

Morteza Gharib

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,160
citations

840119

11
h-index

752256

20
g-index

23
all docs

23
docs citations

23
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of streamwise vorticity in the near-field entrainment of round jets. <i>Journal of Fluid Mechanics</i> , 1992, 245, 643.	1.4	432
2	Flapping dynamics of an inverted flag. <i>Journal of Fluid Mechanics</i> , 2013, 736, .	1.4	166
3	Defocusing digital particle image velocimetry and the three-dimensional characterization of two-phase flows. <i>Measurement Science and Technology</i> , 2002, 13, 683-694.	1.4	165
4	Large-amplitude flapping of an inverted flag in a uniform steady flow – a vortex-induced vibration. <i>Journal of Fluid Mechanics</i> , 2016, 793, 524-555.	1.4	75
5	A valveless micro impedance pump driven by electromagnetic actuation. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, 861-866.	1.5	67
6	Characteristics of vortex formation and thrust performance in drag-based paddling propulsion. <i>Journal of Experimental Biology</i> , 2011, 214, 2283-2291.	0.8	54
7	Flexibility effects on vortex formation of translating plates. <i>Journal of Fluid Mechanics</i> , 2011, 677, 255-271.	1.4	47
8	Stability of slender inverted flags and rods in uniform steady flow. <i>Journal of Fluid Mechanics</i> , 2016, 809, 873-894.	1.4	34
9	Coupled motion of two side-by-side inverted flags. <i>Journal of Fluids and Structures</i> , 2018, 76, 527-535.	1.5	30
10	Vortex dynamics of clapping plates. <i>Journal of Fluid Mechanics</i> , 2013, 714, 5-23.	1.4	25
11	Unsteady loading of a vertical-axis turbine in the interaction with an upstream deflector. <i>Experiments in Fluids</i> , 2014, 55, 1.	1.1	15
12	Effect of morphology on the large-amplitude flapping dynamics of an inverted flag in a uniform flow. <i>Journal of Fluid Mechanics</i> , 2019, 874, 526-547.	1.4	9
13	To flap or not to flap: comparison between flapping and clapping propulsions. <i>Journal of Fluid Mechanics</i> , 2017, 822, .	1.4	8
14	Effect of the dynamic slip boundary condition on the near-wall turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 2020, 901, .	1.4	8
15	Dynamics of an inverted cantilever plate at moderate angle of attack. <i>Journal of Fluid Mechanics</i> , 2021, 909, .	1.4	7
16	The Effect of Aspect Ratio and Angle of Attack on the Transition Regions of the Inverted Flag Instability. , 2014, , .		6
17	Role of the near-tip region of a fin in fish propulsion. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	4
18	Local relaminarization mechanism induced by a dynamic free-slip boundary. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	3

#	ARTICLE	IF	CITATIONS
19	Thermal Effects on Fluid Mixing in the Eye. <i>Annals of Biomedical Engineering</i> , 2021, 49, 251-261.	1.3	2
20	Physics of a strongly oscillating axisymmetric air-water interface with a fixed boundary condition. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	2
21	On the role of tip curvature on flapping plates. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 026001.	1.5	1
22	On the Turbulent Drag Reduction Effect of the Dynamic Free-Slip Surface Method. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 879.	1.2	0