Thomas Ward, Iii

List of Publications by Year
in descending order

26 papers	256 citations	1163117 8 h-index	940533 16 g-index
27 all docs	27 docs citations	27 times ranked	329 citing authors

#	Article	IF	Citations
1	Vibration of a semi-rigid cantilever in a cylinderâ€™s unsteady wake at zero incidence angle. Journal of Sound and Vibration, 2022, , 116948.	3.9	0
2	Passivation-driven speciation, dealloying and purification. Materials Horizons, 2021, 8, 925-931.	12.2	7
3	Vibration of a semi-rigid cantilever in a uniform flow. Journal of Fluids and Structures, 2021, 102, 103229.	3.4	3
4	Source-driven vibration of a semi-rigid cantilever: Soap film experiments comparing incidence angles Î± = 0Â° and Î± = 180Â°. Results in Engineering, 2021, 12, 100290.	5.1	1
5	Polydispersityâ€Driven Printing of Conformal Solid Metal Traces on Nonâ€Adhering Biological Surfaces. Advanced Materials Interfaces, 2020, 7, 2001294.	3.7	18
6	De-pinning instability of an evaporating-bounded liquid bridge: Experiments and axisymmetric analysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 596, 124664.	4.7	6
7	Evaporation driven detachment of a liquid bridge from a syringe needle in repose. Physics of Fluids, 2020, 32, 084105.	4.0	3
8	Surface remobilization of buoyancyâ€driven surfactantâ€laden drops at low reynolds and capillary numbers. AICHE Journal, 2019, 65, 294-304.	3.6	5
9	Immiscible fluid displacement in a porous media: Effect of surfactants introduced ab initio versus surfactants formed in-situ. Journal of Petroleum Science and Engineering, 2019, 180, 310-319.	4.2	8
10	Evaporation and instability of an unbounded-axisymmetric liquid bridge between chemically similar and different substrates. Journal of Colloid and Interface Science, 2019, 539, 45-53.	9.4	14
11	Magnetic Two-Way Valves for Paper-Based Capillary-Driven Microfluidic Devices. ACS Omega, 2018, 3, 2049-2057.	3.5	36
12	Stable and unstable miscible displacement of a shear-thinning fluid at low Reynolds number. Physics of Fluids, 2018, 30, .	4.0	8
13	Electrostatic and aerodynamic forced vibrations of a thin flexible electrode: Quasi-periodic vs. chaotic oscillations. Chaos, 2016, 26, 063113.	2.5	4
14	Perturbation analysis of steady and unsteady electrohydrodynamic chaotic advection inside translating drops. Physical Review E, 2015, 92, 023030.	2.1	2
15	Electrocapillary drop actuation and fingering instability in a planar Hele-Shaw cell. Physical Review E, 2015, 91, 013012.	2.1	3
16	Pattern search methods for pendant drops: Algorithms for rapid determination of surface tension and surfactant transport parameters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 485, 1-10.	4.7	13
17	Pressure-driven microfluidic flow-focusing of air through a surfactant-doped dilute polymer liquid. Microfluidics and Nanofluidics, 2015, 18, 343-356.	2.2	2
18	Batch sedimentation in an impulsively heated system. Journal of Petroleum Science and Engineering, 2014, 118, 15-26.	4.2	0

#	Article	IF	Citations
19	Gravity and capillary pressure-driven drainage in a vertical Hele-Shaw cell: Thin film deposition. Chemical Engineering Science, 2014, 109, 147-157.	3.8	3
20	Capillary-pressure driven adhesion of rigid-planar surfaces. Journal of Colloid and Interface Science, 2011, 354, 816-824.	9.4	17
21	Gas-driven displacement of a liquid in a partially filled radial Hele-Shaw cell. Physical Review E, 2011, 83, 046316.	2.1	10
22	Self-similarity in particle-laden flows at constant volume. Journal of Engineering Mathematics, 2010, 66, 53-63.	1.2	6
23	Drop Production and Tip-Streaming Phenomenon in a Microfluidic Flow-Focusing Device via an Interfacial Chemical Reaction. Langmuir, 2010, 26, 9233-9239.	3.5	50
24	Experimental study of gravitation effects in the flow of a particle-laden thin film on an inclined plane. Physics of Fluids, 2009, 21, .	4.0	32
25	Electrohydrostatically Driven Flow and Instability in a Vertical Hele-Shaw Cell. Langmuir, 2008, 24, 3611-3620.	3.5	4
26	Matched asymptotic shock-layer analysis of the interaction between a planar viscous-hypersonic boundary layer and a thin inviscid layer. Theoretical and Computational Fluid Dynamics, 0, , .	2.2	1