

# Fabrice Ardhuin

## List of Publications by Year in descending order

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167  
papers

9,518  
citations

31902

53  
h-index

46693

89  
g-index

205  
all docs

205  
docs citations

205  
times ranked

5539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wind-Wave Attenuation in Arctic Sea Ice: A Discussion of Remote Sensing Capabilities. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	13
2	On the Unsteady Steepening of Short Gravity Waves Near the Crests of Longer Waves in the Absence of Generation or Dissipation. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	1.0	3
3	Surface Currents and Significant Wave Height Gradients: Matching Numerical Models and High-Resolution Altimeter Wave Heights in the Agulhas Current Region. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016564.	1.0	15
4	Reconstructing Ocean Surface Current Combining Altimetry and Future Spaceborne Doppler Data. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016560.	1.0	14
5	Total Surface Current Vector and Shear From a Sequence of Satellite Images: Effect of Waves in Opposite Directions. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017342.	1.0	5
6	A global wave parameter database for geophysical applications. Part 3: Improved forcing and spectral resolution. <i>Ocean Modelling</i> , 2021, 166, 101848.	1.0	25
7	Global Microbarom Patterns: A First Confirmation of the Theory for Source and Propagation. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090163.	1.5	9
8	Sea State Decadal Variability in the North Atlantic: A Review. <i>Climate</i> , 2021, 9, 173.	1.2	14
9	Impact of wave-dependent stress on storm surge simulations in the North Sea: Ocean model evaluation against in situ and satellite observations. <i>Ocean Modelling</i> , 2020, 154, 101694.	1.0	9
10	Impacts of surface gravity waves on a tidal front: A coupled model perspective. <i>Ocean Modelling</i> , 2020, 154, 101677.	1.0	3
11	A data set of sea surface stereo images to resolve space-time wave fields. <i>Scientific Data</i> , 2020, 7, 145.	2.4	22
12	On the Extraction of Microseismic Ground Motion from Analog Seismograms for the Validation of Ocean-Climate Models. <i>Seismological Research Letters</i> , 2020, 91, 1518-1530.	0.8	11
13	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> , 2020, 7, .	1.2	32
14	Round Robin Assessment of Radar Altimeter Low Resolution Mode and Delay-Doppler Retracking Algorithms for Significant Wave Height. <i>Remote Sensing</i> , 2020, 12, 1254.	1.8	28
15	Ice Breakup Controls Dissipation of Wind Waves Across Southern Ocean Sea Ice. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087699.	1.5	30
16	Towards a coupled model to investigate wave-sea ice interactions in the Arctic marginal ice zone. <i>Cryosphere</i> , 2020, 14, 709-735.	1.5	38
17	GPM-Derived Climatology of Attenuation Due to Clouds and Precipitation at Ka-Band. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 1812-1820.	2.7	8
18	Atmospheric infrasound generation by ocean waves in finite depth: unified theory and application to radiation patterns. <i>Geophysical Journal International</i> , 2020, 221, 569-585.	1.0	20

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19	Consistency of Satellite Climate Data Records for Earth System Monitoring. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1948-E1971.	1.7	21
20	Wave–Current Interactions at Meso- and Submesoscales: Insights from Idealized Numerical Simulations. <i>Journal of Physical Oceanography</i> , 2020, 50, 3483-3500.	0.7	18
21	The Sea State CCI dataset v1: towards a sea state climate data record based on satellite observations. <i>Earth System Science Data</i> , 2020, 12, 1929-1951.	3.7	60
22	Development of a two-way-coupled ocean–wave model: assessment on a global NEMO(v3.6)–WW3(v6.02) coupled configuration. <i>Geoscientific Model Development</i> , 2020, 13, 3067-3090.	1.3	13
23	Measuring ocean total surface current velocity with the KuROS and KaRADOC airborne near-nadir Doppler radars: a multi-scale analysis in preparation for the SKIM mission. <i>Ocean Science</i> , 2020, 16, 1399-1429.	1.3	11
24	Spectral attenuation of ocean waves in pack ice and its application in calibrating viscoelastic wave-in-ice models. <i>Cryosphere</i> , 2020, 14, 2053-2069.	1.5	8
25	Large impact of Stokes drift on the fate of surface floating debris in the South Indian Basin. <i>Marine Pollution Bulletin</i> , 2019, 148, 202-209.	2.3	44
26	Towards Comprehensive Observing and Modeling Systems for Monitoring and Predicting Regional to Coastal Sea Level. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	51
27	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> , 2019, 6, .	1.2	37
28	The Contribution of Wind-Generated Waves to Coastal Sea-Level Changes. <i>Surveys in Geophysics</i> , 2019, 40, 1563-1601.	2.1	69
29	Key Uncertainties in the Recent Air–Sea Flux of CO <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , 2019, 33, 1548-1563.	1.9	54
30	Wave Groups Observed in Pancake Sea Ice. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7400-7411.	1.0	13
31	Integrated Observations of Global Surface Winds, Currents, and Waves: Requirements and Challenges for the Next Decade. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	60
32	Air–Sea Turbulent Fluxes From a Wave-Following Platform During Six Experiments at Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4290-4321.	1.0	5
33	Global Observations of Fine-Scale Ocean Surface Topography With the Surface Water and Ocean Topography (SWOT) Mission. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	204
34	Satellite Doppler Observations for the Motions of the Oceans. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, ES215-ES219.	1.7	18
35	SKIM, a Candidate Satellite Mission Exploring Global Ocean Currents and Waves. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	52
36	Sea State Trends and Variability: Consistency Between Models, Altimeters, Buoys, and Seismic Data (1979–2016). <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3923-3940.	1.0	29

