

# Philip Lf Liu

## 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.

237  
papers

8,303  
citations

50  
h-index

81  
g-index

253  
ext. papers

9,154  
ext. citations

4  
avg. IF

6.16  
L-index

#	Paper	IF	Citations
237	Validation and inter-comparison of models for landslide tsunami generation. <i>Ocean Modelling</i> , <b>2022</b> , 170, 101943	3	3
236	Filling in the 'Gaps of the Tsunamigenic Sources in 2018 Palu Bay Tsunami. <i>Springer Tracts in Civil Engineering</i> , <b>2022</b> , 439-459	0.4	
235	Entrainment and adaptation processes in the evolution of collisional bedload layers. <i>European Journal of Mechanics, B/Fluids</i> , <b>2022</b> , 92, 132-142	2.4	
234	Transient wave-induced pore-water-pressure and soil responses in a shallow unsaturated poroelastic seabed. <i>Journal of Fluid Mechanics</i> , <b>2022</b> , 938,	3.7	3
233	An empirical model for predicting wave attenuation inside vegetation domain. <i>Ocean Engineering</i> , <b>2022</b> , 257, 111636	3.9	0
232	Non-Stationary Probabilistic Tsunami Hazard Assessments Incorporating Climate-Change-Driven Sea Level Rise. <i>Earth's Future</i> , <b>2021</b> , 9, e2021EF002007	7.9	3
231	Periodic water waves through suspended canopy. <i>Coastal Engineering</i> , <b>2021</b> , 163, 103809	4.8	4
230	Solitary Wave Interacting with a Submerged Circular Plate. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2021</b> , 147, 04020046	1.7	2
229	Effect of flexible coastal vegetation on waves in water of intermediate depth. <i>Coastal Engineering</i> , <b>2021</b> , 168, 103937	4.8	2
228	On the evolution and runup of a train of solitary waves on a uniform beach. <i>Coastal Engineering</i> , <b>2021</b> , 104015	4.8	2
227	Numerical and experimental studies of turbulence in vegetated open-channel flows. <i>Environmental Fluid Mechanics</i> , <b>2021</b> , 21, 1137-1163	2.2	0
226	Numerical study on impacts of a concurrent storm-tide-tsunami event in Macau and Hong Kong. <i>Coastal Engineering</i> , <b>2021</b> , 170, 104000	4.8	0
225	The 2018 Mw7.5 Palu Supershear Earthquake ruptures geological fault's multi-segment separated by large bends: Results from integrating field measurements, LiDAR, swath bathymetry, and seismic-reflection data. <i>Geophysical Journal International</i> , <b>2020</b> ,	2.6	11
224	Coastal landslides in Palu Bay during 2018 Sulawesi earthquake and tsunami. <i>Landslides</i> , <b>2020</b> , 17, 2085-2098	2.09	27
223	The influence of wave acceleration and volume on the swash flow driven by breaking waves of elevation. <i>Coastal Engineering</i> , <b>2020</b> , 158, 103697	4.8	3
222	An ISPH with k $\epsilon$ closure for simulating turbulence under solitary waves. <i>Coastal Engineering</i> , <b>2020</b> , 157, 103657	4.8	12
221	Depth-integrated wave-current models. Part 1. Two-dimensional formulation and applications. <i>Journal of Fluid Mechanics</i> , <b>2020</b> , 883,	3.7	3

