Alex Babanin

List of Publications by Citations

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	Global trends in wind speed and wave height. *Science*, **2011**, 332, 451-5	33.3	666
163	Semiempirical Dissipation Source Functions for Ocean Waves. Part I: Definition, Calibration, and Validation. *Journal of Physical Oceanography*, **2010**, 40, 1917-1941	2.4	525
162	Wave modelling The state of the art. *Progress in Oceanography*, **2007**, 75, 603-674	3.8	334
161	Wave-Follower Field Measurements of the Wind-Input Spectral Function. Part II: Parameterization of the Wind Input. *Journal of Physical Oceanography*, **2006**, 36, 1672-1689	2.4	142
160	Breaking Probability for Dominant Waves on the Sea Surface. *Journal of Physical Oceanography*, **2000**, 30, 3145-3160	2.4	140
159	On a wave-induced turbulence and a wave-mixed upper ocean layer. *Geophysical Research Letters*, **2006**, 33,	4.9	114
158	Observation-based source terms in the third-generation wave model WAVEWATCH. *Ocean Modelling*, **2015**, 96, 2-25	3	109
157	Breaking and Dissipation of Ocean Surface Waves **2011**,		108
156	On the Existence of Water Turbulence Induced by Nonbreaking Surface Waves. *Journal of Physical Oceanography*, **2009**, 39, 2675-2679	2.4	98
155	Observation-Consistent Input and Whitecapping Dissipation in a Model for Wind-Generated Surface Waves: Description and Simple Calculations. *Journal of Atmospheric and Oceanic Technology*, **2012**, 29, 1329-1346	2	96
154	Comparison and validation of physical wave parameterizations in spectral wave models. *Ocean Modelling*, **2016**, 103, 2-17	3	95
153	Spectral Distribution of Energy Dissipation of Wind-Generated Waves due to Dominant Wave Breaking. *Journal of Physical Oceanography*, **2006**, 36, 376-394	2.4	93
152	Weakly turbulent laws of wind-wave growth. *Journal of Fluid Mechanics*, **2007**, 591, 339-378	3.7	84
151	Investigation of trends in extreme value wave height and wind speed. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		83
150	Breaking probabilities for dominant surface waves on water of finite constant depth. *Journal of Geophysical Research*, **2001**, 106, 11659-11676		82
149	In situ measurements of an energetic wave event in the Arctic marginal ice zone. *Geophysical Research Letters*, **2015**, 42, 1863-1870	4.9	80
148	Field Investigation of Transformation of the Wind Wave Frequency Spectrum with Fetch and the Stage of Development. *Journal of Physical Oceanography*, **1998**, 28, 563-576	2.4	79

