

Margaret j Yelland

List of Publications by Year in descending order

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44
papers

2,085
citations

304368

22
h-index

288905

40
g-index

49
all docs

49
docs citations

49
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	Ship-based estimates of momentum transfer coefficient over sea ice and recommendations for its parameterization. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4763-4778.	1.9	7
2	Wind, Convection and Fetch Dependence of Gas Transfer Velocity in an Arctic Sea Ice Lead Determined From Eddy Covariance CO_2 Flux Measurements. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006633.	1.9	14
3	Natural variability in air-sea gas transfer efficiency of CO_2 . <i>Scientific Reports</i> , 2021, 11, 13584.	1.6	14
4	Novel use of social media to assess and improve coastal flood forecasts and hazard alerts. <i>Scientific Reports</i> , 2021, 11, 13727.	1.6	10
5	Surface Heat and Moisture Exchange in the Marginal Ice Zone: Observations and a New Parameterization Scheme for Weather and Climate Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034827.	1.2	13
6	Key Uncertainties in the Recent Air-Sea Flux of CO_2 . <i>Global Biogeochemical Cycles</i> , 2019, 33, 1548-1563.	1.9	54
7	The Average Shape of Large Waves in the Norwegian Sea: Is Non-Linear Physics Important?. , 2019, , .		0
8	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.	1.0	8
9	Comparison of two closed-path cavity-based spectrometers for measuring air-water CO_2 and CH_4 fluxes by eddy covariance. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5509-5522.	1.2	20
10	Smart electronics for high accuracy wave height measurements in the open ocean. , 2016, , .		2
11	Air-sea fluxes of CO_2 and CH_4 from the Penlee Point Atmospheric Observatory on the south-west coast of the UK. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5745-5761.	1.9	22
12	Motion-correlated flow distortion and wave-induced biases in air-sea flux measurements from ships. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10619-10629.	1.9	25
13	Wave height analysis from 10 years of observations in the Norwegian Sea. <i>Continental Shelf Research</i> , 2014, 72, 47-56.	0.9	21
14	Changes in significant and maximum wave heights in the Norwegian Sea. <i>Global and Planetary Change</i> , 2014, 113, 68-76.	1.6	14
15	Near-surface measurements of sea spray aerosol production over whitecaps in the open ocean. <i>Ocean Science</i> , 2013, 9, 133-145.	1.3	37
16	A Spar Buoy for High-Frequency Wave Measurements and Detection of Wave Breaking in the Open Ocean. <i>Journal of Atmospheric and Oceanic Technology</i> , 2011, 28, 590-605.	0.5	27
17	Uncertainties in wind speed dependent CO_2 transfer velocities due to airflow distortion at anemometer sites on ships. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5123-5133.	1.9	13
18	Linearity of DMS transfer coefficient with both friction velocity and wind speed in the moderate wind speed range. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	35

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19	Direct measurements of the CO ₂ flux over the ocean: Development of a novel method. Geophysical Research Letters, 2010, 37, .	1.5	38
20	Correction to "Direct measurements of the CO ₂ flux over the ocean: Development of a novel method". Geophysical Research Letters, 2010, 37, n/a-n/a.	1.5	0
21	Open ocean gas transfer velocity derived from long-term direct measurements of the CO ₂ flux. Geophysical Research Letters, 2010, 37, .	1.5	26
22	AutoFlux: an autonomous system for the direct measurement of the air-sea fluxes of CO ₂ , heat and momentum. Journal of Operational Oceanography, 2009, 2, 15-23.	0.6	33
23	Physical Exchanges at the Air-Sea Interface: UK "SOLAS Field Measurements. Bulletin of the American Meteorological Society, 2009, 90, 629-644.	1.7	52
24	Supplement to Physical Exchanges at the Air-Sea Interface: UK "SOLAS Field Measurements. Bulletin of the American Meteorological Society, 2009, 90, ES9-ES16.	1.7	5
25	Going with the flow: state of the art marine meteorological measurements on the new NERC research vessel. Weather, 2008, 63, 158-159.	0.6	8
26	Sensors for physical fluxes at the sea surface: energy, heat, water, salt. Ocean Science, 2008, 4, 247-263.	1.3	34
27	Were extreme waves in the Rockall Trough the largest ever recorded?. Geophysical Research Letters, 2006, 33, .	1.5	54
28	Quantifying the Airflow Distortion over Merchant Ships. Part II: Application of the Model Results. Journal of Atmospheric and Oceanic Technology, 2006, 23, 351-360.	0.5	31
29	Quantifying the Airflow Distortion over Merchant Ships. Part I: Validation of a CFD Model. Journal of Atmospheric and Oceanic Technology, 2006, 23, 341-350.	0.5	26
30	Parameterizing the Sea Surface Roughness. Journal of Physical Oceanography, 2005, 35, 835-848.	0.7	158
31	An overview of the airflow distortion at anemometer sites on ships. International Journal of Climatology, 2005, 25, 997-1006.	1.5	40
32	On Detection of a Wave Age Dependency for the Sea Surface Roughness. Journal of Physical Oceanography, 2004, 34, 1441-1458.	0.7	36
33	A new formula for determining the atmospheric longwave flux at the ocean surface at mid-high latitudes. Journal of Geophysical Research, 2003, 108, .	3.3	46
34	On the Accuracy of Ocean Winds and Wind Stress " An Emperical Assesment. , 2003, , 34-45.		0
35	Statistical Comparisons of Observed and ECMWF Modeled Open Ocean Surface Drag. Journal of Physical Oceanography, 2002, 32, 1010-1027.	0.7	18
36	CFD Model Estimates of the Airflow Distortion over Research Ships and the Impact on Momentum Flux Measurements. Journal of Atmospheric and Oceanic Technology, 2002, 19, 1477-1499.	0.5	73

#	ARTICLE	IF	CITATIONS
37	The Dependence of Sea Surface Roughness on the Height and Steepness of the Waves. Journal of Physical Oceanography, 2001, 31, 572-590.	0.7	396
38	Comments on "On the Effect of Ocean Waves on the Kinetic Energy Balance and Consequences for the Inertial Dissipation Technique". Journal of Physical Oceanography, 2001, 31, 2532-2536.	0.7	18
39	An Evaluation of Some Recent Batches of IAPSO Standard Seawater. Journal of Atmospheric and Oceanic Technology, 2000, 17, 854-861.	0.5	11
40	On the Apparent "Imbalance" Term in the Turbulent Kinetic Energy Budget. Journal of Atmospheric and Oceanic Technology, 2000, 17, 82-89.	0.5	28
41	Effect of Pulse Averaging on Sonic Anemometer Spectra. Journal of Atmospheric and Oceanic Technology, 1999, 16, 181-184.	0.5	12
42	Wind Stress Measurements from the Open Ocean Corrected for Airflow Distortion by the Ship. Journal of Physical Oceanography, 1998, 28, 1511-1526.	0.7	201
43	Wind Stress Measurements from the Open Ocean. Journal of Physical Oceanography, 1996, 26, 541-558.	0.7	353
44	The Use of the Inertial Dissipation Technique for Shipboard Wind Stress Determination. Journal of Atmospheric and Oceanic Technology, 1994, 11, 1093-1108.	0.5	49