220	Modeling Uncertainties of Bathymetry Predicted With Satellite Altimetry Data and Application to Tsunami Hazard Assessments. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB019735	3.6	5
219	Surface water waves propagating over a submerged forest. <i>Coastal Engineering</i> , <b>2019</b> , 152, 103510	4.8	7
218	A model for obliquely incident wave interacting with a multi-layered object. <i>Applied Ocean Research</i> , <b>2019</b> , 87, 211-222	3.4	13
217	Probabilistic Tsunami Hazard Assessment in South China Sea With Consideration of Uncertain Earthquake Characteristics. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 658-688	3.6	26
216	Two-level, two-phase model for intense, turbulent sediment transport. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 839, 198-238	3.7	7
215	A unified coupled-mode method for wave scattering by rectangular-shaped objects. <i>Applied Ocean Research</i> , <b>2018</b> , 79, 88-100	3.4	12
214	A sensitivity analysis of tsunami inversions on the number of stations. <i>Geophysical Journal International</i> , <b>2018</b> , 214, 1313-1323	2.6	4
213	Laboratory-scale swash flows generated by a non-breaking solitary wave on a steep slope. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 847, 186-227	3.7	27
212	Modeling transient long waves propagating through a heterogeneous coastal forest of arbitrary shape. <i>Coastal Engineering</i> , <b>2017</b> , 122, 124-140	4.8	10
211	On the analytical solutions for water waves generated by a prescribed landslide. <i>Journal of Fluid Mechanics</i> , <b>2017</b> , 821, 85-116	3.7	15
210	Periodic water waves through a heterogeneous coastal forest of arbitrary shape. <i>Coastal Engineering</i> , <b>2017</b> , 122, 141-157	4.8	11
209	Theoretical Solution and Applications of Ocean Bottom Pressure Induced by Seismic Seafloor Motion. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 10,272-10,281	4.9	26
208	Tsunami hazard assessments with consideration of uncertain earthquake slip distribution and location. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2017</b> , 122, 7252-7271	3.6	31
207	Physical and numerical modelling of tsunami generation by a moving obstacle at the bottom boundary. <i>Environmental Fluid Mechanics</i> , <b>2017</b> , 17, 929-958	2.2	9
206	Analytical solutions for estimating tsunami propagation speeds. <i>Coastal Engineering</i> , <b>2016</b> , 117, 44-56	4.8	8
205	Parameterization of intrawave ripple-averaged sediment pickup above steep ripples. <i>Journal of Geophysical Research: Oceans</i> , <b>2016</b> , 121, 658-673	3.3	5
204	Estimating tsunami runup with fault plane parameters. <i>Coastal Engineering</i> , <b>2016</b> , 112, 57-68	4.8	5
203	An integral treatment of friction during a swash uprush. <i>Coastal Engineering</i> , <b>2016</b> , 114, 295-300	4.8	3

202	Two-dimensional instability of the bottom boundary layer under a solitary wave. <i>Physics of Fluids</i> , <b>2015</b> , 27, 044101	4.4	4
201	An experimental study of the interaction of two successive solitary waves in the swash: A strongly interacting case and a weakly interacting case. <i>Coastal Engineering</i> , <b>2015</b> , 105, 66-74	4.8	13
200	Long waves in a straight channel with non-uniform cross-section. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 770, 156-188	3.7	6
199	The swash of solitary waves on a plane beach: flow evolution, bed shear stress and run-up. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 779, 556-597	3.7	30
198	Periodic water waves through an aquatic forest. <i>Coastal Engineering</i> , <b>2015</b> , 96, 100-117	4.8	40
197	Tsunami source and its validation of the 2014 Iquique, Chile, earthquake. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 3988-3994	4.9	69
196	Direct measurements of local bed shear stress in the presence of pressure gradients. <i>Experiments in Fluids</i> , <b>2014</b> , 55, 1	2.5	13
195	Boundary layer flow and bed shear stress under a solitary wave [CORRIGENDUM]. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 753, 553-553	3.7	
194	Characteristics of Leading Tsunami Waves Generated in Three Recent Tsunami Events. <i>Journal of Earthquake and Tsunami</i> , <b>2014</b> , 08, 1440001	1.1	16
193	Solitary Waves Incident on a Submerged Horizontal Plate. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2014</b> , 140, 04014009	1.7	34
192	Boundary-layer flow and bed shear stress under a solitary wave: revision. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 753, 554-559	3.7	4
191	Edge waves generated by atmospheric pressure disturbances moving along a shoreline on a sloping beach. <i>Coastal Engineering</i> , <b>2014</b> , 85, 43-59	4.8	9
190	Plunging solitary wave and its interaction with a slender cylinder on a sloping beach. <i>Ocean Engineering</i> , <b>2013</b> , 74, 48-60	3.9	44
189	On the run-up and back-wash processes of single and double solitary waves [An experimental study]. <i>Coastal Engineering</i> , <b>2013</b> , 80, 1-14	4.8	33
188	Edge waves generated by the landslide on a sloping beach. <i>Coastal Engineering</i> , <b>2013</b> , 73, 133-150	4.8	16
187	Advective Diffusion of Contaminants in the Surf Zone. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2013</b> , 139, 437-454	1.7	2
186	A multi-layer model for nonlinear internal wave propagation in shallow water. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 695, 341-365	3.7	12
185	On the runup of long waves on a plane beach. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		38

