

Li-Hao Feng

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,310
citations

331259

21
h-index

360668

35
g-index

50
all docs

50
docs citations

50
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of vortex-induced vibration of a circular cylinder by a finite-span flexible splitter plate. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	8
2	Critical indicators of dynamic stall vortex. <i>Journal of Fluid Mechanics</i> , 2022, 937, .	1.4	4
3	Flow-induced vibration control of a circular cylinder by using flexible and rigid splitter plates. <i>Ocean Engineering</i> , 2022, 249, 110939.	1.9	23
4	Formation and scaling of a coherent large-scale vortex from the impingement of a laminar synthetic jet. <i>Experiments in Fluids</i> , 2022, 63, 1.	1.1	1
5	Dynamics of the interaction of synthetic jet vortex rings with a stratified interface. <i>Journal of Fluid Mechanics</i> , 2022, 943, .	1.4	4
6	Effect of leading-edge protuberances on unsteady airfoil performance at low Reynolds number. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	10
7	Bypass transition in a boundary layer flow induced by plasma actuators. <i>Journal of Fluid Mechanics</i> , 2021, 929, .	1.4	6
8	Vortex control strategy for unsteady aerodynamic optimization of a plunging airfoil at a low Reynolds number. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
9	Flow-structure interactions of multiple inverted flags in different arrangements. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	51
10	Passive oscillations of inverted flags in a uniform flow. <i>Journal of Fluid Mechanics</i> , 2020, 884, .	1.4	9
11	The interactions of rectangular synthetic jets with a laminar cross-flow. <i>Journal of Fluid Mechanics</i> , 2020, 899, .	1.4	7
12	Experimental investigation on the leading-edge vortex formation and detachment mechanism of a pitching and plunging plate. <i>Journal of Fluid Mechanics</i> , 2020, 901, .	1.4	22
13	Lift enhancement strategy and mechanism for a plunging airfoil based on vortex control. <i>Physics of Fluids</i> , 2020, 32, .	1.6	19
14	Insights into leading edge vortex formation and detachment on a pitching and plunging flat plate. <i>Experiments in Fluids</i> , 2020, 61, 1.	1.1	12
15	Flow-structure interactions of two tandem inverted flags in a water tunnel. <i>Physics of Fluids</i> , 2020, 32, .	1.6	8
16	Flow-structure interactions of two parallel inverted flags with small separation distances in a water tunnel. <i>Journal of Fluids and Structures</i> , 2020, 94, 102960.	1.5	4
17	Effect of excitation frequency on flow characteristics around a square cylinder with a synthetic jet positioned at front surface. <i>Journal of Fluid Mechanics</i> , 2019, 880, 764-798.	1.4	29
18	Flow mechanism for the effect of pivot point on the aerodynamic characteristics of a pitching airfoil and its manipulation. <i>Physics of Fluids</i> , 2019, 31, 087108.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical investigation of three-dimensional vortex structures of a pitching airfoil at a transitional Reynolds number. Chinese Journal of Aeronautics, 2019, 32, 2254-2266.	2.8	18
20	Evolution of elliptic synthetic jets at low Reynolds number. Journal of Fluid Mechanics, 2019, 868, 66-96.	1.4	16
21	Synthetic jet vortex rings impinging onto a porous wall: Reynolds number effect. International Journal of Heat and Mass Transfer, 2019, 137, 951-967.	2.5	13
22	Laminar-to-transitional evolution of three-dimensional vortical structures in a low-aspect-ratio rectangular synthetic jet. Experimental Thermal and Fluid Science, 2019, 104, 129-140.	1.5	8
23	Two-dimensionalization of a three-dimensional bluff body wake. Physics of Fluids, 2019, 31, 017104.	1.6	20
24	Wavelet multi-scale analysis of the circular cylinder wake under synthetic jets control. International Journal of Heat and Fluid Flow, 2018, 69, 73-82.	1.1	8
25	Laminar vortex rings impinging onto porous walls with a constant porosity. Journal of Fluid Mechanics, 2018, 837, 729-764.	1.4	26
26	Parameter influence on the evolution of low-aspect-ratio rectangular synthetic jets. Journal of Visualization, 2018, 21, 105-115.	1.1	18
27	Görtler vortices in low-Reynolds-number flow over multi-element airfoil. Journal of Fluid Mechanics, 2018, 835, 898-935.	1.4	21
28	Evolution of low-aspect-ratio rectangular synthetic jets in a quiescent environment. Experiments in Fluids, 2018, 59, 1.	1.1	11
29	Vortex dynamics for flow over a circular cylinder in proximity to a wall. Journal of Fluid Mechanics, 2017, 812, 698-720.	1.4	47
30	Wake vortex evolution of square cylinder with a slot synthetic jet positioned at the rear surface. Journal of Fluid Mechanics, 2017, 812, 940-965.	1.4	55
31	Imaginary particle tracking accelerometry based on time-resolved velocity fields. Experiments in Fluids, 2017, 58, 1.	1.1	9
32	Evolution of Lagrangian coherent structures in a cylinder-wake disturbed flat plate boundary layer. Journal of Fluid Mechanics, 2016, 792, 274-306.	1.4	45
33	Fourier mode decomposition of PIV data. Science China Technological Sciences, 2015, 58, 1935-1948.	2.0	34
34	Control of flow around a circular cylinder by bleed near the separation points. Experiments in Fluids, 2015, 56, 1.	1.1	33
35	Experimental investigation on the flow over normal flat plates with various corner shapes. Journal of Turbulence, 2015, 16, 607-616.	0.5	5
36	Flow control over an airfoil using virtual Gurney flaps. Journal of Fluid Mechanics, 2015, 767, 595-626.	1.4	75

