

# Frederic Dias

## List of Publications by Citations

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226  
papers

7,482  
citations

43  
h-index

79  
g-index

276  
ext. papers

8,684  
ext. citations

4  
avg, IF

6.32  
L-index

#	Paper	IF	Citations
226	The Peregrine soliton in nonlinear fibre optics. <i>Nature Physics</i> , <b>2010</b> , 6, 790-795	16.2	927
225	Instabilities, breathers and rogue waves in optics. <i>Nature Photonics</i> , <b>2014</b> , 8, 755-764	33.9	544
224	Modulation instability, Akhmediev Breathers and continuous wave supercontinuum generation. <i>Optics Express</i> , <b>2009</b> , 17, 21497-508	3.3	351
223	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. <i>Scientific Reports</i> , <b>2012</b> , 2, 463	4.9	282
222	NONLINEAR GRAVITY AND CAPILLARY-GRAVITY WAVES. <i>Annual Review of Fluid Mechanics</i> , <b>1999</b> , 31, 301-346	22	231
221	A fully non-linear model for three-dimensional overturning waves over an arbitrary bottom. <i>International Journal for Numerical Methods in Fluids</i> , <b>2001</b> , 35, 829-867	1.9	188
220	Real world ocean rogue waves explained without the modulational instability. <i>Scientific Reports</i> , <b>2016</b> , 6, 27715	4.9	130
219	One-dimensional wave turbulence. <i>Physics Reports</i> , <b>2004</b> , 398, 1-65	27.7	121
218	Gravity-capillary solitary waves in water of infinite depth and related free-surface flows. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 240, 549	3.7	114
217	Real-time measurements of spontaneous breathers and rogue wave events in optical fibre modulation instability. <i>Nature Communications</i> , <b>2016</b> , 7, 13675	17.4	113
216	Real-time full bandwidth measurement of spectral noise in supercontinuum generation. <i>Scientific Reports</i> , <b>2012</b> , 2, 882	4.9	107
215	Rogue waves and analogies in optics and oceanography. <i>Nature Reviews Physics</i> , <b>2019</b> , 1, 675-689	23.6	103
214	Theory of weakly damped free-surface flows: A new formulation based on potential flow solutions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2008</b> , 372, 1297-1302	2.3	92
213	Numerical modeling of extreme rogue waves generated by directional energy focusing. <i>Wave Motion</i> , <b>2007</b> , 44, 395-416	1.8	90
212	Resonant behaviour of an oscillating wave energy converter in a channel. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 701, 482-510	3.7	84
211	Rogue waves ¶owards a unifying concept?: Discussions and debates. <i>European Physical Journal: Special Topics</i> , <b>2010</b> , 185, 5-15	2.3	82
210	Collisions and turbulence in optical rogue wave formation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 989-996	2.3	82

