

# Jie Ren

## List of Publications by Year in descending order

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23  
papers

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citations

1307594

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1058476

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g-index

25  
all docs

25  
docs citations

25  
times ranked

136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Image-based flow decomposition using empirical wavelet transform. Journal of Fluid Mechanics, 2021, 906, .	3.4	6
2	Hypersonic attachment-line instabilities with large sweep Mach numbers. Journal of Fluid Mechanics, 2021, 915, .	3.4	6
3	Receptivity and stability of hypersonic leading-edge sweep flows around a blunt body. Journal of Fluid Mechanics, 2021, 916, .	3.4	6
4	Model reduction of traveling-wave problems via Radon cumulative distribution transform. Physical Review Fluids, 2021, 6, .	2.5	4
5	A hybrid solution for offshore wind resource assessment from limited onshore measurements. Applied Energy, 2021, 298, 117245.	10.1	5
6	Bypass transition in flow over a vibrating flat plate. Journal of Fluid Mechanics, 2021, 909, .	3.4	5
7	Drag increment induced by a small-scale forward-facing step in Mach number 5 turbulent boundary layer flows. Chinese Journal of Aeronautics, 2020, 33, 2491-2498.	5.3	5
8	Boundary-layer stability of supercritical fluids in the vicinity of the Widom line. Journal of Fluid Mechanics, 2019, 871, 831-864.	3.4	25
9	Linear instability of Poiseuille flows with highly non-ideal fluids. Journal of Fluid Mechanics, 2019, 859, 89-125.	3.4	16
10	Linear Instability. Springer Theses, 2018, , 29-50.	0.1	0
11	Secondary Instability. Springer Theses, 2018, , 51-72.	0.1	0
12	Stabilization of the Hypersonic Boundary Layer. Springer Theses, 2018, , 73-86.	0.1	0
13	Effect of pressure gradient on the stability of hypersonic boundary layer flows. , 2017, , .		2
14	Stabilization of the hypersonic boundary layer by finite-amplitude streaks. Physics of Fluids, 2016, 28, .	4.0	26
15	Secondary instabilities of Görtler vortices in high-speed boundary layer flows. , 2016, , .		1
16	Stabilization of the Hypersonic Boundary Layer by Finite-Amplitude Streaks. , 2016, , .		0
17	Secondary instabilities of Görtler vortices in high-speed boundary layer flows. Journal of Fluid Mechanics, 2015, 781, 388-421.	3.4	75
18	Study of the Discrete Spectrum in a Mach 4.5 Görtler Flow. Flow, Turbulence and Combustion, 2015, 94, 339-357.	2.6	23

#	ARTICLE	IF	CITATIONS
19	The role of Görtler vortices in the hypersonic boundary layer transition. , 2014, , .		1
20	Floquet analysis of fundamental, subharmonic and detuned secondary instabilities of Görtler vortices. Science China: Physics, Mechanics and Astronomy, 2014, 57, 555-561.	5.1	15
21	Competition of the multiple Görtler modes in hypersonic boundary layer flows. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1178-1193.	5.1	29
22	Nonlinear Development of the Multiple Gortler Modes in Hypersonic Boundary Layer Flows. , 2013, , .		6
23	Multiple Görtler Modes in Compressible Boundary Layer Flows. , 2012, , .		5