

# Michael Stiassnie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11469306/publications.pdf>

Version: 2024-02-01

34  
papers

878  
citations

516561

16  
h-index

454834

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic wave forecasting with the Zakharov equation. <i>Journal of Fluid Mechanics</i> , 2021, 913, .	1.4	13
2	On the Alber equation for shoaling water waves. <i>Journal of Fluid Mechanics</i> , 2021, 927, .	1.4	0
3	Freak waves caused by reflection. <i>Coastal Engineering</i> , 2021, 170, 104004.	1.7	7
4	Bound-waves due to sea and swell trigger the generation of freak-waves. <i>Journal of Ocean Engineering and Marine Energy</i> , 2020, 6, 399-414.	0.9	3
5	On the Generalized Kinetic Equation for Surface Gravity Waves, Blow-Up and Its Restraint. <i>Fluids</i> , 2019, 4, 2.	0.8	4
6	Nonlinear dispersion for ocean surface waves. <i>Journal of Fluid Mechanics</i> , 2019, 859, 49-58.	1.4	13
7	Harnessing wave power in open seas II: very large arrays of wave-energy converters for 2D sea states. <i>Journal of Ocean Engineering and Marine Energy</i> , 2017, 3, 151-160.	0.9	6
8	On the strength of the weakly nonlinear theory for surface gravity waves. <i>Journal of Fluid Mechanics</i> , 2017, 810, 1-4.	1.4	8
9	On the steady-state nearly resonant waves. <i>Journal of Fluid Mechanics</i> , 2016, 794, 175-199.	1.4	38
10	Adapting Havelock's wave-maker theorem to acoustic-gravity waves. <i>IMA Journal of Applied Mathematics</i> , 2016, 81, 631-646.	0.8	3
11	Harnessing wave power in open seas. <i>Journal of Ocean Engineering and Marine Energy</i> , 2016, 2, 47-57.	0.9	3
12	Phase-averaged equation for water waves. <i>Journal of Fluid Mechanics</i> , 2013, 718, 280-303.	1.4	25
13	Progressive waves in a compressible-ocean with an elastic bottom. <i>Wave Motion</i> , 2013, 50, 929-939.	1.0	50
14	Tsunami and acoustic-gravity waves in water of constant depth. <i>Physics of Fluids</i> , 2013, 25, .	1.6	24
15	On the steady-state fully resonant progressive waves in water of finite depth. <i>Journal of Fluid Mechanics</i> , 2012, 710, 379-418.	1.4	69
16	Acoustic-gravity waves interacting with the shelf break. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
17	Fetch-limited growth of wind waves. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	3
18	An idealized model for tsunami study. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	6

#	ARTICLE	IF	CITATIONS
19	Tsunamis and acoustic-gravity waves from underwater earthquakes. <i>Journal of Engineering Mathematics</i> , 2010, 67, 23-32.	0.6	52
20	On Zakharov's kernel and the interaction of non-collinear wavetrains in finite water depth. <i>Journal of Fluid Mechanics</i> , 2009, 639, 433-442.	1.4	19
21	Prediction of Long Forcing Waves for Harbor Agitation Studies. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2006, 132, 166-171.	0.5	14
22	Multiple gravity-“capillary wave forms near the minimum phase speed. <i>Journal of Fluid Mechanics</i> , 1999, 384, 93-106.	1.4	0
23	Water waves in a deep square basin. <i>Journal of Fluid Mechanics</i> , 1995, 302, 65-90.	1.4	13
24	Different forms for nonlinear standing waves in deep water. <i>Journal of Fluid Mechanics</i> , 1994, 272, 135-156.	1.4	42
25	Nonlinear evolution of a unidirectional shoaling wave field. <i>Coastal Engineering</i> , 1993, 20, 29-58.	1.7	60
26	High-order formulation of the water-wave problem. <i>Physica D: Nonlinear Phenomena</i> , 1993, 66, 347-367.	1.3	9
27	Remote sensing of the roughness of a fractal sea surface. <i>Journal of Geophysical Research</i> , 1991, 96, 12773-12779.	3.3	23
28	Fractal dimensions of random water surfaces. <i>Physica D: Nonlinear Phenomena</i> , 1991, 47, 341-352.	1.3	22
29	Energy computations for evolution of class I and II instabilities of Stokes waves. <i>Journal of Fluid Mechanics</i> , 1987, 174, 299-312.	1.4	57
30	Shoaling of nonlinear wave-groups on water of slowly varying depth. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1985, 36, 680-698.	0.7	4
31	Note on the modified nonlinear Schrödinger equation for deep water waves. <i>Wave Motion</i> , 1984, 6, 431-433.	1.0	88
32	On modifications of the Zakharov equation for surface gravity waves. <i>Journal of Fluid Mechanics</i> , 1984, 143, 47-67.	1.4	127
33	Derivation of the nonlinear Schrödinger Equation for shoaling wave-groups. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1983, 34, 534-544.	0.7	4
34	Long-time evolution of an unstable water-wave train. <i>Journal of Fluid Mechanics</i> , 1982, 116, 207-225.	1.4	36