

# Alex Babanin

## 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.

164  
papers

5,462  
citations

39  
h-index

70  
g-index

195  
ext. papers

6,358  
ext. citations

3.8  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
164	Effect of initial condition uncertainty on the profile of maximum wave. <i>Marine Structures</i> , <b>2022</b> , 82, 103133	3.8	1
163	OpenMetBuoy-v2021: An Easy-to-Build, Affordable, Customizable, Open-Source Instrument for Oceanographic Measurements of Drift and Waves in Sea Ice and the Open Ocean. <i>Geosciences (Switzerland)</i> , <b>2022</b> , 12, 110	2.7	0
162	Wave breaking probabilities under wind forcing in open sea and laboratory. <i>Physics of Fluids</i> , <b>2022</b> , 34, 032122	4.4	0
161	The wave climate of Bass Strait and South-East Australia. <i>Ocean Modelling</i> , <b>2022</b> , 172, 101980	3	0
160	Probabilistic assessment of rogue wave occurrence in directional wave fields. <i>Ocean Dynamics</i> , <b>2021</b> , 71, 1141	2.3	1
159	A Wind-Wave-Dependent Sea Spray Volume Flux Model Based on Field Experiments. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 1168	2.4	2
158	Wave Anomaly Detection in Wave Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2021</b> , 38, 525-536	2	1
157	An algorithm for tracking drifters dispersion induced by wave turbulence using optical cameras. <i>Computers and Geosciences</i> , <b>2021</b> , 148, 104654	4.5	
156	Effects of Wave-Induced Sea Ice Break-Up and Mixing in a High-Resolution Coupled Ice-Ocean Model. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 365	2.4	6
155	Wave energy attenuation by drifting and non-drifting floating rigid plates. <i>Ocean Engineering</i> , <b>2021</b> , 226, 108717	3.9	3
154	Oceanic eddy-induced modifications to air-sea heat and CO fluxes in the Brazil-Malvinas Confluence. <i>Scientific Reports</i> , <b>2021</b> , 11, 10648	4.9	3
153	Intercomparison of Arctic sea ice simulation in ROMS-CICE and ROMS-Budgell. <i>Polar Science</i> , <b>2021</b> , 29, 100716	2.3	0
152	Modelling rogue waves in 1D wave trains with the JONSWAP spectrum, by means of the High Order Spectral Method and a fully nonlinear numerical model. <i>Ocean Engineering</i> , <b>2021</b> , 231, 108715	3.9	2
151	Observation of on-ice wind waves under grease ice in the western Arctic Ocean. <i>Polar Science</i> , <b>2021</b> , 27, 100567	2.3	9
150	Kinetic equations in a third-generation spectral wave model. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 910,	3.7	2
149	Validation of Wave Spectral Partitions From SWIM Instrument On-Board CFOSAT Against In Situ Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-13	8.1	6
148	Global Wave Hindcasts Using the Observation-Based Source Terms: Description and Validation. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2021</b> , 13, e2021MS002493	7.1	5

