Carol Anne Clayson

List of Publications by Year
in descending order

30 papers	2,387 citations	471509 17 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	3894 citing authors

#	Article	IF	Citations
1	Super Sites for Advancing Understanding of the Oceanic and Atmospheric Boundary Layers. Marine Technology Society Journal, 2021, 55, 144-145.	0.4	1
2	FluxSat: Measuring the Oceanâ€“Atmosphere Turbulent Exchange of Heat and Moisture from Space. Remote Sensing, 2020, 12, 1796.	4.0	17
3	Uncertainties in Ocean Latent Heat Flux Variations over Recent Decades in Satellite-Based Estimates and Reduced Observation Reanalyses. Journal of Climate, 2020, 33, 8415-8437.	3.2	16
4	Diurnal Surface Flux Variability Over Western Boundary Currents. Geophysical Research Letters, 2019, 46, 9174-9182.	4.0	9
5	Improving Nearâ€Surface Retrievals of Surface Humidity Over the Global Open Oceans From Passive Microwave Observations. Earth and Space Science, 2019, 6, 1220-1233.	2.6	9
6	Effects of Rainfall on the Atmosphere and the Ocean During SPURS-2. Oceanography, 2019, 32, 86-97.	1.0	26
7	Effects of mesoscale eddies in the active mixed layer: test of the parametrisation in eddy resolving simulations. Geophysical and Astrophysical Fluid Dynamics, 2015, 109, 281-310.	1.2	7
8	The Observed State of the Water Cycle in the Early Twenty-First Century. Journal of Climate, 2015, 28, 8289-8318.	3.2	230
9	The Observed State of the Energy Budget in the Early Twenty-First Century. Journal of Climate, 2015, 28, 8319-8346.	3.2	160
10	Sensitivity of infrared sea surface temperature retrievals to the vertical distribution of airborne dust aerosol. Remote Sensing of Environment, 2015, 159, 1-13.	11.0	18
11	The Effect of Diurnal Sea Surface Temperature Warming on Climatological Airâ€“Sea Fluxes. Journal of Climate, 2013, 26, 2546-2556.	3.2	77
12	High-Latitude Ocean and Sea Ice Surface Fluxes: Challenges for Climate Research. Bulletin of the American Meteorological Society, 2013, 94, 403-423.	3.3	137
13	An update on Earth's energy balance in light of the latest global observations. Nature Geoscience, 2012, 5, 691-696.	12.9	703
14	High-Resolution Satellite Surface Latent Heat Fluxes in North Atlantic Hurricanes. Monthly Weather Review, 2011, 139, 2735-2747.	1.4	21
15	Predicting nearâ€surface atmospheric variables from Special Sensor Microwave/Imager using neural networks with a firstâ€guess approach. Journal of Geophysical Research, 2010, 115, .	3.3	61
16	Space-time structures of earthquakes. Meteorology and Atmospheric Physics, 2009, 105, 69-83.	2.0	1
17	Downwelling and upwelling regimes: Connections between surface fronts and abyssal circulation. Dynamics of Atmospheres and Oceans, 2008, 45, 165-186.	1.8	4
18	On Turbulence and Mixing in the Free Atmosphere Inferred from High-Resolution Soundings. Journal of Atmospheric and Oceanic Technology, 2008, 25, 833-852.	1.3	114

#	Article	IF	Citations
19	Investigating the Utility of Using Cross-Oceanic Training Sets for Superensemble Forecasting of Eastern Pacific Tropical Cyclone Track and Intensity. Weather and Forecasting, 2008, 23, 516-522.	1.4	1
20	Evaluating the Usefulness of a New Set of Hurricane Classification Indices. Monthly Weather Review, 2008, 136, 5234-5238.	1.4	12
21	Variability of Tropical Diurnal Sea Surface Temperature*. Journal of Climate, 2007, 20, 334-352.	3.2	64
22	Seasonal Prediction of Sea Surface Temperature Anomalies Using a Suite of 13 Coupled Atmosphereâ€“Ocean Models. Journal of Climate, 2006, 19, 6069-6088.	3.2	43
23	SEAFLUX. Bulletin of the American Meteorological Society, 2004, 85, 409-424.	3.3	120
24	On the effect of surface gravity waves on mixing in the oceanic mixed layer. Ocean Modelling, 2004, 6, 101-124.	2.4	187
25	2â€“3-Day Convective Variability in the Tropical Western Pacific. Monthly Weather Review, 2002, 130, 529-548.	1.4	16
26	Sensitivity of a Coupled Single-Column Model in the Tropics to Treatment of the Interfacial Parameterizations. Journal of Climate, 2002, 15, 1805-1831.	3.2	25
27	Statistical Properties of Episodes of Enhanced 2â€“3-Day Convection in the Indian and Pacific Oceans. Journal of Climate, 2001, 14, 3482-3494.	3.2	8
28	High-Resolution Satellite-Derived Dataset of the Surface Fluxes of Heat, Freshwater, and Momentum for the TOGA COARE IOP. Bulletin of the American Meteorological Society, 1999, 80, 2059-2080.	3.3	41
29	Turbulent Kinetic Energy and Its Dissipation Rate in the Equatorial Mixed Layer. Journal of Physical Oceanography, 1999, 29, 2146-2166.	1.7	23
30	Clouds, Radiation, and the Diurnal Cycle of Sea Surface Temperature in the Tropical Western Pacific. Journal of Climate, 1996, 9, 1712-1730.	3.2	236