Philippe H Trinh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8725651/publications.pdf

Version: 2024-02-01

26	343	840776 11	839539 18
papers	citations	h-index	g-index

28	28	28	319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bending of elastic fibres in viscous flows: the influence of confinement. Journal of Fluid Mechanics, 2013, 720, 517-544.	3.4	52
2	The ventilation of buildings and other mitigating measures for COVID-19: a focus on wintertime. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20200855.	2.1	47
3	Curvature suppresses the Rayleigh-Taylor instability. Physics of Fluids, 2014, 26, .	4.0	33
4	The dynamics of localized spot patterns for reaction-diffusion systems on the sphere. Nonlinearity, 2016, 29, 766-806.	1.4	26
5	Do waveless ships exist? Results for single-cornered hulls. Journal of Fluid Mechanics, 2011, 685, 413-439.	3.4	25
6	On the distinguished limits of the Navier slip model of the moving contact line problem. Journal of Fluid Mechanics, 2015, 772, 107-126.	3.4	19
7	New gravityâ€“capillary waves at low speeds. Part 1. Linear geometries. Journal of Fluid Mechanics, 2013, 724, 367-391.	3.4	17
8	New gravityâ€“capillary waves at low speeds. Part 2. Nonlinear geometries. Journal of Fluid Mechanics, 2013, 724, 392-424.	3.4	15
9	Exponential Asymptotics for Thin Film Rupture. SIAM Journal on Applied Mathematics, 2013, 73, 232-253.	1.8	14
10	The wake of a two-dimensional ship in the low-speed limit: results for multi-cornered hulls. Journal of Fluid Mechanics, 2014, 741, 492-513.	3.4	13
11	Shear-induced instabilities of flows through submerged vegetation. Journal of Fluid Mechanics, 2020, 891, .	3.4	13
12	New singularities for Stokes waves. Journal of Fluid Mechanics, 2016, 798, 256-283.	3.4	10
13	Exponential Asymptotics and Stokes Line Smoothing for Generalized Solitary Waves. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2010, , 121-126.	0.6	9
14	Influence of van der Waals forces on a bubble moving in a tube. Physical Review Fluids, 2017, 2, .	2.5	9
15	Exponential asymptotics for steady parasitic capillary ripples on steep gravity waves. Journal of Fluid Mechanics, 2022, 939, .	3.4	8
16	Exponential asymptotics with coalescing singularities. Nonlinearity, 2015, 28, 1229-1256.	1.4	5
17	A topological study of gravity free-surface waves generated by bluff bodies using the method of steepest descents. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150833.	2.1	5
18	On the structure of steady parasitic gravity-capillary waves in the small surface tension limit. Journal of Fluid Mechanics, 2021, 922, .	3.4	5

#	Article	IF	Citations
19	A pinned or free-floating rigid plate on a thin viscous film. Journal of Fluid Mechanics, 2014, 760, 407-430.	3.4	4
20	On reduced models for gravity waves generated by moving bodies. Journal of Fluid Mechanics, 2017, 813, 824-859.	3.4	3
21	Complex singularities near the intersection of aÂfree surface and wall. PartÂ1. Vertical jets andÂrising bubbles. Journal of Fluid Mechanics, 2018, 856, 323-350.	3.4	3
22	Bending of elastic fibres in viscous flows: the influence of confinement â€“ CORRIGENDUM. Journal of Fluid Mechanics, 2013, 733, 684-684.	3.4	2
23	Gravityâ€“capillary waves in reduced models for waveâ€“structure interactions. Journal of Fluid Mechanics, 2020, 890, .	3.4	2
24	Localized Spot Patterns on the Sphere for Reaction-Diffusion Systems: Theory and Open Problems. , 2016, , 641-651.		2
25	Unifying the steady state resonant solutions of the periodically forced KdVB, mKdVB, and eKdVB equations. Journal of Computational and Applied Mathematics, 2010, 234, 1788-1795.	2.0	1
26	Multiple-scales analysis of wave evolution in the presence of rigid vegetation. Journal of Fluid Mechanics, 2022, 935, .	3.4	1