

Michael Stiassnie

List of Publications by Year in descending order

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34
papers

878
citations

516561

16
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454834

30
g-index

34
all docs

34
docs citations

34
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	On modifications of the Zakharov equation for surface gravity waves. Journal of Fluid Mechanics, 1984, 143, 47-67.	1.4	127
2	Note on the modified nonlinear Schrödinger equation for deep water waves. Wave Motion, 1984, 6, 431-433.	1.0	88
3	On the steady-state fully resonant progressive waves in water of finite depth. Journal of Fluid Mechanics, 2012, 710, 379-418.	1.4	69
4	Nonlinear evolution of a unidirectional shoaling wave field. Coastal Engineering, 1993, 20, 29-58.	1.7	60
5	Energy computations for evolution of class I and II instabilities of Stokes waves. Journal of Fluid Mechanics, 1987, 174, 299-312.	1.4	57
6	Tsunamis and acoustic-gravity waves from underwater earthquakes. Journal of Engineering Mathematics, 2010, 67, 23-32.	0.6	52
7	Progressive waves in a compressible-ocean with an elastic bottom. Wave Motion, 2013, 50, 929-939.	1.0	50
8	Different forms for nonlinear standing waves in deep water. Journal of Fluid Mechanics, 1994, 272, 135-156.	1.4	42
9	On the steady-state nearly resonant waves. Journal of Fluid Mechanics, 2016, 794, 175-199.	1.4	38
10	Long-time evolution of an unstable water-wave train. Journal of Fluid Mechanics, 1982, 116, 207-225.	1.4	36
11	Acoustic-gravity waves interacting with the shelf break. Journal of Geophysical Research, 2012, 117, .	3.3	33
12	Phase-averaged equation for water waves. Journal of Fluid Mechanics, 2013, 718, 280-303.	1.4	25
13	Tsunami and acoustic-gravity waves in water of constant depth. Physics of Fluids, 2013, 25, .	1.6	24
14	Remote sensing of the roughness of a fractal sea surface. Journal of Geophysical Research, 1991, 96, 12773-12779.	3.3	23
15	Fractal dimensions of random water surfaces. Physica D: Nonlinear Phenomena, 1991, 47, 341-352.	1.3	22
16	On Zakharov's kernel and the interaction of non-collinear wavetrains in finite water depth. Journal of Fluid Mechanics, 2009, 639, 433-442.	1.4	19
17	Prediction of Long Forcing Waves for Harbor Agitation Studies. Journal of Waterway, Port, Coastal and Ocean Engineering, 2006, 132, 166-171.	0.5	14
18	Water waves in a deep square basin. Journal of Fluid Mechanics, 1995, 302, 65-90.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Nonlinear dispersion for ocean surface waves. <i>Journal of Fluid Mechanics</i> , 2019, 859, 49-58.	1.4	13
20	Deterministic wave forecasting with the Zakharov equation. <i>Journal of Fluid Mechanics</i> , 2021, 913, .	1.4	13
21	High-order formulation of the water-wave problem. <i>Physica D: Nonlinear Phenomena</i> , 1993, 66, 347-367.	1.3	9
22	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
23	Freak waves caused by reflection. <i>Coastal Engineering</i> , 2021, 170, 104004.	1.7	7
24	An idealized model for tsunami study. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	6
25	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
26	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
27	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
28	On the Generalized Kinetic Equation for Surface Gravity Waves, Blow-Up and Its Restraint. <i>Fluids</i> , 2019, 4, 2.	0.8	4
29	Fetch-limited growth of wind waves. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	3
30	Adapting Havelock's wave-maker theorem to acoustic-gravity waves. <i>IMA Journal of Applied Mathematics</i> , 2016, 81, 631-646.	0.8	3
31	Harnessing wave power in open seas. <i>Journal of Ocean Engineering and Marine Energy</i> , 2016, 2, 47-57.	0.9	3
32	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
33	Multiple gravity-capillary wave forms near the minimum phase speed. <i>Journal of Fluid Mechanics</i> , 1999, 384, 93-106.	1.4	0
34	On the Alber equation for shoaling water waves. <i>Journal of Fluid Mechanics</i> , 2021, 927, .	1.4	0