

Miles H Wheeler

List of Publications by Year in descending order

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papers

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docs citations

24
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Amplitude Solitary Water Waves with Vorticity. SIAM Journal on Mathematical Analysis, 2013, 45, 2937-2994.	1.9	26
2	Global Bifurcation of Rotating Vortex Patches. Communications on Pure and Applied Mathematics, 2020, 73, 1933-1980.	3.1	22
3	The Froude number for solitary water waves with vorticity. Journal of Fluid Mechanics, 2015, 768, 91-112.	3.4	20
4	Existence and qualitative theory for stratified solitary water waves. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2018, 35, 517-576.	1.4	20
5	Bound on the Slope of Steady Water Waves with Favorable Vorticity. Archive for Rational Mechanics and Analysis, 2016, 222, 1555-1580.	2.4	16
6	On stratified water waves with critical layers and Coriolis forces. Discrete and Continuous Dynamical Systems, 2019, 39, 4747-4770.	0.9	14
7	Solitary Water Waves of Large Amplitude Generated by Surface Pressure. Archive for Rational Mechanics and Analysis, 2015, 218, 1131-1187.	2.4	13
8	Exact free surfaces in constant vorticity flows. Journal of Fluid Mechanics, 2020, 896, .	3.4	13
9	Analysis of the Laplacian and spectral operators on the Vicsek set. Communications on Pure and Applied Analysis, 2010, 10, 1-44.	0.8	13
10	Traveling water waves "the ebb and flow of two centuries. Quarterly of Applied Mathematics, 2022, 80, 317-401.	0.7	12
11	Stuart-type polar vortices on a rotating sphere. Discrete and Continuous Dynamical Systems, 2021, 41, 201-215.	0.9	9
12	Steady point vortex pair in a field of Stuart-type vorticity. Journal of Fluid Mechanics, 2019, 874, .	3.4	8
13	On the existence and qualitative theory of stratified solitary water waves. Comptes Rendus Mathematique, 2016, 354, 601-605.	0.3	7
14	Liouville chains: new hybrid vortex equilibria of the two-dimensional Euler equation. Journal of Fluid Mechanics, 2021, 921, .	3.4	7
15	Nonexistence of Subcritical Solitary Waves. Archive for Rational Mechanics and Analysis, 2021, 241, 535-552.	2.4	6
16	Global bifurcation of solitary waves for the Whitham equation. Mathematische Annalen, 0, , 1.	1.4	6
17	Integral and Asymptotic Properties of Solitary Waves in Deep Water. Communications on Pure and Applied Mathematics, 2018, 71, 1941-1956.	3.1	5
18	Existence, Nonexistence, and Asymptotics of Deep Water Solitary Waves with Localized Vorticity. Archive for Rational Mechanics and Analysis, 2019, 234, 595-633.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Global Bifurcation of Anti-plane Shear Fronts. <i>Journal of Nonlinear Science</i> , 2021, 31, 1.	2.1	4
20	A transformation between stationary point vortex equilibria. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200310.	2.1	4
21	Simplified Models for Equatorial Waves with Vertical Structure. <i>Oceanography</i> , 2018, 31, 36-41.	1.0	4
22	Solitary waves in a Whitham equation with small surface tension. <i>Studies in Applied Mathematics</i> , 0, , .	2.4	4
23	Center manifolds without a phase space for quasilinear problems in elasticity, biology, and hydrodynamics. <i>Nonlinearity</i> , 2022, 35, 1927-1985.	1.4	4
24	Large-amplitude internal fronts in two-fluid systems. <i>Comptes Rendus Mathematique</i> , 2020, 358, 1073-1083.	0.3	2