

Morteza Gharib

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7541948/publications.pdf>

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 | Physics of a strongly oscillating axisymmetric air-water interface with a fixed boundary condition. <i>Physical Review Fluids</i> , 2022, 7, . | 1.0 | 2 |
| 2 | 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 |
| 3 | Thermal Effects on Fluid Mixing in the Eye. <i>Annals of Biomedical Engineering</i> , 2021, 49, 251-261. | 1.3 | 2 |
| 4 | Local relaminarization mechanism induced by a dynamic free-slip boundary. <i>Physical Review Fluids</i> , 2021, 6, . | 1.0 | 3 |
| 5 | Dynamics of an inverted cantilever plate at moderate angle of attack. <i>Journal of Fluid Mechanics</i> , 2021, 909, . | 1.4 | 7 |
| 6 | 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 |
| 7 | 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 |
| 8 | Role of the near-tip region of a fin in fish propulsion. <i>Physical Review Fluids</i> , 2019, 4, . | 1.0 | 4 |
| 9 | On the role of tip curvature on flapping plates. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 026001. | 1.5 | 1 |
| 10 | Coupled motion of two side-by-side inverted flags. <i>Journal of Fluids and Structures</i> , 2018, 76, 527-535. | 1.5 | 30 |
| 11 | To flap or not to flap: comparison between flapping and clapping propulsions. <i>Journal of Fluid Mechanics</i> , 2017, 822, . | 1.4 | 8 |
| 12 | Stability of slender inverted flags and rods in uniform steady flow. <i>Journal of Fluid Mechanics</i> , 2016, 809, 873-894. | 1.4 | 34 |
| 13 | 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 |
| 14 | 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 |
| 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. <i>Journal of Fluid Mechanics</i> , 2013, 736, . | 1.4 | 166 |
| 17 | Vortex dynamics of clapping plates. <i>Journal of Fluid Mechanics</i> , 2013, 714, 5-23. | 1.4 | 25 |
| 18 | Flexibility effects on vortex formation of translating plates. <i>Journal of Fluid Mechanics</i> , 2011, 677, 255-271. | 1.4 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | A valveless micro impedance pump driven by electromagnetic actuation. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, 861-866. | 1.5 | 67 |
| 21 | 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 |
| 22 | 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 |