William Rogers

List of Publications by Year
in descending order

41 papers	2,066 citations	331538 21 h-index	289141 40 g-index
44 all docs	44 docs citations	44 times ranked	1437 citing authors

#	Article	IF	Citations
1	Swell and sea in the emerging Arctic Ocean. Geophysical Research Letters, 2014, 41, 3136-3140.	1.5	225
2	Investigation of Wave Growth and Decay in the SWAN Model: Three Regional-Scale Applications*. Journal of Physical Oceanography, 2003, 33, 366-389.	0.7	196
3	Observation-based source terms in the third-generation wave model WAVEWATCH. Ocean Modelling, 2015, 96, 2-25.	1.0	168
4	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.	0.5	166
5	Forecasting and hindcasting waves with the SWAN model in the Southern California Bight. Coastal Engineering, 2007, 54, 1-15.	1.7	116
6	In situ measurements of an energetic wave event in the Arctic marginal ice zone. Geophysical Research Letters, 2015, 42, 1863-1870.	1.5	108
7	Forecasting ocean waves: Comparing a physics-based model with statistical models. Coastal Engineering, 2011, 58, 409-416.	1.7	97
8	Dissipation of wind waves by pancake and frazil ice in the autumn Beaufort Sea. Journal of Geophysical Research: Oceans, 2016, 121, 7991-8007.	1.0	96
9	Overview of the Arctic Sea State and Boundary Layer Physics Program. Journal of Geophysical Research: Oceans, 2018, 123, 8674-8687.	1.0	96
10	Observation-Based Source Terms in the Third-Generation Wave Model WAVEWATCH III: Updates and Verification. Journal of Physical Oceanography, 2019, 49, 489-517.	0.7	91
11	Emerging trends in the sea state of the Beaufort and Chukchi seas. Ocean Modelling, 2016, 105, 1-12.	1.0	78
12	Calibrating a Viscoelastic Sea Ice Model for Wave Propagation in the Arctic Fall Marginal Ice Zone. Journal of Geophysical Research: Oceans, 2017, 122, 8770-8793.	1.0	73
13	A study of dissipation of wind-waves by mud at Cassino Beach, Brazil: Prediction and inversion. Continental Shelf Research, 2009, 29, 676-690.	0.9	65
14	Wave-Breaking Turbulence in the Ocean Surface Layer. Journal of Physical Oceanography, 2016, 46, 1857-1870.	0.7	47
15	Waves and Swells in High Wind and Extreme Fetches, Measurements in the Southern Ocean. Frontiers in Marine Science, 2019, 6, .	1.2	39
16	Frequency width in predictions of windsea spectra and the role of the nonlinear solver. Ocean Modelling, 2013, 70, 52-61.	1.0	31
17	Wind and wave influences on sea ice floe size and leads in the <scp>B</scp>eaufort and <scp>C</scp>hukchi <scp>S</scp>eas during the summerâ€fall transition 2014. Journal of Geophysical Research: Oceans, 2016, 121, 1502-1525.	1.0	27
18	Drag coefficient comparisons between observed and model simulated directional wave spectra under hurricane conditions. Ocean Modelling, 2016, 102, 1-13.	1.0	27

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19	Oceanâ€“wave coupled modeling in COAMPS-TC: A study of Hurricane Ivan (2004). Ocean Modelling, 2013, 69, 181-194.	1.0	25
20	Spectral Modeling of Ice-Induced Wave Decay. Journal of Physical Oceanography, 2020, 50, 1583-1604.	0.7	25
21	Directional Validation of Wave Predictions*. Journal of Atmospheric and Oceanic Technology, 2007, 24, 504-520.	0.5	24
22	Wave spectral response to sudden changes in wind direction in finite-depth waters. Ocean Modelling, 2016, 103, 98-117.	1.0	21
23	Evaluations of Global Wave Prediction at the Fleet Numerical Meteorology and Oceanography Center*. Weather and Forecasting, 2005, 20, 745-760.	0.5	20
24	Estimates of spectral wave attenuation in Antarctic sea ice, using model/data inversion. Cold Regions Science and Technology, 2021, 182, 103198.	1.6	19
25	Global Wave Hindcasts Using the Observationâ€Based Source Terms: Description and Validation. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002493.	1.3	19
26	Airborne Remote Sensing of Wave Propagation in the Marginal Ice Zone. Journal of Geophysical Research: Oceans, 2018, 123, 4132-4152.	1.0	18
27	Langmuir turbulence in horizontal salinity gradient. Ocean Modelling, 2018, 129, 93-103.	1.0	18
28	Adjoint-Free Variational Data Assimilation into a Regional Wave Model. Journal of Atmospheric and Oceanic Technology, 2015, 32, 1386-1399.	0.5	16
29	Spatial characteristics of ocean surface waves. Ocean Dynamics, 2016, 66, 1025-1035.	0.9	16
30	Attenuation of Ocean Surface Waves in Pancake and Frazil Sea Ice Along the Coast of the Chukchi Sea. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016746.	1.0	14
31	Wave Groups Observed in Pancake Sea Ice. Journal of Geophysical Research: Oceans, 2019, 124, 7400-7411.	1.0	13
32	Landfast Ice and Coastal Wave Exposure in Northern Alaska. Geophysical Research Letters, 2021, 48, e2021GL095103.	1.5	11
33	US Navy Global and Regional Wave Modeling. Oceanography, 2014, 27, 56-67.	0.5	10
34	Wave Evolution in Offâ€Ice Wind Conditions. Journal of Geophysical Research: Oceans, 2018, 123, 5543-5556.	1.0	10
35	A Scaling for Wave Dispersion Relationships in Iceâ€Covered Waters. Journal of Geophysical Research: Oceans, 2019, 124, 8429-8438.	1.0	10
36	Advanced wave modeling, including wave-current interaction. Journal of Marine Research, 2017, 75, 239-262.	0.3	9

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37	Laboratory Study of Beach Nourishment Behavior. Journal of Waterway, Port, Coastal and Ocean Engineering, 1998, 124, 229-237.	0.5	7
38	Diffraction of irregular ocean waves measured by altimeter in the lee of islands. Remote Sensing of Environment, 2021, 265, 112653.	4.6	6
39	A new method for parameterization of wave dissipation by sea ice. Cold Regions Science and Technology, 2022, 199, 103582.	1.6	5
40	Pacific Basin Wind-Wave Models: The Generation and Propagation of Low Frequency Energy. , 2002, , 934.		1
41	Correlations between Interannual SST Oscillations and Modeled Swell Impacts on Turbulent Mixing*. Journal of Climate, 2016, 29, 293-311.	1.2	1