

Vera Mikyoung Hur

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

439
citations

13
h-index

19
g-index

33
ext. papers

526
ext. citations

1.8
avg. IF

4.68
L-index

#	Paper	IF	Citations
32	Numerical bifurcation and stability for the capillary-gravity Whitham equation. <i>Wave Motion</i> , 2021 , 106, 102793	1.8	
31	A new application of Crapper's exact solution to waves in constant vorticity flows. <i>European Journal of Mechanics, B/Fluids</i> , 2020 , 83, 190-194	2.4	3
30	Exact free surfaces in constant vorticity flows. <i>Journal of Fluid Mechanics</i> , 2020 , 896,	3.7	5
29	Stokes waves with constant vorticity: folds, gaps and fluid bubbles. <i>Journal of Fluid Mechanics</i> , 2019 , 878, 502-521	3.7	8
28	Modulational instability in a full-dispersion shallow water model. <i>Studies in Applied Mathematics</i> , 2019 , 142, 3-47	2.1	15
27	Stokes Waves in a Constant Vorticity Flow. <i>Tutorials, Schools, and Workshops in the Mathematical Sciences</i> , 2019 , 71-86	0.2	3
26	Stokes waves with constant vorticity: I. Numerical computation. <i>Studies in Applied Mathematics</i> , 2019 , 142, 162-189	2.1	10
25	Shallow water models with constant vorticity. <i>European Journal of Mechanics, B/Fluids</i> , 2019 , 73, 170-179	2.4	9
24	Wave Breaking in a Shallow Water Model. <i>SIAM Journal on Mathematical Analysis</i> , 2018 , 50, 354-380	1.7	9
23	Pressure Transfer Functions for Interfacial Fluids Problems. <i>Journal of Mathematical Fluid Mechanics</i> , 2017 , 19, 59-76	1.4	1
22	Modulational instability in the full-dispersion Camassa-Holm equation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017 , 473, 20170153	2.4	3
21	Wave breaking in the Whitham equation. <i>Advances in Mathematics</i> , 2017 , 317, 410-437	1.3	28
20	Modulational Instability in Equations of KdV Type. <i>Lecture Notes in Physics</i> , 2016 , 83-133	0.8	16
19	Modulational instability in nonlinear nonlocal equations of regularized long wave type. <i>Physica D: Nonlinear Phenomena</i> , 2016 , 325, 98-112	3.3	7
18	On the recovery of traveling water waves with vorticity from the pressure at the bed. <i>European Journal of Mechanics, B/Fluids</i> , 2016 , 60, 99-109	2.4	
17	Stability of Periodic Traveling Waves for Nonlinear Dispersive Equations. <i>SIAM Journal on Mathematical Analysis</i> , 2015 , 47, 3528-3554	1.7	18
16	Modulational Instability in the Whitham Equation for Water Waves. <i>Studies in Applied Mathematics</i> , 2015 , 134, 120-143	2.1	47

15	Modulational instability in the Whitham equation with surface tension and vorticity. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015 , 129, 104-118	1.3	25
14	Kinetic, potential and surface tension energies of solitary waves in deep water. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015 , 48, 42FT01	2	1
13	Modulational Instability and Variational Structure. <i>Studies in Applied Mathematics</i> , 2014 , 132, 285-331	2.1	11
12	Wave breaking for the Whitham equation with fractional dispersion. <i>Nonlinearity</i> , 2014 , 27, 2937-2949	1.7	9
11	No solitary waves exist on 2D deep water. <i>Nonlinearity</i> , 2012 , 25, 3301-3312	1.7	10
10	On the formation of singularities for surface water waves. <i>Communications on Pure and Applied Analysis</i> , 2012 , 11, 1465-1474	1.9	13
9	Stokeswaves with vorticity. <i>Journal DrAnalyse Mathematique</i> , 2011 , 113, 331-386	0.8	7
8	Strichartz Estimates for the Water-Wave Problem with Surface Tension. <i>Communications in Partial Differential Equations</i> , 2010 , 35, 2195-2252	1.6	26
7	Local smoothing effects for the water-wave problem with surface tension. <i>Comptes Rendus Mathematique</i> , 2009 , 347, 159-162	0.4	2
6	Solitary waves of the rotation-modified Kadomtsev-Betviashvili equation. <i>Nonlinearity</i> , 2008 , 21, 2949-2979	1.9	9
5	Exact Solitary Water Waves with Vorticity. <i>Archive for Rational Mechanics and Analysis</i> , 2008 , 188, 213-244	1.3	37
4	Unstable Surface Waves in Running Water. <i>Communications in Mathematical Physics</i> , 2008 , 282, 733-796	2	25
3	Symmetry of Solitary Water Waves with Vorticity. <i>Mathematical Research Letters</i> , 2008 , 15, 491-509	0.6	24
2	Symmetry of steady periodic water waves with vorticity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 2203-14	3	27
1	Global Bifurcation Theory of Deep-Water Waves with Vorticity. <i>SIAM Journal on Mathematical Analysis</i> , 2006 , 37, 1482-1521	1.7	31