Bryan Quaife

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6791523/publications.pdf

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19	208	1307594	1058476
papers	citations	7	14
		h-index	g-index

19	19	19	203
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-dimensional hydrodynamics of a Janus particle vesicle. Journal of Fluid Mechanics, 2022, 941, .	3.4	2
2	Wind in a Natural and Artificial Wildland Fire Fuel Bed. Fire, 2021, 4, 30.	2.8	2
3	Hydrodynamics of a semipermeable inextensible membrane under flow and confinement. Physical Review Fluids, 2021, 6, .	2.5	8
4	A Simple Model for Wildland Fire Vortexâ€“Sink Interactions. Atmosphere, 2021, 12, 1014.	2.3	4
5	Fine-Scale Fire Spread in Pine Straw. Fire, 2021, 4, 69.	2.8	1
6	Stable and contactâ€free time stepping for dense rigid particle suspensions. International Journal for Numerical Methods in Fluids, 2020, 92, 94-113.	1.6	4
7	Role of Horizontal Eddy Diffusivity within the Canopy on Fire Spread. Atmosphere, 2020, 11, 672.	2.3	5
8	Viscous transport in eroding porous media. Journal of Fluid Mechanics, 2020, 893, .	3.4	13
9	Hydrodynamics and rheology of a vesicle doublet suspension. Physical Review Fluids, 2019, 4, .	2.5	8
10	Low-resolution simulations of vesicle suspensions in 2D. Journal of Computational Physics, 2018, 357, 43-77.	3.8	11
11	An efficient preconditioner for the fast simulation of a 2D stokes flow in porous media. International Journal for Numerical Methods in Engineering, 2018, 113, 561-580.	2.8	5
12	A boundary integral equation method for mode elimination and vibration confinement in thin plates with clamped points. Advances in Computational Mathematics, 2018, 44, 1249-1273.	1.6	4
13	A boundary-integral framework to simulate viscous erosion of a porous medium. Journal of Computational Physics, 2018, 375, 1-21.	3.8	13
14	Prediction of the low-velocity distribution from the pore structure in simple porous media. Physical Review Fluids, 2017, 2, .	2.5	59
15	Integral equation methods for the Yukawa-Beltrami equation on the sphere. Advances in Computational Mathematics, 2016, 42, 469-488.	1.6	5
16	Adaptive time stepping for vesicle suspensions. Journal of Computational Physics, 2016, 306, 478-499.	3.8	19
17	High-order Adaptive Time Stepping for Vesicle Suspensions with Viscosity Contrast. Procedia IUTAM, 2015, 16, 89-98.	1.2	6
18	On preconditioners for the Laplace double-layer in 2D. Numerical Linear Algebra With Applications, 2015, 22, 101-122.	1.6	7

#	Article	IF	Citations
19	High-volume fraction simulations of two-dimensional vesicle suspensions. Journal of Computational Physics, 2014, 274, 245-267.	3.8	32