

Michelle L'Heureux

List of Publications by Year in descending order

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46
papers

3,545
citations

218677

26
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

4142
citing authors

#	ARTICLE	IF	CITATIONS
1	Skill of Real-Time Seasonal ENSO Model Predictions during 2002-11: Is Our Capability Increasing?. Bulletin of the American Meteorological Society, 2012, 93, 631-651.	3.3	513
2	Observed Relationships between the El Niño-Southern Oscillation and the Extratropical Zonal-Mean Circulation. Journal of Climate, 2006, 19, 276-287.	3.2	383
3	Influence of high-latitude atmospheric circulation changes on summertime Arctic sea ice. Nature Climate Change, 2017, 7, 289-295.	18.8	290
4	Observing and Predicting the 2015/16 El Niño. Bulletin of the American Meteorological Society, 2017, 98, 1363-1382.	3.3	253
5	Recent multidecadal strengthening of the Walker circulation across the tropical Pacific. Nature Climate Change, 2013, 3, 571-576.	18.8	233
6	Weakened Interannual Variability in the Tropical Pacific Ocean since 2000. Journal of Climate, 2013, 26, 2601-2613.	3.2	132
7	Boreal Winter Links between the Madden-Julian Oscillation and the Arctic Oscillation. Journal of Climate, 2008, 21, 3040-3050.	3.2	131
8	The impact of the MJO on clusters of wintertime circulation anomalies over the North American region. Climate Dynamics, 2013, 40, 1749-1766.	3.8	124
9	Fingerprints of internal drivers of Arctic sea ice loss in observations and model simulations. Nature Geoscience, 2019, 12, 28-33.	12.9	121
10	Deterministic skill of ENSO predictions from the North American Multimodel Ensemble. Climate Dynamics, 2019, 53, 7215-7234.	3.8	120
11	A composite study of the MJO influence on the surface air temperature and precipitation over the Continental United States. Climate Dynamics, 2012, 38, 1459-1471.	3.8	106
12	Role of the Pacific-North American (PNA) pattern in the 2007 Arctic sea ice decline. Geophysical Research Letters, 2008, 35, .	4.0	98
13	Linear trends in sea surface temperature of the tropical Pacific Ocean and implications for the El Niño-Southern Oscillation. Climate Dynamics, 2013, 40, 1223-1236.	3.8	93
14	Ranking the strongest ENSO events while incorporating SST uncertainty. Geophysical Research Letters, 2016, 43, 9165-9172.	4.0	84
15	Skillful Wintertime North American Temperature Forecasts out to 4 Weeks Based on the State of ENSO and the MJO*. Weather and Forecasting, 2014, 29, 23-38.	1.4	79
16	The Interdecadal Shift of ENSO Properties in 1999/2000: A Review. Journal of Climate, 2020, 33, 4441-4462.	3.2	71
17	Characterizing ENSO Coupled Variability and Its Impact on North American Seasonal Precipitation and Temperature*. Journal of Climate, 2015, 28, 4231-4245.	3.2	59
18	ENSO prediction one year in advance using western North Pacific sea surface temperatures. Geophysical Research Letters, 2012, 39, .	4.0	57

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19	Are tropical SST trends changing the global teleconnection during La Niña?. Geophysical Research Letters, 2010, 37, .	4.0	52
20	Are Greenhouse Gases Changing ENSO Precursors in the Western North Pacific?*. Journal of Climate, 2013, 26, 6309-6322.	3.2	48
21	Unusual extremes in the negative phase of the Arctic Oscillation during 2009. Geophysical Research Letters, 2010, 37, .	4.0	45
22	Defining El Niño indices in a warming climate. Environmental Research Letters, 2021, 16, 044003.	5.2	44
23	How Tropical Pacific Surface Cooling Contributed to Accelerated Sea Ice Melt from 2007 to 2012 as Ice Is Thinned by Anthropogenic Forcing. Journal of Climate, 2019, 32, 8583-8602.	3.2	41
24	The Predictors and Forecast Skill of Northern Hemisphere Teleconnection Patterns for Lead Times of 3-4 Weeks. Monthly Weather Review, 2017, 145, 2855-2877.	1.4	35
25	Assessing probabilistic predictions of ENSO phase and intensity from the North American Multimodel Ensemble. Climate Dynamics, 2019, 53, 7497-7518.	3.8	35
26	Predictable Components of ENSO Evolution in Real-time Multi-Model Predictions. Scientific Reports, 2016, 6, 35909.	3.3	33
27	Atmospheric circulation influences on seasonal precipitation patterns in Alaska during the latter 20th century. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	27
28	Why Did Large Differences Arise in the Sea Surface Temperature Datasets across the Tropical Pacific during 2012?. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2944-2953.	1.3	27
29	A Decade of the North American Multimodel Ensemble (NMME): Research, Application, and Future Directions. Bulletin of the American Meteorological Society, 2022, 103, E973-E995.	3.3	24
30	Strong Relations Between ENSO and the Arctic Oscillation in the North American Multimodel Ensemble. Geophysical Research Letters, 2017, 44, 11,654.	4.0	20
31	Skill of Real-Time Seasonal ENSO Model Predictions During 2002-11: Is Our Capability Increasing?. Bulletin of the American Meteorological Society, 2012, 93, ES48-ES50.	3.3	19
32	Low-dimensional representations of Niño 3.4 evolution and the spring persistence barrier. Npj Climate and Atmospheric Science, 2020, 3, .	6.8	16
33	On the Delayed Coupling Between Ocean and Atmosphere in Recent Weak El Niño Episodes. Geophysical Research Letters, 2019, 46, 11416-11425.	4.0	15
34	How Significant Was the 1877/78 El Niño?. Journal of Climate, 2020, 33, 4853-4869.	3.2	15
35	An Assessment of Errors in the Simulation of Atmospheric Interannual Variability in Uncoupled AGCM Simulations. Journal of Climate, 2008, 21, 2204-2217.	3.2	11
36	Prediction Challenges From Errors in Tropical Pacific Sea Surface Temperature Trends. Frontiers in Climate, 2022, 4, .	2.8	11

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37	Strength Outlooks for the El Niño Southern Oscillation. <i>Weather and Forecasting</i> , 2019, 34, 165-175.	1.4	10
38	Skill of Seasonal Arctic Sea Ice Extent Predictions Using the North American Multimodel Ensemble. <i>Journal of Climate</i> , 2019, 32, 623-638.	3.2	10
39	Excessive Momentum and False Alarms in Late Spring ENSO Forecasts. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087008.	4.0	9
40	Sources of Subseasonal Skill and Predictability in Wintertime California Precipitation Forecasts. <i>Weather and Forecasting</i> , 2021, 36, 1815-1826.	1.4	7
41	The relative roles of decadal climate variations and changes in the ocean observing system on seasonal prediction skill of tropical Pacific SST. <i>Climate Dynamics</i> , 2021, 56, 3045-3063.	3.8	6
42	Sources of Bias in the Monthly CFSv2 Forecast Climatology. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1111-1122.	1.5	4
43	The Tropics. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S185-S238.	3.3	4
44	Reply to "Comment on "Characterizing ENSO Coupled Variability and Its Impact on North American Seasonal Precipitation and Temperature". <i>Journal of Climate</i> , 2017, 30, 437-441.	3.2	3
45	The Tropics. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S199-S262.	3.3	1
46	Correction to "Are tropical SST trends changing the global teleconnection during La Niña?". <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	0