

Brian R Duffy

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

414
citations

932766

10
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Young and Youngâ€“Laplace equations for a static ridge of nematic liquid crystal, and transitions between equilibrium states. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, 20210849.	1.0	3
2	Unsteady coating flow on a rotating cylinder in the presence of an irrotational airflow with circulation. Physics of Fluids, 2022, 34, 043105.	1.6	3
3	Coating flow on a rotating cylinder in the presence of an irrotational airflow with circulation. Journal of Fluid Mechanics, 2022, 932, .	1.4	1
4	Evaporation of a thin droplet in a shallow well: theory and experiment. Journal of Fluid Mechanics, 2021, 927, .	1.4	7
5	Rivulet flow over and through a permeable membrane. Physical Review Fluids, 2021, 6, .	1.0	3
6	Competitive evaporation of multiple sessile droplets. Journal of Fluid Mechanics, 2020, 884, .	1.4	47
7	Rivulet flow down a slippery substrate. Physics of Fluids, 2020, 32, 072011.	1.6	4
8	Fluid-dynamical model for antisurfactants. Physical Review E, 2016, 93, 043121.	0.8	11
9	Evaporation of Droplets on Strongly Hydrophobic Substrates. Langmuir, 2015, 31, 3653-3660.	1.6	83
10	Closed-form solution of a thermocapillary free-film problem due to Pukhnachev. European Journal of Applied Mathematics, 2015, 26, 721-741.	1.4	2
11	Shallow flows of generalised Newtonian fluids on an inclined plane. Journal of Engineering Mathematics, 2015, 94, 115-133.	0.6	12
12	On the lifetimes of evaporating droplets with related initial and receding contact angles. Physics of Fluids, 2015, 27, .	1.6	89
13	Preface to the special issue on â€œRecent Developments and New Directions in Thin-Film Flowâ€• Journal of Engineering Mathematics, 2012, 73, 1-2.	0.6	1
14	Asymptotic and numerical analysis of a simple model for blade coating. Journal of Engineering Mathematics, 2009, 63, 155-176.	0.6	11
15	Thin-film and curtain flows on the outside of a rotating horizontal cylinder. Journal of Fluid Mechanics, 1999, 394, 29-49.	1.4	33
16	Sech-polynomial travelling solitary-wave solutions of odd-order generalized KdV equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 248, 219-224.	0.9	33
17	A numerical technique for solving unsteady non-Newtonian free surface flows. Journal of Non-Newtonian Fluid Mechanics, 1996, 62, 9-34.	1.0	50
18	A bifurcation problem in hydrostatics. American Journal of Physics, 1993, 61, 264-269.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Flow of a liquid with an anisotropic viscosity tensor. Journal of Non-Newtonian Fluid Mechanics, 1978, 4, 177-193.	1.0	18