147	Hydrodynamic Climate of Port Phillip Bay. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 898	2.4	1
146	The turbulent dispersion of surface drifters by water waves: experimental study. <i>Ocean Dynamics</i> , <b>2021</b> , 71, 379-389	2.3	0
145	Impacts of the Wave-Dependent Sea Spray Parameterizations on Air-Sea-Wave Coupled Modeling under an Idealized Tropical Cyclone. <i>Journal of Marine Science and Engineering</i> , <b>2021</b> , 9, 1390	2.4	1
144	Wave dispersion and dissipation in landfast ice: comparison of observations against models. <i>Cryosphere</i> , <b>2021</b> , 15, 5557-5575	5.5	5
143	Standing wave field observations at a vertical wall. <i>Coastal Engineering</i> , <b>2020</b> , 160, 103749	4.8	5
142	A high-resolution wave energy resource assessment of Indonesia. <i>Renewable Energy</i> , <b>2020</b> , 160, 1349-1363	3.3	10
141	The Wave Climate of the Southern Ocean. <i>Journal of Physical Oceanography</i> , <b>2020</b> , 50, 1417-1433	2.4	17
140	Estimating Wind Speed and Direction Using Wave Spectra. <i>Journal of Geophysical Research: Oceans</i> , <b>2020</b> , 125, e2019JC015717	3.3	5
139	Nighttime Cool Skin Effect Observed from Infrared SST Autonomous Radiometer (ISAR) and Depth Temperatures. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2020</b> , 37, 33-46	2	7
138	Experimental study on surface wave modifications by different ice covers. <i>Cold Regions Science and Technology</i> , <b>2020</b> , 174, 103042	3.8	7
137	Spectral Modeling of Ice-Induced Wave Decay. <i>Journal of Physical Oceanography</i> , <b>2020</b> , 50, 1583-1604	2.4	17
136	Experimental evidence for a universal threshold characterizing wave-induced sea ice break-up. <i>Cryosphere</i> , <b>2020</b> , 14, 4265-4278	5.5	13
135	Field observations of sea spray under Tropical Cyclone Olwyn. <i>Ocean Dynamics</i> , <b>2020</b> , 70, 1439-1448	2.3	3
134	15 Priorities for Wind-Waves Research: An Australian Perspective. <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E446-E461	6.1	6
133	Effect of wave-induced mixing on Antarctic sea ice in a high-resolution ocean model. <i>Ocean Dynamics</i> , <b>2019</b> , 69, 737-746	2.3	5
132	Wave Attenuation by Sea Ice Turbulence. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 6796-6803	4.9	26
131	On Natural Modulational Bandwidth of Deep-Water Surface Waves. <i>Fluids</i> , <b>2019</b> , 4, 67	1.6	4
130	Cool skin signals observed from Advanced Along-Track Scanning Radiometer (AATSR) and in situ SST measurements. <i>Remote Sensing of Environment</i> , <b>2019</b> , 226, 38-50	13.2	6

129	Directional soliton and breather beams. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 9759-9763	11.5	11
128	AirSea Momentum Fluxes during Tropical Cyclone Olwyn. <i>Journal of Physical Oceanography</i> , <b>2019</b> , 49, 1369-1379	2.4	7
127	Wave Generation by Wind <b>2019</b> , 707-712		
126	SEASTAR: A Mission to Study Ocean Submesoscale Dynamics and Small-Scale Atmosphere-Ocean Processes in Coastal, Shelf and Polar Seas. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	19
125	Waves and Swells in High Wind and Extreme Fetches, Measurements in the Southern Ocean. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	24
124	Downscaling Future Longshore Sediment Transport in South Eastern Australia. <i>Journal of Marine Science and Engineering</i> , <b>2019</b> , 7, 289	2.4	2
123	Field investigations of coastal sea surface temperature drop after typhoon passages. <i>Earth System Science Data</i> , <b>2019</b> , 11, 323-340	10.5	3
122	Prototype of web-based daily work report management system using smart pens. <i>Journal of Applied Engineering Science</i> , <b>2019</b> , 17, 280-283	1.2	1
121	Parameterization of Wave Boundary Layer.. <i>Atmosphere</i> , <b>2019</b> , 10, 686	2.7	2
120	Observation-Based Source Terms in the Third-Generation Wave Model WAVEWATCH III: Updates and Verification. <i>Journal of Physical Oceanography</i> , <b>2019</b> , 49, 489-517	2.4	55
119	Changes in Ocean Heat Content Caused by Wave-Induced Mixing in a High-Resolution Ocean Model. <i>Journal of Physical Oceanography</i> , <b>2018</b> , 48, 1139-1150	2.4	9
118	Overview of the Arctic Sea State and Boundary Layer Physics Program. <i>Journal of Geophysical Research: Oceans</i> , <b>2018</b> , 123, 8674-8687	3.3	71
117	Winds near the Surface of Waves: Observations and Modeling. <i>Journal of Physical Oceanography</i> , <b>2018</b> , 48, 1079-1088	2.4	16
116	Initial Evaluation of the Sensor-Specific Error Statistics in the NOAA Advanced Clear-Sky Processor for Oceans SST System: Diurnal Variation Signals Captured. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2018</b> , 15, 1642-1646	4.1	
115	The Dependence of Sea SAR Image Distribution Parameters on Surface Wave Characteristics. <i>Remote Sensing</i> , <b>2018</b> , 10, 1843	5	5
114	COUPLING SPECTRAL AND PHASE-RESOLVING WAVE MODEL FOR FORECASTING OF EXTREME WAVES IN WIND SEAS. <i>Coastal Engineering Proceedings</i> , <b>2018</b> , 20	1.4	
113	Change of Regime of Air-Sea Dynamics in Extreme Metocean Conditions <b>2018</b> ,		1
112	An assessment of the impact of surface currents on wave modeling in the Southern Ocean. <i>Ocean Dynamics</i> , <b>2018</b> , 68, 939-955	2.3	19