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37	Global scale analysis and modelling of primary microseisms. <i>Geophysical Journal International</i> , 2019, 218, 560-572.	1.0	16
38	Observing Sea States. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	105
39	Coastal Sea Level and Related Fields from Existing Observing Systems. <i>Surveys in Geophysics</i> , 2019, 40, 1293-1317.	2.1	31
40	Synergy of Experimental, Theoretical and Numerical Approaches for a Better Understanding of Skim Near Nadir Ka-Band Doppler Measurements. , 2019, , .		0
41	The FluxEngine airâ€“sea gas flux toolbox: simplified interface and extensions for in situ analyses and multiple sparingly soluble gases. <i>Ocean Science</i> , 2019, 15, 1707-1728.	1.3	10
42	Stereo imaging and X-band radar wave data fusion: An assessment. <i>Ocean Engineering</i> , 2018, 152, 346-352.	1.9	14
43	Infragravity waves: From driving mechanisms to impacts. <i>Earth-Science Reviews</i> , 2018, 177, 774-799.	4.0	165
44	Overview of the Arctic Sea State and Boundary Layer Physics Program. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8674-8687.	1.0	96
45	Strong winds in a coupled waveâ€“atmosphere model during a North Atlantic storm event: evaluation against observations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 317-332.	1.0	26
46	A surface kinematics buoy (SKIB) for waveâ€“current interaction studies. <i>Ocean Science</i> , 2018, 14, 1449-1460.	1.3	19
47	Floe Size Effect on Waveâ€“Ice Interactions: Possible Effects, Implementation in Wave Model, and Evaluation. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4779-4805.	1.0	47
48	Wave Runup Over Steep Rocky Cliffs. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7185-7205.	1.0	24
49	The Earth's Hum Variations From a Global Model and Seismic Recordings Around the Indian Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4006-4020.	1.0	12
50	Wave Attenuation Through an Arctic Marginal Ice Zone on 12 October 2015: 1. Measurement of Wave Spectra and Ice Features From Sentinel 1A. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3619-3634.	1.0	32
51	Strong and highly variable push of ocean waves on Southern Ocean sea ice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5861-5865.	3.3	58
52	Note on the directional properties of meter-scale gravity waves. <i>Ocean Science</i> , 2018, 14, 41-52.	1.3	31
53	Storm waves focusing and steepening in the Agulhas current: Satellite observations and modeling. <i>Remote Sensing of Environment</i> , 2018, 216, 561-571.	4.6	48
54	Wave Attenuation Through an Arctic Marginal Ice Zone on 12 October 2015: 2. Numerical Modeling of Waves and Associated Ice Breakup. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5652-5668.	1.0	29

