Philip Lf Liu

List of Publications by Year
in descending order

247 papers	10,523 citations	26630 56 h-index	42399 92 g-index
253 all docs	253 docs citations	253 times ranked	3822 citing authors

#	Article	IF	Citations
1	Filling inÂtheÂGaps ofÂtheÂTsunamigenic Sources inÂ2018 Palu Bay Tsunami. Springer Tracts in Civil Engineering, 2022, , 439-459.	0.5	0
2	Entrainment and adaptation processes in the evolution of collisional bedload layers. European Journal of Mechanics, B/Fluids, 2022, 92, 132-142.	2.5	1
3	Validation and inter-comparison of models for landslide tsunami generation. Ocean Modelling, 2022, 170, 101943.	2.4	18
4	Depth-integrated waveâ€“current models. Part 2. Current with an arbitrary profile. Journal of Fluid Mechanics, 2022, 936, .	3.4	7
5	On Stokes wave solutions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	2.1	4
6	Transient wave-induced pore-water-pressure and soil responses in a shallow unsaturated poroelastic seabed. Journal of Fluid Mechanics, 2022, 938, .	3.4	10
7	An empirical model for predicting wave attenuation inside vegetation domain. Ocean Engineering, 2022, 257, 111636.	4.3	1
8	Periodic water waves through suspended canopy. Coastal Engineering, 2021, 163, 103809.	4.0	4
9	Solitary Wave Interacting with a Submerged Circular Plate. Journal of Waterway, Port, Coastal and Ocean Engineering, 2021, 147, .	1.2	2
10	Receptivity and transition in a solitary wave boundary layer over random bottom topography. Journal of Fluid Mechanics, 2021, 912, .	3.4	1
11	Run-up and inundation generated by non-decaying dam-break bores on a planar beach. Journal of Fluid Mechanics, 2021, 915, .	3.4	8
12	Nonâ€Stationary Probabilistic Tsunami Hazard Assessments Incorporating Climateâ€Changeâ€Driven Sea Level Rise. Earth's Future, 2021, 9, e2021EF002007.	6.3	16
13	On water waves generated by a bottom obstacle translating at a subcritical speed. Journal of Fluid Mechanics, 2021, 923, .	3.4	8
14	Effect of flexible coastal vegetation on waves in water of intermediate depth. Coastal Engineering, 2021, 168, 103937.	4.0	8
15	On the evolution and runup of a train of solitary waves on a uniform beach. Coastal Engineering, 2021, 170, 104015.	4.0	15
16	Numerical and experimental studies of turbulence in vegetated open-channel flows. Environmental Fluid Mechanics, 2021, 21, 1137-1163.	1.6	4
17	Numerical study on impacts of a concurrent storm-tide-tsunami event in Macau and Hong Kong. Coastal Engineering, 2021, 170, 104000.	4.0	4
18	SPH simulation of the 2007 Chehalis Lake landslide and subsequent tsunami. Journal of Hydraulic Research/De Recherches Hydrauliques, 2021, 59, 863-887.	1.7	9

