M Niazi Ardekani

List of Publications by Year
in descending order

18 papers	**514** citations	687363 **13** h-index	839539 **18** g-index
18 all docs	**18** docs citations	**18** times ranked	**379** citing authors

#	Article	IF	Citations
1	Turbulent Rayleighâ€"BÃ©nard convection in non-colloidal suspensions. Journal of Fluid Mechanics, 2022, 945, .	3.4	4
2	Regimes of heat transfer in finite-size particle suspensions. International Journal of Heat and Mass Transfer, 2021, 177, 121514.	4.8	14
3	Orientation instability of settling spheroids in a linearly density-stratified fluid. Journal of Fluid Mechanics, 2021, 929, .	3.4	7
4	Particle migration in channel flow of an elastoviscoplastic fluid. Journal of Non-Newtonian Fluid Mechanics, 2020, 284, 104376.	2.4	10
5	Modulation of turbulence by finite-size particles in statistically steady-state homogeneous shear turbulence. Journal of Fluid Mechanics, 2020, 899, .	3.4	15
6	Numerical study of hot and cold spheroidal particles in a viscous fluid. International Journal of Heat and Mass Transfer, 2020, 149, 119206.	4.8	17
7	Turbulent flow of finite-size spherical particles in channels with viscous hyper-elastic walls. Journal of Fluid Mechanics, 2019, 873, 410-440.	3.4	8
8	Turbulence modulation in channel flow of finite-size spheroidal particles. Journal of Fluid Mechanics, 2019, 859, 887-901.	3.4	36
9	Turbulent duct flow with polymers. Journal of Fluid Mechanics, 2019, 859, 1057-1083.	3.4	30
10	Effect of elastic walls on suspension flow. Physical Review Fluids, 2019, 4, .	2.5	8
11	Numerical study of heat transfer in laminar and turbulent pipe flow with finite-size spherical particles. International Journal of Heat and Fluid Flow, 2018, 71, 189-199.	2.4	37
12	Heat transfer in laminar Couette flow laden with rigid spherical particles. Journal of Fluid Mechanics, 2018, 834, 308-334.	3.4	22
13	Computational modeling of multiphase viscoelastic and elastoviscoplastic flows. International Journal for Numerical Methods in Fluids, 2018, 88, 521-543.	1.6	47
14	Clustering and increased settling speed of oblate particles at finite Reynolds number. Journal of Fluid Mechanics, 2018, 848, 696-721.	3.4	22
15	Drag reduction in turbulent channel flow laden with finite-size oblate spheroids. Journal of Fluid Mechanics, 2017, 816, 43-70.	3.4	55
16	Inertial migration of spherical and oblateÂparticles in straight ducts. Journal of Fluid Mechanics, 2017, 819, 540-561.	3.4	64
17	Sedimentation of inertia-less prolate spheroids in homogenous isotropic turbulence with application to non-motile phytoplankton. Journal of Fluid Mechanics, 2017, 831, 655-674.	3.4	38
18	Numerical study of the sedimentation of spheroidal particles. International Journal of Multiphase Flow, 2016, 87, 16-34.	3.4	80