

Hai Lin

List of Publications by Year in descending order

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119
papers

4,738
citations

126907

33
h-index

114465

63
g-index

125
all docs

125
docs citations

125
times ranked

3277
citing authors

#	ARTICLE	IF	CITATIONS
1	The Subseasonal to Seasonal (S2S) Prediction Project Database. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 163-173.	3.3	617
2	Vertical structure and physical processes of the Madden-Julian oscillation: Exploring key model physics in climate simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4718-4748.	3.3	332
3	An Observed Connection between the North Atlantic Oscillation and the Madden-Julian Oscillation. <i>Journal of Climate</i> , 2009, 22, 364-380.	3.2	290
4	Review of Tropical-Extratropical Teleconnections on Intraseasonal Time Scales. <i>Reviews of Geophysics</i> , 2017, 55, 902-937.	23.0	227
5	A Framework for Assessing Operational Madden-Julian Oscillation Forecasts. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 1247-1258.	3.3	202
6	Forecast Skill of the Madden-Julian Oscillation in Two Canadian Atmospheric Models. <i>Monthly Weather Review</i> , 2008, 136, 4130-4149.	1.4	164
7	The Subseasonal Experiment (SubX): A Multimodel Subseasonal Prediction Experiment. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 2043-2060.	3.3	153
8	Contribution of the Autumn Tibetan Plateau Snow Cover to Seasonal Prediction of North American Winter Temperature. <i>Journal of Climate</i> , 2011, 24, 2801-2813.	3.2	111
9	Fifty Years of Research on the Madden-Julian Oscillation: Recent Progress, Challenges, and Perspectives. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030911.	3.3	106
10	The Influence of the Madden-Julian Oscillation on Canadian Wintertime Surface Air Temperature. <i>Monthly Weather Review</i> , 2009, 137, 2250-2262.	1.4	95
11	Global Extratropical Response to Diabatic Heating Variability of the Asian Summer Monsoon. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 2697-2713.	1.7	91
12	Impact of the Madden-Julian Oscillation on Wintertime Precipitation in Canada. <i>Monthly Weather Review</i> , 2010, 138, 3822-3839.	1.4	91
13	Another look at influences of the Madden-Julian Oscillation on the wintertime East Asian weather. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	76
14	Impact of the Madden-Julian Oscillation on the intraseasonal forecast skill of the North Atlantic Oscillation. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	57
15	Intraseasonal Variability in a Dry Atmospheric Model. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 2422-2441.	1.7	55
16	Evaluation of Northern Hemisphere Blocking Climatology in the Global Environment Multiscale Model. <i>Monthly Weather Review</i> , 2013, 141, 707-727.	1.4	51
17	The Canadian Seasonal to Interannual Prediction System Version 2 (CanSIPSv2). <i>Weather and Forecasting</i> , 2020, 35, 1317-1343.	1.4	50
18	Potential influence of the November-December Southern Hemisphere annular mode on the East Asian winter precipitation: a new mechanism. <i>Climate Dynamics</i> , 2015, 44, 1215-1226.	3.8	46

