Li Weipeng

List of Publications by Year
in descending order

21 papers	381 citations	840776 11 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	271 citing authors

#	Article	IF	Citations
1	Decomposition of the mean skin-friction drag in compressible turbulent channel flows. Journal of Fluid Mechanics, 2019, 875, 101-123.	3.4	63
2	Identity of attached eddies in turbulent channel flows with bidimensional empirical mode decomposition. Journal of Fluid Mechanics, 2019, 870, 1037-1071.	3.4	48
3	Decomposition of the mean friction drag in zero-pressure-gradient turbulent boundary layers. Physics of Fluids, 2019, 31, .	4.0	35
4	On the feedback mechanism in supersonic cavity flows. Physics of Fluids, 2013, 25, .	4.0	32
5	Large-eddy simulation of shock-wave/boundary-layer interaction control using a backward facing step. Aerospace Science and Technology, 2019, 84, 1011-1019.	4.8	27
6	On the structure of streamwise wall-shear stress fluctuations in turbulent channel flows. Journal of Fluid Mechanics, 2020, 903, .	3.4	24
7	Feedback Mechanism in Supersonic Laminar Cavity Flows. AIAA Journal, 2013, 51, 253-257.	2.6	23
8	Uncovering Townsendâ€™s wall-attached eddies in low-Reynolds-number wall turbulence. Journal of Fluid Mechanics, 2020, 889, .	3.4	23
9	Mechanism of controlling supersonic cavity oscillations using upstream mass injection. Physics of Fluids, 2013, 25, .	4.0	22
10	Effects of the Reynolds number on the mean skin friction decomposition in turbulent channel flows. Applied Mathematics and Mechanics (English Edition), 2019, 40, 331-342.	3.6	19
11	Decomposition of the mean friction drag in adverse-pressure-gradient turbulent boundary layers. Physical Review Fluids, 2020, 5, .	2.5	18
12	Decomposition of the mean friction drag on an NACA4412 airfoil under uniform blowing/suction. Journal of Fluid Mechanics, 2022, 932, .	3.4	13
13	Two-point statistics of coherent structures in turbulent flow over riblet-mounted surfaces. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 457-471.	3.4	10
14	On the mechanism of acoustic resonances from a leading-edge slat. Aerospace Science and Technology, 2021, 113, 106711.	4.8	8
15	Turbulence statistics of flow over a drag-reducing and a drag-increasing riblet-mounted surface. Aerospace Science and Technology, 2020, 104, 106003.	4.8	6
16	Three-Dimensional Shock-Wave/Boundary-Layer Interaction in Supersonic Flow Past a Finite-Span Sharp Wedge. International Journal of Aeronautical and Space Sciences, 2020, 21, 329-336.	2.0	3
17	Energy-based decomposition of friction drag in turbulent square-duct flows. International Journal of Heat and Fluid Flow, 2020, 86, 108731.	2.4	3
18	Suppression of Supersonic Cavity Oscillations Using Pulsed Upstream Mass Injection. International Journal of Aerospace Engineering, 2016, 2016, 1-6.	0.9	2

#	Article	IF	Citations
19	Geometrical structure analysis of a zero-pressure-gradient turbulent boundary layer. Journal of Fluid Mechanics, 2018, 846, 318-340.	3.4	1
20	On the structure of streamwise wall-shear stress fluctuations in turbulent channel flows. Journal of Physics: Conference Series, 2020, 1522, 012010.	0.4	1
21	Effect of Initialized Method on the Three-dimensional Secondary Wake Instability of Elongated Bluff Body. Procedia Engineering, 2015, 126, 93-97.	1.2	0