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19	Depth-integrated waveâ€“current models. Part 1. Two-dimensional formulation and applications. Journal of Fluid Mechanics, 2020, 883, .	3.4	10
20	Modeling Uncertainties of Bathymetry Predicted With Satellite Altimetry Data and Application to Tsunami Hazard Assessments. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019735.	3.4	7
21	Coastal landslides in Palu Bay during 2018 Sulawesi earthquake and tsunami. Landslides, 2020, 17, 2085-2098.	5.4	46
22	Stability of the solitary wave boundary layer subject to finite-amplitude disturbances. Journal of Fluid Mechanics, 2020, 896, .	3.4	2
23	The influence of wave acceleration and volume on the swash flow driven by breaking waves of elevation. Coastal Engineering, 2020, 158, 103697.	4.0	7
24	An ISPH with kâ€“Îµ closure for simulating turbulence under solitary waves. Coastal Engineering, 2020, 157, 103657.	4.0	24
25	Surface water waves propagating over a submerged forest. Coastal Engineering, 2019, 152, 103510.	4.0	11
26	A model for obliquely incident wave interacting with a multi-layered object. Applied Ocean Research, 2019, 87, 211-222.	4.1	17
27	Probabilistic Tsunami Hazard Assessment in South China Sea With Consideration of Uncertain Earthquake Characteristics. Journal of Geophysical Research: Solid Earth, 2019, 124, 658-688.	3.4	45
28	Two-level, two-phase model for intense, turbulent sediment transport. Journal of Fluid Mechanics, 2018, 839, 198-238.	3.4	13
29	A sensitivity analysis of tsunami inversions on the number of stations. Geophysical Journal International, 2018, 214, 1313-1323.	2.4	6
30	Laboratory-scale swash flows generated by a non-breaking solitary wave on a steep slope. Journal of Fluid Mechanics, 2018, 847, 186-227.	3.4	42
31	A unified coupled-mode method for wave scattering by rectangular-shaped objects. Applied Ocean Research, 2018, 79, 88-100.	4.1	13
32	Modeling transient long waves propagating through a heterogeneous coastal forest of arbitrary shape. Coastal Engineering, 2017, 122, 124-140.	4.0	14
33	On the analytical solutions for water waves generated by a prescribed landslide. Journal of Fluid Mechanics, 2017, 821, 85-116.	3.4	25
34	Periodic water waves through a heterogeneous coastal forest of arbitrary shape. Coastal Engineering, 2017, 122, 141-157.	4.0	13
35	Theoretical Solution and Applications of Ocean Bottom Pressure Induced by Seismic Seafloor Motion. Geophysical Research Letters, 2017, 44, 10,272.	4.0	29
36	Tsunami hazard assessments with consideration of uncertain earthquake slip distribution and location. Journal of Geophysical Research: Solid Earth, 2017, 122, 7252-7271.	3.4	41

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37	Physical and numerical modelling of tsunami generation by a moving obstacle at the bottom boundary. Environmental Fluid Mechanics, 2017, 17, 929-958.	1.6	16
38	Estimating tsunami runup with fault plane parameters. Coastal Engineering, 2016, 112, 57-68.	4.0	6
39	An integral treatment of friction during a swash uprush. Coastal Engineering, 2016, 114, 295-300.	4.0	5
40	Analytical solutions for estimating tsunami propagation speeds. Coastal Engineering, 2016, 117, 44-56.	4.0	9
41	Parameterization of intrawave rippleâ€averaged sediment pickup above steep ripples. Journal of Geophysical Research: Oceans, 2016, 121, 658-673.	2.6	5
42	Long waves in a straight channel with non-uniform cross-section. Journal of Fluid Mechanics, 2015, 770, 156-188.	3.4	10
43	The swash of solitary waves on a plane beach: flow evolution, bed shear stress and run-up. Journal of Fluid Mechanics, 2015, 779, 556-597.	3.4	40
44	Periodic water waves through an aquatic forest. Coastal Engineering, 2015, 96, 100-117.	4.0	52
45	Two-dimensional instability of the bottom boundary layer under a solitary wave. Physics of Fluids, 2015, 27, 044101.	4.0	7
46	An experimental study of the interaction of two successive solitary waves in the swash: A strongly interacting case and a weakly interacting case. Coastal Engineering, 2015, 105, 66-74.	4.0	20
47	Characteristics of Leading Tsunami Waves Generated in Three Recent Tsunami Events. Journal of Earthquake and Tsunami, 2014, 08, 1440001.	1.3	19
48	Solitary Waves Incident on a Submerged Horizontal Plate. Journal of Waterway, Port, Coastal and Ocean Engineering, 2014, 140, .	1.2	45
49	Boundary-layer flow and bed shear stress under a solitary wave: revision. Journal of Fluid Mechanics, 2014, 753, 554-559.	3.4	5
50	Edge waves generated by atmospheric pressure disturbances moving along a shoreline on a sloping beach. Coastal Engineering, 2014, 85, 43-59.	4.0	16
51	Tsunami source and its validation of the 2014 Iquique, Chile, earthquake. Geophysical Research Letters, 2014, 41, 3988-3994.	4.0	85
52	Direct measurements of local bed shear stress in the presence of pressure gradients. Experiments in Fluids, 2014, 55, 1.	2.4	18
53	Boundary layer flow and bed shear stress under a solitary wave â€“ CORRIGENDUM. Journal of Fluid Mechanics, 2014, 753, 553-553.	3.4	0
54	Plunging solitary wave and its interaction with a slender cylinder on a sloping beach. Ocean Engineering, 2013, 74, 48-60.	4.3	60

