Seth D Underwood

List of Publications by Year
in descending order

26 papers	2,306 citations	361413 20 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	2692 citing authors

#	Article	IF	Citations
1	On the Seasonal Forecasting of Regional Tropical Cyclone Activity. Journal of Climate, 2014, 27, 7994-8016.	3.2	340
2	The GFDL Earth System Model Version 4.1 (GFDLâ€€SM 4.1): Overall Coupled Model Description and Simulation Characteristics. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002015.	3.8	277
3	Structure and Performance of GFDL's CM4.0 Climate Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 3691-3727.	3.8	242
4	Simulation and Prediction of Category 4 and 5 Hurricanes in the High-Resolution GFDL HiFLOR Coupled Climate Model*. Journal of Climate, 2015, 28, 9058-9079.	3.2	181
5	Projected Response of Tropical Cyclone Intensity and Intensification in a Global Climate Model. Journal of Climate, 2018, 31, 8281-8303.	3.2	163
6	Improved Seasonal Prediction of Temperature and Precipitation over Land in a High-Resolution GFDL Climate Model. Journal of Climate, 2015, 28, 2044-2062.	3.2	141
7	Increasing frequency of extremely severe cyclonic storms over the Arabian Sea. Nature Climate Change, 2017, 7, 885-889.	18.8	132
8	Tropical cyclone sensitivities to CO2 doubling: roles of atmospheric resolution, synoptic variability and background climate changes. Climate Dynamics, 2019, 53, 5999-6033.	3.8	114
9	SPEAR: The Next Generation GFDL Modeling System for Seasonal to Multidecadal Prediction and Projection. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001895.	3.8	94
10	Dominant Role of Subtropical Pacific Warming in Extreme Eastern Pacific Hurricane Seasons: 2015 and the Future. Journal of Climate, 2017, 30, 243-264.	3.2	79
11	The Resolution Dependence of Contiguous U.S. Precipitation Extremes in Response to CO2 Forcing. Journal of Climate, 2016, 29, 7991-8012.	3.2	74
12	Seasonal Predictability of Extratropical Storm Tracks in GFDLâ€™s High-Resolution Climate Prediction Model. Journal of Climate, 2015, 28, 3592-3611.	3.2	71
13	Improved Simulation of Tropical Cyclone Responses to ENSO in the Western North Pacific in the High-Resolution GFDL HiFLOR Coupled Climate Model*. Journal of Climate, 2016, 29, 1391-1415.	3.2	69
14	Seasonal Forecasts of Major Hurricanes and Landfalling Tropical Cyclones using a High-Resolution GFDL Coupled Climate Model. Journal of Climate, 2016, 29, 7977-7989.	3.2	64
15	Seasonal Prediction Skill of Northern Extratropical Surface Temperature Driven by the Stratosphere. Journal of Climate, 2017, 30, 4463-4475.	3.2	37
16	The Roles of Radiative Forcing, Sea Surface Temperatures, and Atmospheric and Land Initial Conditions in U.S. Summer Warming Episodes. Journal of Climate, 2016, 29, 4121-4135.	3.2	36
17	The Impact of Horizontal Resolution on North American Monsoon Gulf of California Moisture Surges in a Suite of Coupled Global Climate Models. Journal of Climate, 2016, 29, 7911-7936.	3.2	32
18	Potential for western US seasonal snowpack prediction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1180-1185.	7.1	30

#	Article	IF	Citations
19	Climate Impacts From Large Volcanic Eruptions in a High‑Resolution Climate Model: The Importance of Forcing Structure. Geophysical Research Letters, 2019, 46, 7690-7699.	4.0	28
20	Causes and Probability of Occurrence of Extreme Precipitation Events like Chennai 2015. Journal of Climate, 2018, 31, 3831-3848.	3.2	21
21	Improved Simulations of Tropical Pacific Annual‑Mean Climate in the GFDL FLOR and HiFLOR Coupled GCMs. Journal of Advances in Modeling Earth Systems, 2018, 10, 3176-3220.	3.8	20
22	Extreme North America Winter Storm Season of 2013/14: Roles of Radiative Forcing and the Global Warming Hiatus. Bulletin of the American Meteorological Society, 2015, 96, S25-S28.	3.3	17
23	On the seasonal prediction of the western United States El NiÃ±o precipitation pattern during the 2015/16 winter. Climate Dynamics, 2018, 51, 3765-3783.	3.8	17
24	On the Development of GFDL's Decadal Prediction System: Initialization Approaches and Retrospective Forecast Assessment. Journal of Advances in Modeling Earth Systems, 2021, 13, .	3.8	14
25	Impact of having realistic tropical cyclone frequency on ocean heat content and transport forecasts in a high‑resolution coupled model. Geophysical Research Letters, 2015, 42, 5966-5973.	4.0	9
26	Magnetic and electrical characterization of heavily boron-doped diamond. Materials Characterization, 2003, 51, 329-333.	4.4	4