

Chiang Chung Mei

List of Publications by Year in Descending Order

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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.

52
papers

1,106
citations

18
h-index

31
g-index

54
ext. papers

1,252
ext. citations

3.5
avg, IF

4.51
L-index

#	Paper	IF	Citations
52	Tidal diffraction by a small island or cape, and tidal power from a coastal barrier. <i>Journal of Fluid Mechanics</i> , 2020 , 897,	3.7	1
51	Liquid film on a hydrophobic radome or roof top in rain. <i>Journal of Fluid Mechanics</i> , 2019 , 870, 1158-1174,	3.7	1
50	Asymptotic analysis of dispersive tsunami from a slender fault. <i>Journal of Hydrodynamics</i> , 2019 , 31, 1073-1084	3.7	1084
49	Sound signals of tsunamis from a slender fault. <i>Journal of Fluid Mechanics</i> , 2018 , 836, 352-373	3.7	10
48	Pressure and wall shear stress in blood hammer - Analytical theory. <i>Mathematical Biosciences</i> , 2016 , 280, 62-70	3.9	13
47	Surface water waves over a shallow canopy. <i>Journal of Fluid Mechanics</i> , 2015 , 768, 572-599	3.7	13
46	Landslide tsunamis in lakes. <i>Journal of Fluid Mechanics</i> , 2015 , 772, 784-804	3.7	18
45	Waves of intermediate length through an array of vertical cylinders. <i>Environmental Fluid Mechanics</i> , 2014 , 14, 235-261	2.2	27
44	Nonlinear resonance in Anaconda. <i>Journal of Fluid Mechanics</i> , 2014 , 750, 507-517	3.7	4
43	Flow and solute transport through a periodic array of vertical cylinders in shallow water. <i>Journal of Fluid Mechanics</i> , 2014 , 756, 903-934	3.7	9
42	Scattering of internal tides by irregular bathymetry of large extent. <i>Journal of Fluid Mechanics</i> , 2014 , 747, 481-505	3.7	7
41	Nonlinear long waves over a muddy beach. <i>Journal of Fluid Mechanics</i> , 2013 , 718, 371-397	3.7	4
40	Advective Diffusion of Contaminants in the Surf Zone. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2013 , 139, 437-454	1.7	2
39	Hydrodynamic principles of wave power extraction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 208-34	3	24
38	Note on tidal diffraction by a coastal barrier. <i>Applied Ocean Research</i> , 2012 , 36, 22-25	3.4	8
37	Theory of isobaric pressure exchanger for desalination. <i>Desalination and Water Treatment</i> , 2012 , 39, 112-122		7
36	Long waves through emergent coastal vegetation. <i>Journal of Fluid Mechanics</i> , 2011 , 687, 461-491	3.7	60

35	Approximate theory of acoustic waveguide of metamaterials. <i>Journal of Fluid Mechanics</i> , 2011 , 678, 203-220	3.7	3
34	Solid landslide generated waves. <i>Journal of Fluid Mechanics</i> , 2011 , 675, 529-539	3.7	8
33	Bragg scattering and wave-power extraction by an array of small buoys. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010 , 466, 79-106	2.4	22
32	Short and long waves over a muddy seabed. <i>Journal of Fluid Mechanics</i> , 2010 , 643, 33-58	3.7	30
31	Wave power extraction from an oscillating water column at the tip of a breakwater. <i>Journal of Fluid Mechanics</i> , 2009 , 626, 395-414	3.7	105
30	Wave-power extraction by a compact array of buoys. <i>Journal of Fluid Mechanics</i> , 2009 , 635, 389-413	3.7	42
29	Ships advancing near the critical speed in a shallow channel with a randomly uneven bed. <i>Journal of Fluid Mechanics</i> , 2008 , 616, 397-417	3.7	7
28	Attenuation of long interfacial waves over a randomly rough seabed. <i>Journal of Fluid Mechanics</i> , 2007 , 587, 73-96	3.7	14
27	Bragg scattering by a line array of small cylinders in a waveguide. Part 1. Linear aspects. <i>Journal of Fluid Mechanics</i> , 2007 , 583, 161-187	3.7	13
26	Subharmonic resonance of a trapped wave near a vertical cylinder by narrow-banded random incident waves. <i>Journal of Engineering Mathematics</i> , 2007 , 58, 157-166	1.2	1
25	Low-frequency spectra in a harbour excited by short and random incident waves. <i>Journal of Fluid Mechanics</i> , 2006 , 563, 261	3.7	11
24	Subharmonic resonance of a trapped wave near a vertical cylinder in a channel. <i>Journal of Fluid Mechanics</i> , 2006 , 561, 391	3.7	11
23	Second-order refraction and diffraction of surface water waves. <i>Journal of Fluid Mechanics</i> , 2006 , 552, 137	3.7	6
22	Wave-induced longitudinal vortices in a shallow current. <i>Journal of Fluid Mechanics</i> , 2006 , 551, 323	3.7	1
21	Evolution of solitons over a randomly rough seabed. <i>Physical Review E</i> , 2004 , 70, 016302	2.4	14
20	Slow spreading of fluid mud over a conical surface. <i>Journal of Fluid Mechanics</i> , 2004 , 519, 337-358	3.7	18
19	Effects of surface waves on a turbulent current over a smooth or rough seabed. <i>Journal of Fluid Mechanics</i> , 2003 , 497, 253-287	3.7	40
18	Weakly nonlinear surface waves over a random seabed. <i>Journal of Fluid Mechanics</i> , 2003 , 475, 247-268	3.7	31

