

Mitsuhiro Tanaka

List of Publications by Year in descending order

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18
papers

757
citations

759233

12
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	The stability of solitary waves. <i>Physics of Fluids</i> , 1986, 29, 650.	1.4	171
2	The Stability of Steep Gravity Waves. <i>Journal of the Physical Society of Japan</i> , 1983, 52, 3047-3055.	1.6	90
3	Verification of Hasselmann's energy transfer among surface gravity waves by direct numerical simulations of primitive equations. <i>Journal of Fluid Mechanics</i> , 2001, 444, 199-221.	3.4	88
4	A method of studying nonlinear random field of surface gravity waves by direct numerical simulation. <i>Fluid Dynamics Research</i> , 2001, 28, 41-60.	1.3	71
5	On the crest instabilities of steep surface waves. <i>Journal of Fluid Mechanics</i> , 1997, 336, 51-68.	3.4	64
6	Mach reflection of a large-amplitude solitary wave. <i>Journal of Fluid Mechanics</i> , 1993, 248, 637-661.	3.4	61
7	Perturbations on the K-dV Solitons "An Approach Based on the Multiple Time Scale Expansion". <i>Journal of the Physical Society of Japan</i> , 1980, 49, 807-812.	1.6	60
8	The stability of steep gravity waves. Part 2. <i>Journal of Fluid Mechanics</i> , 1985, 156, 281.	3.4	40
9	On the Role of Resonant Interactions in the Short-Term Evolution of Deep-Water Ocean Spectra. <i>Journal of Physical Oceanography</i> , 2007, 37, 1022-1036.	1.7	31
10	Effects of discretization of the spectrum in water-wave turbulence. <i>Fluid Dynamics Research</i> , 2004, 34, 199-216.	1.3	26
11	Nonlinear Self-Modulation Problem of the Benjamin-Ono Equation. <i>Journal of the Physical Society of Japan</i> , 1982, 51, 2686-2692.	1.6	15
12	Nonlinear Self-Modulation of Interfacial Waves. <i>Journal of the Physical Society of Japan</i> , 1982, 51, 2016-2023.	1.6	15
13	A numerical study on the energy transfer from surface waves to interfacial waves in a two-layer fluid system. <i>Journal of Fluid Mechanics</i> , 2015, 763, 202-217.	3.4	12
14	Numerical verification of the random-phase-and-amplitude formalism of weak turbulence. <i>Physical Review E</i> , 2013, 87, 062922.	2.1	5
15	On the phase velocity effect of nonlinear interactions between surface gravity waves. <i>Physics of Fluids</i> , 2002, 14, 2109.	4.0	4
16	Effect of Weak Dissipation on Two Soliton Solution of the K-dV Equation. <i>Journal of the Physical Society of Japan</i> , 1979, 47, 2013-2020.	1.6	2
17	A numerical study on statistical characteristics of amplitude fluctuations in a wave turbulence. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1145-1155.	2.8	2
18	On the initial evolution of the weak turbulence spectrum in a system with a decay dispersion relation. <i>European Journal of Mechanics, B/Fluids</i> , 2018, 71, 103-112.	2.5	0