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19	Nonlinearity of the Extratropical Response to Tropical Forcing. <i>Journal of Climate</i> , 2004, 17, 2597-2608.	3.2	44
20	The Extratropical Signal Generated by a Midlatitude SST Anomaly. Part I: Sensitivity at Equilibrium. <i>Journal of Climate</i> , 2001, 14, 2035-2053.	3.2	43
21	Seasonal Forecasting with a Simple General Circulation Model: Predictive Skill in the AO and PNA. <i>Journal of Climate</i> , 2005, 18, 597-609.	3.2	43
22	Measuring the potential predictability of ensemble climate predictions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	43
23	The Nonlinear Transient Atmospheric Response to Tropical Forcing. <i>Journal of Climate</i> , 2007, 20, 5642-5665.	3.2	40
24	Heat wave frequency variability over North America: Two distinct leading modes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
25	The influence of tropical Pacific forcing on the Arctic Oscillation. <i>Climate Dynamics</i> , 2009, 32, 495-509.	3.8	39
26	Contribution of Tibetan Plateau Snow Cover to the Extreme Winter Conditions of 2009/10. <i>Atmosphere - Ocean</i> , 2012, 50, 86-94.	1.6	39
27	The changing relationship between ENSO and its extratropical response patterns. <i>Scientific Reports</i> , 2019, 9, 6507.	3.3	39
28	Monitoring and Predicting the Intraseasonal Variability of the East Asianâ€“Western North Pacific Summer Monsoon. <i>Monthly Weather Review</i> , 2013, 141, 1124-1138.	1.4	38
29	Sub-seasonal prediction over East Asia during boreal summer using the ECCO monthly forecasting system. <i>Climate Dynamics</i> , 2018, 50, 1007-1022.	3.8	38
30	Extratropical Response to the MJO: Nonlinearity and Sensitivity to the Initial State. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 219-234.	1.7	38
31	Subseasonal Variability of Precipitation in China during Boreal Winter. <i>Journal of Climate</i> , 2015, 28, 6548-6559.	3.2	37
32	Experimental Subseasonalâ€“Seasonal (S2S) Forecasting of Atmospheric Rivers Over the Western United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11242-11265.	3.3	36
33	The 2021 Western North American Heatwave and Its Subseasonal Predictions. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	36
34	Tropicalâ€“Extratropical Interactions of Intraseasonal Oscillations. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 3180-3197.	1.7	35
35	Tropical Pacific link to the two dominant patterns of atmospheric variability. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	34
36	Subseasonal Prediction of Wintertime North American Surface Air Temperature during Strong MJO Events. <i>Monthly Weather Review</i> , 2013, 141, 2897-2909.	1.4	34

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37	GEPS-Based Monthly Prediction at the Canadian Meteorological Centre. <i>Monthly Weather Review</i> , 2016, 144, 4867-4883.	1.4	33
38	Tropical Atmospheric Forcing of the Wintertime North Atlantic Oscillation. <i>Journal of Climate</i> , 2016, 29, 1755-1772.	3.2	32
39	The Environment Canada Pan and Parapan American Science Showcase Project. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 921-953.	3.3	31
40	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <i>Geoscientific Model Development</i> , 2021, 14, 4465-4494.	3.6	31
41	A connection between the tropical Pacific Ocean and the winter climate in the Asian-Pacific region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 430-448.	3.3	30
42	The Asian-Bering-North American teleconnection: seasonality, maintenance, and climate impact on North America. <i>Climate Dynamics</i> , 2018, 50, 2023-2038.	3.8	30
43	Impact of the North Atlantic Oscillation on the forecast skill of the Madden-Julian Oscillation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	29
44	Tropical links of the Arctic Oscillation. <i>Geophysical Research Letters</i> , 2002, 29, 4-1-4-4.	4.0	28
45	Predicting the Dominant Patterns of Subseasonal Variability of Wintertime Surface Air Temperature in Extratropical Northern Hemisphere. <i>Geophysical Research Letters</i> , 2018, 45, 4381-4389.	4.0	28
46	Systematic Errors in Weather and Climate Models: Nature, Origins, and Ways Forward. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, ES67-ES70.	3.3	28
47	Interdecadal variability of the ENSO-North Atlantic Oscillation connection in boreal summer. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1668-1675.	2.7	27
48	Monitoring early-flood season intraseasonal oscillations and persistent heavy rainfall in South China. <i>Climate Dynamics</i> , 2016, 47, 3845-3861.	3.8	27
49	The interdecadal change of the leading mode of the winter precipitation over China. <i>Climate Dynamics</i> , 2016, 47, 2397-2411.	3.8	27
50	Subseasonal variability of North American wintertime surface air temperature. <i>Climate Dynamics</i> , 2015, 45, 1137-1155.	3.8	26
51	A Predictability Measure Applied to Seasonal Predictions of the Arctic Oscillation. <i>Journal of Climate</i> , 2007, 20, 4733-4750.	3.2	25
52	Modulation of the MJO-Related Teleconnections by the QBO. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12022-12033.	3.3	25
53	Changes in predictability associated with the PNA pattern. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1996, 48, 553-571.	1.7	24
54	Comparison of Wintertime North American Climate Impacts Associated with Multiple ENSO Indices. <i>Atmosphere - Ocean</i> , 2015, 53, 426-445.	1.6	24