209	Bifurcations of solitons and their stability. <i>Physics Reports</i> , <b>2011</b> , 507, 43-105	27.7	81
208	Nonlinear effects in the response of a floating ice plate to a moving load. <i>Journal of Fluid Mechanics</i> , <b>2002</b> , 460, 281-305	3.7	80
207	Hydrodynamics of the oscillating wave surge converter in the open ocean. <i>European Journal of Mechanics, B/Fluids</i> , <b>2013</b> , 41, 1-10	2.4	75
206	The nearshore wind and wave energy potential of Ireland: A high resolution assessment of availability and accessibility. <i>Renewable Energy</i> , <b>2016</b> , 88, 494-516	8.1	74
205	Real time noise and wavelength correlations in octave-spanning supercontinuum generation. <i>Optics Express</i> , <b>2013</b> , 21, 18452-60	3.3	71
204	Open channel flows with submerged obstructions. <i>Journal of Fluid Mechanics</i> , <b>1989</b> , 206, 155-170	3.7	71
203	Emergent rogue wave structures and statistics in spontaneous modulation instability. <i>Scientific Reports</i> , <b>2015</b> , 5, 10380	4.9	69
202	Wave interaction with an oscillating wave surge converter, Part I: Viscous effects. <i>Ocean Engineering</i> , <b>2015</b> , 104, 185-203	3.9	67
201	Comparison between three-dimensional linear and nonlinear tsunami generation models. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2007</b> , 21, 245-269	2.3	66
200	Capillary-gravity solitary waves with damped oscillations. <i>Physica D: Nonlinear Phenomena</i> , <b>1993</b> , 65, 399-423	3.3	63
199	Measuring currents, ice drift, and waves from space: the Sea surface Kinematics Multiscale monitoring (SKIM) concept. <i>Ocean Science</i> , <b>2018</b> , 14, 337-354	4	60
198	Wave interaction with an Oscillating Wave Surge Converter. Part II: Slamming. <i>Ocean Engineering</i> , <b>2016</b> , 113, 319-334	3.9	55
197	How does Oyster work? The simple interpretation of Oyster mathematics. <i>European Journal of Mechanics, B/Fluids</i> , <b>2014</b> , 47, 124-131	2.4	55
196	The VOLNA code for the numerical modeling of tsunami waves: Generation, propagation and inundation. <i>European Journal of Mechanics, B/Fluids</i> , <b>2011</b> , 30, 598-615	2.4	54
195	On the fully-nonlinear shallow-water generalized Serre equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 1049-1053	2.3	54
194	The challenging life of wave energy devices at sea: A few points to consider. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 43, 1263-1272	16.2	53
193	Trapped waves between submerged obstacles. <i>Journal of Fluid Mechanics</i> , <b>2004</b> , 509, 93-102	3.7	53
192	Slamming: Recent Progress in the Evaluation of Impact Pressures. <i>Annual Review of Fluid Mechanics</i> , <b>2018</b> , 50, 243-273	2.2	52

191	Linking reduced breaking crest speeds to unsteady nonlinear water wave group behavior. <i>Physical Review Letters</i> , <b>2014</b> , 112, 114502	7.4	52
190	Numerical computation of capillary-gravity interfacial solitary waves. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 349, 221-251	3.7	52
189	A fast method for nonlinear three-dimensional free-surface waves. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2006</b> , 462, 2715-2735	2.4	51
188	Generalised critical free-surface flows. <i>Journal of Engineering Mathematics</i> , <b>2002</b> , 42, 291-301	1.2	51
187	Wave-power absorption from a finite array of oscillating wave surge converters. <i>Renewable Energy</i> , <b>2014</b> , 63, 55-68	8.1	47
186	Direct detection of optical rogue wave energy statistics in supercontinuum generation. <i>Electronics Letters</i> , <b>2009</b> , 45, 217	1.1	45
185	Wave turbulence in one-dimensional models. <i>Physica D: Nonlinear Phenomena</i> , <b>2001</b> , 152-153, 573-619	3.3	45
184	Relations for a periodic array of flap-type wave energy converters. <i>Applied Ocean Research</i> , <b>2013</b> , 39, 31-39	3.4	43
183	On a unified breaking onset threshold for gravity waves in deep and intermediate depth water. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 841, 463-488	3.7	42
182	The numerical computation of freely propagating time-dependent irrotational water waves. <i>Fluid Dynamics Research</i> , <b>2006</b> , 38, 803-830	1.2	42
181	Water-Waves as a Spatial Dynamical System. <i>Handbook of Mathematical Fluid Dynamics</i> , <b>2003</b> , 2, 443-499		42
180	Viscous potential free-surface flows in a fluid layer of finite depth. <i>Comptes Rendus Mathematique</i> , <b>2007</b> , 345, 113-118	0.4	40
179	Dissipative Boussinesq equations. <i>Comptes Rendus - Mecanique</i> , <b>2007</b> , 335, 559-583	2.1	40
178	Linear theory of wave generation by a moving bottom. <i>Comptes Rendus Mathematique</i> , <b>2006</b> , 343, 499-504		40
177	Extreme wave events in Ireland: 14 680 BP-2012. <i>Natural Hazards and Earth System Sciences</i> , <b>2013</b> , 13, 625-648	3.9	38
176	Forced solitary waves and fronts past submerged obstacles. <i>Chaos</i> , <b>2005</b> , 15, 37106	3.3	38
175	A long-term nearshore wave hindcast for Ireland: Atlantic and Irish Sea coasts (1979-2012). <i>Ocean Dynamics</i> , <b>2014</b> , 64, 1163-1180	2.3	36
174	Energy of tsunami waves generated by bottom motion. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2009</b> , 465, 725-744	2.4	36

