J-Y Lee

List of Publications by Year
in descending order

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117	7,274	57758	58581
papers	citations	44 h-index	82 g-index

132	132	132	4980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sources of Nonergodicity for Teleconnections as Crossâ€Correlations. Geophysical Research Letters, 2022, 49, .	4.0	3
2	Future Amplification of Sea Surface Temperature Seasonality Due To Enhanced Ocean Stratification. Geophysical Research Letters, 2022, 49, .	4.0	8
3	Dominant Processes for Dependence of Boreal Summer Intraseasonal Oscillation on El NiÃ±o Phases. Geophysical Research Letters, 2022, 49, .	4.0	3
4	Increased Indian Ocean-North Atlantic Ocean warming chain under greenhouse warming. Nature Communications, 2022, 13, .	12.8	8
5	Monsoons Climate Change Assessment. Bulletin of the American Meteorological Society, 2021, 102, E1-E19.	3.3	133
6	A low order dynamical model for runoff predictability. Climate Dynamics, 2021, 56, 399-422.	3.8	4
7	Future changes of the ENSOâ€“Indian summer monsoon teleconnection. , 2021, , 393-412.		7
8	Increasing ENSOâ€“rainfall variability due to changes in future tropical temperatureâ€“rainfall relationship. Communications Earth & Environment, 2021, 2, .	6.8	58
9	East Antarctic cooling induced by decadal changes in Madden-Julian oscillation during austral summer. Science Advances, 2021, 7, .	10.3	9
10	East Asian climate response to COVID-19 lockdown measures in China. Scientific Reports, 2021, 11, 16852.	3.3	10
11	Sensitivity of East Asian summer monsoon precipitation to the location of the Tibetan Plateau. Journal of Climate, 2021, , 1-36.	3.2	4
12	The non-linear relationship between the western North Pacific anticyclonic circulation and Korean summer precipitation on subseasonal timescales. Climate Dynamics, 2020, 54, 525-541.	3.8	2
13	Dominant Process for Northward Propagation of Boreal Summer Intraseasonal Oscillation Over the Western North Pacific. Geophysical Research Letters, 2020, 47, e2020GL089808.	4.0	14
14	Cases for the sole effect of the Indian Ocean Dipole in the rapid phase transition of the El NiÃ±oâ€“Southern Oscillation. Theoretical and Applied Climatology, 2020, 141, 999-1007.	2.8	9
15	Current and Emerging Developments in Subseasonal to Decadal Prediction. Bulletin of the American Meteorological Society, 2020, 101, E869-E896.	3.3	116
16	Seasonal predictability of winter ENSO types in operational dynamical model predictions. Climate Dynamics, 2019, 52, 3869-3890.	3.8	51
17	A novel method to test non-exclusive hypotheses applied to Arctic ice projections from dependent models. Nature Communications, 2019, 10, 3016.	12.8	6
18	Physicalâ€“Statistical Model for Summer Extreme Temperature Events over South Korea. Journal of Climate, 2019, 32, 1725-1742.	3.2	6

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19	Combined Effects of El NiÃ±o and the Pacific Decadal Oscillation on Summertime Circulation over East Asia. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 91-99.	2.3	10
20	Combined Effect of the Madden-Julian Oscillation and Arctic Oscillation on Cold Temperature Over Asia. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 75-89.	2.3	0
21	Mechanisms of Northward Propagation of Boreal Summer Intraseasonal Oscillation Revealed by Climate Model Experiments. Geophysical Research Letters, 2019, 46, 3417-3425.	4.0	18
22	North American April tornado occurrences linked to global sea surface temperature anomalies. Science Advances, 2019, 5, eaaw9950.	10.3	16
23	The Tibetan Plateau Uplift is Crucial for Eastward Propagation of Madden-Julian Oscillation. Scientific Reports, 2019, 9, 15478.	3.3	6
24	Chemical evidence of inter-hemispheric air mass intrusion into the Northern Hemisphere mid-latitudes. Scientific Reports, 2018, 8, 4669.	3.3	11
25	Linkages between the South and East Asian summer monsoons: a review and revisit. Climate Dynamics, 2018, 51, 4207-4227.	3.8	43
26	Future changes due to model biases in probabilities of extreme temperatures over East Asia using CMIP5 data. International Journal of Climatology, 2018, 38, 1177-1188.	3.5	5
27	Grand European and Asian-Pacific multi-model seasonal forecasts: maximization of skill and of potential economical value to end-users. Climate Dynamics, 2018, 50, 2719-2738.	3.8	3
28	El NiÃ±oâ€“Southern Oscillation complexity. Nature, 2018, 559, 535-545.	27.8	702
29	Interbasin coupling between the tropical Indian and Pacific Ocean on interannual timescale: observation and CMIP5 reproduction. Climate Dynamics, 2017, 48, 459-475.	3.8	31
30	Mechanisms for a PNA-Like Teleconnection Pattern in Response to the MJO. Journals of the Atmospheric Sciences, 2017, 74, 1767-1781.	1.7	87
31	Boreal Summer Intraseasonal Phases Identified by Nonlinear Multivariate Empirical Orthogonal Functionâ€“Based Self-Organizing Map (ESOM) Analysis. Journal of Climate, 2017, 30, 3513-3528.	3.2	11
32	Influences of Boreal Summer Intraseasonal Oscillation on Heat Waves in Monsoon Asia. Journal of Climate, 2017, 30, 7191-7211.	3.2	76
33	Asian monsoon climate change - Understanding and prediction. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 179-180.	2.3	6
34	Development of statistical prediction models for Changma precipitation: An ensemble approach. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 207-216.	2.3	8
35	Combined effect of the East Atlantic/West Russia and Western Pacific teleconnections on the East Asian winter monsoon. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 273-285.	2.3	25
36	The long-term variability of Changma in the East Asian summer monsoon system: A review and revisit. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 257-272.	2.3	58