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55	On the run-up and back-wash processes of single and double solitary waves â€" An experimental study. Coastal Engineering, 2013, 80, 1-14.	4.0	40
56	Edge waves generated by the landslide on a sloping beach. Coastal Engineering, 2013, 73, 133-150.	4.0	22
57	Advective Diffusion of Contaminants in the Surf Zone. Journal of Waterway, Port, Coastal and Ocean Engineering, 2013, 139, 437-454.	1.2	6
58	Fully Nonlinear Model for Water Wave Propagation from Deep to Shallow Waters. Journal of Waterway, Port, Coastal and Ocean Engineering, 2012, 138, 362-371.	1.2	17
59	Large-scale edge waves generated by a moving atmospheric pressure. Theoretical and Applied Mechanics Letters, 2012, 2, 042001.	2.8	15
60	Contact line dynamics and boundary layer flow during reflection of a solitary wave. Journal of Fluid Mechanics, 2012, 707, 307-330.	3.4	9
61	A multi-layer model for nonlinear internal wave propagation in shallow water. Journal of Fluid Mechanics, 2012, 695, 341-365.	3.4	15
62	On the runup of long waves on a plane beach. Journal of Geophysical Research, 2012, 117, .	3.3	55
63	Predictions of vertical sediment flux in oscillatory flows using a two-phase, sheet-flow model. Advances in Water Resources, 2012, 48, 2-17.	3.8	17
64	Sediment Dynamics Observed in the Jhoushuei River and Adjacent Coastal Zone in Taiwan Strait. Oceanography, 2011, 24, 122-131.	1.0	9
65	Long waves through emergent coastal vegetation. Journal of Fluid Mechanics, 2011, 687, 461-491.	3.4	76
66	Insights on the 2009 South Pacific tsunami in Samoa and Tonga from field surveys and numerical simulations. Earth-Science Reviews, 2011, 107, 66-75.	9.1	64
67	An explicit finite difference model for simulating weakly nonlinear and weakly dispersive waves over slowly varying water depth. Coastal Engineering, 2011, 58, 173-183.	4.0	18
68	Solid landslide generated waves. Journal of Fluid Mechanics, 2011, 675, 529-539.	3.4	11
69	Evolution of the turbulence structure in the surf and swash zones. Journal of Fluid Mechanics, 2010, 644, 193-216.	3.4	36
70	Coherent structures in wave boundary layers. Part 2. Solitary motion. Journal of Fluid Mechanics, 2010, 646, 207-231.	3.4	77
71	An insitu borescopic quantitative imaging profiler for the measurement of high concentration sediment velocity. Experiments in Fluids, 2010, 49, 77-88.	2.4	20
72	Handling solidâ€"fluid interfaces for viscous flows: Explicit jump approximation vs. ghost cell approaches. Journal of Computational Physics, 2010, 229, 4225-4246.	3.8	8

