

# Elizabeth C Kent

## 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.

67  
papers

9,608  
citations

29  
h-index

70  
g-index

70  
ext. papers

10,648  
ext. citations

4.6  
avg. IF

5.82  
L-index

#	Paper	IF	Citations
67	Global Climate. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 102, S11-S142	6.1	8
66	Historical Estimates of Surface Marine Temperatures. <i>Annual Review of Marine Science</i> , <b>2021</b> , 13, 283-311	5.4	5
65	Progress towards a holistic land and marine surface meteorological database and a call for additional contributions. <i>Geoscience Data Journal</i> , <b>2020</b> ,	2.5	2
64	The EUSTACE Project: Delivering Global, Daily Information on Surface Air Temperature. <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E1924-E1947	6.1	11
63	CLASSmat: A global night marine air temperature data set, 1880-2019. <i>Geoscience Data Journal</i> , <b>2020</b> , 7, 170-184	2.5	3
62	Observing Requirements for Long-Term Climate Records at the Ocean Surface. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	17
61	Ship-Based Contributions to Global Ocean, Weather, and Climate Observing Systems. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	20
60	Correcting datasets leads to more homogeneous early-twentieth-century sea surface warming. <i>Nature</i> , <b>2019</b> , 571, 393-397	50.4	28
59	Constraining Southern Ocean Air-Sea-Ice Fluxes Through Enhanced Observations. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	16
58	Air-Sea Fluxes With a Focus on Heat and Momentum. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	57
57	The International Comprehensive Ocean-Atmosphere Data Set [Meeting Users Needs and Future Priorities. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	10
56	The Importance of Unresolved Biases in Twentieth-Century Sea Surface Temperature Observations. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, 621-629	6.1	13
55	Estimating Sea Surface Temperature Measurement Methods Using Characteristic Differences in the Diurnal Cycle. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 363-371	4.9	17
54	Intraseasonal Variability of Air-Sea Fluxes over the Bay of Bengal during the Southwest Monsoon. <i>Journal of Climate</i> , <b>2018</b> , 31, 7087-7109	4.4	12
53	BoBBLE: Ocean-Atmosphere Interaction and Its Impact on the South Asian Monsoon. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 1569-1587	6.1	30
52	A probabilistic approach to ship voyage reconstruction in ICOADS. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 2233-2247	3.5	18
51	A Call for New Approaches to Quantifying Biases in Observations of Sea Surface Temperature. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 1601-1616	6.1	55

50	Assessing the health of the in situ global surface marine climate observing system. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 2248-2259	3.5	13
49	Measurements and models of the temperature change of water samples in sea-surface temperature buckets. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2017</b> , 143, 2198-2209	6.4	8
48	ICOADS Release 3.0: a major update to the historical marine climate record. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 2211-2232	3.5	181
47	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 2689-2702	6.1	55
46	Climatological diurnal variability in sea surface temperature characterized from drifting buoy data. <i>Geoscience Data Journal</i> , <b>2016</b> , 3, 20-28	2.5	21
45	Recent Change in Atmosphere. <i>Regional Climate Studies</i> , <b>2016</b> , 55-84		8
44	Recent Change in North Sea. <i>Regional Climate Studies</i> , <b>2016</b> , 85-136		7
43	A comparison of SSM/I-derived global marine surface-specific humidity datasets. <i>International Journal of Climatology</i> , <b>2015</b> , 35, 2359-2381	3.5	13
42	A comparison of global marine surface-specific humidity datasets from in situ observations and atmospheric reanalysis. <i>International Journal of Climatology</i> , <b>2014</b> , 34, 355-376	3.5	10
41	Observations: Atmosphere and Surface <b>2014</b> , 159-254		218
40	Global analysis of night marine air temperature and its uncertainty since 1880: The HadNMAT2 data set. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 1281-1298	4.4	49
39	A comparative assessment of monthly mean wind speed products over the global ocean. <i>International Journal of Climatology</i> , <b>2013</b> , 33, 2520-2541	3.5	51
38	A 20-year independent record of sea surface temperature for climate from Along-Track Scanning Radiometers. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		67
37	An Estimate of Structural Uncertainty in QuikSCAT Wind Vector Retrievals. <i>Journal of Applied Meteorology and Climatology</i> , <b>2012</b> , 51, 954-961	2.7	5
36	Air-Sea fluxes from ICOADS: the construction of a new gridded dataset with uncertainty estimates. <i>International Journal of Climatology</i> , <b>2011</b> , 31, 987-1001	3.5	72
35	ICOADS Release 2.5: extensions and enhancements to the surface marine meteorological archive. <i>International Journal of Climatology</i> , <b>2011</b> , 31, 951-967	3.5	341
34	Guiding the Creation of A Comprehensive Surface Temperature Resource for Twenty-First-Century Climate Science. <i>Bulletin of the American Meteorological Society</i> , <b>2011</b> , 92, ES40-ES47	6.1	50
33	Effects of instrumentation changes on sea surface temperature measured in situ. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2010</b> , 1, 718-728	8.4	29