111	Current-induced dissipation in spectral wave models. <i>Journal of Geophysical Research: Oceans</i> , <b>2017</b> , 122, 2205-2225	3.3	13
110	Simulated ocean response to tropical cyclones: The effect of a novel parameterization of mixing from unbroken surface waves. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2017</b> , 9, 759-780	7.1	15
109	Nonbreaking wave-induced mixing in upper ocean during tropical cyclones using coupled hurricane-ocean-wave modeling. <i>Journal of Geophysical Research: Oceans</i> , <b>2017</b> , 122, 3939-3963	3.3	31
108	Calibration and Cross Validation of a Global Wind and Wave Database of Altimeter, Radiometer, and Scatterometer Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2017</b> , 34, 1285-1306 <sup>2</sup>		50
107	Estimation of Kinetic Energy Dissipation from Breaking Waves in the Wave Crest Region. <i>Journal of Physical Oceanography</i> , <b>2017</b> , 47, 1145-1150	2.4	11
106	Similarity Theory for Turbulence, Induced by Orbital Motion of Surface Water Waves. <i>Procedia IUTAM</i> , <b>2017</b> , 20, 99-102		5
105	Modeling of suspended sediment concentrations under combined wave-current flow over rippled bed. <i>Estuarine, Coastal and Shelf Science</i> , <b>2017</b> , 199, 59-73	2.9	4
104	Ocean Swell: How Much Do We Know <b>2017</b> ,		4
103	In situ observations of infragravity wave directionality at nearshore coastal sites <b>2017</b> ,		1
102	Limitation of SAR Quasi-Linear Inversion Data on Swell Climate: An Example of Global Crossing Swells. <i>Remote Sensing</i> , <b>2017</b> , 9, 107	5	14
101	Can contemporary satellites estimate swell dissipation rate?. <i>Remote Sensing of Environment</i> , <b>2017</b> , 201, 24-33	13.2	8
100	Numerical simulations of ocean surface waves under hurricane conditions: Assessment of existing model performance. <i>Ocean Modelling</i> , <b>2017</b> , 118, 73-93	3	65
99	Wave observations from an array of directional buoys over the southern Brazilian coast. <i>Ocean Dynamics</i> , <b>2017</b> , 67, 1577-1591	2.3	12
98	On the analysis of 2D nonlinear gravity waves with a fully nonlinear numerical model. <i>Wave Motion</i> , <b>2017</b> , 70, 152-165	1.8	2
97	The effect on simulated ocean climate of a parameterization of unbroken wave-induced mixing incorporated into the k-epsilon mixing scheme. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2017</b> , 9, 735-758	7.1	10
96	Wave Breaking and Dissipation <b>2017</b> , 1-9		
95	Advanced wave modeling, including wave-current interaction. <i>Journal of Marine Research</i> , <b>2017</b> , 75, 239-262	2.6	7
94	Detection and analysis of coherent groups in three-dimensional fully-nonlinear potential wave fields. <i>Ocean Modelling</i> , <b>2016</b> , 103, 73-86	3	6

