UÄ£is LÄ¢is

List of Publications by Year
in descending order

14	288	933447 10	1058476 14
papers	citations	h-index	g-index

14	14	14	245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A framework for computing effective boundaryÂconditions at the interface betweenÂfree fluid and a porous medium. Journal of Fluid Mechanics, 2017, 812, 866-889.	3.4	57
2	Passive appendages generate drift through symmetry breaking. Nature Communications, 2014, 5, 5310.	12.8	44
3	Transfer of mass and momentum at rough and porous surfaces. Journal of Fluid Mechanics, 2020, 884, .	3.4	39
4	A stable fluidâ€“structure-interaction solver for low-density rigid bodies using the immersed boundary projection method. Journal of Computational Physics, 2016, 305, 300-318.	3.8	34
5	Applicability of LES turbulence modeling for CZ silicon crystal growth systems with traveling magnetic field. Journal of Crystal Growth, 2010, 312, 3225-3234.	1.5	20
6	Steady moving contact line of water over a no-slip substrate. European Physical Journal: Special Topics, 2020, 229, 1897-1921.	2.6	19
7	Higher-Order Homogenized Boundary Conditions for Flows Over Rough and Porous Surfaces. Transport in Porous Media, 2021, 136, 1-42.	2.6	16
8	A computational continuum model of poroelastic beds. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160932.	2.1	13
9	Modeling waves in fluids flowing over and through poroelastic media. International Journal of Multiphase Flow, 2019, 110, 148-164.	3.4	12
10	Droplet Impact on Asymmetric Hydrophobic Microstructures. Langmuir, 2022, 38, 7956-7964.	3.5	12
11	Nanoscale sheared droplet: volume-of-fluid, phase-field and no-slip molecular dynamics. Journal of Fluid Mechanics, 2022, 940, .	3.4	10
12	Lift induced by slip inhomogeneities in lubricated contacts. Physical Review Fluids, 2020, 5, .	2.5	6
13	Passive control of a falling sphere by elliptic-shaped appendages. Physical Review Fluids, 2017, 2, .	2.5	3
14	Near-wall turbulence alteration with the transpiration-resistance model. Journal of Fluid Mechanics, 2022, 942, .	3.4	3