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55	A Comparison of North American Surface Temperature and Temperature Extreme Anomalies in Association with Various Atmospheric Teleconnection Patterns. <i>Atmosphere</i> , 2019, 10, 172.	2.3	24
56	An anomalous warm-season trans-Pacific atmospheric river linked to the 2021 western North America heatwave. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	23
57	Submonthly Forecasting of Winter Surface Air Temperature in North America Based on Organized Tropical Convection. <i>Atmosphere - Ocean</i> , 2011, 49, 51-60.	1.6	22
58	Interannual variability of the Madden-Julian Oscillation and its impact on the North Atlantic Oscillation in the boreal winter. <i>Geophysical Research Letters</i> , 2015, 42, 5571-5576.	4.0	22
59	Eastern Canada Flooding 2017 and its Subseasonal Predictions. <i>Atmosphere - Ocean</i> , 2019, 57, 195-207.	1.6	22
60	Tropical/Extratropical forcing of the AO/NAO: A corrigendum. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	20
61	On the modification of the high- and low-frequency eddies associated with the PNA anomaly: an observational study. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 49, 87.	1.7	20
62	Simulating Global and North American Climate Using the Global Environmental Multiscale Model with a Variable-Resolution Modeling Approach. <i>Monthly Weather Review</i> , 2010, 138, 3967-3987.	1.4	19
63	The role of internal variability in climate change projections of North American surface air temperature and temperature extremes in CanESM2 large ensemble simulations. <i>Climate Dynamics</i> , 2020, 55, 869-885.	3.8	19
64	Comparison of the Life Cycles of the NAO Using Different Definitions. <i>Journal of Climate</i> , 2007, 20, 5992-6011.	3.2	18
65	Seasonal Forecasts of Canadian Winter Precipitation by Postprocessing GCM Integrations. <i>Monthly Weather Review</i> , 2008, 136, 769-783.	1.4	18
66	The interdecadal change of ENSO impact on wintertime East Asian climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,918.	3.3	18
67	Tropical-Mid-Latitude Interactions: Case Study of an Inland-Penetrating Atmospheric River During a Major Winter Storm Over North America. <i>Atmosphere - Ocean</i> , 2019, 57, 208-232.	1.6	18
68	The Extratropical Signal Generated by a Midlatitude SST Anomaly. Part II: Influence on Seasonal Forecasts. <i>Journal of Climate</i> , 2001, 14, 2696-2709.	3.2	17
69	Indian summer monsoon influence on the climate in the North Atlantic-European region. <i>Climate Dynamics</i> , 2012, 39, 303-311.	3.8	17
70	A New Statistical-Dynamical Downscaling Procedure Based on EOF Analysis for Regional Time Series Generation. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 935-952.	1.5	17
71	Late-July Barrier for Subseasonal Forecast of Summer Daily Maximum Temperature Over Yangtze River Basin. <i>Geophysical Research Letters</i> , 2018, 45, 12,610.	4.0	17
72	Impact of the intra-seasonal oscillation on tropical cyclone genesis over the western North Pacific. <i>International Journal of Climatology</i> , 2019, 39, 1969-1984.	3.5	17

