Christopher J Lustri

List of Publications by Year
in descending order

22	227	1040056 9	996975 15
papers	citations	h-index	g-index

22	22	22	108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Free surface flow past topography: A beyond-all-orders approach. European Journal of Applied Mathematics, 2012, 23, 441-467.	2.9	26
2	Stokes phenomena in discrete PainlevÃ© I. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140874.	2.1	23
3	Standing lattice solitons in the discrete NLS equation with saturation. Nonlinearity, 2019, 32, 3445-3484.	1.4	23
4	Nanoptera in a Period-2 Toda Chain. SIAM Journal on Applied Dynamical Systems, 2018, 17, 1182-1212.	1.6	22
5	Stokes phenomena in discrete PainlevÃ© II. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160539.	2.1	19
6	Exponential asymptotics of free surface flow due to a line source. IMA Journal of Applied Mathematics, 2013, 78, 697-713.	1.6	15
7	Steady gravity waves due to a submerged source. Journal of Fluid Mechanics, 2013, 732, 660-686.	3.4	14
8	Kelvin wake pattern at small Froude numbers. Journal of Fluid Mechanics, 2021, 915, .	3.4	11
9	Nanoptera and Stokes curves in the 2-periodic Fermiâ€“Pastaâ€“Ulamâ€“Tsingou equation. Physica D: Nonlinear Phenomena, 2020, 402, 132239.	2.8	10
10	Unsteady flow over a submerged source with low Froude number. European Journal of Applied Mathematics, 2014, 25, 655-680.	2.9	9
11	Individual error correction drives responsive self-assembly of army ant scaffolds. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
12	The effect of surface tension on steadily translating bubbles in an unbounded Hele-Shaw cell. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170050.	2.1	9
13	Generalized solitary waves in a finiteâ€difference Kortewegâ€de Vries equation. Studies in Applied Mathematics, 2019, 142, 359-384.	2.4	8
14	Three-dimensional capillary waves due to a submerged source with small surface tension. Journal of Fluid Mechanics, 2019, 863, 670-701.	3.4	5
15	Morphogenesis of mesoscopic surface patterns formed in polarized two-photon etching of diamond. Carbon, 2021, 173, 271-285.	10.3	5
16	Nanoptera in Weakly Nonlinear Woodpile Chains and Diatomic Granular Chains. SIAM Journal on Applied Dynamical Systems, 2021, 20, 2412-2449.	1.6	5
17	Selection of a Hele-Shaw Bubble via Exponential Asymptotics. SIAM Journal on Applied Mathematics, 2020, 80, 289-311.	1.8	4
18	Multiple scales and matched asymptotic expansions for the discrete logistic equation. Nonlinear Dynamics, 2016, 85, 1345-1362.	5.2	3

#	Article	IF	Citations
19	Capturing the cascade: a transseries approach to delayed bifurcations. Nonlinearity, 2021, 34, 8248-8282.	1.4	3
20	On Asymptotics of Optimal Stopping Times. Mathematics, 2022, 10, 194.	2.2	2
21	Nonlinear q-Stokes phenomena for q-PainlevÃ© I. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 065204.	2.1	1
22	A note on the Stokes phenomenon in flow under an elastic sheet. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190530.	3.4	1