147	Overview of the Arctic Sea State and Boundary Layer Physics Program. *Journal of Geophysical Research: Oceans*, **2018**, 123, 8674-8687	3.3	71
146	Predicting the breaking onset of surface water waves. *Geophysical Research Letters*, **2007**, 34,	4.9	70
145	Numerical simulations of ocean surface waves under hurricane conditions: Assessment of existing model performance. *Ocean Modelling*, **2017**, 118, 73-93	3	65
144	Numerical and laboratory investigation of breaking of steep two-dimensional waves in deep water. *Journal of Fluid Mechanics*, **2010**, 644, 433-463	3.7	64
143	Emerging trends in the sea state of the Beaufort and Chukchi seas. *Ocean Modelling*, **2016**, 105, 1-12	3	63
142	Wave heights in the 21st century Arctic Ocean simulated with a regional climate model. *Geophysical Research Letters*, **2014**, 41, 2956-2961	4.9	60
141	Wave-induced upper-ocean mixing in a climate model of intermediate complexity. *Ocean Modelling*, **2009**, 29, 189-197	3	59
140	Wind and Wave Climate in the Arctic Ocean as Observed by Altimeters. *Journal of Climate*, **2016**, 29, 7957-7975	4.4	58
139	The Decay Rate of Ocean Swell Observed by Altimeter. *Journal of Physical Oceanography*, **2013**, 43, 2322-2333	2.4	57
138	An Experiment on the Nonbreaking Surface-Wave-Induced Vertical Mixing. *Journal of Physical Oceanography*, **2010**, 40, 2180-2188	2.4	57
137	Wave crest and trough distributions in a broad-banded directional wave field. *Ocean Engineering*, **2008**, 35, 1784-1792	3.9	57
136	Wave-Follower Field Measurements of the Wind-Input Spectral Function. Part I: Measurements and Calibrations. *Journal of Atmospheric and Oceanic Technology*, **2005**, 22, 799-813	2	55
135	Observation-Based Source Terms in the Third-Generation Wave Model WAVEWATCH III: Updates and Verification. *Journal of Physical Oceanography*, **2019**, 49, 489-517	2.4	55
134	Variability of directional spectra of wind-generated waves, studied by means of wave staff arrays. *Marine and Freshwater Research*, **1998**, 49, 89	2.2	54
133	Numerical Investigation of Spectral Evolution of Wind Waves. Part II: Dissipation Term and Evolution Tests. *Journal of Physical Oceanography*, **2010**, 40, 667-683	2.4	52
132	Calibration and Cross Validation of a Global Wind and Wave Database of Altimeter, Radiometer, and Scatterometer Measurements. *Journal of Atmospheric and Oceanic Technology*, **2017**, 34, 1285-1306	2	50
131	The nonlinear Schrödinger equation and the propagation of weakly nonlinear waves in optical fibers and on the water surface. *Annals of Physics*, **2015**, 361, 490-500	2.5	49
130	Surface gravity waves from direct numerical simulations of the Euler equations: A comparison with second-order theory. *Ocean Engineering*, **2008**, 35, 367-379	3.9	45

129	Passive Acoustic Determination of Wave-Breaking Events and Their Severity across the Spectrum. *Journal of Atmospheric and Oceanic Technology*, **2006**, 23, 599-618	2	45
128	Modulational instability, wave breaking, and formation of large-scale dipoles in the atmosphere. *Physical Review Letters*, **2013**, 110, 184504	7.4	42
127	Wave-Follower Field Measurements of the Wind-Input Spectral Function. Part III: Parameterization of the Wind-Input Enhancement due to Wave Breaking. *Journal of Physical Oceanography*, **2007**, 37, 2764-2775	2.4	42
126	Effects of wind trend and gustiness on the sea drag: Lake George study. *Journal of Geophysical Research*, **2008**, 113,		40
125	An idealised experimental model of ocean surface wave transmission by an ice floe. *Ocean Modelling*, **2015**, 96, 85-92	3	39
124	An Integrated System for the Study of Wind-Wave Source Terms in Finite-Depth Water. *Journal of Atmospheric and Oceanic Technology*, **2005**, 22, 814-831	2	38
123	Second-Order Theory and Setup in Surface Gravity Waves: A Comparison with Experimental Data. *Journal of Physical Oceanography*, **2007**, 37, 2726-2739	2.4	36
122	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. *Journal of Physical Oceanography*, **2011**, 41, 708-724	2.4	35
121	Nonbreaking wave-induced mixing in upper ocean during tropical cyclones using coupled hurricane-ocean-wave modeling. *Journal of Geophysical Research: Oceans*, **2017**, 122, 3939-3963	3.3	31
120	Simulation of Wave Breaking in One-Dimensional Spectral Environment. *Journal of Physical Oceanography*, **2012**, 42, 1745-1761	2.4	31
119	Numerical Investigation of Spectral Evolution of Wind Waves. Part I: Wind-Input Source Function. *Journal of Physical Oceanography*, **2010**, 40, 656-666	2.4	31
118	The effect of wave-induced turbulence on the ocean mixed layer during tropical cyclones: Field observations on the Australian North-West Shelf. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		30
117	The form of the asymptotic depth-limited wind wave frequency spectrum. *Journal of Geophysical Research*, **2006**, 111,		30
116	Calibration and Validation of HY-2 Altimeter Wave Height. *Journal of Atmospheric and Oceanic Technology*, **2016**, 33, 919-936	2	30
115	Wave Breaking in Directional Fields. *Journal of Physical Oceanography*, **2011**, 41, 145-156	2.4	29
114	Occurrence of extreme waves in three-dimensional mechanically generated wave fields propagating over an oblique current. *Natural Hazards and Earth System Sciences*, **2011**, 11, 895-903	3.9	28
113	Using wavelet spectrum analysis to resolve breaking events in the wind wave time series. *Annales Geophysicae*, **2004**, 22, 3335-3345	2	27
112	Wave Attenuation by Sea Ice Turbulence. *Geophysical Research Letters*, **2019**, 46, 6796-6803	4.9	26