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73	Oscillatory pipe flows of a yield-stress fluid. Journal of Fluid Mechanics, 2010, 658, 211-228.	3.4	22
74	Parameterization of near-bed processes under collinear wave and current flows from a two-phase sheet flow model. Continental Shelf Research, 2010, 30, 1403-1416.	1.8	19
75	HyPAM: A hybrid continuum-particle model for incompressible free-surface flows. Journal of Computational Physics, 2009, 228, 1312-1342.	3.8	13
76	Tsunami hazard and early warning system in South China Sea. Journal of Asian Earth Sciences, 2009, 36, 2-12.	2.3	98
77	Measurements of high concentration sediment plume in the estuary with strong tidal currents. , 2009, , .		0
78	Three dimensional numerical simulations for non-breaking solitary wave interacting with a group of slender vertical cylinders. International Journal of Naval Architecture and Ocean Engineering, 2009, 1, 20-28.	2.3	12
79	Responses of Bingham-plastic muddy seabed to a surface solitary wave. Journal of Fluid Mechanics, 2009, 618, 155-180.	3.4	29
80	A 2 PHASE NUMERICAL MODEL FOR INCOMPRESSIBLE FLUIDS: AIR INFLUENCE IN WAVE PROPAGATION AND APPLICATIONS. , 2009, , .		1
81	Three dimensional numerical simulations for non-breaking solitary wave interacting with a group of slender vertical cylinders. International Journal of Naval Architecture and Ocean Engineering, 2009, 1, 20-28.	2.3	6
82	A new interface tracking method: The polygonal area mapping method. Journal of Computational Physics, 2008, 227, 4063-4088.	3.8	35
83	A numerical study of swash flows generated by bores. Coastal Engineering, 2008, 55, 1113-1134.	4.0	60
84	Numerical Simulations of Wave Generation by a Vertical Plunger Using RANS and SPH Models. Journal of Waterway, Port, Coastal and Ocean Engineering, 2008, 134, 143-159.	1.2	33
85	Twoâ€phase model for sand transport in sheet flow regime. Journal of Geophysical Research, 2008, 113, .	3.3	54
86	A LARGE EDDY SIMULATION MODEL FOR TSUNAMI AND RUNUP GENERATED BY LANDSLIDES. Series on Quality, Reliability and Engineering Statistics, 2008, , 101-162.	0.2	4
87	BENCHMARK PROBLEMS. Series on Quality, Reliability and Engineering Statistics, 2008, , 223-230.	0.2	5
88	INDIAN OCEAN TSUNAMI ON 26 DECEMBER 2004: NUMERICAL MODELING OF INUNDATION IN THREE CITIES ON THE SOUTH COAST OF SRI LANKA. Journal of Earthquake and Tsunami, 2008, 02, 133-155.	1.3	28
89	Viscous flows in a muddy seabed induced by a solitary wave. Journal of Fluid Mechanics, 2008, 598, 383-392.	3.4	16
90	Bed-Shear Stress in Turbulent Wave-Current Boundary Layers. Journal of Hydraulic Engineering, 2008, 134, 225-230.	1.5	6

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91	NUMERICAL SIMULATIONS OF THE 2004 INDIAN OCEAN TSUNAMIS â€" COASTAL EFFECTS. Journal of Earthquake and Tsunami, 2007, 01, 273-297.	1.3	77
92	Sensitivity Analysis of Source Parameters for Earthquake-Generated Distant Tsunamis. Journal of Waterway, Port, Coastal and Ocean Engineering, 2007, 133, 429-441.	1.2	26
93	DEVELOPMENT OF A BOUSSINESQ-RANS VOF HYBRID WAVE MODEL. , 2007, , .		2
94	Long-wave-induced flows in an unsaturated permeable seabed. Journal of Fluid Mechanics, 2007, 586, 323-345.	3.4	31
95	On long-wave propagation over a fluid-mud seabed. Journal of Fluid Mechanics, 2007, 579, 467-480.	3.4	39
96	Boundary layer flow and bed shear stress under a solitary wave. Journal of Fluid Mechanics, 2007, 574, 449-463.	3.4	108
97	A note on the effects of a thin visco-elastic mud layer on small amplitude water-wave propagation. Coastal Engineering, 2007, 54, 233-247.	4.0	20
98	An efficient method for the numerical calculation of viscous effects on transient long waves. Coastal Engineering, 2007, 54, 263-269.	4.0	7
99	Breaking waves over a mild gravel slope: Experimental and numerical analysis. Journal of Geophysical Research, 2006, 111, .	3.3	53
100	Turbulent boundary-layer effects on transient wave propagation in shallow water. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 3481-3491.	2.1	30
101	Boundary layer flows under solitary wave. Journal of Hydrodynamics, 2006, 18, 9-12.	3.2	0
102	Sri Lanka Field Survey after the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 155-172.	3.1	71
103	Boundary layer flows under solitary wave. Journal of Hydrodynamics, 2006, 18, 9-12.	3.2	1
104	An analysis of 2004 Sumatra earthquake fault plane mechanisms and Indian Ocean tsunami. Journal of Hydraulic Research/De Recherches Hydrauliques, 2006, 44, 147-154.	1.7	206
105	WAVE GENERATION, RUNUP AND RUNDOWN FROM THREE-DIMENSIONAL SLIDING MASSES. , 2006, , .		1
106	THREE-DIMENSIONAL RUNUP DUE TO SUBMERGED AND SUBAERIAL LANDSLIDES. , 2006, , .		1
107	Vortex generation and evolution in water waves propagating over a submerged rectangular obstacle. Coastal Engineering, 2005, 52, 257-283.	4.0	69
108	A MULTI-LAYER APPROACH TO BOUSSINESQ-TYPE MODELING. , 2005, , .		0