184	Predictions of vertical sediment flux in oscillatory flows using a two-phase, sheet-flow model. <i>Advances in Water Resources</i> , <b>2012</b> , 48, 2-17	4.7	13
183	Fully Nonlinear Model for Water Wave Propagation from Deep to Shallow Waters. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2012</b> , 138, 362-371	1.7	13
182	Large-scale edge waves generated by a moving atmospheric pressure. <i>Theoretical and Applied Mechanics Letters</i> , <b>2012</b> , 2, 042001	1.8	13
181	Contact line dynamics and boundary layer flow during reflection of a solitary wave. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 707, 307-330	3.7	9
180	Sediment Dynamics Observed in the Jhoushuei River and Adjacent Coastal Zone in Taiwan Strait. <i>Oceanography</i> , <b>2011</b> , 24, 122-131	2.3	5
179	Long waves through emergent coastal vegetation. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 687, 461-491	3.7	60
178	NUMERICAL MODELLING OF WAVE-INDUCED SOIL RESPONSE AROUND BREAKWATER HEADS <b>2011</b> , 789-796		
177	Insights on the 2009 South Pacific tsunami in Samoa and Tonga from field surveys and numerical simulations. <i>Earth-Science Reviews</i> , <b>2011</b> , 107, 66-75	10.2	51
176	An explicit finite difference model for simulating weakly nonlinear and weakly dispersive waves over slowly varying water depth. <i>Coastal Engineering</i> , <b>2011</b> , 58, 173-183	4.8	15
175	Solid landslide generated waves. <i>Journal of Fluid Mechanics</i> , <b>2011</b> , 675, 529-539	3.7	8
174	Oscillatory pipe flows of a yield-stress fluid. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 658, 211-228	3.7	18
173	Parameterization of near-bed processes under collinear wave and current flows from a two-phase sheet flow model. <i>Continental Shelf Research</i> , <b>2010</b> , 30, 1403-1416	2.4	17
172	Evolution of the turbulence structure in the surf and swash zones. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 644, 193-216	3.7	29
171	Coherent structures in wave boundary layers. Part 2. Solitary motion. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 646, 207-231	3.7	67
170	An insitu borescopic quantitative imaging profiler for the measurement of high concentration sediment velocity. <i>Experiments in Fluids</i> , <b>2010</b> , 49, 77-88	2.5	17
169	Handling solid-fluid interfaces for viscous flows: Explicit jump approximation vs. ghost cell approaches. <i>Journal of Computational Physics</i> , <b>2010</b> , 229, 4225-4246	4.1	7
168	HyPAM: A hybrid continuum-particle model for incompressible free-surface flows. <i>Journal of Computational Physics</i> , <b>2009</b> , 228, 1312-1342	4.1	10
167	Tsunami hazard and early warning system in South China Sea. <i>Journal of Asian Earth Sciences</i> , <b>2009</b> , 36, 2-12	2.8	81

