Mitsuhiro Tanaka

List of Publications by Year
in descending order

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