

Martin R Maxey

List of Publications by Year in descending order

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19
papers

1,031
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

817
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of swirling-flow behavior in complex pipeline using bubble trajectory method with stereo particle tracking/image velocimetry. <i>Flow Measurement and Instrumentation</i> , 2022, 85, 102159.	2.0	2
2	Operator learning for predicting multiscale bubble growth dynamics. <i>Journal of Chemical Physics</i> , 2021, 154, 104118.	3.0	71
3	A seamless multiscale operator neural network for inferring bubble dynamics. <i>Journal of Fluid Mechanics</i> , 2021, 929, .	3.4	32
4	Self-Cleaning of Hydrophobic Rough Surfaces by Coalescence-Induced Wetting Transition. <i>Langmuir</i> , 2019, 35, 2431-2442.	3.5	87
5	Settling of heavy particles in concentrated suspensions of neutrally buoyant particles under uniform shear. <i>Fluid Dynamics Research</i> , 2018, 50, 041401.	1.3	7
6	Simulation study of particle clouds in oscillating shear flow. <i>Journal of Fluid Mechanics</i> , 2018, 852, 484-506.	3.4	5
7	Droplets in turbulence: a new perspective. <i>Journal of Fluid Mechanics</i> , 2017, 816, 1-4.	3.4	4
8	Simulation Methods for Particulate Flows and Concentrated Suspensions. <i>Annual Review of Fluid Mechanics</i> , 2017, 49, 171-193.	25.0	152
9	Dispersion of a suspension plug in oscillatory pressure-driven flow. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	5
10	Dynamics and rheology of concentrated, finite-Reynolds-number suspensions in a homogeneous shear flow. <i>Physics of Fluids</i> , 2013, 25, .	4.0	26
11	Numerical simulations of concentrated suspensions of monodisperse particles in a Poiseuille flow. <i>Journal of Fluid Mechanics</i> , 2011, 682, 491-518.	3.4	60
12	Biomimetics and cilia propulsion. <i>Journal of Fluid Mechanics</i> , 2011, 678, 1-4.	3.4	2
13	Dynamics of concentrated suspensions of non-colloidal particles in Couette flow. <i>Journal of Fluid Mechanics</i> , 2010, 649, 205-231.	3.4	77
14	Simulation of concentrated suspensions using the force-coupling method. <i>Journal of Computational Physics</i> , 2010, 229, 2401-2421.	3.8	83
15	Spiral swimming of an artificial micro-swimmer. <i>Journal of Fluid Mechanics</i> , 2008, 598, 293-319.	3.4	46
16	Turbulent drag reduction by constant near-wall forcing. <i>Journal of Fluid Mechanics</i> , 2007, 582, 79-101.	3.4	32
17	Dynamics of bidisperse suspensions under Stokes flows: Linear shear flow and sedimentation. <i>Physics of Fluids</i> , 2006, 18, 121504.	4.0	45
18	Force-coupling method for particulate two-phase flow: Stokes flow. <i>Journal of Computational Physics</i> , 2003, 184, 381-405.	3.8	152

#	ARTICLE	IF	CITATIONS
19	Numerical simulation of turbulent drag reduction using micro-bubbles. Journal of Fluid Mechanics, 2002, 468, 271-281.	3.4	143