166	Three dimensional numerical simulations for non-breaking solitary wave interacting with a group of slender vertical cylinders. <i>International Journal of Naval Architecture and Ocean Engineering</i> , <b>2009</b> , 1, 20-28	2.3	10
165	Responses of Bingham-plastic muddy seabed to a surface solitary wave. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 618, 155-180	3.7	24
164	Three dimensional numerical simulations for non-breaking solitary wave interacting with a group of slender vertical cylinders. <i>International Journal of Naval Architecture and Ocean Engineering</i> , <b>2009</b> , 1, 20-28	2.3	6
163	Numerical Simulations of Wave Generation by a Vertical Plunger Using RANS and SPH Models. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2008</b> , 134, 143-159	1.7	25
162	Two-phase model for sand transport in sheet flow regime. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		43
161	A LARGE EDDY SIMULATION MODEL FOR TSUNAMI AND RUNUP GENERATED BY LANDSLIDES. <i>Series on Quality, Reliability and Engineering Statistics</i> , <b>2008</b> , 101-162		2
160	BENCHMARK PROBLEMS. <i>Series on Quality, Reliability and Engineering Statistics</i> , <b>2008</b> , 223-230		5
159	INDIAN OCEAN TSUNAMI ON 26 DECEMBER 2004: NUMERICAL MODELING OF INUNDATION IN THREE CITIES ON THE SOUTH COAST OF SRI LANKA. <i>Journal of Earthquake and Tsunami</i> , <b>2008</b> , 02, 133-155	1.1	22
158	Viscous flows in a muddy seabed induced by a solitary wave. <i>Journal of Fluid Mechanics</i> , <b>2008</b> , 598, 383-397	3.7	15
157	Bed-Shear Stress in Turbulent Wave-Current Boundary Layers. <i>Journal of Hydraulic Engineering</i> , <b>2008</b> , 134, 225-230	1.8	6
156	A new interface tracking method: The polygonal area mapping method. <i>Journal of Computational Physics</i> , <b>2008</b> , 227, 4063-4088	4.1	31
155	A numerical study of swash flows generated by bores. <i>Coastal Engineering</i> , <b>2008</b> , 55, 1113-1134	4.8	49
154	Long-wave-induced flows in an unsaturated permeable seabed. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 586, 323-345	3.7	26
153	On long-wave propagation over a fluid-mud seabed. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 579, 467-480	3.7	38
152	Boundary layer flow and bed shear stress under a solitary wave. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 574, 449-463	3.7	88
151	A note on the effects of a thin visco-elastic mud layer on small amplitude water-wave propagation. <i>Coastal Engineering</i> , <b>2007</b> , 54, 233-247	4.8	18
150	An efficient method for the numerical calculation of viscous effects on transient long waves. <i>Coastal Engineering</i> , <b>2007</b> , 54, 263-269	4.8	6
149	NUMERICAL SIMULATIONS OF THE 2004 INDIAN OCEAN TSUNAMIS [COASTAL EFFECTS]. <i>Journal of Earthquake and Tsunami</i> , <b>2007</b> , 01, 273-297	1.1	57

