Te Sheng Lin

List of Publications by Year
in descending order

22 papers	305 citations	932766 10 h-index	887659 17 g-index
24 all docs	24 docs citations	24 times ranked	257 citing authors

#	Article	IF	Citations
1	Spontaneous locomotion of phoretic particles in three dimensions. Physical Review Fluids, 2022, 7, .	1.0	8
2	Thin liquid films in a funnel. Journal of Fluid Mechanics, 2021, 924, .	1.4	5
3	A direct Poisson solver in spherical geometry with an application to diffusiophoretic problems. Journal of Computational Physics, 2020, 409, 109362.	1.9	3
4	Effect of driving on coarsening dynamics in phase-separating systems. Nonlinearity, 2020, 33, 4449-4483.	0.6	6
5	Fast spectral solver for Poisson equation in an annular domain. Annals of Mathematical Sciences and Applications, 2020, 5, 65-74.	0.2	2
6	Chaotic Swimming of Phoretic Particles. Physical Review Letters, 2019, 123, 238004.	2.9	29
7	Two-dimensional pulse dynamics and the formation of bound states on electrified fallingÂfilms. Journal of Fluid Mechanics, 2018, 855, 210-235.	1.4	10
8	Continuation methods for time-periodic travelling-wave solutions to evolution equations. Applied Mathematics Letters, 2018, 86, 291-297.	1.5	4
9	Bifurcation analysis of the behavior of partially wetting liquids on a rotating cylinder. Physics of Fluids, 2016, 28, 082102.	1.6	23
10	Three-dimensional coating flow of nematic liquid crystal on an inclined substrate. European Journal of Applied Mathematics, 2015, 26, 647-669.	1.4	5
11	Modeling flow of nematic liquid crystal down an incline. Journal of Engineering Mathematics, 2015, 94, 97-113.	0.6	10
12	Instabilities of Layers of Deposited Molecules on Chemically Stripe Patterned Substrates: Ridges versus Drops. Langmuir, 2015, 31, 10618-10631.	1.6	23
13	Coherent Structures in Nonlocal Dispersive Active-Dissipative Systems. SIAM Journal on Applied Mathematics, 2015, 75, 538-563.	0.8	6
14	Numerical Study of a Non-local Weakly Nonlinear Model for a Liquid Film Sheared by a Turbulent Gas. Procedia IUTAM, 2014, 11, 98-109.	1.2	5
15	Note on the hydrodynamic description of thin nematic films: Strong anchoring model. Physics of Fluids, 2013, 25, .	1.6	21
16	Modelling spreading dynamics of nematic liquid crystals in three spatial dimensions. Journal of Fluid Mechanics, 2013, 729, 214-230.	1.4	22
17	Thin films flowing down inverted substrates: Three-dimensional flow. Physics of Fluids, 2012, 24, 022105.	1.6	46
18	Defect modeling in spreading nematic droplets. Physical Review E, 2012, 85, 012702.	0.8	4

#	Article	IF	Citations
19	Modeling and simulations of the spreading and destabilization of nematic droplets. Physics of Fluids, 2011, 23, .	1.6	15
20	Thin films flowing down inverted substrates: Two dimensional flow. Physics of Fluids, 2010, 22, .	1.6	40
21	10.1063/1.3428753.1. , 2010, , .		1
22	A simple Dufort-Frankel-type scheme for the Gross-Pitaevskii equation of Bose-Einstein condensates on different geometries. Numerical Methods for Partial Differential Equations, 2004, 20, 624-638.	2.0	17