

Elizabeth C Kent

List of Publications by Citations

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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 analyses of sea surface temperature, sea ice, and night marine air temperature since the late nineteenth century. <i>Journal of Geophysical Research</i> , 2003 , 108,		6770
66	ICOADS Release 2.5: extensions and enhancements to the surface marine meteorological archive. <i>International Journal of Climatology</i> , 2011 , 31, 951-967	3.5	341
65	New Insights into the Ocean Heat Budget Closure Problem from Analysis of the SOC AirSea Flux Climatology. <i>Journal of Climate</i> , 1999 , 12, 2856-2880	4.4	274
64	Observations: Atmosphere and Surface 2014 , 159-254		218
63	ICOADS Release 3.0: a major update to the historical marine climate record. <i>International Journal of Climatology</i> , 2017 , 37, 2211-2232	3.5	181
62	A New AirSea Interaction Gridded Dataset from ICOADS With Uncertainty Estimates. <i>Bulletin of the American Meteorological Society</i> , 2009 , 90, 645-656	6.1	138
61	The Accuracy of Voluntary Observing Ships Meteorological Observations-Results of the VSOP-NA. <i>Journal of Atmospheric and Oceanic Technology</i> , 1993 , 10, 591-608	2	96
60	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> , 2002 , 32, 1993-2019	2.4	80
59	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> , 2007 , 24, 214-234	2	77
58	AirSea fluxes from ICOADS: the construction of a new gridded dataset with uncertainty estimates. <i>International Journal of Climatology</i> , 2011 , 31, 987-1001	3.5	72
57	A 20-year independent record of sea surface temperature for climate from Along-Track Scanning Radiometers. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		67
56	Methods to homogenize wind speeds from ships and buoys. <i>International Journal of Climatology</i> , 2005 , 25, 979-995	3.5	65
55	Trends in ship wind speeds adjusted for observation method and height. <i>International Journal of Climatology</i> , 2008 , 28, 747-763	3.5	61
54	Air-Sea Fluxes With a Focus on Heat and Momentum. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	57
53	A Call for New Approaches to Quantifying Biases in Observations of Sea Surface Temperature. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 1601-1616	6.1	55
52	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 2689-2702	6.1	55
51	A comparative assessment of monthly mean wind speed products over the global ocean. <i>International Journal of Climatology</i> , 2013 , 33, 2520-2541	3.5	51

50	Guiding the Creation of A Comprehensive Surface Temperature Resource for Twenty-First-Century Climate Science. <i>Bulletin of the American Meteorological Society</i> , 2011 , 92, ES40-ES47	6.1	50
49	Global analysis of night marine air temperature and its uncertainty since 1880: The HadNMAT2 data set. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1281-1298	4.4	49
48	Toward Estimating Climatic Trends in SST. Part I: Methods of Measurement. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006 , 23, 464-475	2	46
47	A Statistical Determination of the Random Observational Errors Present in Voluntary Observing Ships Meteorological Reports. <i>Journal of Atmospheric and Oceanic Technology</i> , 1999 , 16, 905-914	2	45
46	Deriving a sea surface temperature record suitable for climate change research from the along-track scanning radiometers. <i>Advances in Space Research</i> , 2008 , 41, 1-11	2.4	41
45	Were extreme waves in the Rockall Trough the largest ever recorded?. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	40
44	Quantifying random measurement errors in Voluntary Observing Ships meteorological observations. <i>International Journal of Climatology</i> , 2005 , 25, 843-856	3.5	40
43	Choice of a Beaufort Equivalent Scale. <i>Journal of Atmospheric and Oceanic Technology</i> , 1997 , 14, 228-242		38
42	An Analytical Model of Heating Errors in Marine Air Temperatures from Ships. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004 , 21, 1198-1215	2	36
41	Toward Estimating Climatic Trends in SST. Part III: Systematic Biases. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006 , 23, 487-500	2	34
40	Toward Estimating Climatic Trends in SST. Part II: Random Errors. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006 , 23, 476-486	2	33
39	BoBBLE: Ocean-Atmosphere Interaction and Its Impact on the South Asian Monsoon. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 1569-1587	6.1	30
38	Effects of instrumentation changes on sea surface temperature measured in situ. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010 , 1, 718-728	8.4	29
37	Correcting datasets leads to more homogeneous early-twentieth-century sea surface warming. <i>Nature</i> , 2019 , 571, 393-397	50.4	28
36	Correction of Marine Air Temperature Observations for Solar Radiation Effects. <i>Journal of Atmospheric and Oceanic Technology</i> , 1993 , 10, 900-906	2	24
35	Climatological diurnal variability in sea surface temperature characterized from drifting buoy data. <i>Geoscience Data Journal</i> , 2016 , 3, 20-28	2.5	21
34	Ship-Based Contributions to Global Ocean, Weather, and Climate Observing Systems. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	20
33	A comparison of ship- and scatterometer-derived wind speed data in open ocean and coastal areas. <i>International Journal of Remote Sensing</i> , 1998 , 19, 3361-3381	3.1	20