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109	Nonlinear Water Waves Over a Three-Dimensional Porous Bottom Using Boussinesq-Type Model. Coastal Engineering Journal, 2005, 47, 231-253.	1.9	5
110	Observations by the International Tsunami Survey Team in Sri Lanka. Science, 2005, 308, 1595-1595.	12.6	236
111	Numerical Simulations of Nonlinear Short Waves Using a Multilayer Model. Journal of Engineering Mechanics - ASCE, 2005, 131, 231-243.	2.9	41
112	Runup and rundown generated by three-dimensional sliding masses. Journal of Fluid Mechanics, 2005, 536, 107-144.	3.4	225
113	A numerical study of the run-up generated by three-dimensional landslides. Journal of Geophysical Research, 2005, 110, .	3.3	116
114	Schmidt number and near-bed boundary condition effects on a two-phase dilute sediment transport model. Journal of Geophysical Research, 2005, 110, .	3.3	28
115	Numerical modeling of the initial stages of dam-break waves. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 183-195.	1.7	79
116	Discussion of â€œVertical variation of the flow across the surf zoneâ€•[Coast. Eng. 45 (2002) 169â€“198]. Coastal Engineering, 2004, 50, 161-164.	4.0	32
117	Linear analysis of the multi-layer model. Coastal Engineering, 2004, 51, 439-454.	4.0	89
118	Nonlinear resonant coupling between two adjacent bays. Journal of Geophysical Research, 2004, 109, .	3.3	7
119	Toward modeling turbulent suspension of sand in the nearshore. Journal of Geophysical Research, 2004, 109, .	3.3	59
120	On two-phase sediment transport: sheet flow of massive particles. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2004, 460, 2223-2250.	2.1	183
121	Viscous effects on transient long-wave propagation. Journal of Fluid Mechanics, 2004, 520, 83-92.	3.4	88
122	Solitary wave runup and force on a vertical barrier. Journal of Fluid Mechanics, 2004, 505, 225-233.	3.4	44
123	Finite-Element Model for Modified Boussinesq Equations. II: Applications to Nonlinear Harbor Oscillations. Journal of Waterway, Port, Coastal and Ocean Engineering, 2004, 130, 17-28.	1.2	39
124	Finite-Element Model for Modified Boussinesq Equations. I: Model Development. Journal of Waterway, Port, Coastal and Ocean Engineering, 2004, 130, 1-16.	1.2	52
125	Waves generated by moving pressure disturbances in rectangular and trapezoidal channels. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 163-171.	1.7	9
126	Waves generated by moving pressure disturbances in rectangular and trapezoidal channels. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 163-171.	1.7	5

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127	Numerical modeling of the initial stages of dam-break waves. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 183-195.	1.7	16
128	Field Survey and Numerical Simulations: A Review of the 1998 Papua New Guinea Tsunami. Pure and Applied Geophysics, 2003, 160, 2119-2146.	1.9	83
129	Analytical solutions for forced long waves on a sloping beach. Journal of Fluid Mechanics, 2003, 478, 101-109.	3.4	84
130	Particle Image Velocimetry Measurements within a Laboratory-Generated Swash Zone. Journal of Engineering Mechanics - ASCE, 2003, 129, 1119-1129.	2.9	107
131	On two-phase sediment transport: Dilute flow. Journal of Geophysical Research, 2003, 108, .	3.3	101
132	Coupling between two inlets: Observation and modeling. Journal of Geophysical Research, 2003, 108, .	3.3	34
133	Field Survey and Numerical Simulations: A Review of the 1998 Papua New Guinea Tsunami. , 2003, , 2119-2146.		9
134	Multi-Layer Modeling of Wave Groups From Deep to Shallow Water. , 2003, , .		0
135	Hydrodynamic pressures acting on rigid gravity dams during earthquakes. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 175-181.	1.7	1
136	Wave propagation modeling in coastal engineering. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 229-240.	1.7	68
137	Simulation of Sediment Suspension Using Two-Phase Approach. , 2002, , 1386.		0
138	Analytical simulation of edge waves observed around the Balearic Islands. Geophysical Research Letters, 2002, 29, 28-1-28-4.	4.0	12
139	Nonlinear water waves propagating over a permeable bed. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2002, 458, 1291-1322.	2.1	55
140	Numerical Modeling of Breaking Waves in Nearshore Environment. , 2002, , 1.		0
141	A two-dimensional, depth-integrated model for internal wave propagation over variable bathymetry. Wave Motion, 2002, 36, 221-240.	2.0	67
142	Modeling wave runup with depth-integrated equations. Coastal Engineering, 2002, 46, 89-107.	4.0	334
143	A numerical model for wave motions and turbulence flows in front of a composite breakwater. Coastal Engineering, 2002, 46, 25-50.	4.0	243
144	A numerical study of the evolution of a solitary wave over a shelf. Physics of Fluids, 2001, 13, 1660-1667.	4.0	54