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55	Measuring currents, ice drift, and waves from space: the Sea surface Kinematics Multiscale monitoring (SKIM) concept. <i>Ocean Science</i> , 2018, 14, 337-354.	1.3	87
56	Large-scale Forces Under Surface Gravity Waves at a Wavy Bottom: A Mechanism for the Generation of Primary Microseisms. <i>Geophysical Research Letters</i> , 2018, 45, 8173-8181.	1.5	28
57	Sea Surface Kinematics From Near-Nadir Radar Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 6169-6179.	2.7	32
58	Fifteen years of hydrodynamic forcing and morphological changes leading to breaching of a gravel spit, Sillon de Talbert (Brittany). <i>Geomorphologie Relief, Processus, Environnement</i> , 2018, 24, 403-428.	0.7	8
59	Small-scale open ocean currents have large effects on wind wave heights. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4500-4517.	1.0	128
60	Measuring ocean waves in sea ice using SAR imagery: A quasi-deterministic approach evaluated with Sentinel-1 and in situ data. <i>Remote Sensing of Environment</i> , 2017, 189, 211-222.	4.6	50
61	Comments on "A Combined Derivation of the Integrated and Vertically Resolved, Coupled Wave-Current Equations". <i>Journal of Physical Oceanography</i> , 2017, 47, 2377-2385.	0.7	26
62	On the shape and likelihood of oceanic rogue waves. <i>Scientific Reports</i> , 2017, 7, 8276.	1.6	39
63	The Effect of Water Column Resonance on the Spectra of Secondary Microseism Waves. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8121-8142.	1.4	13
64	SURFEX v8.0 interface with OASIS3-MCT to couple atmosphere with hydrology, ocean, waves and sea-ice models, from coastal to global scales. <i>Geoscientific Model Development</i> , 2017, 10, 4207-4227.	1.3	50
65	Three-wave and four-wave interactions in gravity wave turbulence. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	26
66	Wave climate in the Arctic 1992-2014: seasonality and trends. <i>Cryosphere</i> , 2016, 10, 1605-1629.	1.5	114
67	GNSS nonlocal sea state dependencies: Model and empirical verification. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8379-8394.	1.0	13
68	A comprehensive hydro-geomorphic study of cliff-top storm deposits on Banneg Island during winter 2013-2014. <i>Marine Geology</i> , 2016, 382, 37-55.	0.9	41
69	Emerging trends in the sea state of the Beaufort and Chukchi seas. <i>Ocean Modelling</i> , 2016, 105, 1-12.	1.0	78
70	Ocean bottom pressure records from the Cascadia array and short surface gravity waves. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 2862-2873.	1.0	10
71	Ray-theoretical modeling of secondary microseism waves. <i>Geophysical Journal International</i> , 2016, 206, 1730-1739.	1.0	44
72	Morphological Response of a Macrotidal Embayed Beach, Porsmilin, France. <i>Journal of Coastal Research</i> , 2016, 75, 373-377.	0.1	7

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73	Swell dissipation from 10 years of Envisat advanced synthetic aperture radar in wave mode. <i>Geophysical Research Letters</i> , 2016, 43, 3423-3430.	1.5	34
74	Ocean waves across the Arctic: Attenuation due to dissipation dominates over scattering for periods longer than 19 s. <i>Geophysical Research Letters</i> , 2016, 43, 5775-5783.	1.5	57
75	Comparison and validation of physical wave parameterizations in spectral wave models. <i>Ocean Modelling</i> , 2016, 103, 2-17.	1.0	119
76	Estimating wave orbital velocity through the azimuth cutoff from spaceborne satellites. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7616-7634.	1.0	59
77	Analysis and Interpretation of Frequency-Wavenumber Spectra of Young Wind Waves. <i>Journal of Physical Oceanography</i> , 2015, 45, 2484-2496.	0.7	64
78	Observations and Predictions of Wave Runup, Extreme Water Levels, and Medium-Term Dune Erosion during Storm Conditions. <i>Journal of Marine Science and Engineering</i> , 2015, 3, 674-698.	1.2	48
79	Assessment of SARAL/AltiKa Wave Height Measurements Relative to Buoy, Jason-2, and Cryosat-2 Data. <i>Marine Geodesy</i> , 2015, 38, 449-465.	0.9	69
80	How ocean waves rock the Earth: Two mechanisms explain microseisms with periods 3 to 300 s. <i>Geophysical Research Letters</i> , 2015, 42, 765-772.	1.5	188
81	Estimates of ocean wave heights and attenuation in sea ice using the SAR wave mode on Sentinel-1A. <i>Geophysical Research Letters</i> , 2015, 42, 2317-2325.	1.5	54
82	Review of winter storms 2013-2014 on shoreline retreat dynamic on Brittany coast. <i>Geomorphologie Relief, Processus, Environnement</i> , 2015, 21, 267-292.	0.7	35
83	Swell dissipation by induced atmospheric shear stress. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6622-6630.	1.0	9
84	Atmospheric storm surge modeling methodology along the French (Atlantic and English Channel) coast. <i>Ocean Dynamics</i> , 2014, 64, 1671-1692.	0.9	23
85	Infragravity waves across the oceans. <i>Geophysical Research Letters</i> , 2014, 41, 7957-7963.	1.5	32
86	Modelling the ocean site effect on seismic noise body waves. <i>Geophysical Journal International</i> , 2014, 197, 1096-1106.	1.0	74
87	A numerical model for free infragravity waves: Definition and validation at regional and global scales. <i>Ocean Modelling</i> , 2014, 77, 20-32.	1.0	63
88	Mixing parameterization: Impacts on rip currents and wave set-up. <i>Ocean Engineering</i> , 2014, 84, 213-227.	1.9	14
89	On the developments of spectral wave models: numerics and parameterizations for the coastal ocean. <i>Ocean Dynamics</i> , 2014, 64, 833-846.	0.9	97
90	Surface Roughness Imaging of Currents Shows Divergence and Strain in the Wind Direction. <i>Journal of Physical Oceanography</i> , 2014, 44, 2153-2163.	0.7	23

