

Carol Anne Clayson

List of Publications by Year in descending order

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Version: 2024-02-01

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	An update on Earth's energy balance in light of the latest global observations. <i>Nature Geoscience</i> , 2012, 5, 691-696.	12.9	703
2	Clouds, Radiation, and the Diurnal Cycle of Sea Surface Temperature in the Tropical Western Pacific. <i>Journal of Climate</i> , 1996, 9, 1712-1730.	3.2	236
3	The Observed State of the Water Cycle in the Early Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 8289-8318.	3.2	230
4	On the effect of surface gravity waves on mixing in the oceanic mixed layer. <i>Ocean Modelling</i> , 2004, 6, 101-124.	2.4	187
5	The Observed State of the Energy Budget in the Early Twenty-First Century. <i>Journal of Climate</i> , 2015, 28, 8319-8346.	3.2	160
6	High-Latitude Ocean and Sea Ice Surface Fluxes: Challenges for Climate Research. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 403-423.	3.3	137
7	SEAFLUX. <i>Bulletin of the American Meteorological Society</i> , 2004, 85, 409-424.	3.3	120
8	On Turbulence and Mixing in the Free Atmosphere Inferred from High-Resolution Soundings. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 833-852.	1.3	114
9	The Effect of Diurnal Sea Surface Temperature Warming on Climatological Air-Sea Fluxes. <i>Journal of Climate</i> , 2013, 26, 2546-2556.	3.2	77
10	Variability of Tropical Diurnal Sea Surface Temperature*. <i>Journal of Climate</i> , 2007, 20, 334-352.	3.2	64
11	Predicting near-surface atmospheric variables from Special Sensor Microwave/Imager using neural networks with a first-guess approach. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61
12	Seasonal Prediction of Sea Surface Temperature Anomalies Using a Suite of 13 Coupled Atmosphere-Ocean Models. <i>Journal of Climate</i> , 2006, 19, 6069-6088.	3.2	43
13	High-Resolution Satellite-Derived Dataset of the Surface Fluxes of Heat, Freshwater, and Momentum for the TOGA COARE IOP. <i>Bulletin of the American Meteorological Society</i> , 1999, 80, 2059-2080.	3.3	41
14	Effects of Rainfall on the Atmosphere and the Ocean During SPURS-2. <i>Oceanography</i> , 2019, 32, 86-97.	1.0	26
15	Sensitivity of a Coupled Single-Column Model in the Tropics to Treatment of the Interfacial Parameterizations. <i>Journal of Climate</i> , 2002, 15, 1805-1831.	3.2	25
16	Turbulent Kinetic Energy and Its Dissipation Rate in the Equatorial Mixed Layer. <i>Journal of Physical Oceanography</i> , 1999, 29, 2146-2166.	1.7	23
17	High-Resolution Satellite Surface Latent Heat Fluxes in North Atlantic Hurricanes. <i>Monthly Weather Review</i> , 2011, 139, 2735-2747.	1.4	21
18	Sensitivity of infrared sea surface temperature retrievals to the vertical distribution of airborne dust aerosol. <i>Remote Sensing of Environment</i> , 2015, 159, 1-13.	11.0	18

#	ARTICLE	IF	CITATIONS
19	FluxSat: Measuring the Ocean's Atmosphere Turbulent Exchange of Heat and Moisture from Space. <i>Remote Sensing</i> , 2020, 12, 1796.	4.0	17
20	2-3-Day Convective Variability in the Tropical Western Pacific. <i>Monthly Weather Review</i> , 2002, 130, 529-548.	1.4	16
21	Uncertainties in Ocean Latent Heat Flux Variations over Recent Decades in Satellite-Based Estimates and Reduced Observation Reanalyses. <i>Journal of Climate</i> , 2020, 33, 8415-8437.	3.2	16
22	Evaluating the Usefulness of a New Set of Hurricane Classification Indices. <i>Monthly Weather Review</i> , 2008, 136, 5234-5238.	1.4	12
23	Diurnal Surface Flux Variability Over Western Boundary Currents. <i>Geophysical Research Letters</i> , 2019, 46, 9174-9182.	4.0	9
24	Improving Near-Surface Retrievals of Surface Humidity Over the Global Open Oceans From Passive Microwave Observations. <i>Earth and Space Science</i> , 2019, 6, 1220-1233.	2.6	9
25	Statistical Properties of Episodes of Enhanced 2-3-Day Convection in the Indian and Pacific Oceans. <i>Journal of Climate</i> , 2001, 14, 3482-3494.	3.2	8
26	Effects of mesoscale eddies in the active mixed layer: test of the parametrisation in eddy resolving simulations. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2015, 109, 281-310.	1.2	7
27	Downwelling and upwelling regimes: Connections between surface fronts and abyssal circulation. <i>Dynamics of Atmospheres and Oceans</i> , 2008, 45, 165-186.	1.8	4
28	Investigating the Utility of Using Cross-Oceanic Training Sets for Superensemble Forecasting of Eastern Pacific Tropical Cyclone Track and Intensity. <i>Weather and Forecasting</i> , 2008, 23, 516-522.	1.4	1
29	Space-time structures of earthquakes. <i>Meteorology and Atmospheric Physics</i> , 2009, 105, 69-83.	2.0	1
30	Super Sites for Advancing Understanding of the Oceanic and Atmospheric Boundary Layers. <i>Marine Technology Society Journal</i> , 2021, 55, 144-145.	0.4	1