

# Vera Mikyoung Hur

## List of Publications by Citations

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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	Modulational Instability in the Whitham Equation for Water Waves. <i>Studies in Applied Mathematics</i> , <b>2015</b> , 134, 120-143	2.1	47
31	Exact Solitary Water Waves with Vorticity. <i>Archive for Rational Mechanics and Analysis</i> , <b>2008</b> , 188, 213-244	4.3	37
30	Global Bifurcation Theory of Deep-Water Waves with Vorticity. <i>SIAM Journal on Mathematical Analysis</i> , <b>2006</b> , 37, 1482-1521	1.7	31
29	Wave breaking in the Whitham equation. <i>Advances in Mathematics</i> , <b>2017</b> , 317, 410-437	1.3	28
28	Symmetry of steady periodic water waves with vorticity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2007</b> , 365, 2203-14	3	27
27	Strichartz Estimates for the Water-Wave Problem with Surface Tension. <i>Communications in Partial Differential Equations</i> , <b>2010</b> , 35, 2195-2252	1.6	26
26	Modulational instability in the Whitham equation with surface tension and vorticity. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2015</b> , 129, 104-118	1.3	25
25	Unstable Surface Waves in Running Water. <i>Communications in Mathematical Physics</i> , <b>2008</b> , 282, 733-796	2	25
24	Symmetry of Solitary Water Waves with Vorticity. <i>Mathematical Research Letters</i> , <b>2008</b> , 15, 491-509	0.6	24
23	Stability of Periodic Traveling Waves for Nonlinear Dispersive Equations. <i>SIAM Journal on Mathematical Analysis</i> , <b>2015</b> , 47, 3528-3554	1.7	18
22	Modulational Instability in Equations of KdV Type. <i>Lecture Notes in Physics</i> , <b>2016</b> , 83-133	0.8	16
21	Modulational instability in a full-dispersion shallow water model. <i>Studies in Applied Mathematics</i> , <b>2019</b> , 142, 3-47	2.1	15
20	On the formation of singularities for surface water waves. <i>Communications on Pure and Applied Analysis</i> , <b>2012</b> , 11, 1465-1474	1.9	13
19	Modulational Instability and Variational Structure. <i>Studies in Applied Mathematics</i> , <b>2014</b> , 132, 285-331	2.1	11
18	No solitary waves exist on 2D deep water. <i>Nonlinearity</i> , <b>2012</b> , 25, 3301-3312	1.7	10
17	Stokes waves with constant vorticity: I. Numerical computation. <i>Studies in Applied Mathematics</i> , <b>2019</b> , 142, 162-189	2.1	10
16	Wave Breaking in a Shallow Water Model. <i>SIAM Journal on Mathematical Analysis</i> , <b>2018</b> , 50, 354-380	1.7	9

15	Wave breaking for the Whitham equation with fractional dispersion. <i>Nonlinearity</i> , <b>2014</b> , 27, 2937-2949	1.7	9
14	Solitary waves of the rotation-modified Kadomtsev-Petviashvili equation. <i>Nonlinearity</i> , <b>2008</b> , 21, 2949-2979		9
13	Shallow water models with constant vorticity. <i>European Journal of Mechanics, B/Fluids</i> , <b>2019</b> , 73, 170-179	2.4	9
12	Stokes waves with constant vorticity: folds, gaps and fluid bubbles. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 878, 502-521	3.7	8
11	Modulational instability in nonlinear nonlocal equations of regularized long wave type. <i>Physica D: Nonlinear Phenomena</i> , <b>2016</b> , 325, 98-112	3.3	7
10	Stokes waves with vorticity. <i>Journal d'Analyse Mathématique</i> , <b>2011</b> , 113, 331-386	0.8	7
9	Exact free surfaces in constant vorticity flows. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 896,	3.7	5
8	A new application of Crapper's exact solution to waves in constant vorticity flows. <i>European Journal of Mechanics, B/Fluids</i> , <b>2020</b> , 83, 190-194	2.4	3
7	Modulational instability in the full-dispersion Camassa-Holm equation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2017</b> , 473, 20170153	2.4	3
6	Stokes Waves in a Constant Vorticity Flow. <i>Tutorials, Schools, and Workshops in the Mathematical Sciences</i> , <b>2019</b> , 71-86	0.2	3
5	Local smoothing effects for the water-wave problem with surface tension. <i>Comptes Rendus Mathématique</i> , <b>2009</b> , 347, 159-162	0.4	2
4	Pressure Transfer Functions for Interfacial Fluids Problems. <i>Journal of Mathematical Fluid Mechanics</i> , <b>2017</b> , 19, 59-76	1.4	1
3	Kinetic, potential and surface tension energies of solitary waves in deep water. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2015</b> , 48, 42FT01	2	1
2	On the recovery of traveling water waves with vorticity from the pressure at the bed. <i>European Journal of Mechanics, B/Fluids</i> , <b>2016</b> , 60, 99-109	2.4	
1	Numerical bifurcation and stability for the capillary-gravity Whitham equation. <i>Wave Motion</i> , <b>2021</b> , 106, 102793	1.8	