

Philippe H Trinh

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

343
citations

840776

11
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

319
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple-scales analysis of wave evolution in the presence of rigid vegetation. <i>Journal of Fluid Mechanics</i> , 2022, 935, .	3.4	1
2	Exponential asymptotics for steady parasitic capillary ripples on steep gravity waves. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	3.4	8
3	The ventilation of buildings and other mitigating measures for COVID-19: a focus on wintertime. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20200855.	2.1	47
4	On the structure of steady parasitic gravity-capillary waves in the small surface tension limit. <i>Journal of Fluid Mechanics</i> , 2021, 922, .	3.4	5
5	Shear-induced instabilities of flows through submerged vegetation. <i>Journal of Fluid Mechanics</i> , 2020, 891, .	3.4	13
6	Gravityâ€“capillary waves in reduced models for waveâ€“structure interactions. <i>Journal of Fluid Mechanics</i> , 2020, 890, .	3.4	2
7	Complex singularities near the intersection of a free surface and wall. Part 1. Vertical jets and rising bubbles. <i>Journal of Fluid Mechanics</i> , 2018, 856, 323-350.	3.4	3
8	On reduced models for gravity waves generated by moving bodies. <i>Journal of Fluid Mechanics</i> , 2017, 813, 824-859.	3.4	3
9	Influence of van der Waals forces on a bubble moving in a tube. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	9
10	New singularities for Stokes waves. <i>Journal of Fluid Mechanics</i> , 2016, 798, 256-283.	3.4	10
11	A topological study of gravity free-surface waves generated by bluff bodies using the method of steepest descents. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20150833.	2.1	5
12	The dynamics of localized spot patterns for reaction-diffusion systems on the sphere. <i>Nonlinearity</i> , 2016, 29, 766-806.	1.4	26
13	Localized Spot Patterns on the Sphere for Reaction-Diffusion Systems: Theory and Open Problems. , 2016, , 641-651.		2
14	Exponential asymptotics with coalescing singularities. <i>Nonlinearity</i> , 2015, 28, 1229-1256.	1.4	5
15	On the distinguished limits of the Navier slip model of the moving contact line problem. <i>Journal of Fluid Mechanics</i> , 2015, 772, 107-126.	3.4	19
16	A pinned or free-floating rigid plate on a thin viscous film. <i>Journal of Fluid Mechanics</i> , 2014, 760, 407-430.	3.4	4
17	Curvature suppresses the Rayleigh-Taylor instability. <i>Physics of Fluids</i> , 2014, 26, .	4.0	33
18	The wake of a two-dimensional ship in the low-speed limit: results for multi-cornered hulls. <i>Journal of Fluid Mechanics</i> , 2014, 741, 492-513.	3.4	13

#	ARTICLE	IF	CITATIONS
19	Bending of elastic fibres in viscous flows: the influence of confinement. <i>Journal of Fluid Mechanics</i> , 2013, 720, 517-544.	3.4	52
20	Exponential Asymptotics for Thin Film Rupture. <i>SIAM Journal on Applied Mathematics</i> , 2013, 73, 232-253.	1.8	14
21	Bending of elastic fibres in viscous flows: the influence of confinement – CORRIGENDUM. <i>Journal of Fluid Mechanics</i> , 2013, 733, 684-684.	3.4	2
22	New gravity–capillary waves at low speeds. Part 2. Nonlinear geometries. <i>Journal of Fluid Mechanics</i> , 2013, 724, 392-424.	3.4	15
23	New gravity–capillary waves at low speeds. Part 1. Linear geometries. <i>Journal of Fluid Mechanics</i> , 2013, 724, 367-391.	3.4	17
24	Do waveless ships exist? Results for single-cornered hulls. <i>Journal of Fluid Mechanics</i> , 2011, 685, 413-439.	3.4	25
25	Unifying the steady state resonant solutions of the periodically forced KdVB, mKdVB, and eKdVB equations. <i>Journal of Computational and Applied Mathematics</i> , 2010, 234, 1788-1795.	2.0	1
26	Exponential Asymptotics and Stokes Line Smoothing for Generalized Solitary Waves. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2010, , 121-126.	0.6	9