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145	Modeling of Sediment Transportâ€"A Two-Phase Flow Approach. , 2001, , 578.		3
146	Laboratory experiments for wave motions and turbulence flows in front of a breakwater. Coastal Engineering, 2001, 44, 117-139.	4.0	26
147	A Petrov-Galerkin finite element model for one-dimensional fully non-linear and weakly dispersive wave propagation. International Journal for Numerical Methods in Fluids, 2001, 37, 541-575.	1.6	25
148	Vortex generation and evolution in water waves propagating over a submerged rectangular obstacle. Coastal Engineering, 2001, 44, 13-36.	4.0	153
149	Numerical Modeling of Wave Interaction with Porous Structures. Journal of Waterway, Port, Coastal and Ocean Engineering, 2001, 127, 123-124.	1.2	182
150	Pseudo turbulence in PIV breaking-wave measurements. Experiments in Fluids, 2000, 29, 331-338.	2.4	25
151	Solitary Wave Interaction with Porous Breakwaters. Journal of Waterway, Port, Coastal and Ocean Engineering, 2000, 126, 314-322.	1.2	61
152	El modelado matemÃ¡tico de la propagaciÃ³n del oleaje en ingenierÃa de costas. IngenierÃa Del Agua, 2000, 7, 37.	0.4	0
153	FREE SURFACE TRACKING METHODS AND THEIR APPLICATIONS TO WAVE HYDRODYNAMICS. Series on Quality, Reliability and Engineering Statistics, 1999, , 213-240.	0.2	14
154	Numerical Modeling of Wave Interaction with Porous Structures. Journal of Waterway, Port, Coastal and Ocean Engineering, 1999, 125, 322-330.	1.2	318
155	Internal Wave-Maker for Navier-Stokes Equations Models. Journal of Waterway, Port, Coastal and Ocean Engineering, 1999, 125, 207-215.	1.2	243
156	Runup and Rundown of Solitary Waves on Sloping Beaches. Journal of Waterway, Port, Coastal and Ocean Engineering, 1999, 125, 247-255.	1.2	112
157	Experimental investigation of turbulence generated by breaking waves in water of intermediate depth. Physics of Fluids, 1999, 11, 3390-3400.	4.0	87
158	An operator splitting algorithm for the three-dimensional advection-diffusion equation. International Journal for Numerical Methods in Fluids, 1998, 28, 461-476.	1.6	9
159	Numerical analyses of operator-splitting algorithms for the two-dimensional advection-diffusion equation. Computer Methods in Applied Mechanics and Engineering, 1998, 152, 337-359.	6.6	15
160	A generalized modified Kadomtsev-Petviashvili equation for interfacial wave propagation near the critical depth level. Wave Motion, 1998, 27, 321-339.	2.0	9
161	Velocity, acceleration and vorticity under a breaking wave. Physics of Fluids, 1998, 10, 327-329.	4.0	105
162	Turbulence transport, vorticity dynamics, and solute mixing under plunging breaking waves in surf zone. Journal of Geophysical Research, 1998, 103, 15677-15694.	3.3	146

