

Wuli Chu

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

192
citations

1307594

7
h-index

1125743

13
g-index

29
all docs

29
docs citations

29
times ranked

103
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of the unsteady tip leakage flow and rotating stall inception in a transonic compressor. <i>Journal of Thermal Science</i> , 2010, 19, 310-317.	1.9	30
2	Numerical Investigations of the Coupled Flow Through a Subsonic Compressor Rotor and Axial Skewed Slot. <i>Journal of Turbomachinery</i> , 2009, 131, .	1.7	23
3	Numerical investigation of inlet boundary layer skew in axial-flow compressor cascade and the corresponding non-axisymmetric end wall profiling. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2014, 228, 638-656.	1.4	22
4	The effect of injector size on compressor performance in a transonic axial compressor with discrete tip injection. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2014, 228, 760-771.	1.4	12
5	Vibroacoustic Optimization Study for the Volute Casing of a Centrifugal Fan. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 859.	2.5	12
6	Effective end wall profiling rules for a highly loaded compressor cascade. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2016, 230, 535-553.	1.4	11
7	Effects of modified micro-vortex generators on aerodynamic performance in a high-load compressor cascade. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2019, 233, 309-323.	1.4	10
8	Mechanism study of performance enhancement in a subsonic axial flow compressor with recirculating casing treatment. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018, 232, 680-693.	1.3	7
9	Flow mechanism of affecting an axial flow compressor performance and stability with cross-blade slot casing treatments. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2019, 233, 17-36.	1.4	7
10	Study of the performance and internal flow in centrifugal pump with grooved volute casing. <i>Modern Physics Letters B</i> , 2020, 34, 2050268.	1.9	7
11	Numerical investigation on the effect of a plenum chamber with slot-type casing treatment on the performance of an axial transonic compressor. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2015, 229, 393-405.	1.4	6
12	Experimental study of self-recirculating casing treatment in a subsonic axial flow compressor. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2016, 230, 805-818.	1.4	6
13	Uncertainty analysis of global and local performance impact of inflow and geometric uncertainties using sparse grid-based non-intrusive polynomial chaos. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 1239-1256.	1.4	6
14	Mechanism of affecting the axial rotor stability and performance with center offset degrees of axial skewed slots. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020, 234, 330-341.	1.3	5
15	Mechanism of Affecting the Performance and Stability of an Axial Flow Compressor with Inlet Distortion. <i>Journal of Thermal Science</i> , 2021, 30, 1406-1420.	1.9	5
16	Comparative Study of Tip Injection in a Transonic and Subsonic Compressor. <i>Journal of Turbomachinery</i> , 2022, 144, .	1.7	5
17	Rotating Instabilities in a Low-Speed Single Compressor Rotor Row with Varying Blade Tip Clearance. <i>Energies</i> , 2021, 14, 8369.	3.1	5
18	Effect Mechanism and Performance Evaluation of Flange Contact Thermal Resistance in an Aero-Engine. <i>Aerospace</i> , 2022, 9, 121.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Effects of segmented layer suction and micro-vortex generator on a high-load compressor cascade performance. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622098050.	2.1	2
20	Assessment of improved delayed detached eddy simulation in predicting unsteady flows and sound around a circular cylinder. Modern Physics Letters B, 2021, 35, 2150384.	1.9	2
21	Influence of grooved volute casing parameters on pressure pulsation and erosion wear characteristics in a centrifugal pump. Modern Physics Letters B, 2022, 36, .	1.9	2
22	Effect of different radial skewed angles of reversed blade-angle slot casing treatment on transonic axial flow compressor stability. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1617-1632.	1.3	2
23	Investigation of stall recovery potential in a transonic compressor rotor. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 171-184.	1.4	1
24	The Investigation of a New End Wall Contouring Method for Axial Compressors. Applied Sciences (Switzerland), 2022, 12, 4828.	2.5	1
25	Influence of Moving End-wall on Tip Clearance Flow in Axial Compressor Cascades. , 2006, , .		0
26	Flow Control by Slot Position and Noise Baffle in a Self-Recirculation Casing Treatment on an Axial Fan-Rotor. International Journal of Rotating Machinery, 2017, 2017, 1-18.	0.8	0
27	Numerical study of volute casing vibro-acoustics in a marine centrifugal fan. Australian Journal of Mechanical Engineering, 2021, 19, 502-520.	2.1	0
28	A study of sound sources and unsteady surface pressure in an axial fan. Modern Physics Letters B, 0, , 2150267.	1.9	0
29	Numerical Investigation into a New Method of Non-Axisymmetric End Wall Contouring for Axial Compressors. Energies, 2022, 15, 3305.	3.1	0