

# Hui-jun Tan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1248063/publications.pdf>

Version: 2024-02-01

31  
papers

592  
citations

623734

14  
h-index

610901

24  
g-index

31  
all docs

31  
docs citations

31  
times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Investigation of the Unstart Process of a Generic Hypersonic Inlet. <i>AIAA Journal</i> , 2011, 49, 279-288.	2.6	102
2	Letter: Görtler-like vortices in an impinging shock wave/turbulent boundary layer interaction flow. <i>Physics of Fluids</i> , 2018, 30, .	4.0	45
3	Influence of Expansion Waves on Cowl Shock/Boundary Layer Interaction in Hypersonic Inlets. <i>Journal of Propulsion and Power</i> , 2014, 30, 1183-1191.	2.2	41
4	Evolution of supersonic corner vortex in a hypersonic inlet/isolator model. <i>Physics of Fluids</i> , 2016, 28, .	4.0	33
5	Throttling Process and Buzz Mechanism of a Supersonic Inlet at Overspeed Mode. <i>AIAA Journal</i> , 2018, 56, 1953-1964.	2.6	33
6	Buzz Flows in an External-Compression Inlet with Partially Isentropic Compression. <i>AIAA Journal</i> , 2017, 55, 4286-4295.	2.6	32
7	Unstart Process of a Rectangular Hypersonic Inlet at Different Mach Numbers. <i>AIAA Journal</i> , 2016, 54, 3681-3691.	2.6	31
8	Control of Shock/Boundary-Layer Interaction for Hypersonic Inlets by Highly Swept Microramps. <i>Journal of Propulsion and Power</i> , 2015, 31, 133-143.	2.2	29
9	Control of Cowl Shock/Boundary-Layer Interaction in Hypersonic Inlets by Bump. <i>AIAA Journal</i> , 2015, 53, 3492-3496.	2.6	28
10	Unthrottled Flows with Complex Background Waves in Curved Isolators. <i>AIAA Journal</i> , 2017, 55, 2942-2955.	2.6	25
11	Letter: Transient interaction between plasma jet and supersonic compression ramp flow. <i>Physics of Fluids</i> , 2018, 30, .	4.0	24
12	Influence of Secondary Flow Injection Angle on a Fluidic Shock Control Technique. <i>Journal of Propulsion and Power</i> , 2015, 31, 674-684.	2.2	19
13	High resolution visualization of Görtler-like vortices in supersonic compression ramp flow. <i>Journal of Visualization</i> , 2017, 20, 505-508.	1.8	19
14	Flow response hysteresis of throat regulation process of a two-dimensional mixed-compression supersonic inlet. <i>Chinese Journal of Aeronautics</i> , 2022, 35, 112-127.	5.3	19
15	Buzz flow diversity in a supersonic inlet ingesting strong shear layers. <i>Aerospace Science and Technology</i> , 2019, 95, 105471.	4.8	14
16	A new concept and preliminary study of variable hypersonic inlet with fixed geometry based on shockwave control. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 644-657.	0.9	12
17	Fractal characteristics of turbulent–non-turbulent interface in supersonic turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2018, 843, .	3.4	12
18	Letter: Evolution of coherent vortical structures in a shock wave/turbulent boundary-layer interaction flow. <i>Physics of Fluids</i> , 2018, 30, .	4.0	12

#	ARTICLE	IF	CITATIONS
19	Transient Flow Patterns of Multiple Plasma Synthetic Jets Under Different Ambient Pressures. <i>Flow, Turbulence and Combustion</i> , 2018, 101, 741-757.	2.6	10
20	Fractal features of turbulent/non-turbulent interface in a shock wave/turbulent boundary-layer interaction flow. <i>Journal of Fluid Mechanics</i> , 2019, 869, .	3.4	9
21	Flow patterns of dual-incident shock waves/turbulent boundary layer interaction. <i>Journal of Visualization</i> , 2020, 23, 931-935.	1.8	8
22	Comparative study on single-incident and dual-incident shock wave/turbulent boundary layer interactions with identical total deflection angle. <i>Journal of Fluid Mechanics</i> , 2022, 940, .	3.4	8
23	Visualization of conical vortex and shock in swept shock/turbulent boundary layer interaction flow. <i>Journal of Visualization</i> , 2018, 21, 909-914.	1.8	6
24	Visualization of curved swept shock wave/turbulent boundary layer interaction in supersonic flow. <i>Journal of Visualization</i> , 2021, 24, 1-7.	1.8	5
25	Oscillations in Rectangular Supersonic Inlets with Large Internal Contraction Ratio. <i>AIAA Journal</i> , 2022, 60, 4628-4638.	2.6	4
26	Throttling Characteristics of a Supersonic Variable Inlet at Different Internal Contraction Ratios. <i>AIAA Journal</i> , 2022, 60, 5203-5214.	2.6	4
27	Flowfield of a helicopter submerged inlet with power output shaft. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2021, 37, 156-168.	3.4	3
28	Experimental investigation of dual swept shock wave/boundary layer interactions. <i>Journal of Visualization</i> , 2021, 24, 1115-1122.	1.8	3
29	Novel Radial Basis Function Network Based on Dynamic Time Warping and Kalman Filter for Real-Time Monitoring of Supersonic Inlet Flow Patterns. <i>Journal of Aerospace Engineering</i> , 2021, 34, .	1.4	2
30	Coupling level-set with volume-of-fluid for interface computation of incompressible gas-liquid flows. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622210814.	2.1	0
31	Supersonic inlet flow recognition by hybrid-mutation non-dominated sorting genetic algorithm with support vector machines. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering</i> , 0, , 095441002210975.	1.3	0