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91	Observations of large infragravity wave runup at Banneg Island, France. <i>Geophysical Research Letters</i> , 2014, 41, 976-982.	1.5	34
92	Effects of waves on coastal water dispersion in a small estuarine bay. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 70-86.	1.0	43
93	A suitable metocean hindcast database for the design of Marine energy converters. <i>International Journal of Marine Energy</i> , 2013, 3-4, e40-e52.	1.8	92
94	Dissipation source terms and whitecap statistics. <i>Ocean Modelling</i> , 2013, 70, 62-74.	1.0	41
95	Detection of microseismic compressional ( $P$ ) body waves aided by numerical modeling of oceanic noise sources. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4312-4324.	1.4	43
96	A note on the direct injection of turbulence by breaking waves. <i>Ocean Modelling</i> , 2013, 70, 145-151.	1.0	18
97	A global wave parameter database for geophysical applications. Part 2: Model validation with improved source term parameterization. <i>Ocean Modelling</i> , 2013, 70, 174-188.	1.0	298
98	Noise generation in the solid Earth, oceans and atmosphere, from nonlinear interacting surface gravity waves in finite depth. <i>Journal of Fluid Mechanics</i> , 2013, 716, 316-348.	1.4	94
99	Space-time measurements of oceanic sea states. <i>Ocean Modelling</i> , 2013, 70, 103-115.	1.0	71
100	A numerical model for ocean ultra-low frequency noise: Wave-generated acoustic-gravity and Rayleigh modes. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3242-3259.	0.5	26
101	Modelling secondary microseismic noise by normal mode summation. <i>Geophysical Journal International</i> , 2013, 193, 1732-1745.	1.0	86
102	Frequency-dependent noise sources in the North Atlantic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5341-5353.	1.0	25
103	Infragravity waves in the deep ocean: An upward revision. <i>Geophysical Research Letters</i> , 2013, 40, 3435-3439.	1.5	47
104	Phenomenal Sea States and Swell from a North Atlantic Storm in February 2011: A Comprehensive Analysis. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1825-1832.	1.7	60
105	From seismic noise to ocean wave parameters: General methods and validation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	62
106	Island shadow effects and the wave climate of the Western Tuamotu Archipelago (French Polynesia) inferred from altimetry and numerical model data. <i>Marine Pollution Bulletin</i> , 2012, 65, 415-424.	2.3	46
107	Modelling long-term seismic noise in various environments. <i>Geophysical Journal International</i> , 2012, 191, 707-722.	1.0	104
108	Present Wave Climate in the Bay of Biscay: Spatiotemporal Variability and Trends from 1958 to 2001. <i>Journal of Climate</i> , 2012, 25, 2020-2039.	1.2	61