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163	Generation and evolution of edge-wave packets. Physics of Fluids, 1998, 10, 1635-1657.	4.0	35
164	A numerical study of breaking waves in the surf zone. Journal of Fluid Mechanics, 1998, 359, 239-264.	3.4	710
165	Nonlinear diffusive surface waves in porous media. Journal of Fluid Mechanics, 1997, 347, 119-139.	3.4	67
166	A Nonlinear Model for Wave Propagation. , 1997, , 589.		0
167	Long-Wave Runup Models. , 1997, , .		29
168	SEISMOLOGY: Enhanced: Tsunamigenic Sea-Floor Deformations. Science, 1997, 278, 598-600.	12.6	63
169	Wave-induced boundary layer flows above and in a permeable bed. Journal of Fluid Mechanics, 1996, 325, 195-218.	3.4	24
170	On interfacial waves over random topography. Wave Motion, 1996, 24, 169-184.	2.0	18
171	An operator-splitting algorithm for the three-dimensional diffusion equation. Numerical Methods for Partial Differential Equations, 1995, 11, 617-624.	3.6	7
172	An operator splitting algorithm for coupled one-dimensional advection-diffusion-reaction equations. Computer Methods in Applied Mechanics and Engineering, 1995, 127, 181-201.	6.6	16
173	Intermediate dirichlet boundary conditions for operator splitting algorithms for the advection-diffusion equation. Computers and Fluids, 1995, 24, 447-458.	2.5	12
174	MODEL EQUATIONS FOR WAVE PROPAGATIONS FROM DEEP TO SHALLOW WATER. Series on Quality, Reliability and Engineering Statistics, 1995, , 125-157.	0.2	51
175	Mass transport of interfacial waves in a two-layer fluid system. Journal of Fluid Mechanics, 1995, 297, 231-254.	3.4	14
176	Modified Boussinesq equations and associated parabolic models for water wave propagation. Journal of Fluid Mechanics, 1995, 288, 351-381.	3.4	120
177	The unified Kadomtsevâ€“Petviashvili equation for interfacial waves. Journal of Fluid Mechanics, 1995, 288, 383-408.	3.4	22
178	A note on Hamiltonian for long water waves in varying depth. Wave Motion, 1994, 20, 359-370.	2.0	14
179	Propagation and amplification of tsunamis at coastal boundaries. Nature, 1994, 372, 353-355.	27.8	114
180	Mass transport under partially reflected waves in a rectangular channel. Journal of Fluid Mechanics, 1994, 266, 121-145.	3.4	10

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181	The Flores Island tsunamis. Eos, 1993, 74, 369.	0.1	113
182	Bragg reflection of infragravity waves by sandbars. Journal of Geophysical Research, 1993, 98, 22733-22741.	3.3	14
183	Optimal time-varying pumping rates for groundwater remediation: Application of a constrained optimal control algorithm. Water Resources Research, 1992, 28, 3157-3173.	4.2	106
184	Propagation and trapping of obliquely incident wave groups over a trench with currents. Applied Ocean Research, 1992, 14, 201-213.	4.1	15
185	Applications of boundary integral equation methods for two-dimensional non-linear water wave problems. International Journal for Numerical Methods in Fluids, 1992, 15, 1119-1141.	1.6	18
186	Report on the International Workshop on Long-Wave Run-up. Journal of Fluid Mechanics, 1991, 229, 675.	3.4	104
187	Mass transport in two-dimensional water waves. Journal of Fluid Mechanics, 1991, 231, 395-415.	3.4	20
188	Mass transport in three-dimensional water waves. Journal of Fluid Mechanics, 1991, 231, 417-437.	3.4	35
189	Waves trapped along a breakwater. Wave Motion, 1991, 13, 253-260.	2.0	0
190	Long-Wave Generation Due to the Refraction of Short-Wave Groups over a Shear Current. Journal of Physical Oceanography, 1990, 20, 53-59.	1.7	13
191	Harbour excitations by incident wave groups. Journal of Fluid Mechanics, 1990, 217, 595-613.	3.4	69
192	Numerical modelling of wave propagation using parabolic approximation with a boundary-fitted co-ordinate system. International Journal for Numerical Methods in Engineering, 1989, 27, 37-55.	2.8	13
193	An operator-splitting algorithm for two-dimensional convection-dispersion-reaction problems. International Journal for Numerical Methods in Engineering, 1989, 28, 1023-1040.	2.8	20
194	Derivation of the third-order evolution equations for weakly nonlinear water waves propagating over uneven bottoms. Wave Motion, 1989, 11, 41-64.	2.0	33
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