Ralph Milliff

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	2,198 citations	394421 19 h-index	377865 34 g-index
38 all docs	38 docs citations	38 times ranked	2492 citing authors

#	Article	IF	Citations
1	Satellite Measurements Reveal Persistent Small-Scale Features in Ocean Winds. Science, 2004, 303, 978-983.	12.6	754
2	Spatiotemporal Hierarchical Bayesian Modeling Tropical Ocean Surface Winds. Journal of the American Statistical Association, 2001, 96, 382-397.	3.1	283
3	Deep convection in the Irminger Sea forced by the Greenland tip jet. Nature, 2003, 424, 152-156.	27.8	226
4	Wind Stress Curl and Wind Stress Divergence Biases from Rain Effects on QSCAT Surface Wind Retrievals. Journal of Atmospheric and Oceanic Technology, 2004, 21, 1216-1231.	1.3	149
5	Basin-Scale, High-Wavenumber Sea Surface Wind Fields from a Multiresolution Analysis of Scatterometer Data. Journal of Atmospheric and Oceanic Technology, 1998, 15, 741-763.	1.3	110
6	The Global Distribution of the Time-Average Wind Stress Curl from NSCAT. Journals of the Atmospheric Sciences, 2001, 58, 109-131.	1.7	57
7	Generalized quasi-geostrophy for spatially anisotropic rotationally constrained flows. Journal of Fluid Mechanics, 2006, 555, 233.	3.4	57
8	4DVAR data assimilation in the Intra-Americas Sea with the Regional Ocean Modeling System (ROMS). Ocean Modelling, 2008, 23, 130-145.	2.4	47
9	Composite Life Cycle of Maritime Tropical Mesoscale Convective Systems in Scatterometer and Microwave Satellite Observations. Journals of the Atmospheric Sciences, 2009, 66, 199-208.	1.7	46
10	Excitation of gravity waves by ocean surface wave packets: Upward propagation and reconstruction of the thermospheric gravity wave field. Journal of Geophysical Research: Space Physics, 2015, 120, 9748-9780.	2.4	41
11	The Evolution of Boundary Pressure in Ocean Basins. Journal of Physical Oceanography, 1994, 24, 1317-1338.	1.7	36
12	The General Circulation Responses of High-Resolution North Atlantic Ocean Models to Synthetic Scatterometer Winds. Journal of Physical Oceanography, 1996, 26, 1747-1768.	1.7	36
13	Ocean ensemble forecasting. Part I: Ensemble Mediterranean winds from a Bayesian hierarchical model. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 858-878.	2.7	36
14	Surface Wind Variability on Spatial Scales from 1 to 1000 km Observed during TOGA COARE. Journals of the Atmospheric Sciences, 1999, 56, 2222-2231.	1.7	35
15	Hierarchical Bayesian Approach to Boundary Value Problems with Stochastic Boundary Conditions. Monthly Weather Review, 2003, 131, 1051-1062.	1.4	31
16	Structure and Dynamics of the Rhodes Gyre System and Dynamical Interpolation for Estimates of the Mesoscale Variability. Journal of Physical Oceanography, 1992, 22, 317-337.	1.7	29
17	Uncertainty Management in Coupled Physical-Biological Lower Trophic Level Ocean Ecosystem Models. Oceanography, 2013, 26, 98-115.	1.0	28
18	Modeling 3â€Ð spatioâ€temporal biogeochemical processes with a forest of 1â€Ð statistical emulators. Environmetrics, 2013, 24, 1-12.	1.4	27

#	Article	IF	Citations
19	Near real-time ocean circulation assimilation and prediction in the Intra-Americas Sea with ROMS. Dynamics of Atmospheres and Oceans, 2009, 48, 46-68.	1.8	23
20	A Bayesian parameter estimation method applied to a marine ecosystem model for the coastal Gulf of Alaska. Ecological Modelling, 2013, 258, 122-133.	2.5	22
21	Ocean ensemble forecasting. Part II: Mediterranean Forecast System response. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 879-893.	2.7	20
22	Stochastic Forcing of the North Atlantic Wind-Driven Ocean Circulation. Part I: A Diagnostic Analysis of the Ocean Response to Stochastic Forcing. Journal of Physical Oceanography, 2006, 36, 300-315.	1.7	16
23	A note on consistent quasi-geostrophic boundary conditions in partially open, simply and multiply connected domains. Dynamics of Atmospheres and Oceans, 1989, 14, 65-76.	1.8	14
24	Mesoscale Correlation Length Scales from NSCAT and Minimet Surface Wind Retrievals in the Labrador Sea. Journal of Atmospheric and Oceanic Technology, 2003, 20, 513-533.	1.3	14
25	A modified capacitance matrix method to implement coastal boundaries in the Harvard Open Ocean Model. Mathematics and Computers in Simulation, 1990, 31, 541-564.	4.4	12
26	Winds from a Bayesian Hierarchical Model: Computation for Atmosphere-Ocean Research. Journal of Computational and Graphical Statistics, 2003, 12, 781-807.	1.7	11
27	Dominant spatial variability scales from observations around the Hawaiian Islands. Deep-Sea Research Part I: Oceanographic Research Papers, 2011, 58, 979-987.	1.4	10
28	Stochastic Forcing of Ocean Variability by the North Atlantic Oscillation. Journal of Physical Oceanography, 2009, 39, 162-184.	1.7	9
29	Stochastic Forcing of the North Atlantic Wind-Driven Ocean Circulation. Part II: An Analysis of the Dynamical Ocean Response Using Generalized Stability Theory. Journal of Physical Oceanography, 2006, 36, 316-334.	1.7	5
30	Assimilation of oceanographic observations with estimates of vertical backgroundâ€error covariances by a Bayesian hierarchical model. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 182-194.	2.7	4
31	A state-space model for ocean drifter motions dominated by inertial oscillations. Journal of Geophysical Research, 2005, 110, .	3.3	3
32	QuikSCAT Impacts on Coastal Forecasts and Warnings: Operational Utility of Satellite Ocean Surface Vector Wind Data. Weather and Forecasting, 2008, 23, 878-890.	1.4	3
33	A Southern Hemisphere sea level pressureâ€based precursor for ENSO warm and cold events. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2280-2292.	3.3	3
34	Scatterometer winds composited according to the phase of tropical intraseasonal oscillations. Tellus, Series A: Dynamic Meteorology and Oceanography, 1999, 51, 263-272.	1.7	1
35	The TropSat mission: An observatory for mesoscale convective system processes in the global tropics. , 2009, , .		0