

# Nagabhushana Rao Vadlamani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6447918/publications.pdf>

Version: 2024-02-01

20  
papers

310  
citations

1163117

8  
h-index

1199594

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Roughness Benefits in Open Cavity Flows. , 2022, , .		2
2	On the efficacy of riblets toward drag reduction of transitional and turbulent boundary layers. , 2022, , .		1
3	Dynamics of Bypass Transition with roughness and pulses of free-stream turbulence. , 2022, , .		1
4	Entropically Damped Artificial Compressibility Solver Using Higher Order Finite Difference Schemes on Curvilinear and Deforming Meshes. , 2021, , .		4
5	Turbomachinery simulation challenges and the future. Progress in Aerospace Sciences, 2019, 110, 100554.	12.1	44
6	Hierarchical geometry modelling using the immersed boundary method. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 323-348.	6.6	4
7	Quasi 3D Nacelle Design to Simulate Crosswind Flows: Merits and Challenges. International Journal of Turbomachinery, Propulsion and Power, 2019, 4, 25.	1.1	5
8	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
9	Toward Future Installations: Mutual Interactions of Short Intakes With Modern High Bypass Fans. Journal of Turbomachinery, 2019, 141, .	1.7	14
10	Effect of Fan on Inlet Distortion: Mixed-Fidelity Approach. AIAA Journal, 2018, 56, 2350-2360.	2.6	18
11	Distributed Roughness Effects on Transitional and Turbulent Boundary Layers. Flow, Turbulence and Combustion, 2018, 100, 627-649.	2.6	51
12	A Mixed-Fidelity Numerical Study for Fan-Distortion Interaction. , 2018, , .		1
13	A Mixed-Fidelity Numerical Study for Fanâ€™Distortion Interaction. Journal of Turbomachinery, 2018, 140, .	1.7	5
14	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
15	Fanâ€™Intake Interaction Under High Incidence. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	29
16	Improved Hierarchical Modelling for Aerodynamically Coupled Systems. , 2017, , .		9
17	Wall-resolved large eddy simulation for aeroengine aeroacoustic investigation. Aeronautical Journal, 2017, 121, 1032-1050.	1.6	13
18	Fan-Intake Interaction Under High Incidence. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
19	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
20	LES for Turbines: Methodologies, Cost and Future Outlooks. , 2013, , .		7