93	Comparison and validation of physical wave parameterizations in spectral wave models. <i>Ocean Modelling</i> , <b>2016</b> , 103, 2-17	3	95
92	Wind and Wave Climate in the Arctic Ocean as Observed by Altimeters. <i>Journal of Climate</i> , <b>2016</b> , 29, 7954-7975	4	58
91	Event-Based Validation of Swell Arrival Time. <i>Journal of Physical Oceanography</i> , <b>2016</b> , 46, 3563-3569	2.4	17
90	Field Observation Site for Air-Sea Interactions in Tropical Cyclones <b>2016</b> ,		1
89	Observations of the directional distribution of the wind energy input function over swell waves. <i>Journal of Geophysical Research: Oceans</i> , <b>2016</b> , 121, 1174-1193	3.3	5
88	Nonlinear sharpening during superposition of surface waves. <i>Ocean Dynamics</i> , <b>2016</b> , 66, 931-937	2.3	5
87	Laboratory Experiments on the Effects of a Variable Current Field on the Spectral Geometry of Water Waves. <i>Journal of Physical Oceanography</i> , <b>2016</b> , 46, 2695-2717	2.4	8
86	Wave spectral response to sudden changes in wind direction in finite-depth waters. <i>Ocean Modelling</i> , <b>2016</b> , 103, 98-117	3	18
85	Calibration and Validation of HY-2 Altimeter Wave Height. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2016</b> , 33, 919-936	2	30
84	The generalized kinetic equation as a model for the nonlinear transfer in third-generation wave models. <i>Ocean Dynamics</i> , <b>2016</b> , 66, 509-526	2.3	7
83	Non-Gaussian properties of second-order wave orbital velocity. <i>Coastal Engineering</i> , <b>2016</b> , 110, 42-49	4.8	8
82	Emerging trends in the sea state of the Beaufort and Chukchi seas. <i>Ocean Modelling</i> , <b>2016</b> , 105, 1-12	3	63
81	Comparison of linear and nonlinear extreme wave statistics. <i>Acta Oceanologica Sinica</i> , <b>2016</b> , 35, 99-105	1	6
80	The nonlinear Schrödinger equation and the propagation of weakly nonlinear waves in optical fibers and on the water surface. <i>Annals of Physics</i> , <b>2015</b> , 361, 490-500	2.5	49
79	Observation of wind-waves from a moored buoy in the Southern Ocean. <i>Ocean Dynamics</i> , <b>2015</b> , 65, 1275-1288	2.4	24
78	In situ measurements of an energetic wave event in the Arctic marginal ice zone. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1863-1870	4.9	80
77	A comparison of methods for estimating directional spectra of surface waves. <i>Journal of Geophysical Research: Oceans</i> , <b>2015</b> , 120, 5040-5053	3.3	21
76	Emergence of short crestedness in originally unidirectional nonlinear waves. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 4110-4115	4.9	3

75	Development and Application of a Global Satellite Database of Wind and Wave Conditions <b>2015</b> ,		2
74	Longshore wind, waves and currents: climate and climate projections at Ninety Mile Beach, southeastern Australia. <i>International Journal of Climatology</i> , <b>2015</b> , 35, 4079-4093	3.5	10
73	An idealised experimental model of ocean surface wave transmission by an ice floe. <i>Ocean Modelling</i> , <b>2015</b> , 96, 85-92	3	39
72	Observation-based source terms in the third-generation wave model WAVEWATCH. <i>Ocean Modelling</i> , <b>2015</b> , 96, 2-25	3	109
71	Wave heights in the 21st century Arctic Ocean simulated with a regional climate model. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2956-2961	4.9	60
70	Interaction of surface waves at very close wavenumbers. <i>Ocean Dynamics</i> , <b>2014</b> , 64, 1019-1023	2.3	2
69	Sea Surface Gravity Wave-wind Interaction in the Marine Atmospheric Boundary Layer. <i>Energy Procedia</i> , <b>2014</b> , 53, 184-192	2.3	4
68	One-dimensional modelling of upper ocean mixing by turbulence due to wave orbital motion. <i>Nonlinear Processes in Geophysics</i> , <b>2014</b> , 21, 325-338	2.9	20
67	Wave reflection and vortex evolution in Bragg scattering in real fluids. <i>Ocean Engineering</i> , <b>2014</b> , 88, 508-519	3.9	7
66	Wave Instability in Finite Depths <b>2014</b> ,		1
65	Implementing New Nonlinear Term in Third Generation Wave Models <b>2014</b> ,		2
64	Simulation of one-dimensional evolution of wind waves in a deep water. <i>Physics of Fluids</i> , <b>2014</b> , 26, 096607	4.4	6
63	Numerical modeling of 3D fully nonlinear potential periodic waves. <i>Ocean Dynamics</i> , <b>2014</b> , 64, 1469-1486	2.3	20
62	Modeling of ocean-atmosphere interaction phenomena during the breaking of modulated wave trains. <i>Journal of Computational Physics</i> , <b>2014</b> , 271, 151-171	4.1	12
61	Changes in ocean surface wind with a focus on trends in regional and monthly mean values. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2014</b> , 86, 56-67	2.5	20
60	The Decay Rate of Ocean Swell Observed by Altimeter. <i>Journal of Physical Oceanography</i> , <b>2013</b> , 43, 2322-2333	2.3	57
59	Three-Dimensional Periodic Fully Nonlinear Potential Waves <b>2013</b> ,		4
58	Recurrent solutions of the Alber equation initialized by Joint North Sea Wave Project spectra. <i>Journal of Fluid Mechanics</i> , <b>2013</b> , 719, 314-344	3.7	23

