

Morteza Gharib

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,160
citations

840776

11
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics of a strongly oscillating axisymmetric air-water interface with a fixed boundary condition. Physical Review Fluids, 2022, 7, .	2.5	2
2	On the Turbulent Drag Reduction Effect of the Dynamic Free-Slip Surface Method. Journal of Marine Science and Engineering, 2022, 10, 879.	2.6	0
3	Thermal Effects on Fluid Mixing in the Eye. Annals of Biomedical Engineering, 2021, 49, 251-261.	2.5	2
4	Local relaminarization mechanism induced by a dynamic free-slip boundary. Physical Review Fluids, 2021, 6, .	2.5	3
5	Dynamics of an inverted cantilever plate at moderate angle of attack. Journal of Fluid Mechanics, 2021, 909, .	3.4	7
6	Effect of the dynamic slip boundary condition on the near-wall turbulent boundary layer. Journal of Fluid Mechanics, 2020, 901, .	3.4	8
7	Effect of morphology on the large-amplitude flapping dynamics of an inverted flag in a uniform flow. Journal of Fluid Mechanics, 2019, 874, 526-547.	3.4	9
8	Role of the near-tip region of a fin in fish propulsion. Physical Review Fluids, 2019, 4, .	2.5	4
9	On the role of tip curvature on flapping plates. Bioinspiration and Biomimetics, 2018, 13, 026001.	2.9	1
10	Coupled motion of two side-by-side inverted flags. Journal of Fluids and Structures, 2018, 76, 527-535.	3.4	30
11	To flap or not to flap: comparison between flapping and clapping propulsions. Journal of Fluid Mechanics, 2017, 822, .	3.4	8
12	Stability of slender inverted flags and rods in uniform steady flow. Journal of Fluid Mechanics, 2016, 809, 873-894.	3.4	34
13	Large-amplitude flapping of an inverted flag in a uniform steady flow – a vortex-induced vibration. Journal of Fluid Mechanics, 2016, 793, 524-555.	3.4	75
14	Unsteady loading of a vertical-axis turbine in the interaction with an upstream deflector. Experiments in Fluids, 2014, 55, 1.	2.4	15
15	The Effect of Aspect Ratio and Angle of Attack on the Transition Regions of the Inverted Flag Instability. , 2014, , .		6
16	Flapping dynamics of an inverted flag. Journal of Fluid Mechanics, 2013, 736, .	3.4	166
17	Vortex dynamics of clapping plates. Journal of Fluid Mechanics, 2013, 714, 5-23.	3.4	25
18	Flexibility effects on vortex formation of translating plates. Journal of Fluid Mechanics, 2011, 677, 255-271.	3.4	47

#	ARTICLE	IF	CITATIONS
19	Characteristics of vortex formation and thrust performance in drag-based paddling propulsion. Journal of Experimental Biology, 2011, 214, 2283-2291.	1.7	54
20	A valveless micro impedance pump driven by electromagnetic actuation. Journal of Micromechanics and Microengineering, 2005, 15, 861-866.	2.6	67
21	Defocusing digital particle image velocimetry and the three-dimensional characterization of two-phase flows. Measurement Science and Technology, 2002, 13, 683-694.	2.6	165
22	The role of streamwise vorticity in the near-field entrainment of round jets. Journal of Fluid Mechanics, 1992, 245, 643.	3.4	432