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37	Proper orthogonal decomposition based outlier correction for PIV data. Experiments in Fluids, 2015, 56, 1.	1.1	33
38	The virtual aeroshaping enhancement by synthetic jets with variable suction and blowing cycles. Physics of Fluids, 2014, 26, 014105.	1.6	20
39	Modification of a circular cylinder wake with synthetic jet: Vortex shedding modes and mechanism. European Journal of Mechanics, B/Fluids, 2014, 43, 14-32.	1.2	46
40	Experimental investigation on laminar separation control for flow over a two-dimensional bump. Journal of Turbulence, 2014, 15, 221-240.	0.5	7
41	End-Effects of a Finite Synthetic Jet on Flow Control. Lecture Notes in Mechanical Engineering, 2014, , 129-134.	0.3	4
42	Experimental investigation of a synthetic jet impinging on a fixed wall. Experiments in Fluids, 2013, 54, 1.	1.1	32
43	Influence of orifice-to-wall distance on synthetic jet vortex rings impinging on a fixed wall. Science China Technological Sciences, 2013, 56, 1798-1806.	2.0	11
44	Experimental investigation on control of vortex shedding mode of a circular cylinder using synthetic jets placed at stagnation points. Science China Technological Sciences, 2013, 56, 158-170.	2.0	26
45	Synthetic jet control of separation in the flow over a circular cylinder. Experiments in Fluids, 2012, 53, 467-480.	1.1	69
46	Flow control over a NACA 0012 airfoil using dielectric-barrier-discharge plasma actuator with a Gurney flap. Experiments in Fluids, 2012, 52, 1533-1546.	1.1	55
47	Proper orthogonal decomposition analysis of vortex dynamics of a circular cylinder under synthetic jet control. Physics of Fluids, 2011, 23, .	1.6	165
48	Review of zero-net-mass-flux jet and its application in separation flow control. Science in China Series D: Earth Sciences, 2008, 51, 1315-1344.	0.9	79
49	Experimental investigations on separation control and flow structure around a circular cylinder with synthetic jet. Science in China Series D: Earth Sciences, 2007, 50, 550-559.	0.9	40