173	New computational methods in tsunami science. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2015</b> , 373,	3	35
172	Stability of some stationary solutions to the forced KdV equation with one or two bumps. <i>Journal of Engineering Mathematics</i> , <b>2011</b> , 70, 175-189	1.2	35
171	Extreme waves induced by strong depth transitions: Fully nonlinear results. <i>Physics of Fluids</i> , <b>2014</b> , 26, 051705	4.4	34
170	Resonant capillary-gravity interfacial waves. <i>Journal of Fluid Mechanics</i> , <b>1994</b> , 265, 303-343	3.7	33
169	Ship waves and Kelvin. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 746, 1-4	3.7	32
168	Flows emerging from a nozzle and falling under gravity. <i>Journal of Fluid Mechanics</i> , <b>1990</b> , 213, 465	3.7	31
167	Effect of a straight coast on the hydrodynamics and performance of the Oscillating Wave Surge Converter. <i>Ocean Engineering</i> , <b>2015</b> , 105, 25-32	3.9	30
166	Analytical and computational modelling for wave energy systems: the example of oscillating wave surge converters. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2017</b> , 33, 647-662	2	30
165	Conditions for extreme wave runup on a vertical barrier by nonlinear dispersion. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 748, 768-788	3.7	29
164	Extreme wave runup on a vertical cliff. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 3138-3143	4.9	29
163	Caustics and Rogue Waves in an Optical Sea. <i>Scientific Reports</i> , <b>2015</b> , 5, 12822	4.9	28
162	Statistical emulation of a tsunami model for sensitivity analysis and uncertainty quantification. <i>Natural Hazards and Earth System Sciences</i> , <b>2012</b> , 12, 2003-2018	3.9	28
161	A Boussinesq system for two-way propagation of interfacial waves. <i>Physica D: Nonlinear Phenomena</i> , <b>2008</b> , 237, 2365-2389	3.3	28
160	Water waves generated by a moving bottom <b>2007</b> , 65-95		28
159	Numerical study of generalized interfacial solitary waves. <i>Physics of Fluids</i> , <b>1999</b> , 11, 1502-1511	4.4	28
158	Prediction and optimization of wave energy converter arrays using a machine learning approach. <i>Renewable Energy</i> , <b>2016</b> , 97, 504-517	8.1	27
157	Computing the Maslov index of solitary waves, Part 1: Hamiltonian systems on a four-dimensional phase space. <i>Physica D: Nonlinear Phenomena</i> , <b>2009</b> , 238, 1841-1867	3.3	27
156	Steady Free-surface Flow Past an Uneven Channel Bottom. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2006</b> , 20, 125-144	2.3	27

