

# Guoping Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

318  
citations

840776

11  
h-index

940533

16  
g-index

49  
all docs

49  
docs citations

49  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design method of internal waverider inlet under non-uniform upstream for inlet/forebody integration. <i>Aerospace Science and Technology</i> , 2018, 74, 160-172.	4.8	32
2	Investigation of internal-waverider-inlet flow pattern integrated with variable-geometry for TBCC. <i>Aerospace Science and Technology</i> , 2016, 59, 69-77.	4.8	29
3	A nonlinear dynamic model for unsteady separated flow control and its mechanism Analysis. <i>Journal of Fluid Mechanics</i> , 2017, 826, 942-974.	3.4	23
4	Experiment and numerical investigation of flow control on a supersonic inlet diffuser. <i>Aerospace Science and Technology</i> , 2020, 106, 106182.	4.8	23
5	Numerical investigations of ducted fan aerodynamic performance with tip-jet. <i>Aerospace Science and Technology</i> , 2018, 78, 510-521.	4.8	18
6	3D inverse method of characteristics for hypersonic bump-inlet integration. <i>Acta Astronautica</i> , 2020, 166, 11-22.	3.2	16
7	Numerical investigation of bleeding control method on section-controllable wavecatcher intakes. <i>Acta Astronautica</i> , 2018, 151, 572-584.	3.2	15
8	Inverse design and Mach 6 experimental investigation of a pressure controllable bump. <i>Aerospace Science and Technology</i> , 2018, 81, 204-212.	4.8	15
9	Spatio-temporal dynamic mode decomposition in a shear layer flow. <i>Aerospace Science and Technology</i> , 2019, 91, 263-271.	4.8	14
10	Introduction of DMD Method to Study the Dynamic Structures of a Three-Dimensional Centrifugal Compressor with and without Flow Control. <i>Energies</i> , 2018, 11, 3098.	3.1	13
11	Aerodynamic characteristics of a tip-jet fan with a large blade pitch angle. <i>Aerospace Science and Technology</i> , 2019, 91, 49-58.	4.8	13
12	Study on the new hybrid thermodynamic cycle for an improved micro swing engine with heat recovery process. <i>Applied Thermal Engineering</i> , 2018, 129, 1135-1149.	6.0	11
13	Research on Pulsed Jet Flow Control without External Energy in a Blade Cascade. <i>Energies</i> , 2017, 10, 2004.	3.1	10
14	Interpretation of Four Unique Phenomena and the Mechanism in Unsteady Flow Separation Controls. <i>Energies</i> , 2019, 12, 587.	3.1	8
15	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
16	Flow Separation Control in a Curved Diffuser with Rigid Traveling Wave Wall and Its Mechanism. <i>Energies</i> , 2019, 12, 192.	3.1	7
17	A pressure-controllable bump based on the pressure-ridge concept. <i>Aerospace Science and Technology</i> , 2019, 87, 133-140.	4.8	6
18	Flow structure of the ridge integrated submerged inlet. <i>Aerospace Science and Technology</i> , 2021, 119, 107136.	4.8	6

#	ARTICLE	IF	CITATIONS
19	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
20	Analysis of the heat transfer in the asynchronous intermittent laminar flow for mini channels in the recuperator for micro swing engines. <i>International Journal of Heat and Mass Transfer</i> , 2019, 135, 199-208.	4.8	5
21	Feasible Concept of an Air-Driven Fan with a Tip Turbine for a High-Bypass Propulsion System. <i>Energies</i> , 2018, 11, 3350.	3.1	4
22	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
23	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
24	Research on windmill starting characteristics of MTE-D micro turbine engine. <i>Chinese Journal of Aeronautics</i> , 2013, 26, 858-867.	5.3	3
25	Propulsive Efficiency of Ridge/Inlet Configuration. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-17.	0.9	3
26	Bi-global stability analysis in curvilinear coordinates. <i>Physics of Fluids</i> , 2019, 31, 105105.	4.0	3
27	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
28	Spillage-Adaptive Fixed-Geometry Bump Inlet of Wide Speed Range. <i>Aerospace</i> , 2021, 8, 340.	2.2	3
29	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
30	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
31	Flow Analysis and Improvement of a Micro Transonic Compressor Impeller. , 2011, , .		1
32	Use of POD Method to Elucidate the Physics of Unsteady Micro-Pulsed-Jet Flow for Boundary Layer Flow Separation Control. , 2013, , .		1
33	The Effects of Periodic Suction on Separated Flow in Diffuser. , 2017, , .		1
34	Study on a Subsonic Micro-Centrifugal Compressor Stall Mechanism. , 2017, , .		1
35	A Micro Swing Rotor Engine and the Preliminary Study of Its Thermodynamic Characteristics. <i>Energies</i> , 2018, 11, 2684.	3.1	1
36	Numerical Investigations of a Tip Turbine Aerodynamic Design in a Propulsion System for VTOL Vehicles. <i>Energies</i> , 2019, 12, 3003.	3.1	1

#	ARTICLE	IF	CITATIONS
37	Effects of tip-jet on the performance of a ducted fan. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 508-521.	1.3	1
38	Hypersonic pressure-controllable bump based on an improved permeable-boundary method. Aerospace Science and Technology, 2021, 119, 107132.	4.8	1
39	A low-loss vector exhaust guide vanes and its application. Aerospace Science and Technology, 2021, 117, 106948.	4.8	1
40	Development of a New-Style Micro Diffuser. , 2009, , .		1
41	A New Micro Turbo-Machinery Test Facility. , 2010, , .		0
42	Study on Micro-Turbine Engine's Characteristics During Windmill Starting Process. , 2012, , .		0
43	Effect of Vaned Diffuser on a Small Centrifugal Impeller Performance. , 2014, , .		0
44	Numerical Investigation of a New Unsteady Control Method to Suppress Tip Clearance Flow in Compressors. , 2019, , .		0
45	Flow Characteristics of Centrifugal Compressor Stage Under Low Reynolds Number. Lecture Notes in Electrical Engineering, 2019, , 513-522.	0.4	0
46	Numerical Investigation of a New Unsteady Control Method to Suppress Tip Flow Separation in Compressors. , 2019, , .		0
47	Numerical Simulation of Variable-Geometry TBCC Inlet with Smoothly Slid Mechanism. , 2019, , .		0
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