148	Sensitivity Analysis of Source Parameters for Earthquake-Generated Distant Tsunamis. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2007</b> , 133, 429-441	1.7	20
147	DEVELOPMENT OF A BOUSSINESQ-RANS VOF HYBRID WAVE MODEL <b>2007</b> ,		1
146	An analysis of 2004 Sumatra earthquake fault plane mechanisms and Indian Ocean tsunami. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2006</b> , 44, 147-154	1.9	152
145	Breaking waves over a mild gravel slope: Experimental and numerical analysis. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		42
144	Turbulent boundary-layer effects on transient wave propagation in shallow water. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2006</b> , 462, 3481-3491	2.4	22
143	Boundary layer flows under solitary wave. <i>Journal of Hydrodynamics</i> , <b>2006</b> , 18, 9-12	3.3	
142	Sri Lanka Field Survey after the December 2004 Indian Ocean Tsunami. <i>Earthquake Spectra</i> , <b>2006</b> , 22, 155-172	3.4	50
141	Boundary layer flows under solitary wave. <i>Journal of Hydrodynamics</i> , <b>2006</b> , 18, 9-12	3.3	1
140	Runup and rundown generated by three-dimensional sliding masses. <i>Journal of Fluid Mechanics</i> , <b>2005</b> , 536, 107-144	3.7	184
139	A numerical study of the run-up generated by three-dimensional landslides. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		96
138	Schmidt number and near-bed boundary condition effects on a two-phase dilute sediment transport model. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		24
137	Vortex generation and evolution in water waves propagating over a submerged rectangular obstacle. <i>Coastal Engineering</i> , <b>2005</b> , 52, 257-283	4.8	58
136	Nonlinear Water Waves Over a Three-Dimensional Porous Bottom Using Boussinesq-Type Model. <i>Coastal Engineering Journal</i> , <b>2005</b> , 47, 231-253	2.8	5
135	Observations by the international tsunami survey team in Sri Lanka. <i>Science</i> , <b>2005</b> , 308, 1595	33.3	196
134	Numerical Simulations of Nonlinear Short Waves Using a Multilayer Model. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2005</b> , 131, 231-243	2.4	37
133	Numerical modeling of the initial stages of dam-break waves. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2004</b> , 42, 183-195	1.9	65
132	Discussion of Vertical variation of the flow across the surf zone [Coast. Eng. 45 (2002) 169-198]. <i>Coastal Engineering</i> , <b>2004</b> , 50, 161-164	4.8	31
131	Linear analysis of the multi-layer model. <i>Coastal Engineering</i> , <b>2004</b> , 51, 439-454	4.8	75

130	Nonlinear resonant coupling between two adjacent bays. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		6
129	Toward modeling turbulent suspension of sand in the nearshore. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		48
128	On two-phase sediment transport: sheet flow of massive particles. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2004</b> , 460, 2223-2250	2.4	145
127	Viscous effects on transient long-wave propagation. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 520, 83-92	3.7	76
126	Solitary wave runup and force on a vertical barrier. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 505, 225-233	3.7	29
125	Finite-Element Model for Modified Boussinesq Equations. II: Applications to Nonlinear Harbor Oscillations. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2004</b> , 130, 17-28	1.7	32
124	Finite-Element Model for Modified Boussinesq Equations. I: Model Development. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2004</b> , 130, 1-16	1.7	45
123	Waves generated by moving pressure disturbances in rectangular and trapezoidal channels. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2004</b> , 42, 163-171	1.9	7
122	Field Survey and Numerical Simulations: A Review of the 1998 Papua New Guinea Tsunami <b>2003</b> , 2119-2146		8
121	Field Survey and Numerical Simulations: A Review of the 1998 Papua New Guinea Tsunami. <i>Pure and Applied Geophysics</i> , <b>2003</b> , 160, 2119-2146	2.2	68
120	Analytical solutions for forced long waves on a sloping beach. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 478, 101-109	3.9	65
119	Particle Image Velocimetry Measurements within a Laboratory-Generated Swash Zone. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2003</b> , 129, 1119-1129	2.4	94
118	On two-phase sediment transport: Dilute flow. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		84
117	Coupling between two inlets: Observation and modeling. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		26
116	Numerical Modeling of Tsunami Generation by Subaerial and Submerged Landslides. <i>Advances in Natural and Technological Hazards Research</i> , <b>2003</b> , 77-84	1.8	
115	Numerical Modeling of Submarine Mass-Movement Generated Waves Using Rans Model. <i>Advances in Natural and Technological Hazards Research</i> , <b>2003</b> , 183-191	1.8	
114	Submarine Landslide Generated Waves Modeled Using Depth-Integrated Equations <b>2003</b> , 51-58		1
113	Numerical Modeling of Breaking Waves in Nearshore Environment <b>2002</b> , 1		

