Elizabeth C Kent

List of Publications by Year
in descending order

67 papers	11,958 citations	147566 31 h-index	114278 63 g-index
70 all docs	70 docs citations	70 times ranked	10389 citing authors

#	Article	IF	Citations
1	Progress towards a holistic land and marine surface meteorological database and a call for additional contributions. Geoscience Data Journal, 2021, 8, 103-120.	1.8	12
2	Global Climate. Bulletin of the American Meteorological Society, 2021, 102, S11-S142.	1.7	36
3	Historical Estimates of Surface Marine Temperatures. Annual Review of Marine Science, 2021, 13, 283-311.	5.1	15
4	CLASSnmat: A global night marine air temperature data set, 1880â€“2019. Geoscience Data Journal, 2020, 7, 170-184.	1.8	7
5	The EUSTACE Project: Delivering Global, Daily Information on Surface Air Temperature. Bulletin of the American Meteorological Society, 2020, 101, E1924-E1947.	1.7	18
6	Ship-Based Contributions to Global Ocean, Weather, and Climate Observing Systems. Frontiers in Marine Science, 2019, 6, .	1.2	34
7	Correcting datasets leads to more homogeneous early-twentieth-century sea surface warming. Nature, 2019, 571, 393-397.	13.7	51
8	Constraining Southern Ocean Air-Sea-Ice Fluxes Through Enhanced Observations. Frontiers in Marine Science, 2019, 6, .	1.2	31
9	Air-Sea Fluxes With a Focus on Heat and Momentum. Frontiers in Marine Science, 2019, 6, .	1.2	111
10	Observing Requirements for Long-Term Climate Records at the Ocean Surface. Frontiers in Marine Science, 2019, 6, .	1.2	25
11	The International Comprehensive Ocean-Atmosphere Data Set â€“ Meeting Users Needs and Future Priorities. Frontiers in Marine Science, 2019, 6, .	1.2	21
12	The Importance of Unresolved Biases in Twentieth-Century Sea Surface Temperature Observations. Bulletin of the American Meteorological Society, 2019, 100, 621-629.	1.7	15
13	Estimating Sea Surface Temperature Measurement Methods Using Characteristic Differences in the Diurnal Cycle. Geophysical Research Letters, 2018, 45, 363-371.	1.5	25
14	BoBBLE: Oceanâ€“Atmosphere Interaction and Its Impact on the South Asian Monsoon. Bulletin of the American Meteorological Society, 2018, 99, 1569-1587.	1.7	45
15	Intraseasonal Variability of Airâ€“Sea Fluxes over the Bay of Bengal during the Southwest Monsoon. Journal of Climate, 2018, 31, 7087-7109.	1.2	17
16	A probabilistic approach to ship voyage reconstruction in <scp>ICOADS</scp>. International Journal of Climatology, 2017, 37, 2233-2247.	1.5	23
17	A Call for New Approaches to Quantifying Biases in Observations of Sea Surface Temperature. Bulletin of the American Meteorological Society, 2017, 98, 1601-1616.	1.7	69
18	Assessing the health of the in situ global surface marine climate observing system. International Journal of Climatology, 2017, 37, 2248-2259.	1.5	14

#	Article	IF	Citations
19	Measurements and models of the temperature change of water samples in seaâ€surface temperature buckets. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2198-2209.	1.0	8
20	ICOADS Release 3.0: a major update to the historical marine climate record. International Journal of Climatology, 2017, 37, 2211-2232.	1.5	288
21	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. Bulletin of the American Meteorological Society, 2017, 98, 2689-2702.	1.7	80
22	Climatological diurnal variability in sea surface temperature characterized from drifting buoy data. Geoscience Data Journal, 2016, 3, 20-28.	1.8	26
23	Recent Changeâ€"Atmosphere. Regional Climate Studies, 2016, , 55-84.	1.2	10
24	Recent Changeâ€"North Sea. Regional Climate Studies, 2016, , 85-136.	1.2	9
25	A comparison of SSM/I-derived global marine surface-specific humidity datasets. International Journal of Climatology, 2015, 35, 2359-2381.	1.5	13
26	A comparison of global marine surfaceâ€specific humidity datasets from in situ observations and atmospheric reanalysis. International Journal of Climatology, 2014, 34, 355-376.	1.5	11
27	Observations: Atmosphere and Surface. , 2014, , 159-254.		350
28	Global analysis of night marine air temperature and its uncertainty since 1880: The HadNMAT2 data set. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1281-1298.	1.2	62
29	A comparative assessment of monthly mean wind speed products over the global ocean. International Journal of Climatology, 2013, 33, 2520-2541.	1.5	60
30	An Estimate of Structural Uncertainty in QuikSCAT Wind Vector Retrievals. Journal of Applied Meteorology and Climatology, 2012, 51, 954-961.	0.6	5
31	A 20Âyear independent record of sea surface temperature for climate from Alongâ€Track Scanning Radiometers. Journal of Geophysical Research, 2012, 117, .	3.3	77
32	Airâ€"Sea fluxes from ICOADS: the construction of a new gridded dataset with uncertainty estimates. International Journal of Climatology, 2011, 31, 987-1001.	1.5	89
33	ICOADS Release 2.5: extensions and enhancements to the surface marine meteorological archive. International Journal of Climatology, 2011, 31, 951-967.	1.5	407
34	Guiding the Creation of A Comprehensive Surface Temperature Resource for Twenty-First-Century Climate Science. Bulletin of the American Meteorological Society, 2011, 92, ES40-ES47.	1.7	59
35	Effects of instrumentation changes on sea surface temperature measured in situ. Wiley Interdisciplinary Reviews: Climate Change, 2010, 1, 718-728.	3.6	35
36	From Observations to Forecasts - Part 6. Marine meteorological observations. Weather, 2010, 65, 231-238.	0.6	2

