

M Niazi Ardekani

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

514
citations

687363

13
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839539

18
g-index

18
all docs

18
docs citations

18
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of the sedimentation of spheroidal particles. International Journal of Multiphase Flow, 2016, 87, 16-34.	3.4	80
2	Inertial migration of spherical and oblate particles in straight ducts. Journal of Fluid Mechanics, 2017, 819, 540-561.	3.4	64
3	Drag reduction in turbulent channel flow laden with finite-size oblate spheroids. Journal of Fluid Mechanics, 2017, 816, 43-70.	3.4	55
4	Computational modeling of multiphase viscoelastic and elastoviscoplastic flows. International Journal for Numerical Methods in Fluids, 2018, 88, 521-543.	1.6	47
5	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
6	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
7	Turbulence modulation in channel flow of finite-size spheroidal particles. Journal of Fluid Mechanics, 2019, 859, 887-901.	3.4	36
8	Turbulent duct flow with polymers. Journal of Fluid Mechanics, 2019, 859, 1057-1083.	3.4	30
9	Heat transfer in laminar Couette flow laden with rigid spherical particles. Journal of Fluid Mechanics, 2018, 834, 308-334.	3.4	22
10	Clustering and increased settling speed of oblate particles at finite Reynolds number. Journal of Fluid Mechanics, 2018, 848, 696-721.	3.4	22
11	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
12	Modulation of turbulence by finite-size particles in statistically steady-state homogeneous shear turbulence. Journal of Fluid Mechanics, 2020, 899, .	3.4	15
13	Regimes of heat transfer in finite-size particle suspensions. International Journal of Heat and Mass Transfer, 2021, 177, 121514.	4.8	14
14	Particle migration in channel flow of an elastoviscoplastic fluid. Journal of Non-Newtonian Fluid Mechanics, 2020, 284, 104376.	2.4	10
15	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
16	Effect of elastic walls on suspension flow. Physical Review Fluids, 2019, 4, .	2.5	8
17	Orientation instability of settling spheroids in a linearly density-stratified fluid. Journal of Fluid Mechanics, 2021, 929, .	3.4	7
18	Turbulent Rayleigh-Bénard convection in non-colloidal suspensions. Journal of Fluid Mechanics, 2022, 945, .	3.4	4