155	Statistical emulation of landslide-induced tsunamis at the Rockall Bank, NE Atlantic. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2017</b> , 473, 20170026	2.4	26
154	Incoherent resonant seeding of modulation instability in optical fiber. <i>Optics Letters</i> , <b>2013</b> , 38, 5338-41	3	26
153	Interfacial periodic waves of permanent form with free-surface boundary conditions. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 437, 325-336	3.7	26
152	Wave farm modelling of oscillating wave surge converters. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2014</b> , 470, 20140118	2.4	25
151	Tsunami generation by dynamic displacement of sea bed due to dip-slip faulting. <i>Mathematics and Computers in Simulation</i> , <b>2009</b> , 80, 837-848	3.3	25
150	Extreme events in optics: Challenges of the MANUREVA project. <i>European Physical Journal: Special Topics</i> , <b>2010</b> , 185, 125-133	2.3	25
149	Local run-up amplification by resonant wave interactions. <i>Physical Review Letters</i> , <b>2011</b> , 107, 124502	7.4	24
148	Enhancement of the Benjamin-Feir instability with dissipation. <i>Physics of Fluids</i> , <b>2007</b> , 19, 104104	4.4	23
147	On the nonlinear stability of solitary wave solutions of the fifth-order Korteweg-de Vries equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1999</b> , 263, 98-104	2.3	23
146	Ideal jet flow in two dimensions. <i>Journal of Fluid Mechanics</i> , <b>1987</b> , 185, 275-288	3.7	23
145	How does wave impact generate large boulders? Modelling hydraulic fracture of cliffs and shore platforms. <i>Marine Geology</i> , <b>2018</b> , 399, 34-46	3.3	22
144	Steady three-dimensional water-wave patterns on a finite-depth fluid. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 436, 145-175	3.7	22
143	Systematic Review Shows That Work Done by Storm Waves Can Be Misinterpreted as Tsunami-Related Because Commonly Used Hydrodynamic Equations Are Flawed. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	21
142	On the Modelling of Tsunami Generation and Tsunami Inundation. <i>Procedia IUTAM</i> , <b>2014</b> , 10, 338-355		21
141	The modular concept of the Oscillating Wave Surge Converter. <i>Renewable Energy</i> , <b>2016</b> , 85, 484-497	8.1	20
140	Can small islands protect nearby coasts from tsunamis? An active experimental design approach. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2014</b> , 470, 20140575	2.4	20
139	On the use of the finite fault solution for tsunami generation problems. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2013</b> , 27, 177-199	2.3	20
138	A two-fluid model for violent aerated flows. <i>Computers and Fluids</i> , <b>2010</b> , 39, 283-293	2.8	20

137	Influence of rapid changes in a channel bottom on free-surface flows. <i>IMA Journal of Applied Mathematics</i> , <b>2007</b> , 73, 254-273	1	20
136	Nonlinear bow flows with spray. <i>Journal of Fluid Mechanics</i> , <b>1993</b> , 255, 91	3.7	19
135	Stability of capillary-gravity interfacial waves between two bounded fluids. <i>Physics of Fluids</i> , <b>1995</b> , 7, 3013-3027	4.4	18
134	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. <i>Frontiers in Earth Science</i> , 9,	3.5	18
133	Emergence of coherent wave groups in deep-water random sea. <i>Physical Review E</i> , <b>2013</b> , 87, 063001	2.4	17
132	On internal fronts. <i>Journal of Fluid Mechanics</i> , <b>2003</b> , 479, 145-154	3.7	17
131	Weir flows and waterfalls. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 230, 525-539	3.7	17
130	Wave climate projections for Ireland for the end of the 21st century including analysis of EC-Earth winds over the North Atlantic Ocean. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 4592-4607	3.5	17
129	Flap gate farm: From Venice lagoon defense to resonating wave energy production. Part 2: Synchronous response to incident waves in open sea. <i>Applied Ocean Research</i> , <b>2015</b> , 52, 43-61	3.4	16
128	PROGRESS IN FULLY NONLINEAR POTENTIAL FLOW MODELING OF 3D EXTREME OCEAN WAVES. <i>Series on Quality, Reliability and Engineering Statistics</i> , <b>2010</b> , 75-128		16
127	Two-layer hydraulic falls over an obstacle. <i>European Journal of Mechanics, B/Fluids</i> , <b>2004</b> , 23, 879-898	2.4	16
126	The effect of the induced mean flow on solitary waves in deep water. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 355, 317-328	3.7	16
125	Characteristics of wave amplitude and currents in South China Sea induced by a virtual extreme tsunami. <i>Journal of Hydrodynamics</i> , <b>2017</b> , 29, 377-392	3.3	15
124	The pressure impulse of wave slamming on an oscillating wave energy converter. <i>Journal of Fluids and Structures</i> , <b>2018</b> , 82, 258-271	3.1	15
123	Hydro-acoustic precursors of gravity waves generated by surface pressure disturbances localised in space and time. <i>Journal of Fluid Mechanics</i> , <b>2014</b> , 754, 250-262	3.7	15
122	The Conformal-mapping Method for Surface Gravity Waves in the Presence of Variable Bathymetry and Mean Current. <i>Procedia IUTAM</i> , <b>2014</b> , 11, 110-118		15
121	Computing the Maslov index of solitary waves, Part 2: Phase space with dimension greater than four. <i>Physica D: Nonlinear Phenomena</i> , <b>2011</b> , 240, 1334-1344	3.3	15
120	Flows over rectangular weirs. <i>Physics of Fluids</i> , <b>1988</b> , 31, 2071		15

