

Te Sheng Lin

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

305
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932766

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24
times ranked

257
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin films flowing down inverted substrates: Three-dimensional flow. <i>Physics of Fluids</i> , 2012, 24, 022105.	1.6	46
2	Thin films flowing down inverted substrates: Two dimensional flow. <i>Physics of Fluids</i> , 2010, 22, .	1.6	40
3	Chaotic Swimming of Phoretic Particles. <i>Physical Review Letters</i> , 2019, 123, 238004.	2.9	29
4	Instabilities of Layers of Deposited Molecules on Chemically Stripe Patterned Substrates: Ridges versus Drops. <i>Langmuir</i> , 2015, 31, 10618-10631.	1.6	23
5	Bifurcation analysis of the behavior of partially wetting liquids on a rotating cylinder. <i>Physics of Fluids</i> , 2016, 28, 082102.	1.6	23
6	Modelling spreading dynamics of nematic liquid crystals in three spatial dimensions. <i>Journal of Fluid Mechanics</i> , 2013, 729, 214-230.	1.4	22
7	Note on the hydrodynamic description of thin nematic films: Strong anchoring model. <i>Physics of Fluids</i> , 2013, 25, .	1.6	21
8	A simple Dufort-Frankel-type scheme for the Gross-Pitaevskii equation of Bose-Einstein condensates on different geometries. <i>Numerical Methods for Partial Differential Equations</i> , 2004, 20, 624-638.	2.0	17
9	Modeling and simulations of the spreading and destabilization of nematic droplets. <i>Physics of Fluids</i> , 2011, 23, .	1.6	15
10	Modeling flow of nematic liquid crystal down an incline. <i>Journal of Engineering Mathematics</i> , 2015, 94, 97-113.	0.6	10
11	Two-dimensional pulse dynamics and the formation of bound states on electrified falling films. <i>Journal of Fluid Mechanics</i> , 2018, 855, 210-235.	1.4	10
12	Spontaneous locomotion of phoretic particles in three dimensions. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	8
13	Coherent Structures in Nonlocal Dispersive Active-Dissipative Systems. <i>SIAM Journal on Applied Mathematics</i> , 2015, 75, 538-563.	0.8	6
14	Effect of driving on coarsening dynamics in phase-separating systems. <i>Nonlinearity</i> , 2020, 33, 4449-4483.	0.6	6
15	Numerical Study of a Non-local Weakly Nonlinear Model for a Liquid Film Sheared by a Turbulent Gas. <i>Procedia IUTAM</i> , 2014, 11, 98-109.	1.2	5
16	Three-dimensional coating flow of nematic liquid crystal on an inclined substrate. <i>European Journal of Applied Mathematics</i> , 2015, 26, 647-669.	1.4	5
17	Thin liquid films in a funnel. <i>Journal of Fluid Mechanics</i> , 2021, 924, .	1.4	5
18	Defect modeling in spreading nematic droplets. <i>Physical Review E</i> , 2012, 85, 012702.	0.8	4

#	ARTICLE	IF	CITATIONS
19	Continuation methods for time-periodic travelling-wave solutions to evolution equations. Applied Mathematics Letters, 2018, 86, 291-297.	1.5	4
20	A direct Poisson solver in spherical geometry with an application to diffusiophoretic problems. Journal of Computational Physics, 2020, 409, 109362.	1.9	3
21	Fast spectral solver for Poisson equation in an annular domain. Annals of Mathematical Sciences and Applications, 2020, 5, 65-74.	0.2	2
22	10.1063/1.3428753.1., 2010,, .		1