

Shreyas Mandre

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,731
citations

361413

20
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	Brachistochronous motion of a flat plate parallel to its surface immersed in a fluid. Journal of Fluid Mechanics, 2022, 939, .	3.4	1
2	Stiffness of the human foot and evolution of the transverse arch. Nature, 2020, 579, 97-100.	27.8	112
3	Work-minimizing kinematics for small displacement of an infinitely long cylinder. Journal of Fluid Mechanics, 2020, 893, .	3.4	1
4	Dynamics and stability of running on rough terrains. Royal Society Open Science, 2019, 6, 181729.	2.4	6
5	Confinement effects on energy harvesting by a heaving and pitching hydrofoil. Journal of Fluids and Structures, 2019, 84, 233-242.	3.4	22
6	Surface tension of flowing soap films. Journal of Fluid Mechanics, 2018, 841, .	3.4	17
7	Dynamics of a camphoric acid boat at the air-water interface. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1176-1180.	2.1	27
8	Energy harvesting performance and flow structure of an oscillating hydrofoil with finite span. Journal of Fluids and Structures, 2017, 70, 314-326.	3.4	65
9	Curvature-induced stiffening of a fish fin. Journal of the Royal Society Interface, 2017, 14, 20170247.	3.4	17
10	Axisymmetric spreading of surfactant from a point source. Journal of Fluid Mechanics, 2017, 832, 777-792.	3.4	14
11	Controllable biomimetic birdsong. Journal of the Royal Society Interface, 2017, 14, 20170002.	3.4	1
12	Hydrodynamic Signatures of Stationary Marangoni-Driven Surfactant Transport. Physical Review Letters, 2017, 119, 264501.	7.8	26
13	Marangoni elasticity of flowing soap films. Physical Review Fluids, 2017, 2, .	2.5	25
14	Linear stability analysis for monami in a submerged seagrass bed. Journal of Fluid Mechanics, 2016, 786, .	3.4	24
15	Dynamics of evaporative colloidal patterning. Physics of Fluids, 2015, 27, .	4.0	28
16	Capillary interactions between nearby interfacial objects. Europhysics Letters, 2013, 102, 38001.	2.0	13
17	The branch with the furthest reach. Europhysics Letters, 2012, 97, 14005.	2.0	7
18	The mechanism of a splash on a dry solid surface. Journal of Fluid Mechanics, 2012, 690, 148-172.	3.4	127

#	ARTICLE	IF	CITATIONS
19	Skating on a Film of Air: Drops Impacting on a Surface. Physical Review Letters, 2012, 108, 074503.	7.8	183
20	Algorithm for a Microfluidic Assembly Line. Physical Review Letters, 2011, 106, 094503.	7.8	38
21	Events before droplet splashing on a solid surface. Journal of Fluid Mechanics, 2010, 647, 163-185.	3.4	161
22	A generalized theory of viscous and inviscid flutter. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 141-156.	2.1	28
23	Precursors to Splashing of Liquid Droplets on a Solid Surface. Physical Review Letters, 2009, 102, 134502.	7.8	206
24	Short-Time Dynamics of Partial Wetting. Physical Review Letters, 2008, 100, 234501.	7.8	246
25	The feasibility of generating low-frequency volcano seismicity by flow through a deformable channel. Geological Society Special Publication, 2008, 307, 45-56.	1.3	36
26	Bounds on double-diffusive convection. Journal of Fluid Mechanics, 2006, 569, 29.	3.4	14
27	An experimental study of the coalescence between a drop and an interface in Newtonian and polymeric liquids. Physics of Fluids, 2006, 18, 092103.	4.0	33
28	Partial coalescence between a drop and a liquid-liquid interface. Physics of Fluids, 2006, 18, 051705.	4.0	75
29	Mechanisms for Liquid Slip at Solid Surfaces. Physical Review Letters, 2004, 93, 086001.	7.8	56
30	Dynamics of roll waves. Journal of Fluid Mechanics, 2004, 514, 1-33.	3.4	110
31	A simple model illustrating the role of turbulence on phytoplankton blooms. Journal of Mathematical Biology, 2003, 46, 333-346.	1.9	12