

# Miles H Wheeler

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

244  
citations

933447

10  
h-index

1058476

14  
g-index

24  
all docs

24  
docs citations

24  
times ranked

70  
citing authors

#	ARTICLE	IF	CITATIONS
1	Center manifolds without a phase space for quasilinear problems in elasticity, biology, and hydrodynamics. <i>Nonlinearity</i> , 2022, 35, 1927-1985.	1.4	4
2	Traveling water waves in the ebb and flow of two centuries. <i>Quarterly of Applied Mathematics</i> , 2022, 80, 317-401.	0.7	12
3	Stuart-type polar vortices on a rotating sphere. <i>Discrete and Continuous Dynamical Systems</i> , 2021, 41, 201-215.	0.9	9
4	Global Bifurcation of Anti-plane Shear Fronts. <i>Journal of Nonlinear Science</i> , 2021, 31, 1.	2.1	4
5	Nonexistence of Subcritical Solitary Waves. <i>Archive for Rational Mechanics and Analysis</i> , 2021, 241, 535-552.	2.4	6
6	Liouville chains: new hybrid vortex equilibria of the two-dimensional Euler equation. <i>Journal of Fluid Mechanics</i> , 2021, 921, .	3.4	7
7	Global Bifurcation of Rotating Vortex Patches. <i>Communications on Pure and Applied Mathematics</i> , 2020, 73, 1933-1980.	3.1	22
8	Exact free surfaces in constant vorticity flows. <i>Journal of Fluid Mechanics</i> , 2020, 896, .	3.4	13
9	Large-amplitude internal fronts in two-fluid systems. <i>Comptes Rendus Mathematique</i> , 2020, 358, 1073-1083.	0.3	2
10	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
11	Existence, Nonexistence, and Asymptotics of Deep Water Solitary Waves with Localized Vorticity. <i>Archive for Rational Mechanics and Analysis</i> , 2019, 234, 595-633.	2.4	5
12	Steady point vortex pair in a field of Stuart-type vorticity. <i>Journal of Fluid Mechanics</i> , 2019, 874, .	3.4	8
13	On stratified water waves with critical layers and Coriolis forces. <i>Discrete and Continuous Dynamical Systems</i> , 2019, 39, 4747-4770.	0.9	14
14	Existence and qualitative theory for stratified solitary water waves. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2018, 35, 517-576.	1.4	20
15	Integral and Asymptotic Properties of Solitary Waves in Deep Water. <i>Communications on Pure and Applied Mathematics</i> , 2018, 71, 1941-1956.	3.1	5
16	Simplified Models for Equatorial Waves with Vertical Structure. <i>Oceanography</i> , 2018, 31, 36-41.	1.0	4
17	Bound on the Slope of Steady Water Waves with Favorable Vorticity. <i>Archive for Rational Mechanics and Analysis</i> , 2016, 222, 1555-1580.	2.4	16
18	On the existence and qualitative theory of stratified solitary water waves. <i>Comptes Rendus Mathematique</i> , 2016, 354, 601-605.	0.3	7

#	ARTICLE	IF	CITATIONS
19	Solitary Water Waves of Large Amplitude Generated by Surface Pressure. <i>Archive for Rational Mechanics and Analysis</i> , 2015, 218, 1131-1187.	2.4	13
20	The Froude number for solitary water waves with vorticity. <i>Journal of Fluid Mechanics</i> , 2015, 768, 91-112.	3.4	20
21	Large-Amplitude Solitary Water Waves with Vorticity. <i>SIAM Journal on Mathematical Analysis</i> , 2013, 45, 2937-2994.	1.9	26
22	Analysis of the Laplacian and spectral operators on the Vicsek set. <i>Communications on Pure and Applied Analysis</i> , 2010, 10, 1-44.	0.8	13
23	Global bifurcation of solitary waves for the Whitham equation. <i>Mathematische Annalen</i> , 0, , 1.	1.4	6
24	Solitary waves in a Whitham equation with small surface tension. <i>Studies in Applied Mathematics</i> , 0, , .	2.4	4