32	From Observations to Forecasts [Part 6. Marine meteorological observations. <i>Weather</i> , <b>2010</b> , 65, 231-238].	9	1
31	The Voluntary Observing Ship (VOS) Scheme <b>2010</b> ,		7
30	Integrating the Ocean Observing System: Mobile Platforms <b>2010</b> ,		11
29	A New Air-Sea Interaction Gridded Dataset from ICOADS With Uncertainty Estimates. <i>Bulletin of the American Meteorological Society</i> , <b>2009</b> , 90, 645-656	6.1	138
28	Trends in ship wind speeds adjusted for observation method and height. <i>International Journal of Climatology</i> , <b>2008</b> , 28, 747-763	3.5	61
27	Deriving a sea surface temperature record suitable for climate change research from the along-track scanning radiometers. <i>Advances in Space Research</i> , <b>2008</b> , 41, 1-11	2.4	41
26	The Evolving SST Record from ICOADS <b>2008</b> , 65-83		14
25	Metadata from WMO Publication No. 47 and an Assessment of Voluntary Observing Ship Observation Heights in ICOADS. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2007</b> , 24, 214-234	2	77
24	MEETING SUMMARIES. <i>Bulletin of the American Meteorological Society</i> , <b>2007</b> , 88, 559-568	6.1	5
23	Were extreme waves in the Rockall Trough the largest ever recorded?. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	40
22	Toward Estimating Climatic Trends in SST. Part II: Random Errors. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2006</b> , 23, 476-486	2	33
21	Toward Estimating Climatic Trends in SST. Part I: Methods of Measurement. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2006</b> , 23, 464-475	2	46
20	Toward Estimating Climatic Trends in SST. Part III: Systematic Biases. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2006</b> , 23, 487-500	2	34
19	Quantifying random measurement errors in Voluntary Observing Ships meteorological observations. <i>International Journal of Climatology</i> , <b>2005</b> , 25, 843-856	3.5	40
18	Methods to homogenize wind speeds from ships and buoys. <i>International Journal of Climatology</i> , <b>2005</b> , 25, 979-995	3.5	65
17	The effect of instrument exposure on marine air temperatures: an assessment using VOSclim Data. <i>International Journal of Climatology</i> , <b>2005</b> , 25, 1007-1022	3.5	19
16	An Analytical Model of Heating Errors in Marine Air Temperatures from Ships. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2004</b> , 21, 1198-1215	2	36
15	Global analyses of sea surface temperature, sea ice, and night marine air temperature since the late nineteenth century. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		6770

14	Wind Stress Forcing of the Ocean in the SOC Climatology: Comparisons with the NCEP-NCAR, ECMWF, UWM/COADS, and Hellerman and Rosenstein Datasets. <i>Journal of Physical Oceanography</i> , <b>2002</b> , 32, 1993-2019	2.4	80
13	Can a state of the art atmospheric general circulation model reproduce recent NAO related variability at the air-sea interface?. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4543-4546	4.9	14
12	The Effect of Successive Correction on Variability Estimates for Climatological Datasets. <i>Journal of Climate</i> , <b>2000</b> , 13, 1845-1857	4.4	8
11	New Insights into the Ocean Heat Budget Closure Problem from Analysis of the SOC Air-Sea Flux Climatology. <i>Journal of Climate</i> , <b>1999</b> , 12, 2856-2880	4.4	274
10	Accounting for random errors in linear regression: A practical guide. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>1999</b> , 125, 2789-2790	6.4	1
9	A Statistical Determination of the Random Observational Errors Present in Voluntary Observing Ships Meteorological Reports. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1999</b> , 16, 905-914	2	45
8	A comparison of ship- and scatterometer-derived wind speed data in open ocean and coastal areas. <i>International Journal of Remote Sensing</i> , <b>1998</b> , 19, 3361-3381	3.1	20
7	Choice of a Beaufort Equivalent Scale. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1997</b> , 14, 228-242		38
6	A comparison of oceanic skin effect parameterizations using shipborne radiometer data. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 16649-16666		16
5	Accuracy of Humidity Measurement on Ships: Consideration of Solar Radiation Effects. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1996</b> , 13, 1317-1321	2	12
4	Seasonal variations between sampling and classical mean turbulent heat flux estimates in the eastern North Atlantic. <i>Annales Geophysicae</i> , <b>1995</b> , 13, 1054-1064	2	8
3	A Comparison of Sensible and Latent Heat Flux Estimates for the North Atlantic Ocean. <i>Journal of Physical Oceanography</i> , <b>1995</b> , 25, 1530-1549	2.4	14
2	The Accuracy of Voluntary Observing Ships Meteorological Observations-Results of the VSOP-NA. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1993</b> , 10, 591-608	2	96
1	Correction of Marine Air Temperature Observations for Solar Radiation Effects. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1993</b> , 10, 900-906	2	24