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73	Machine Learning Models for the Seasonal Forecast of Winter Surface Air Temperature in North America. <i>Earth and Space Science</i> , 2020, 7, e2020EA001140.	2.6	17
74	Advances in the Prediction of MJO Teleconnections in the S2S Forecast Systems. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1426-E1447.	3.3	17
75	A three-year lagged correlation between the North Atlantic Oscillation and winter conditions over the North Pacific and North America. <i>Geophysical Research Letters</i> , 1998, 25, 2829-2832.	4.0	16
76	Influence of Forced Large-Scale Atmospheric Patterns on Surface Air Temperature in China. <i>Monthly Weather Review</i> , 2011, 139, 830-852.	1.4	16
77	Correction of atmospheric dynamical seasonal forecasts using the leading ocean-forced spatial patterns. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	15
78	Linkage between Interannual Variation of the East Asian Intraseasonal Oscillation and Mei-Yu Onset. <i>Journal of Climate</i> , 2019, 32, 145-160.	3.2	15
79	Subseasonal Forecast Skill over the Northern Polar Region in Boreal Winter. <i>Journal of Climate</i> , 2020, 33, 1935-1951.	3.2	15
80	Season-Dependent Forecast Skill of the Leading Forced Atmospheric Circulation Pattern over the North Pacific and North American Region*. <i>Journal of Climate</i> , 2012, 25, 7248-7265.	3.2	14
81	The Influence of Tropical Pacific SST Anomaly on Surface Air Temperature in China. <i>Journal of Climate</i> , 2014, 27, 1425-1444.	3.2	14
82	Interdecadal change in the Northern Hemisphere seasonal climate prediction skill: part I. The leading forced mode of atmospheric circulation. <i>Climate Dynamics</i> , 2014, 43, 1595-1609.	3.8	14
83	Modification of the wintertime Pacificâ€œNorth American pattern related North American climate anomalies by the Asianâ€œBeringâ€œNorth American teleconnection. <i>Climate Dynamics</i> , 2019, 53, 313-328.	3.8	14
84	The Leading Intraseasonal Variability Mode of Wintertime Surface Air Temperature over the North American Sector. <i>Journal of Climate</i> , 2020, 33, 9287-9306.	3.2	14
85	Improving Seasonal Forecast Skill of North American Surface Air Temperature in Fall Using a Postprocessing Method. <i>Monthly Weather Review</i> , 2010, 138, 1843-1857.	1.4	13
86	Dominant Modes of Subseasonal Variability of East Asian Summertime Surface Air Temperature and Their Predictions. <i>Journal of Climate</i> , 2018, 31, 2729-2743.	3.2	12
87	Interannual Variability of North American Winter Temperature Extremes and Its Associated Circulation Anomalies in Observations and CMIP5 Simulations. <i>Journal of Climate</i> , 2020, 33, 847-865.	3.2	12
88	Interdecadal change in the Northern Hemisphere seasonal climate prediction skill: part II. predictability and prediction skill. <i>Climate Dynamics</i> , 2014, 43, 1611-1630.	3.8	11
89	Long-lead ENSO control of the boreal summer intraseasonal oscillation in the East Asian-western North Pacific region. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	10
90	The atmospheric response to North Atlantic SST anomalies in seasonal prediction experiments. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2003, 55, 193-207.	1.7	9