119	Catalogue of extreme wave events in Ireland: revised and updated for 14 680 BP to 2017. <i>Natural Hazards and Earth System Sciences</i> , <b>2018</b> , 18, 729-758	3.9	15
118	Numerical Simulation of Wave Interaction With an Oscillating Wave Surge Converter <b>2013</b> ,		14
117	Generalized solitary waves and fronts in coupled Korteweg-de Vries systems. <i>Physica D: Nonlinear Phenomena</i> , <b>2005</b> , 210, 96-117	3.3	14
116	Interfacial waves with free-surface boundary conditions: an approach via a model equation. <i>Physica D: Nonlinear Phenomena</i> , <b>2001</b> , 150, 278-300	3.3	14
115	The 1:2 resonance with $O(2)$ symmetry and its applications in hydrodynamics. <i>Journal of Nonlinear Science</i> , <b>1995</b> , 5, 105-129	2.8	14
114	A potential flow model with viscous dissipation based on a modified boundary element method. <i>Engineering Analysis With Boundary Elements</i> , <b>2018</b> , 97, 1-15	2.6	14
113	On the steady-state resonant acoustic-gravity waves. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 849, 111-135	3.7	13
112	Deep-water internal solitary waves near critical density ratio. <i>Physica D: Nonlinear Phenomena</i> , <b>2007</b> , 225, 153-168	3.3	13
111	Rheological considerations for the modelling of submarine sliding at Rockall Bank, NE Atlantic Ocean. <i>Physics of Fluids</i> , <b>2018</b> , 30, 030705	4.4	12
110	Influence of sedimentary layering on tsunami generation. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2010</b> , 199, 1268-1275	5.7	12
109	Steady two-layer flows over an obstacle. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2002</b> , 360, 2137-54	3	12
108	Geometric Aspects of Spatially Periodic Interfacial Waves. <i>Studies in Applied Mathematics</i> , <b>1994</b> , 93, 93-132		12
107	Measuring currents, ice drift, and waves from space: the Sea Surface Kinematics Multiscale monitoring (SKIM) concept <b>2017</b> ,		11
106	Large nearshore storm waves off the Irish coast. <i>Scientific Reports</i> , <b>2019</b> , 9, 15406	4.9	11
105	A new model of viscous dissipation for an oscillating wave surge converter. <i>Journal of Engineering Mathematics</i> , <b>2017</b> , 103, 195-216	1.2	11
104	Numerical Simulation of Wave Impact on a Rigid Wall Using a Two-phase Compressible SPH Method. <i>Procedia IUTAM</i> , <b>2015</b> , 18, 123-137		11
103	NAO and extreme ocean states in the Northeast Atlantic Ocean. <i>Advances in Science and Research</i> , <b>2014</b> , 14, 23-33		11
102	Functional emulation of high resolution tsunami modelling over Cascadia. <i>Annals of Applied Statistics</i> , <b>2018</b> , 12,	2.1	11