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109	Dune recovery after storm erosion on a high-energy beach: Vougot Beach, Brittany (France). <i>Geomorphology</i> , 2012, 139-140, 16-33.	1.1	70
110	Numerical Wave Modeling in Conditions with Strong Currents: Dissipation, Refraction, and Relative Wind. <i>Journal of Physical Oceanography</i> , 2012, 42, 2101-2120.	0.7	114
111	A unified spectral parameterization for wave breaking: From the deep ocean to the surf zone. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
112	Coastal wave reflection, directional spread, and seismoacoustic noise sources. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	60
113	Revealing forerunners on Envisat's wave mode ASAR using the Global Seismic Network. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	14
114	How moderate sea states can generate loud seismic noise in the deep ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	57
115	Three-dimensional modelling of wave-induced current from the surf zone to the inner shelf. <i>Ocean Science</i> , 2012, 8, 657-681.	1.3	50
116	Polarized Earth's ambient microseismic noise. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	88
117	Ocean wave sources of seismic noise. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	246
118	Observation and parameterization of small icebergs: Drifting breakwaters in the southern ocean. <i>Ocean Modelling</i> , 2011, 39, 405-410.	1.0	38
119	On the coupling of wave and three-dimensional circulation models: Choice of theoretical framework, practical implementation and adiabatic tests. <i>Ocean Modelling</i> , 2011, 40, 260-272.	1.0	91
120	The ECORS-Truc Vert™08 nearshore field experiment: presentation of a three-dimensional morphologic system in a macro-tidal environment during consecutive extreme storm conditions. <i>Ocean Dynamics</i> , 2011, 61, 2073-2098.	0.9	53
121	Comments on "The Depth-Dependent Current and Wave Interaction Equations: A Revision", <i>Journal of Physical Oceanography</i> , 2011, 41, 2008-2012.	0.7	27
122	Changements morphologiques et budget sédimentaire des formes fuyantes en queue de comète de l'archipel de Molène (Bretagne, France). <i>Geomorphologie Relief, Processus, Environnement</i> , 2011, 17, 187-204.	0.7	10
123	Semiempirical Dissipation Source Functions for Ocean Waves. Part I: Definition, Calibration, and Validation. <i>Journal of Physical Oceanography</i> , 2010, 40, 1917-1941.	0.7	699
124	A unified deep-to-shallow water wave-breaking probability parameterization. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
125	Space-time structure of long ocean swell fields. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	47
126	Prévisions et rejeux des états de mer du globe à la plage. <i>European Journal of Environmental and Civil Engineering</i> , 2010, 14, 149-162.	1.0	8



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127	Extreme Waves in Sea States Crossing an Oblique Current. , 2010, , .		2
128	PrÃ©visions et rejeux des Ã©tats de mer du globe Ã la plage. European Journal of Environmental and Civil Engineering, 2010, 14, 149-162.	1.0	2
129	Atmospheric and marine aspects of the 10th of March 2008 storm in Atlantic and in the Channel. Norois, 2010, , 11-31.	0.0	31
130	ModÃ©lisation des Ã©tats de mer du globe Ã la plage : validation de nouveaux paramÃ©tres produits par PrÃ©vimer. , 2010, , .		2
131	Observation and Estimation of Lagrangian, Stokes, and Eulerian Currents Induced by Wind and Waves at the Sea Surface. Journal of Physical Oceanography, 2009, 39, 2820-2838.	0.7	219
132	Super-ensemble techniques: Application to surface drift prediction. Progress in Oceanography, 2009, 82, 149-167.	1.5	57
133	Drift and mixing under the ocean surface revisited: Stratified conditions and modelâ€”data comparisons. Journal of Geophysical Research, 2009, 114, .	3.3	43
134	Monitoring and analysis of ocean swell fields from space: New methods for routine observations. Journal of Geophysical Research, 2009, 114, .	3.3	139
135	Observation of swell dissipation across oceans. Geophysical Research Letters, 2009, 36, .	1.5	257
136	Explicit wave-averaged primitive equations using a generalized Lagrangian mean. Ocean Modelling, 2008, 20, 35-60.	1.0	160
137	A global wave parameter database for geophysical applications. Part 1: Wave-currentâ€”turbulence interaction parameters for the open ocean based on traditional parameterizations. Ocean Modelling, 2008, 25, 154-171.	1.0	115
138	Modeling of vortex ripple morphodynamics. Journal of Geophysical Research, 2008, 113, .	3.3	39
139	Project MOPS marine opportunity passive systems. , 2008, , .		4
140	Comments on â€œThe Three-Dimensional Current and Surface Wave Equationsâ€. Journal of Physical Oceanography, 2008, 38, 1340-1350.	0.7	60
141	ParamÃ©trage du dÃ©ferlement des vagues dans les modÃ©les spectraux: approches semi-empirique et physique. , 2008, , .		4
142	Swell and Slanting-Fetch Effects on Wind Wave Growth. Journal of Physical Oceanography, 2007, 37, 908-931.	0.7	113
143	Full-Scale Mine Burial Experiments in Wave and Current Environments and Comparison With Models. IEEE Journal of Oceanic Engineering, 2007, 32, 119-132.	2.1	20
144	Evolution of surface gravity waves over a submarine canyon. Journal of Geophysical Research, 2007, 112, .	3.3	44