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91	Tropical/extratropical forcing on wintertime variability of the extratropical temperature and circulation. <i>Climate Dynamics</i> , 2013, 40, 1183-1200.	3.8	9
92	Coherent changes of wintertime surface air temperatures over North Asia and North America. <i>Scientific Reports</i> , 2018, 8, 5384.	3.3	9
93	On the thermal interaction between the synoptic-scale eddies and the intraseasonal fluctuations in the atmosphere. <i>Atmosphere - Ocean</i> , 1995, 33, 81-107.	1.6	8
94	On the modification of the high- and low-frequency eddies associated with the PNA anomaly: an observational study. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1997, 49, 87-99.	1.7	8
95	The Possible Reasons for the Misrepresented Long-Term Climate Trends in the Seasonal Forecasts of HFP2. <i>Monthly Weather Review</i> , 2013, 141, 3154-3169.	1.4	7
96	Seasonal Prediction of Killing-Frost Frequency in South-Central Canada during the Cool/Overwintering-Crop Growing Season. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 102-113.	1.5	7
97	Tropical forcing of the circumglobal teleconnection pattern in boreal winter. <i>Climate Dynamics</i> , 2021, 57, 865-877.	3.8	7
98	The Madden-Julian Oscillation. <i>Atmosphere - Ocean</i> , 2022, 60, 338-359.	1.6	7
99	Changes in predictability associated with the PNA pattern. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1996, 48, 553-571.	1.7	6
100	Tropical-Extratropical Interactions and Teleconnections. , 2019, , 143-164.		6
101	Stratospheric Nudging And Predictable Surface Impacts (SNAPSI): a protocol for investigating the role of stratospheric polar vortex disturbances in subseasonal to seasonal forecasts. <i>Geoscientific Model Development</i> , 2022, 15, 5073-5092.	3.6	6
102	Seasonal Prediction of Air Temperature Associated with the Growing-Season Start of Warm-Season Crops across Canada. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 1637-1649.	1.5	5
103	Austral winter external and internal atmospheric variability between 1980 and 2014. <i>Geophysical Research Letters</i> , 2016, 43, 2234-2239.	4.0	5
104	The spring relationship between the Pacific-North American pattern and the North Atlantic Oscillation. <i>Climate Dynamics</i> , 2017, 48, 619-629.	3.8	5
105	Seasonal Predictability in a Model Atmosphere. <i>Journal of Climate</i> , 2001, 14, 3017-3028.	3.2	4
106	The genesis and predictability of persistent Pacific-North American anomalies in a model atmosphere. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 51, 686.	1.7	4
107	Interannual Variability of the Warm Arctic-Cold North American Pattern. <i>Journal of Climate</i> , 2022, 35, 4277-4290.	3.2	4
108	Dynamical seasonal prediction using the global environmental multiscale model with a variable resolution modeling approach. <i>Climate Dynamics</i> , 2012, 39, 1885-1904.	3.8	3

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109	Non-Linear Post-Processing of Numerical Seasonal Climate Forecasts. Atmosphere - Ocean, 2012, 50, 207-218.	1.6	2
110	Tropical Americanâ€ˆAtlantic forcing of austral summertime variability in the southern annular mode. Geophysical Research Letters, 2013, 40, 943-947.	4.0	2
111	Introduction to the Special Issue on the Year of Tropicsâ€ˆMidlatitude Interactions and Teleconnections (YTMIT). Atmosphere - Ocean, 2019, 57, 157-160.	1.6	2
112	Projected Trends of Wintertime North American Surface Mean and Extreme Temperatures over the Next Half-century in Two Generations of Canadian Earth System Models. Atmosphere - Ocean, 2021, 59, 53-75.	1.6	2
113	NAO Influence on the MJO and its Prediction Skill in the Subseasonal-to-Seasonal Prediction Models. Journal of Climate, 2021, , 1-45.	3.2	2
114	The atmospheric response to North Atlantic SST anomalies in seasonal prediction experiments. Tellus, Series A: Dynamic Meteorology and Oceanography, 2003, 55, 193-207.	1.7	2
115	The genesis and predictability of persistent Pacific-North American anomalies in a model atmosphere. Tellus, Series A: Dynamic Meteorology and Oceanography, 1999, 51, 686-697.	1.7	1
116	Global response to tropical diabatic heating variability in boreal winter. Advances in Atmospheric Sciences, 2012, 29, 369-380.	4.3	1
117	Recherche en PrÃ©vision NumÃ©rique Contributions to Numerical Weather Prediction. Atmosphere - Ocean, 2022, 60, 35-64.	1.6	1
118	Reply [to â€œComment on â€ˆA three-year lagged correlation between the North Atlantic Oscillation and winter conditions over the North Pacific and North Americaâ€™â€ˆ]. Geophysical Research Letters, 1999, 26, 477-478.	4.0	0
119	Modulation of the MJO-Related Teleconnection by the QBO in Subseasonal-to-Seasonal Prediction Models. Atmosphere - Ocean, 2021, 59, 165-177.	1.6	0