111	Spectral wave modelling of Typhoon Krosa. *Natural Hazards and Earth System Sciences*, **2011**, 11, 501-511	3.9	25
110	Observation of wind-waves from a moored buoy in the Southern Ocean. *Ocean Dynamics*, **2015**, 65, 1275-1288	2.3	24
109	Waves and Swells in High Wind and Extreme Fetches, Measurements in the Southern Ocean. *Frontiers in Marine Science*, **2019**, 6,	4.5	24
108	Recurrent solutions of the Alber equation initialized by Joint North Sea Wave Project spectra. *Journal of Fluid Mechanics*, **2013**, 719, 314-344	3.7	23
107	Surface waves and wave-coupled effects in lower atmosphere and upper ocean. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		23
106	A unified deep-to-shallow water wave-breaking probability parameterization. *Journal of Geophysical Research*, **2010**, 115,		23
105	Numerical investigation of turbulence generation in non-breaking potential waves. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		22
104	A comparison of methods for estimating directional spectra of surface waves. *Journal of Geophysical Research: Oceans*, **2015**, 120, 5040-5053	3.3	21
103	One-dimensional modelling of upper ocean mixing by turbulence due to wave orbital motion. *Nonlinear Processes in Geophysics*, **2014**, 21, 325-338	2.9	20
102	Numerical modeling of 3D fully nonlinear potential periodic waves. *Ocean Dynamics*, **2014**, 64, 1469-1486	2.3	20
101	Changes in ocean surface wind with a focus on trends in regional and monthly mean values. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2014**, 86, 56-67	2.5	20
100	SEASTAR: A Mission to Study Ocean Submesoscale Dynamics and Small-Scale Atmosphere-Ocean Processes in Coastal, Shelf and Polar Seas. *Frontiers in Marine Science*, **2019**, 6,	4.5	19
99	Physics of Saturation-Based Dissipation Functions Proposed for Wave Forecast Models. *Journal of Physical Oceanography*, **2008**, 38, 1831-1841	2.4	19
98	An assessment of the impact of surface currents on wave modeling in the Southern Ocean. *Ocean Dynamics*, **2018**, 68, 939-955	2.3	19
97	Wave spectral response to sudden changes in wind direction in finite-depth waters. *Ocean Modelling*, **2016**, 103, 98-117	3	18
96	Modulational Instabilities and Breaking Strength for Deep-Water Wave Groups. *Journal of Physical Oceanography*, **2010**, 40, 2313-2324	2.4	18
95	The Wave Climate of the Southern Ocean. *Journal of Physical Oceanography*, **2020**, 50, 1417-1433	2.4	17
94	Event-Based Validation of Swell Arrival Time. *Journal of Physical Oceanography*, **2016**, 46, 3563-3569	2.4	17