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145	Scattering of surface gravity waves by bottom topography with a current. Journal of Fluid Mechanics, 2007, 576, 235-264.	1.4	35
146	Comparison of wind and wave measurements and models in the Western Mediterranean Sea. Ocean Engineering, 2007, 34, 526-541.	1.9	118
147	Wave modelling " The state of the art. Progress in Oceanography, 2007, 75, 603-674.	1.5	425
148	Full scale mine burial experiment and comparison with models. , 2006, , .		0
149	Drift and mixing under the ocean surface: A coherent one-dimensional description with application to unstratified conditions. Journal of Geophysical Research, 2006, 111, .	3.3	67
150	Momentum balance in shoaling gravity waves: Comment on "shoaling surface gravity waves cause a force and a torque on the bottom" by K. E. Kenyon. Journal of Oceanography, 2006, 62, 917-922.	0.7	5
151	On the Interaction of Surface Waves and Upper Ocean Turbulence. Journal of Physical Oceanography, 2006, 36, 551-557.	0.7	122
152	Measurement of wave scattering by topography in the presence of currents. Physics of Fluids, 2005, 17, 126601.	1.6	18
153	Numerical and Physical Diffusion: Can Wave Prediction Models Resolve Directional Spread?. Journal of Atmospheric and Oceanic Technology, 2005, 22, 886-895.	0.5	12
154	Topographical Scattering of Waves: Spectral Approach. Journal of Waterway, Port, Coastal and Ocean Engineering, 2005, 131, 311-320.	0.5	9
155	Extraction of Coastal Ocean Wave Fields From SAR Images. IEEE Journal of Oceanic Engineering, 2005, 30, 526-533.	2.1	78
156	Wave-induced drift and mixing. , 2005, , .		0
157	Direct measurements of ocean surface velocity from space: Interpretation and validation. Journal of Geophysical Research, 2005, 110, .	3.3	258
158	Waves and operational oceanography: Toward a coherent description of the upper ocean. Eos, 2005, 86, 37.	0.1	12
159	Waves and the Air"Sea Momentum Budget: Implications for Ocean Circulation Modeling. Journal of Physical Oceanography, 2004, 34, 1741-1755.	0.7	29
160	D"rive " la surface de l'oc"an sous l'effet des vagues. Comptes Rendus - Geoscience, 2004, 336, 1121-1130.	0.4	10
161	Swell Transformation across the Continental Shelf. Part II: Validation of a Spectral Energy Balance Equation. Journal of Physical Oceanography, 2003, 33, 1940-1953.	0.7	45
162	Swell Transformation across the Continental Shelf. Part I: Attenuation and Directional Broadening. Journal of Physical Oceanography, 2003, 33, 1921-1939.	0.7	108

#	ARTICLE	IF	CITATIONS
163	Spectral Evolution of Swell across the Continental Shelf. , 2002, , 744.		0
164	Observations of wave-generated vortex ripples on the North Carolina continental shelf. Journal of Geophysical Research, 2002, 107, 7-1.	3.3	40
165	Bragg scattering of random surface gravity waves by irregular seabed topography. Journal of Fluid Mechanics, 2002, 451, 1-33.	1.4	40
166	A Hybrid Eulerian-Lagrangian Model for Spectral Wave Evolution with Application to Bottom Friction on the Continental Shelf. Journal of Physical Oceanography, 2001, 31, 1498-1516.	0.7	46
167	Numerical study of the circulation in a steep canyon off the Catalan coast (western Mediterranean). Journal of Geophysical Research, 1999, 104, 11115-11135.	3.3	38