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37	Influence of boreal summer intraseasonal oscillation on rainfall extremes in southern China. International Journal of Climatology, 2016, 36, 1403-1412.	3.5	120
38	Cluster Analysis of Tropical Cyclone Tracks over the Western North Pacific Using a Self-Organizing Map. Journal of Climate, 2016, 29, 3731-3751.	3.2	42
39	Potential for longâ€lead prediction of the western North Pacific monsoon circulation beyond seasonal time scales. Geophysical Research Letters, 2016, 43, 1736-1743.	4.0	4
40	Unraveling the Teleconnection Mechanisms that Induce Wintertime Temperature Anomalies over the Northern Hemisphere Continents in Response to the MJO. Journals of the Atmospheric Sciences, 2016, 73, 3557-3571.	1.7	84
41	Interdecadal change in the lagged relationship between the Pacificâ€“South American pattern and ENSO. Climate Dynamics, 2016, 47, 2867-2884.	3.8	20
42	The seasonally varying effect of the Tibetan Plateau on Northern Hemispheric blocking frequency and amplitude. Climate Dynamics, 2016, 47, 2527-2541.	3.8	5
43	Intensification of the Western North Pacific Anticyclone Response to the Short Decaying El NiÃ±o Event due to Greenhouse Warming. Journal of Climate, 2016, 29, 3607-3627.	3.2	29
44	Seasonal-to-Interannual Prediction Skills of Near-Surface Air Temperature in the CMIP5 Decadal Hindcast Experiments. Journal of Climate, 2016, 29, 1511-1527.	3.2	17
45	Northern East Asian Monsoon Precipitation Revealed by Airmass Variability and Its Prediction. Journal of Climate, 2015, 28, 6221-6233.	3.2	39
46	Development of a Dynamics-Based Statistical Prediction Model for the Changma Onset. Journal of Climate, 2015, 28, 6647-6666.	3.2	18
47	Weather and Climate in Monsoon Regions. Advances in Meteorology, 2015, 2015, 1-1.	1.6	0
48	Prediction of Indian Summer Monsoon Onset Using Dynamical Subseasonal Forecasts: Effects of Realistic Initialization of the Atmosphere. Monthly Weather Review, 2015, 143, 778-793.	1.4	40
49	Distinctive Roles of Airâ€“Sea Coupling on Different MJO Events: A New Perspective Revealed from the DYNAMO/CINDY Field Campaign*. Monthly Weather Review, 2015, 143, 794-812.	1.4	42
50	Intensified impact of tropical Atlantic SST on the western North Pacific summer climate under a weakened Atlantic thermohaline circulation. Climate Dynamics, 2015, 45, 2033-2046.	3.8	44
51	Changes in weather and climate extremes over Korea and possible causes: A review. Asia-Pacific Journal of Atmospheric Sciences, 2015, 51, 103-121.	2.3	82
52	Asian summer monsoon rainfall predictability: a predictable mode analysis. Climate Dynamics, 2015, 44, 61-74.	3.8	106
53	Predictability and prediction skill of the boreal summer intraseasonal oscillation in the Intraseasonal Variability Hindcast Experiment. Climate Dynamics, 2015, 45, 2123-2135.	3.8	57
54	Effects of mountain uplift on global monsoon precipitation. Asia-Pacific Journal of Atmospheric Sciences, 2015, 51, 275-290.	2.3	17