17	Slow flow of a Bingham fluid in a shallow channel of finite width. <i>Journal of Fluid Mechanics</i> , 2001 , 431, 135-159	3.7	52
16	Do longshore bars shelter the shore?. <i>Journal of Fluid Mechanics</i> , 2000 , 404, 251-268	3.7	39
15	Formation of sand bars under surface waves. <i>Journal of Fluid Mechanics</i> , 2000 , 416, 315-348	3.7	37
14	Effects of weak wind and damping on Wilton's ripples. <i>Journal of Fluid Mechanics</i> , 1997 , 335, 141-163	3.7	6
13	Effects of a semipervious lens on soil vapour extraction. <i>Journal of Fluid Mechanics</i> , 1997 , 341, 385-413	3.7	2
12	Subharmonic resonance of Venice gates in waves. Part 2. Sinusoidally modulated incident waves. <i>Journal of Fluid Mechanics</i> , 1997 , 349, 327-359	3.7	24
11	Subharmonic resonance of Venice gates in waves. Part 1. Evolution equation and uniform incident waves. <i>Journal of Fluid Mechanics</i> , 1997 , 349, 295-325	3.7	29
10	The instability of sand ripples under partially standing surface waves. <i>Physics of Fluids</i> , 1997 , 9, 1606-1620	4.4	9
9	Stationary waves on an inclined sheet of viscous fluid at high Reynolds and moderate Weber numbers. <i>Journal of Fluid Mechanics</i> , 1996 , 307, 191-229	3.7	55
8	Homogenization theory applied to soil vapor extraction in aggregated soils. <i>Physics of Fluids</i> , 1996 , 8, 2298-2306	4.4	12
7	Modulation of three resonating gravity-capillary waves by a long gravity wave. <i>Journal of Fluid Mechanics</i> , 1995 , 290, 345-376	3.7	15
6	Roll waves on a layer of a muddy fluid flowing down a gentle slope: A Bingham model. <i>Physics of Fluids</i> , 1994 , 6, 2577-2590	4.4	57
5	Nonlinear resonance of free surface waves in a current over a sinusoidal bottom: a numerical study. <i>Journal of Fluid Mechanics</i> , 1994 , 279, 377-405	3.7	13
4	Wind effects on the nonlinear evolution of slowly varying gravity-capillary waves. <i>Journal of Fluid Mechanics</i> , 1994 , 267, 221-250	3.7	16
3	Roll waves on a shallow layer of mud modelled as a power-law fluid. <i>Journal of Fluid Mechanics</i> , 1994 , 263, 151-184	3.7	123
2	Strong Bragg scattering of low-frequency sound from a line source in shallow water. I: One uniform surface wave. <i>Journal of the Acoustical Society of America</i> , 1993 , 94, 1598-1608	2.2	2
1	Double reflection of capillary/gravity waves by a non-uniform current: a boundary-layer theory. <i>Journal of Fluid Mechanics</i> , 1993 , 251, 239-271	3.7	30