93	Spectral Modeling of Ice-Induced Wave Decay. *Journal of Physical Oceanography*, **2020**, 50, 1583-1604	2.4	17
92	Winds near the Surface of Waves: Observations and Modeling. *Journal of Physical Oceanography*, **2018**, 48, 1079-1088	2.4	16
91	Introduction of a new friction routine into the SWAN model that evaluates roughness due to bedform and sediment size changes. *Coastal Engineering*, **2011**, 58, 317-326	4.8	16
90	Simulated ocean response to tropical cyclones: The effect of a novel parameterization of mixing from unbroken surface waves. *Journal of Advances in Modeling Earth Systems*, **2017**, 9, 759-780	7.1	15
89	Limitation of SAR Quasi-Linear Inversion Data on Swell Climate: An Example of Global Crossing Swells. *Remote Sensing*, **2017**, 9, 107	5	14
88	Estimating Sea Spray Volume with a Laser Altimeter. *Journal of Atmospheric and Oceanic Technology*, **2011**, 28, 1177-1183	2	14
87	Current-induced dissipation in spectral wave models. *Journal of Geophysical Research: Oceans*, **2017**, 122, 2205-2225	3.3	13
86	Influence of Wind Forcing on Modulation and Breaking of One-Dimensional Deep-Water Wave Groups. *Journal of Physical Oceanography*, **2012**, 42, 928-939	2.4	13
85	Experimental evidence for a universal threshold characterizing wave-induced sea ice break-up. *Cryosphere*, **2020**, 14, 4265-4278	5.5	13
84	Wave observations from an array of directional buoys over the southern Brazilian coast. *Ocean Dynamics*, **2017**, 67, 1577-1591	2.3	12
83	Modeling of ocean□tmosphere interaction phenomena during the breaking of modulated wave trains. *Journal of Computational Physics*, **2014**, 271, 151-171	4.1	12
82	On the variability of sea drag in finite water depth. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		12
81	Estimation of Kinetic Energy Dissipation from Breaking Waves in the Wave Crest Region. *Journal of Physical Oceanography*, **2017**, 47, 1145-1150	2.4	11
80	Directional soliton and breather beams. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 9759-9763	11.5	11
79	A high-resolution wave energy resource assessment of Indonesia. *Renewable Energy*, **2020**, 160, 1349-1363	8.1	10
78	The effect on simulated ocean climate of a parameterization of unbroken wave-induced mixing incorporated into the k-epsilon mixing scheme. *Journal of Advances in Modeling Earth Systems*, **2017**, 9, 735-758	7.1	10
77	Longshore wind, waves and currents: climate and climate projections at Ninety Mile Beach, southeastern Australia. *International Journal of Climatology*, **2015**, 35, 4079-4093	3.5	10
76	Changes in Ocean Heat Content Caused by Wave-Induced Mixing in a High-Resolution Ocean Model. *Journal of Physical Oceanography*, **2018**, 48, 1139-1150	2.4	9

75	Response to Comment on "Global Trends in Wind Speed and Wave Height". *Science*, **2011**, 334, 905-905	33.3	9
74	On the non-Gaussian nature of wind waves. *Physical Oceanography*, **1995**, 6, 241-245	1.6	9
73	Observation of on-ice wind waves under grease ice in the western Arctic Ocean. *Polar Science*, **2021**, 27, 100567	2.3	9
72	Laboratory Experiments on the Effects of a Variable Current Field on the Spectral Geometry of Water Waves. *Journal of Physical Oceanography*, **2016**, 46, 2695-2717	2.4	8
71	Can contemporary satellites estimate swell dissipation rate?. *Remote Sensing of Environment*, **2017**, 201, 24-33	13.2	8
70	Dependence of drag coefficient on the directional spreading of ocean waves. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		8
69	Non-Gaussian properties of second-order wave orbital velocity. *Coastal Engineering*, **2016**, 110, 42-49	4.8	8
68	Air–Sea Momentum Fluxes during Tropical Cyclone Olwyn. *Journal of Physical Oceanography*, **2019**, 49, 1369-1379	2.4	7
67	Nighttime Cool Skin Effect Observed from Infrared SST Autonomous Radiometer (ISAR) and Depth Temperatures. *Journal of Atmospheric and Oceanic Technology*, **2020**, 37, 33-46	2	7
66	Experimental study on surface wave modifications by different ice covers. *Cold Regions Science and Technology*, **2020**, 174, 103042	3.8	7
65	Advanced wave modeling, including wave-current interaction. *Journal of Marine Research*, **2017**, 75, 239-262	1.5	7
64	Wave reflection and vortex evolution in Bragg scattering in real fluids. *Ocean Engineering*, **2014**, 88, 508-519	3.9	7
63	The generalized kinetic equation as a model for the nonlinear transfer in third-generation wave models. *Ocean Dynamics*, **2016**, 66, 509-526	2.3	7
62	Detection and analysis of coherent groups in three-dimensional fully-nonlinear potential wave fields. *Ocean Modelling*, **2016**, 103, 73-86	3	6
61	Cool skin signals observed from Advanced Along-Track Scanning Radiometer (AATSR) and in situ SST measurements. *Remote Sensing of Environment*, **2019**, 226, 38-50	13.2	6
60	Simulation of one-dimensional evolution of wind waves in a deep water. *Physics of Fluids*, **2014**, 26, 096607	4.4	6
59	Effects of Wave-Induced Sea Ice Break-Up and Mixing in a High-Resolution Coupled Ice-Ocean Model. *Journal of Marine Science and Engineering*, **2021**, 9, 365	2.4	6
58	Comparison of linear and nonlinear extreme wave statistics. *Acta Oceanologica Sinica*, **2016**, 35, 99-105	1	6