32	The effect of instrument exposure on marine air temperatures: an assessment using VOSclim Data. <i>International Journal of Climatology</i> , 2005 , 25, 1007-1022	3.5	19
31	A probabilistic approach to ship voyage reconstruction in ICOADS. <i>International Journal of Climatology</i> , 2017 , 37, 2233-2247	3.5	18
30	Observing Requirements for Long-Term Climate Records at the Ocean Surface. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	17
29	Estimating Sea Surface Temperature Measurement Methods Using Characteristic Differences in the Diurnal Cycle. <i>Geophysical Research Letters</i> , 2018 , 45, 363-371	4.9	17
28	Constraining Southern Ocean Air-Sea-Ice Fluxes Through Enhanced Observations. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	16
27	A comparison of oceanic skin effect parameterizations using shipborne radiometer data. <i>Journal of Geophysical Research</i> , 1996 , 101, 16649-16666		16
26	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> , 2001 , 28, 4543-4546	4.9	14
25	A Comparison of Sensible and Latent Heat Flux Estimates for the North Atlantic Ocean. <i>Journal of Physical Oceanography</i> , 1995 , 25, 1530-1549	2.4	14
24	The Evolving SST Record from ICOADS 2008 , 65-83		14
23	Assessing the health of the in situ global surface marine climate observing system. <i>International Journal of Climatology</i> , 2017 , 37, 2248-2259	3.5	13
22	A comparison of SSM/I-derived global marine surface-specific humidity datasets. <i>International Journal of Climatology</i> , 2015 , 35, 2359-2381	3.5	13
21	The Importance of Unresolved Biases in Twentieth-Century Sea Surface Temperature Observations. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 621-629	6.1	13
20	Intraseasonal Variability of AirSea Fluxes over the Bay of Bengal during the Southwest Monsoon. <i>Journal of Climate</i> , 2018 , 31, 7087-7109	4.4	12
19	Accuracy of Humidity Measurement on Ships: Consideration of Solar Radiation Effects. <i>Journal of Atmospheric and Oceanic Technology</i> , 1996 , 13, 1317-1321	2	12
18	The EUSTACE Project: Delivering Global, Daily Information on Surface Air Temperature. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1924-E1947	6.1	11
17	Integrating the Ocean Observing System: Mobile Platforms 2010 ,		11
16	A comparison of global marine surface-specific humidity datasets from in situ observations and atmospheric reanalysis. <i>International Journal of Climatology</i> , 2014 , 34, 355-376	3.5	10
15	The International Comprehensive Ocean-Atmosphere Data Set [Meeting Users Needs and Future Priorities. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	10

14	Measurements and models of the temperature change of water samples in sea-surface temperature buckets. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017 , 143, 2198-2209	6.4	8
13	The Effect of Successive Correction on Variability Estimates for Climatological Datasets. <i>Journal of Climate</i> , 2000 , 13, 1845-1857	4.4	8
12	Seasonal variations between sampling and classical mean turbulent heat flux estimates in the eastern North Atlantic. <i>Annales Geophysicae</i> , 1995 , 13, 1054-1064	2	8
11	Recent Change in Atmosphere. <i>Regional Climate Studies</i> , 2016 , 55-84		8
10	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2021 , 102, S11-S142	6.1	8
9	The Voluntary Observing Ship (VOS) Scheme 2010 ,		7
8	Recent Change in North Sea. <i>Regional Climate Studies</i> , 2016 , 85-136		7
7	An Estimate of Structural Uncertainty in QuikSCAT Wind Vector Retrievals. <i>Journal of Applied Meteorology and Climatology</i> , 2012 , 51, 954-961	2.7	5
6	MEETING SUMMARIES. <i>Bulletin of the American Meteorological Society</i> , 2007 , 88, 559-568	6.1	5
5	Historical Estimates of Surface Marine Temperatures. <i>Annual Review of Marine Science</i> , 2021 , 13, 283-311	5.4	5
4	CLASSmat: A global night marine air temperature data set, 1880-2019. <i>Geoscience Data Journal</i> , 2020 , 7, 170-184	2.5	3
3	Progress towards a holistic land and marine surface meteorological database and a call for additional contributions. <i>Geoscience Data Journal</i> , 2020 ,	2.5	2
2	From Observations to Forecasts Part 6. Marine meteorological observations. <i>Weather</i> , 2010 , 65, 231-238	8.9	1
1	Accounting for random errors in linear regression: A practical guide. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1999 , 125, 2789-2790	6.4	1