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37	The Voluntary Observing Ship (VOS) Scheme. , 2010, , .		22
38	Integrating the Ocean Observing System: Mobile Platforms. , 2010, , .		17
39	A New Airâ€“Sea Interaction Gridded Dataset from ICOADS With Uncertainty Estimates. Bulletin of the American Meteorological Society, 2009, 90, 645-656.	1.7	164
40	Trends in ship wind speeds adjusted for observation method and height. International Journal of Climatology, 2008, 28, 747-763.	1.5	72
41	Deriving a sea surface temperature record suitable for climate change research from the along-track scanning radiometers. Advances in Space Research, 2008, 41, 1-11.	1.2	47
42	The Evolving SST Record from ICOADS. , 2008, , 65-83.		22
43	MEETING SUMMARIES. Bulletin of the American Meteorological Society, 2007, 88, 559-568.	1.7	11
44	Metadata from WMO Publication No. 47 and an Assessment of Voluntary Observing Ship Observation Heights in ICOADS. Journal of Atmospheric and Oceanic Technology, 2007, 24, 214-234.	0.5	91
45	Were extreme waves in the Rockall Trough the largest ever recorded?. Geophysical Research Letters, 2006, 33, .	1.5	54
46	Toward Estimating Climatic Trends in SST. Part II: Random Errors. Journal of Atmospheric and Oceanic Technology, 2006, 23, 476-486.	0.5	37
47	Toward Estimating Climatic Trends in SST. Part I: Methods of Measurement. Journal of Atmospheric and Oceanic Technology, 2006, 23, 464-475.	0.5	55
48	Toward Estimating Climatic Trends in SST. Part III: Systematic Biases. Journal of Atmospheric and Oceanic Technology, 2006, 23, 487-500.	0.5	38
49	Quantifying random measurement errors in Voluntary Observing Ships' meteorological observations. International Journal of Climatology, 2005, 25, 843-856.	1.5	45
50	Methods to homogenize wind speeds from ships and buoys. International Journal of Climatology, 2005, 25, 979-995.	1.5	75
51	The effect of instrument exposure on marine air temperatures: an assessment using VOSClim Data. International Journal of Climatology, 2005, 25, 1007-1022.	1.5	22
52	An Analytical Model of Heating Errors in Marine Air Temperatures from Ships. Journal of Atmospheric and Oceanic Technology, 2004, 21, 1198-1215.	0.5	42
53	Global analyses of sea surface temperature, sea ice, and night marine air temperature since the late nineteenth century. Journal of Geophysical Research, 2003, 108, .	3.3	8,242
54	Wind Stress Forcing of the Ocean in the SOC Climatology: Comparisons with the NCEPâ€“NCAR, ECMWF, UWM/COADS, and Hellerman and Rosenstein Datasets. Journal of Physical Oceanography, 2002, 32, 1993-2019.	0.7	87

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55	Can a state of the art atmospheric general circulation model reproduce recent NAO related variability at the air-sea interface?. Geophysical Research Letters, 2001, 28, 4543-4546.	1.5	19
56	The Effect of Successive Correction on Variability Estimates for Climatological Datasets. Journal of Climate, 2000, 13, 1845-1857.	1.2	10
57	New Insights into the Ocean Heat Budget Closure Problem from Analysis of the SOC Airâ€“Sea Flux Climatology. Journal of Climate, 1999, 12, 2856-2880.	1.2	300
58	Accounting for random errors in linear regression: A practical guide. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 2789-2790.	1.0	1
59	A Statistical Determination of the Random Observational Errors Present in Voluntary Observing Ships Meteorological Reports. Journal of Atmospheric and Oceanic Technology, 1999, 16, 905-914.	0.5	51
60	A comparison of ship- and scatterometer-derived wind speed data in open ocean and coastal areas. International Journal of Remote Sensing, 1998, 19, 3361-3381.	1.3	21
61	Choice of a Beaufort Equivalent Scale. Journal of Atmospheric and Oceanic Technology, 1997, 14, 228-242.	0.5	45
62	A comparison of oceanic skin effect parameterizations using shipborne radiometer data. Journal of Geophysical Research, 1996, 101, 16649-16666.	3.3	21
63	Accuracy of Humidity Measurement on Ships: Consideration of Solar Radiation Effects. Journal of Atmospheric and Oceanic Technology, 1996, 13, 1317-1321.	0.5	14
64	Seasonal variations between sampling and classical mean turbulent heat flux estimates in the eastern North Atlantic. Annales Geophysicae, 1995, 13, 1054-1064.	0.6	17
65	A Comparison of Sensible and Latent Heat Flux Estimates for the North Atlantic Ocean. Journal of Physical Oceanography, 1995, 25, 1530-1549.	0.7	18
66	The Accuracy of Voluntary Observing Ships' Meteorological Observations-Results of the VSOP-NA. Journal of Atmospheric and Oceanic Technology, 1993, 10, 591-608.	0.5	110
67	Correction of Marine Air Temperature Observations for Solar Radiation Effects. Journal of Atmospheric and Oceanic Technology, 1993, 10, 900-906.	0.5	28