57	Modulational instability, wave breaking, and formation of large-scale dipoles in the atmosphere. <i>Physical Review Letters</i> , <b>2013</b> , 110, 184504	7.4	42
56	Global Trends in Extreme Wind Speed and Wave Height <b>2013</b> ,		3
55	Physics-Based Approach to Wave Statistics and Probability <b>2013</b> ,		2
54	Simulation of Wave Breaking in One-Dimensional Spectral Environment. <i>Journal of Physical Oceanography</i> , <b>2012</b> , 42, 1745-1761	2.4	31
53	The effect of wave-induced turbulence on the ocean mixed layer during tropical cyclones: Field observations on the Australian North-West Shelf. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		30
52	On the variability of sea drag in finite water depth. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		12
51	Dependence of drag coefficient on the directional spreading of ocean waves. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		8
50	Numerical investigation of turbulence generation in non-breaking potential waves. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		22
49	Surface waves and wave-coupled effects in lower atmosphere and upper ocean. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		23
48	Investigation of trends in extreme value wave height and wind speed. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		83
47	Influence of Wind Forcing on Modulation and Breaking of One-Dimensional Deep-Water Wave Groups. <i>Journal of Physical Oceanography</i> , <b>2012</b> , 42, 928-939	2.4	13
46	Observation-Consistent Input and Whitecapping Dissipation in a Model for Wind-Generated Surface Waves: Description and Simple Calculations. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2012</b> , 29, 1329-1346	2	96
45	Swell Attenuation due to Wave-Induced Turbulence <b>2012</b> ,		3
44	Occurrence of extreme waves in three-dimensional mechanically generated wave fields propagating over an oblique current. <i>Natural Hazards and Earth System Sciences</i> , <b>2011</b> , 11, 895-903	3.9	28
43	Spectral wave modelling of Typhoon Krosa. <i>Natural Hazards and Earth System Sciences</i> , <b>2011</b> , 11, 501-511	3.9	25
42	Wave Breaking in Directional Fields. <i>Journal of Physical Oceanography</i> , <b>2011</b> , 41, 145-156	2.4	29
41	Global trends in wind speed and wave height. <i>Science</i> , <b>2011</b> , 332, 451-5	33.3	666
40	Response to Comment on "Global Trends in Wind Speed and Wave Height". <i>Science</i> , <b>2011</b> , 334, 905-905	33.3	9