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55	Understanding of Interdecadal Changes in Variability and Predictability of the Northern Hemisphere Summer Tropicalâ€“Extratropical Teleconnection. Journal of Climate, 2015, 28, 8634-8647.	3.2	19
56	Interdecadal change of interannual variability and predictability of two types of ENSO. Climate Dynamics, 2015, 44, 1073-1091.	3.8	15
57	Seasonal Prediction of Distinct Climate Anomalies in Summer 2010 over the Tropical Indian Ocean and South Asia. Journal of the Meteorological Society of Japan, 2014, 92, 1-16.	1.8	19
58	Future Change of Northern Hemisphere Summer Tropicalâ€“Extratropical Teleconnection in CMIP5 Models*. Journal of Climate, 2014, 27, 3643-3664.	3.2	43
59	Understanding the Anthropogenically Forced Change of Equatorial Pacific Trade Winds in Coupled Climate Models*. Journal of Climate, 2014, 27, 8510-8526.	3.2	16
60	Eastern Pacific Intraseasonal Variability: A Predictability Perspective. Journal of Climate, 2014, 27, 8869-8883.	3.2	14
61	Future change of Asian-Australian monsoon under RCP 4.5 anthropogenic warming scenario. Climate Dynamics, 2014, 42, 83-100.	3.8	119
62	Future change of global monsoon in the CMIP5. Climate Dynamics, 2014, 42, 101-119.	3.8	367
63	Future change of the Indian Ocean basin-wide and dipole modes in the CMIP5. Climate Dynamics, 2014, 43, 535-551.	3.8	52
64	Interdecadal change in the Northern Hemisphere seasonal climate prediction skill: part I. The leading forced mode of atmospheric circulation. Climate Dynamics, 2014, 43, 1595-1609.	3.8	14
65	Future change of extreme temperature climate indices over East Asia with uncertainties estimation in the CMIP5. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 609-624.	2.3	18
66	Interdecadal changes in the Asian winter monsoon variability and its relationship with ENSO and AO. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 531-540.	2.3	15
67	Upper tropospheric warming intensifies sea surface warming. Climate Dynamics, 2014, 43, 259-270.	3.8	13
68	Interdecadal change in the Northern Hemisphere seasonal climate prediction skill: part II. predictability and prediction skill. Climate Dynamics, 2014, 43, 1611-1630.	3.8	11
69	Recent intensification of the South and East Asian monsoon contrast associated with an increase in the zonal tropical SST gradient. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8104-8116.	3.3	29
70	Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. Scientific Reports, 2014, 4, 7211.	3.3	64
71	Future change of Asian-Australian monsoon under RCP 4.5 anthropogenic warming scenario. , 2014, 42, 83.		1
72	Future Change Using the CMIP5 MME and Best Models: I. Near and Long Term Future Change of Temperature and Precipitation over East Asia. Atmosphere, 2014, 24, 403-417.	0.3	1

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73	The Development of a Statistical Forecast Model for Changma. Weather and Forecasting, 2013, 28, 1304-1321.	1.4	30
74	Seasonal prediction and predictability of the Asian winter temperature variability. Climate Dynamics, 2013, 41, 573-587.	3.8	68
75	Multi-model MJO forecasting during DYNAMO/CINDY period. Climate Dynamics, 2013, 41, 1067-1081.	3.8	87
76	Teleconnections associated with Northern Hemisphere summer monsoon intraseasonal oscillation. Climate Dynamics, 2013, 40, 2761-2774.	3.8	64
77	Real-time multivariate indices for the boreal summer intraseasonal oscillation over the Asian summer monsoon region. Climate Dynamics, 2013, 40, 493-509.	3.8	368
78	Divergent global precipitation changes induced by natural versus anthropogenic forcing. Nature, 2013, 493, 656-659.	27.8	172
79	Assessing Future Changes in the East Asian Summer Monsoon Using CMIP5 Coupled Models. Journal of Climate, 2013, 26, 7662-7675.	3.2	108
80	Role of the Tibetan Plateau on the Annual Variation of Mean Atmospheric Circulation and Storm-Track Activity*. Journal of Climate, 2013, 26, 5270-5286.	3.2	37
81	BAYESIAN OPTIMAL BLENDING AND CREDIBLE INTERVAL ESTIMATION FOR SATELLITE AND GROUND RAINFALL OBSERVATIONS. Advances in Adaptive Data Analysis, 2013, 05, 1350006.	0.6	0
82	Subtropical High predictability establishes a promising way for monsoon and tropical storm predictions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2718-2722.	7.1	477
83	Intraseasonal Forecasting of the Asian Summer Monsoon in Four Operational and Research Models*. Journal of Climate, 2013, 26, 4186-4203.	3.2	46
84	Season-Dependent Forecast Skill of the Leading Forced Atmospheric Circulation Pattern over the North Pacific and North American Region*. Journal of Climate, 2012, 25, 7248-7265.	3.2	14
85	Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. Journal of Climate, 2012, 25, 7574-7589.	3.2	150
86	Changes in the Tropical Pacific SST Trend from CMIP3 to CMIP5 and Its Implication of ENSO. Journal of Climate, 2012, 25, 7764-7771.	3.2	77
87	What caused the cool summer over northern Central Asia, East Asia and central North America during 2009?. Environmental Research Letters, 2012, 7, 044015.	5.2	22
88	Improved simulation of two types of El NiÃ±o in CMIP5 models. Environmental Research Letters, 2012, 7, 034002.	5.2	60
89	What drives the global summer monsoon over the past millennium?. Climate Dynamics, 2012, 39, 1063-1072.	3.8	27
90	Mechanisms of an extraordinary East Asian summer monsoon event in July 2011. Geophysical Research Letters, 2012, 39, .	4.0	28

