

Spencer H Bryngelson

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

201
citations

1163117

8
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing viscoelastic materials via ensemble-based data assimilation of bubble collapse observations. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 152, 104455.	4.8	9
2	MFC: An open-source high-order multi-component, multi-phase, and multi-scale compressible flow solver. <i>Computer Physics Communications</i> , 2021, 266, 107396.	7.5	13
3	An assessment of multicomponent flow models and interface capturing schemes for spherical bubble dynamics. <i>Journal of Computational Physics</i> , 2020, 402, 109080.	3.8	52
4	Near-surface dynamics of a gas bubble collapsing above a crevice. <i>Journal of Fluid Mechanics</i> , 2020, 899, .	3.4	52
5	QBMMlib: A library of quadrature-based moment methods. <i>SoftwareX</i> , 2020, 12, 100615.	2.6	6
6	A Gaussian moment method and its augmentation via LSTM recurrent neural networks for the statistics of cavitating bubble populations. <i>International Journal of Multiphase Flow</i> , 2020, 127, 103262.	3.4	14
7	Simulation of humpback whale bubble-net feeding models. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1126-1135.	1.1	4
8	Irregular dynamics of cellular blood flow in a model microvessel. <i>Physical Review E</i> , 2019, 100, 012203.	2.1	2
9	Non-modal Floquet stability of capsules in large-amplitude oscillatory extensional flow. <i>European Journal of Mechanics, B/Fluids</i> , 2019, 77, 171-176.	2.5	4
10	A quantitative comparison of phase-averaged models for bubbly, cavitating flows. <i>International Journal of Multiphase Flow</i> , 2019, 115, 137-143.	3.4	15
11	Floquet stability analysis of capsules in viscous shear flow. <i>Journal of Fluid Mechanics</i> , 2018, 852, 663-677.	3.4	2
12	Global stability of flowing red blood cell trains. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	10
13	Buckling and its effect on the confined flow of a model capsule suspension. <i>Rheologica Acta</i> , 2016, 55, 451-464.	2.4	7
14	Capsule-train stability. <i>Physical Review Fluids</i> , 2016, 1, .	2.5	11