

# Bryan Quaife

## List of Publications by Year in descending order

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

Version: 2024-02-01

19  
papers

208  
citations

1307594

7  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of the low-velocity distribution from the pore structure in simple porous media. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	59
2	High-volume fraction simulations of two-dimensional vesicle suspensions. <i>Journal of Computational Physics</i> , 2014, 274, 245-267.	3.8	32
3	Adaptive time stepping for vesicle suspensions. <i>Journal of Computational Physics</i> , 2016, 306, 478-499.	3.8	19
4	A boundary-integral framework to simulate viscous erosion of a porous medium. <i>Journal of Computational Physics</i> , 2018, 375, 1-21.	3.8	13
5	Viscous transport in eroding porous media. <i>Journal of Fluid Mechanics</i> , 2020, 893, .	3.4	13
6	Low-resolution simulations of vesicle suspensions in 2D. <i>Journal of Computational Physics</i> , 2018, 357, 43-77.	3.8	11
7	Hydrodynamics of a semipermeable inextensible membrane under flow and confinement. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	8
8	Hydrodynamics and rheology of a vesicle doublet suspension. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	8
9	On preconditioners for the Laplace double-layer in 2D. <i>Numerical Linear Algebra With Applications</i> , 2015, 22, 101-122.	1.6	7
10	High-order Adaptive Time Stepping for Vesicle Suspensions with Viscosity Contrast. <i>Procedia IUTAM</i> , 2015, 16, 89-98.	1.2	6
11	Integral equation methods for the Yukawa-Beltrami equation on the sphere. <i>Advances in Computational Mathematics</i> , 2016, 42, 469-488.	1.6	5
12	An efficient preconditioner for the fast simulation of a 2D stokes flow in porous media. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 561-580.	2.8	5
13	Role of Horizontal Eddy Diffusivity within the Canopy on Fire Spread. <i>Atmosphere</i> , 2020, 11, 672.	2.3	5
14	A boundary integral equation method for mode elimination and vibration confinement in thin plates with clamped points. <i>Advances in Computational Mathematics</i> , 2018, 44, 1249-1273.	1.6	4
15	Stable and contact-free time stepping for dense rigid particle suspensions. <i>International Journal for Numerical Methods in Fluids</i> , 2020, 92, 94-113.	1.6	4
16	A Simple Model for Wildland Fire Vortex-Sink Interactions. <i>Atmosphere</i> , 2021, 12, 1014.	2.3	4
17	Wind in a Natural and Artificial Wildland Fire Fuel Bed. <i>Fire</i> , 2021, 4, 30.	2.8	2
18	Two-dimensional hydrodynamics of a Janus particle vesicle. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	3.4	2

#	ARTICLE	IF	CITATIONS
19	Fine-Scale Fire Spread in Pine Straw. <i>Fire</i> , 2021, 4, 69.	2.8	1