortion: Mixed-Fidelity Approach. AIAA Journal, 2018, 56, 2350-2360.	2.6	18
7	Toward Future Installations: Mutual Interactions of Short Intakes With Modern High Bypass Fans. Journal of Turbomachinery, 2019, 141, .	1.7	14
8	Wall-resolved large eddy simulation for aeroengine aeroacoustic investigation. Aeronautical Journal, 2017, 121, 1032-1050.	1.6	13
9	Fan-Intake Interaction Under High Incidence. , 2016, , .		9
10	Improved Hierarchical Modelling for Aerodynamically Coupled Systems. , 2017, , .		9
11	Comparative Studies of RANS Versus Large Eddy Simulation for Fanâ€"Intake Interaction. Journal of Fluids Engineering, Transactions of the ASME, 2019, 141, .	1.5	8
12	LES for Turbines: Methodologies, Cost and Future Outlooks. , 2013, , .		7
13	A Mixed-Fidelity Numerical Study for Fanâ€"Distortion Interaction. Journal of Turbomachinery, 2018, 140, .	1.7	5
14	Quasi 3D Nacelle Design to Simulate Crosswind Flows: Merits and Challenges. International Journal of Turbomachinery, Propulsion and Power, 2019, 4, 25.	1.1	5
15	Hierarchical geometry modelling using the immersed boundary method. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 323-348.	6.6	4
16	Entropically Damped Artificial Compressibility Solver Using Higher Order Finite Difference Schemes on Curvilinear and Deforming Meshes. , 2021, , .		4
17	Surface Roughness Benefits in Open Cavity Flows. , 2022, , .		2
18	A Mixed-Fidelity Numerical Study for Fan-Distortion Interaction. , 2018, , .		1

#	Article	IF	Citations
19	On the efficacy of riblets toward drag reduction of transitional and turbulent boundary layers. , 2022, , .		1
20	Dynamics of Bypass Transition with roughness and pulses of free-stream turbulence. , 2022, , .		1