

Ling Zhou

List of Publications by Year in descending order

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81
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved $k\text{-}\epsilon\text{-}\Gamma^3$ model for crossflow-induced transition prediction in hypersonic flow. International Journal of Heat and Mass Transfer, 2017, 115, 115-130.	4.8	30
2	A combined criteria-based method for hypersonic three-dimensional boundary layer transition prediction. Aerospace Science and Technology, 2018, 73, 105-117.	4.8	20
3	Full blended blade and endwall design of a compressor cascade. Chinese Journal of Aeronautics, 2021, 34, 79-93.	5.3	19
4	Corner stall control in linear compressor cascade by blended blade and endwall technique based on large eddy simulation. Physics of Fluids, 2021, 33, .	4.0	15
5	Use of Blended Blade and End Wall method in compressor cascades: Definition and mechanism comparisons. Aerospace Science and Technology, 2019, 92, 738-749.	4.8	13
6	Application of Improved $k\text{-}\epsilon\text{-}\Gamma^3$ Transition Model to Hypersonic Complex Configurations. AIAA Journal, 2019, 57, 2214-2221.	2.6	11
7	Effects of different blended blade tip and winglets on aerodynamic and aeroacoustic performances of diagonal fans. Aerospace Science and Technology, 2020, 106, 106200.	4.8	11
8	Large eddy simulation and combined control of corner separation in a compressor cascade. Physics of Fluids, 2022, 34, .	4.0	11
9	Effect of blended blade tip and winglet on aerodynamic and aeroacoustic performances of a diagonal fan. Aerospace Science and Technology, 2020, 98, 105688.	4.8	10
10	Design Optimization of a Blended Blade and Endwall in a Compressor Cascade. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	10
11	Development of a boundary layer parameters identification method for transition prediction with complex grids. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 2068-2084.	1.3	8
12	Effect of a blade end slot on supersonic compressor cascade hub-corner separation. Aerospace Science and Technology, 2021, 118, 107032.	4.8	6
13	Influence of sub boundary layer vortex generator height and attack angle on cross-flows in the hub region of compressors. Chinese Journal of Aeronautics, 2022, 35, 30-44.	5.3	5
14	Numerical research on the trailing-edge sweep of supersonic/transonic turbines. Aerospace Science and Technology, 2020, 99, 105696.	4.8	4
15	Impacts of Tandem Configurations on the Aerodynamic Performance of an Axial Supersonic Through-Flow Fan Cascade. Journal of Turbomachinery, 2022, 144, .	1.7	4
16	A $\lambda\text{-}\epsilon$ Laminar + Transition Criteria Model for Hypersonic Three-Dimensional Boundary Layer Transition Prediction. Applied Mechanics and Materials, 0, 798, 627-631.	0.2	2
17	Investigation of all-speed schemes for turbulent simulations with low-speed features. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 757-770.	1.3	1
18	Study of hypersonic boundary layer transition with different reynolds numbers. , 2016, , .		0