101	The VOLNA-OP2 tsunami code (version 1.5). <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 4621-4635	6.3	11
100	Motion-resonant modes of large articulated damped oscillators in waves. <i>Journal of Fluids and Structures</i> , <b>2014</b> , 49, 705-715	3.1	10
99	On Hokusai's : localization, linearity and a rogue wave in sub-Antarctic waters. <i>Notes and Records of the Royal Society</i> , <b>2013</b> , 67, 159-164	0.4	10
98	Impact of a rising stream on a horizontal plate of finite extent. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 621, 243-258	3.7	10
97	Fast computation of the Maslov index for hyperbolic linear systems with periodic coefficients. <i>Journal of Physics A</i> , <b>2006</b> , 39, 14545-14557		10
96	Spatial bifurcations of interfacial waves when the phase and group velocities are nearly equal. <i>Journal of Fluid Mechanics</i> , <b>1995</b> , 295, 121	3.7	10
95	An analysis of two-dimensional water waves based on $O(2)$ symmetry. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>1990</b> , 14, 733-764	1.3	10
94	Twenty-first century wave climate projections for Ireland and surface winds in the North Atlantic Ocean. <i>Advances in Science and Research</i> , <b>13</b> , 75-80		10
93	Comparison of numerical hindcasted severe waves with Doppler radar measurements in the North Sea. <i>Ocean Dynamics</i> , <b>2017</b> , 67, 103-115	2.3	9
92	Uncertainties in the 2004 Sumatra-Andaman source through nonlinear stochastic inversion of tsunami waves. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2017</b> , 473, 20170353	2.4	9
91	Modified shock velocity in heterogeneous wetted foams in the strong shock limit. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 012702	2.1	9
90	On satisfying the radiation condition in free-surface flows. <i>Journal of Fluid Mechanics</i> , <b>2009</b> , 624, 179-189.	3.7	9
89	Ideal jets falling under gravity. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1991</b> , 3, 1711-1717		9
88	Pressure induced by the interaction of water waves with nearly equal frequencies and nearly opposite directions. <i>Theoretical and Applied Mechanics Letters</i> , <b>2017</b> , 7, 138-144	1.8	8
87	A Detailed Investigation of the Nearshore Wave Climate and the Nearshore Wave Energy Resource on the West Coast of Ireland <b>2013</b> ,		8
86	Analysis of the pressure at a vertical barrier due to extreme wave run-up over variable bathymetry. <i>Theoretical and Applied Mechanics Letters</i> , <b>2017</b> , 7, 269-275	1.8	8
85	On the Maslov index of multi-pulse homoclinic orbits. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2009</b> , 465, 2897-2910	2.4	8
84	Impact of a falling jet. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 657, 22-35	3.7	8

83	A steady breaking wave. <i>Physics of Fluids A, Fluid Dynamics</i> , <b>1993</b> , 5, 277-279		8
82	Capillary-gravity periodic and solitary waves. <i>Physics of Fluids</i> , <b>1994</b> , 6, 2239-2241	4.4	8
81	DYNAMICS OF TSUNAMI WAVES <b>2007</b> , 201-224		8
80	Will oscillating wave surge converters survive tsunamis?. <i>Theoretical and Applied Mechanics Letters</i> , <b>2015</b> , 5, 160-166	1.8	7
79	Wave breaking and runup of long waves approaching a cliff over a variable bathymetry. <i>Procedia IUTAM</i> , <b>2017</b> , 25, 18-27		7
78	Wave Power Extraction by an Oscillating Wave Surge Converter in Random Seas <b>2013</b> ,		7
77	Potential-flow studies of steady two-dimensional jets, waterfalls, weirs and sprays. <i>Journal of Engineering Mathematics</i> , <b>2011</b> , 70, 165-174	1.2	7
76	A Study of the Tsunami Effects of Two Landslides in the St. Lawrence Estuary <b>2010</b> , 755-764		7
75	Faster Than Real Time Tsunami Warning with Associated Hazard Uncertainties. <i>Frontiers in Earth Science</i> , <b>2021</b> , 8,	3.5	7
74	Extreme Waves in Crossing Sea States. <i>International Journal of Ocean and Coastal Engineering</i> , <b>2018</b> , 01, 1850001	0.5	7
73	Extreme long waves over a varying bathymetry. <i>Journal of Fluid Mechanics</i> , <b>2019</b> , 878, 481-501	3.7	6
72	The Vertical Distribution and Evolution of Slam Pressure on an Oscillating Wave Surge Converter <b>2015</b> ,		6
71	Tsunami Generation Above a Sill. <i>Pure and Applied Geophysics</i> , <b>2015</b> , 172, 985-1002	2.2	6
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69	Kolmogorov spectra of weak turbulence in media with two types of interacting waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2001</b> , 291, 139-145	2.3	6
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