

Guoping Huang

List of Publications by Year in descending order

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papers

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840776

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g-index

49
all docs

49
docs citations

49
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of pulsed suction flow control behavior based on a nonlinear reduced-order model. <i>Aerospace Science and Technology</i> , 2022, 122, 107410.	4.8	2
2	Numerical Investigation on a Axial Slot Casing Treatment of a Large Circumferential Interval and Small Opening Area. <i>Energies</i> , 2021, 14, 6181.	3.1	2
3	Hypersonic pressure-controllable bump based on an improved permeable-boundary method. <i>Aerospace Science and Technology</i> , 2021, 119, 107132.	4.8	1
4	Flow structure of the ridge integrated submerged inlet. <i>Aerospace Science and Technology</i> , 2021, 119, 107136.	4.8	6
5	Preliminary study on pulsed jets with three-dimensional effects for flow separation control in a compressor blade. <i>Aerospace Science and Technology</i> , 2021, 117, 106966.	4.8	3
6	A low-loss vector exhaust guide vanes and its application. <i>Aerospace Science and Technology</i> , 2021, 117, 106948.	4.8	1
7	Spillage-Adaptive Fixed-Geometry Bump Inlet of Wide Speed Range. <i>Aerospace</i> , 2021, 8, 340.	2.2	3
8	Effects of tip-jet on the performance of a ducted fan. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020, 234, 508-521.	1.3	1
9	3D inverse method of characteristics for hypersonic bump-inlet integration. <i>Acta Astronautica</i> , 2020, 166, 11-22.	3.2	16
10	A new unsteady casing treatment for micro centrifugal compressors to enlarge stall margin. <i>Aerospace Science and Technology</i> , 2020, 106, 106176.	4.8	8
11	Experiment and numerical investigation of flow control on a supersonic inlet diffuser. <i>Aerospace Science and Technology</i> , 2020, 106, 106182.	4.8	23
12	Dynamic Mode Decomposition Analysis of Flow Separation in a Diffuser to Inform Flow Control Strategies. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	1.5	4
13	Investigations of tip-jet and exhaust jet development in a ducted fan. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 2443-2454.	5.3	4
14	Bi-global stability analysis in curvilinear coordinates. <i>Physics of Fluids</i> , 2019, 31, 105105.	4.0	3
15	Numerical Investigation of a New Unsteady Control Method to Suppress Tip Clearance Flow in Compressors. , 2019, , .		0
16	Numerical Investigations of a Tip Turbine Aerodynamic Design in a Propulsion System for VTOL Vehicles. <i>Energies</i> , 2019, 12, 3003.	3.1	1
17	Spatio-temporal dynamic mode decomposition in a shear layer flow. <i>Aerospace Science and Technology</i> , 2019, 91, 263-271.	4.8	14
18	Thermodynamic and Aerodynamic Analysis of an Air-Driven Fan System in Low-Cost High-Bypass-Ratio Turbofan Engine. <i>Energies</i> , 2019, 12, 1917.	3.1	5

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19	Flow Characteristics of Centrifugal Compressor Stage Under Low Reynolds Number. Lecture Notes in Electrical Engineering, 2019, , 513-522.	0.4	0
20	Aerodynamic characteristics of a tip-jet fan with a large blade pitch angle. Aerospace Science and Technology, 2019, 91, 49-58.	4.8	13
21	Interpretation of Four Unique Phenomena and the Mechanism in Unsteady Flow Separation Controls. Energies, 2019, 12, 587.	3.1	8
22	Flow Separation Control in a Curved Diffuser with Rigid Traveling Wave Wall and Its Mechanism. Energies, 2019, 12, 192.	3.1	7
23	Numerical Investigation of a New Unsteady Control Method to Suppress Tip Flow Separation in Compressors. , 2019, , .		0
24	A pressure-controllable bump based on the pressure-ridge concept. Aerospace Science and Technology, 2019, 87, 133-140.	4.8	6
25	Analysis of the heat transfer in the asynchronous intermittent laminar flow for mini channels in the recuperator for micro swing engines. International Journal of Heat and Mass Transfer, 2019, 135, 199-208.	4.8	5
26	Numerical Simulation of Variable-Geometry TBCC Inlet with Smoothly Slid Mechanism. , 2019, , .		0
27	Design method of internal waverider inlet under non-uniform upstream for inlet/forebody integration. Aerospace Science and Technology, 2018, 74, 160-172.	4.8	32
28	Study on the new hybrid thermodynamic cycle for an improved micro swing engine with heat recovery process. Applied Thermal Engineering, 2018, 129, 1135-1149.	6.0	11
29	Feasible Concept of an Air-Driven Fan with a Tip Turbine for a High-Bypass Propulsion System. Energies, 2018, 11, 3350.	3.1	4
30	Introduction of DMD Method to Study the Dynamic Structures of a Three-Dimensional Centrifugal Compressor with and without Flow Control. Energies, 2018, 11, 3098.	3.1	13
31	A Micro Swing Rotor Engine and the Preliminary Study of Its Thermodynamic Characteristics. Energies, 2018, 11, 2684.	3.1	1
32	Propulsive Efficiency of Ridge/Inlet Configuration. International Journal of Aerospace Engineering, 2018, 2018, 1-17.	0.9	3
33	Numerical investigations of ducted fan aerodynamic performance with tip-jet. Aerospace Science and Technology, 2018, 78, 510-521.	4.8	18
34	Numerical investigation of bleeding control method on section-controllable wavecatcher intakes. Acta Astronautica, 2018, 151, 572-584.	3.2	15
35	Inverse design and Mach 6 experimental investigation of a pressure controllable bump. Aerospace Science and Technology, 2018, 81, 204-212.	4.8	15
36	The Effects of Periodic Suction on Separated Flow in Diffuser. , 2017, , .		1

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37	Study on a Subsonic Micro-Centrifugal Compressor Stall Mechanism. , 2017, , .		1
38	A nonlinear dynamic model for unsteady separated flow control and its mechanism Analysis. Journal of Fluid Mechanics, 2017, 826, 942-974.	3.4	23
39	Research on Pulsed Jet Flow Control without External Energy in a Blade Cascade. Energies, 2017, 10, 2004.	3.1	10
40	Investigation of internal-waverider-inlet flow pattern integrated with variable-geometry for TBCC. Aerospace Science and Technology, 2016, 59, 69-77.	4.8	29
41	Effect of Vaned Diffuser on a Small Centrifugal Impeller Performance. , 2014, , .		0
42	Research on windmill starting characteristics of MTE-D micro turbine engine. Chinese Journal of Aeronautics, 2013, 26, 858-867.	5.3	3
43	Use of POD Method to Elucidate the Physics of Unsteady Micro-Pulsed-Jet Flow for Boundary Layer Flow Separation Control. , 2013, , .		1
44	Study on Micro-Turbine Engine's Characteristics During Windmill Starting Process. , 2012, , .		0
45	Flow Analysis and Improvement of a Micro Transonic Compressor Impeller. , 2011, , .		1
46	A New Micro Turbo-Machinery Test Facility. , 2010, , .		0
47	Development of a New-Style Micro Diffuser. , 2009, , .		1
48	Characteristics of gas-driven fan propulsion system for fixed-wing vertical take-off and landing aircraft. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110251.	1.3	0
49	Duffing's van der Pol nonlinear reduced-order model for explaining the phenomena and mechanism in pulsed jet flow separation control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110689.	1.3	0