57	15 Priorities for Wind-Waves Research: An Australian Perspective. *Bulletin of the American Meteorological Society*, **2020**, 101, E446-E461	6.1	6
56	Validation of Wave Spectral Partitions From SWIM Instrument On-Board CFOSAT Against In Situ Data. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-13	8.1	6
55	Similarity Theory for Turbulence, Induced by Orbital Motion of Surface Water Waves. *Procedia IUTAM*, **2017**, 20, 99-102		5
54	Effect of wave-induced mixing on Antarctic sea ice in a high-resolution ocean model. *Ocean Dynamics*, **2019**, 69, 737-746	2.3	5
53	Standing wave field observations at a vertical wall. *Coastal Engineering*, **2020**, 160, 103749	4.8	5
52	Estimating Wind Speed and Direction Using Wave Spectra. *Journal of Geophysical Research: Oceans*, **2020**, 125, e2019JC015717	3.3	5
51	Observations of the directional distribution of the wind energy input function over swell waves. *Journal of Geophysical Research: Oceans*, **2016**, 121, 1174-1193	3.3	5
50	Nonlinear sharpening during superposition of surface waves. *Ocean Dynamics*, **2016**, 66, 931-937	2.3	5
49	The form of the asymptotic depth-limited wind-wave spectrum. *Coastal Engineering*, **2009**, 56, 534-542	4.8	5
48	The Dependence of Sea SAR Image Distribution Parameters on Surface Wave Characteristics. *Remote Sensing*, **2018**, 10, 1843	5	5
47	Global Wave Hindcasts Using the Observation-Based Source Terms: Description and Validation. *Journal of Advances in Modeling Earth Systems*, **2021**, 13, e2021MS002493	7.1	5
46	Wave dispersion and dissipation in landfast ice: comparison of observations against models. *Cryosphere*, **2021**, 15, 5557-5575	5.5	5
45	Modeling of suspended sediment concentrations under combined wave-current flow over rippled bed. *Estuarine, Coastal and Shelf Science*, **2017**, 199, 59-73	2.9	4
44	Ocean Swell: How Much Do We Know **2017**,		4
43	On Natural Modulational Bandwidth of Deep-Water Surface Waves. *Fluids*, **2019**, 4, 67	1.6	4
42	Sea Surface Gravity Wave-wind Interaction in the Marine Atmospheric Boundary Layer. *Energy Procedia*, **2014**, 53, 184-192	2.3	4
41	Three-Dimensional Periodic Fully Nonlinear Potential Waves **2013**,		4
40	Measurement of wind waves by means of a buoy accelerometer wave gauge. *Physical Oceanography*, **1993**, 4, 399-407	1.6	4