39	Introduction of a new friction routine into the SWAN model that evaluates roughness due to bedform and sediment size changes. <i>Coastal Engineering</i> , <b>2011</b> , 58, 317-326	4.8	16
38	Turbulent Mixing due to Surface Waves Indicated by Remote Sensing of Suspended Particulate Matter and Its Implementation into Coupled Modeling of Waves, Turbulence, and Circulation. <i>Journal of Physical Oceanography</i> , <b>2011</b> , 41, 708-724	2.4	35
37	Estimating Sea Spray Volume with a Laser Altimeter. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2011</b> , 28, 1177-1183	2	14
36	Modulational Instability in Directional Wave Fields, and Extreme Wave Events <b>2011</b> ,		3
35	Breaking and Dissipation of Ocean Surface Waves <b>2011</b> ,		108
34	An Experiment on the Nonbreaking Surface-Wave-Induced Vertical Mixing. <i>Journal of Physical Oceanography</i> , <b>2010</b> , 40, 2180-2188	2.4	57
33	Semiempirical Dissipation Source Functions for Ocean Waves. Part I: Definition, Calibration, and Validation. <i>Journal of Physical Oceanography</i> , <b>2010</b> , 40, 1917-1941	2.4	525
32	Modulational Instabilities and Breaking Strength for Deep-Water Wave Groups. <i>Journal of Physical Oceanography</i> , <b>2010</b> , 40, 2313-2324	2.4	18
31	Numerical Investigation of Spectral Evolution of Wind Waves. Part II: Dissipation Term and Evolution Tests. <i>Journal of Physical Oceanography</i> , <b>2010</b> , 40, 667-683	2.4	52
30	A unified deep-to-shallow water wave-breaking probability parameterization. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		23
29	Numerical Investigation of Spectral Evolution of Wind Waves. Part I: Wind-Input Source Function. <i>Journal of Physical Oceanography</i> , <b>2010</b> , 40, 656-666	2.4	31
28	Numerical and laboratory investigation of breaking of steep two-dimensional waves in deep water. <i>Journal of Fluid Mechanics</i> , <b>2010</b> , 644, 433-463	3.7	64
27	On the Existence of Water Turbulence Induced by Nonbreaking Surface Waves. <i>Journal of Physical Oceanography</i> , <b>2009</b> , 39, 2675-2679	2.4	98
26	The form of the asymptotic depth-limited wind-wave spectrum. <i>Coastal Engineering</i> , <b>2009</b> , 56, 534-542	4.8	5
25	Wave-induced upper-ocean mixing in a climate model of intermediate complexity. <i>Ocean Modelling</i> , <b>2009</b> , 29, 189-197	3	59
24	Effects of wind trend and gustiness on the sea drag: Lake George study. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		40
23	Physics of Saturation-Based Dissipation Functions Proposed for Wave Forecast Models. <i>Journal of Physical Oceanography</i> , <b>2008</b> , 38, 1831-1841	2.4	19
22	Surface gravity waves from direct numerical simulations of the Euler equations: A comparison with second-order theory. <i>Ocean Engineering</i> , <b>2008</b> , 35, 367-379	3.9	45

21	Wave crest and trough distributions in a broad-banded directional wave field. <i>Ocean Engineering</i> , <b>2008</b> , 35, 1784-1792	3.9	57
20	ParamÉtude du dÉferlement des vagues dans les modÉles spectraux: approches semi-empirique et physique <b>2008</b> ,		4
19	Predicting the breaking onset of surface water waves. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	70
18	Weakly turbulent laws of wind-wave growth. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 591, 339-378	3.7	84
17	Wave modelling – The state of the art. <i>Progress in Oceanography</i> , <b>2007</b> , 75, 603-674	3.8	334
16	Wave-Follower Field Measurements of the Wind-Input Spectral Function. Part III: Parameterization of the Wind-Input Enhancement due to Wave Breaking. <i>Journal of Physical Oceanography</i> , <b>2007</b> , 37, 2764-2775	2.4	42
15	Second-Order Theory and Setup in Surface Gravity Waves: A Comparison with Experimental Data. <i>Journal of Physical Oceanography</i> , <b>2007</b> , 37, 2726-2739	2.4	36
14	Spectral Distribution of Energy Dissipation of Wind-Generated Waves due to Dominant Wave Breaking. <i>Journal of Physical Oceanography</i> , <b>2006</b> , 36, 376-394	2.4	93
13	On a wave-induced turbulence and a wave-mixed upper ocean layer. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	114
12	The form of the asymptotic depth-limited wind wave frequency spectrum. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		30
11	Wave-Follower Field Measurements of the Wind-Input Spectral Function. Part II: Parameterization of the Wind Input. <i>Journal of Physical Oceanography</i> , <b>2006</b> , 36, 1672-1689	2.4	142
10	Passive Acoustic Determination of Wave-Breaking Events and Their Severity across the Spectrum. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2006</b> , 23, 599-618	2	45
9	Wave-Follower Field Measurements of the Wind-Input Spectral Function. Part I: Measurements and Calibrations. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2005</b> , 22, 799-813	2	55
8	An Integrated System for the Study of Wind-Wave Source Terms in Finite-Depth Water. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2005</b> , 22, 814-831	2	38
7	Using wavelet spectrum analysis to resolve breaking events in the wind wave time series. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 3335-3345	2	27
6	Breaking probabilities for dominant surface waves on water of finite constant depth. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 11659-11676		82
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