112	A two-dimensional, depth-integrated model for internal wave propagation over variable bathymetry. <i>Wave Motion</i> , <b>2002</b> , 36, 221-240	1.8	53
111	Modeling wave runup with depth-integrated equations. <i>Coastal Engineering</i> , <b>2002</b> , 46, 89-107	4.8	282
110	A numerical model for wave motions and turbulence flows in front of a composite breakwater. <i>Coastal Engineering</i> , <b>2002</b> , 46, 25-50	4.8	201
109	Hydrodynamic pressures acting on rigid gravity dams during earthquakes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2002</b> , 40, 175-181	1.9	1
108	Wave propagation modeling in coastal engineering. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2002</b> , 40, 229-240	1.9	53
107	Simulation of Sediment Suspension Using Two-Phase Approach <b>2002</b> , 1386		
106	Analytical simulation of edge waves observed around the Balearic Islands. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 28-1-28-4	4.9	10
105	Nonlinear water waves propagating over a permeable bed. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2002</b> , 458, 1291-1322	2.4	42
104	A Petrov-Galerkin finite element model for one-dimensional fully non-linear and weakly dispersive wave propagation. <i>International Journal for Numerical Methods in Fluids</i> , <b>2001</b> , 37, 541-575	1.9	22
103	Vortex generation and evolution in water waves propagating over a submerged rectangular obstacle. <i>Coastal Engineering</i> , <b>2001</b> , 44, 13-36	4.8	118
102	Numerical Modeling of Wave Interaction with Porous Structures. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2001</b> , 127, 123-124	1.7	
101	A numerical study of the evolution of a solitary wave over a shelf. <i>Physics of Fluids</i> , <b>2001</b> , 13, 1660-1667	4.4	46
100	Modeling of Sediment Transport A Two-Phase Flow Approach <b>2001</b> , 578		3
99	Laboratory experiments for wave motions and turbulence flows in front of a breakwater. <i>Coastal Engineering</i> , <b>2001</b> , 44, 117-139	4.8	20
98	Pseudo turbulence in PIV breaking-wave measurements. <i>Experiments in Fluids</i> , <b>2000</b> , 29, 331-338	2.5	23
97	Solitary Wave Interaction with Porous Breakwaters. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2000</b> , 126, 314-322	1.7	47
96	El modelado matemático de la propagación del oleaje en ingeniería de costas. <i>Ingeniería Del Agua</i> , <b>2000</b> , 7, 37	0.7	
95	FREE SURFACE TRACKING METHODS AND THEIR APPLICATIONS TO WAVE HYDRODYNAMICS. <i>Series on Quality, Reliability and Engineering Statistics</i> , <b>1999</b> , 213-240		8

94	Numerical Modeling of Wave Interaction with Porous Structures. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>1999</b> , 125, 322-330	1.7	259
93	Internal Wave-Maker for Navier-Stokes Equations Models. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>1999</b> , 125, 207-215	1.7	203
92	Runup and Rundown of Solitary Waves on Sloping Beaches. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>1999</b> , 125, 247-255	1.7	92
91	Experimental investigation of turbulence generated by breaking waves in water of intermediate depth. <i>Physics of Fluids</i> , <b>1999</b> , 11, 3390-3400	4.4	68
90	An operator splitting algorithm for the three-dimensional advection-diffusion equation. <i>International Journal for Numerical Methods in Fluids</i> , <b>1998</b> , 28, 461-476	1.9	8
89	Numerical analyses of operator-splitting algorithms for the two-dimensional advection-diffusion equation. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1998</b> , 152, 337-359	5.7	13
88	A generalized modified Kadomtsev-Petviashvili equation for interfacial wave propagation near the critical depth level. <i>Wave Motion</i> , <b>1998</b> , 27, 321-339	1.8	8
87	Velocity, acceleration and vorticity under a breaking wave. <i>Physics of Fluids</i> , <b>1998</b> , 10, 327-329	4.4	88
86	Turbulence transport, vorticity dynamics, and solute mixing under plunging breaking waves in surf zone. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 15677-15694		116
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