39	Paramtrage du dferlement des vagues dans les modles spectraux´: approches semi-empirique et physique **2008**,		4
38	Emergence of short crestedness in originally unidirectional nonlinear waves. *Geophysical Research Letters*, **2015**, 42, 4110-4115	4.9	3
37	Global Trends in Extreme Wind Speed and Wave Height **2013**,		3
36	Swell Attenuation due to Wave-Induced Turbulence **2012**,		3
35	Modulational Instability in Directional Wave Fields, and Extreme Wave Events **2011**,		3
34	Field investigations of coastal sea surface temperature drop after typhoon passages. *Earth System Science Data*, **2019**, 11, 323-340	10.5	3
33	Field observations of sea spray under Tropical Cyclone Olwyn. *Ocean Dynamics*, **2020**, 70, 1439-1448	2.3	3
32	Wave energy attenuation by drifting and non-drifting floating rigid plates. *Ocean Engineering*, **2021**, 226, 108717	3.9	3
31	Oceanic eddy-induced modifications to air-sea heat and CO fluxes in the Brazil-Malvinas Confluence. *Scientific Reports*, **2021**, 11, 10648	4.9	3
30	Downscaling Future Longshore Sediment Transport in South Eastern Australia. *Journal of Marine Science and Engineering*, **2019**, 7, 289	2.4	2
29	Interaction of surface waves at very close wavenumbers. *Ocean Dynamics*, **2014**, 64, 1019-1023	2.3	2
28	On the analysis of 2D nonlinear gravity waves with a fully nonlinear numerical model. *Wave Motion*, **2017**, 70, 152-165	1.8	2
27	Development and Application of a Global Satellite Database of Wind and Wave Conditions **2015**,		2
26	Implementing New Nonlinear Term in Third Generation Wave Models **2014**,		2
25	A Wind Wave-Dependent Sea Spray Volume Flux Model Based on Field Experiments. *Journal of Marine Science and Engineering*, **2021**, 9, 1168	2.4	2
24	Physics-Based Approach to Wave Statistics and Probability **2013**,		2
23	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. *Ocean Engineering*, **2021**, 231, 108715	3.9	2
22	Parameterization of Wave Boundary Layer.. *Atmosphere*, **2019**, 10, 686	2.7	2

21	Kinetic equations in a third-generation spectral wave model. *Journal of Fluid Mechanics*, **2021**, 910,	3.7	2
20	In situ observations of infragravity wave directionality at nearshore coastal sites **2017**,		1
19	Field Observation Site for Air-Sea Interactions in Tropical Cyclones **2016**,		1
18	Wave Instability in Finite Depths **2014**,		1
17	Probabilistic assessment of rogue wave occurrence in directional wave fields. *Ocean Dynamics*, **2021**, 71, 1141	2.3	1
16	Effect of initial condition uncertainty on the profile of maximum wave. *Marine Structures*, **2022**, 82, 103127	3.8	1
15	Prototype of web-based daily work report management system using smart pens. *Journal of Applied Engineering Science*, **2019**, 17, 280-283	1.2	1
14	Wave Anomaly Detection in Wave Measurements. *Journal of Atmospheric and Oceanic Technology*, **2021**, 38, 525-536	2	1
13	Change of Regime of Air-Sea Dynamics in Extreme Metocean Conditions **2018**,		1
12	Hydrodynamic Climate of Port Phillip Bay. *Journal of Marine Science and Engineering*, **2021**, 9, 898	2.4	1
11	Impacts of the Wave-Dependent Sea Spray Parameterizations on Air-Sea-Wave Coupled Modeling under an Idealized Tropical Cyclone. *Journal of Marine Science and Engineering*, **2021**, 9, 1390	2.4	1
10	Intercomparison of Arctic sea ice simulation in ROMS-CICE and ROMS-Budgell. *Polar Science*, **2021**, 29, 100716	2.3	0
9	The turbulent dispersion of surface drifters by water waves: experimental study. *Ocean Dynamics*, **2021**, 71, 379-389	2.3	0
8	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. *Geosciences (Switzerland)*, **2022**, 12, 110	2.7	0
7	Wave breaking probabilities under wind forcing in open sea and laboratory. *Physics of Fluids*, **2022**, 34, 032122	4.4	0
6	The wave climate of Bass Strait and South-East Australia. *Ocean Modelling*, **2022**, 172, 101980	3	0
5	Initial Evaluation of the Sensor-Specific Error Statistics in the NOAA Advanced Clear-Sky Processor for Oceans SST System: Diurnal Variation Signals Captured. *IEEE Geoscience and Remote Sensing Letters*, **2018**, 15, 1642-1646	4.1	
4	Wave Generation by Wind **2019**, 707-712		

List of Publications

3	Wave Breaking and Dissipation **2017**, 1-9	
2	An algorithm for tracking drifters dispersion induced by wave turbulence using optical cameras. *Computers and Geosciences*, **2021**, 148, 104654	4.5
1	COUPLING SPECTRAL AND PHASE-RESOLVING WAVE MODEL FOR FORECASTING OF EXTREME WAVES IN WIND SEAS. *Coastal Engineering Proceedings*, **2018**, 20	1.4