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91	Interdecadal change of the boreal summer circumglobal teleconnection (1958â€“2010). Geophysical Research Letters, 2012, 39, .	4.0	50
92	The Global Atmospheric Circulation Response to Tropical Diabatic Heating Associated with the Maddenâ€“Julian Oscillation during Northern Winter. Journals of the Atmospheric Sciences, 2012, 69, 79-96.	1.7	153
93	Assessment of the longâ€lead probabilistic prediction for the Asian summer monsoon precipitation (1983â€“2011) based on the APCC multimodel system and a statistical model. Journal of Geophysical Research, 2012, 117, .	3.3	22
94	Interdecadal changes in the storm track activity over the North Pacific and North Atlantic. Climate Dynamics, 2012, 39, 313-327.	3.8	89
95	Assessment of the APCC coupled MME suite in predicting the distinctive climate impacts of two flavors of ENSO during boreal winter. Climate Dynamics, 2012, 39, 475-493.	3.8	75
96	A Spatial-Temporal Projection Method for Seasonal Prediction of Spring Rainfall in Northern Taiwan. Journal of the Meteorological Society of Japan, 2012, 90, 179-190.	1.8	6
97	Deficiencies and possibilities for long-lead coupled climate prediction of the Western North Pacific-East Asian summer monsoon. Climate Dynamics, 2011, 36, 1173-1188.	3.8	81
98	How predictable is the northern hemisphere summer upper-tropospheric circulation?. Climate Dynamics, 2011, 37, 1189-1203.	3.8	84
99	A comparison of climatological subseasonal variations in the wintertime storm track activity between the North Pacific and Atlantic: local energetics and moisture effect. Climate Dynamics, 2011, 37, 2455-2469.	3.8	32
100	Sensitivity of Dynamical Intraseasonal Prediction Skills to Different Initial Conditions. Monthly Weather Review, 2011, 139, 2572-2592.	1.4	60
101	How are seasonal prediction skills related to modelsâ€™ performance on mean state and annual cycle?. Climate Dynamics, 2010, 35, 267-283.	3.8	131
102	Interdecadal Change in the Relationship between ENSO and the Intraseasonal Oscillation in East Asia. Journal of Climate, 2010, 23, 3599-3612.	3.2	44
103	Predictability of summer northwest Pacific climate in 11 coupled model hindcasts: Local and remote forcing. Journal of Geophysical Research, 2010, 115, .	3.3	78
104	Advance and prospectus of seasonal prediction: assessment of the APCC/CliPAS 14-model ensemble retrospective seasonal prediction (1980â€“2004). Climate Dynamics, 2009, 33, 93-117.	3.8	347
105	Impacts of initial conditions on monsoon intraseasonal forecasting. Geophysical Research Letters, 2009, 36, .	4.0	22
106	Correction to â€œImpacts of initial conditions on monsoon intraseasonal forecastingâ€. Geophysical Research Letters, 2009, 36, .	4.0	0
107	Interannual variations of the boreal summer intraseasonal variability predicted by ten atmosphereâ€“ocean coupled models. Climate Dynamics, 2008, 30, 485-496.	3.8	46
108	How accurately do coupled climate models predict the leading modes of Asian-Australian monsoon interannual variability?. Climate Dynamics, 2008, 30, 605-619.	3.8	129

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109	Relationship between ENSO and northward propagating intraseasonal oscillation in the east Asian summer monsoon system. Journal of Geophysical Research, 2008, 113, .	3.3	46
110	Systematic Error Correction of Dynamical Seasonal Prediction of Sea Surface Temperature Using a Stepwise Pattern Project Method. Monthly Weather Review, 2008, 136, 3501-3512.	1.4	34
111	Global Sea Surface Temperature Prediction Using a Multimodel Ensemble. Monthly Weather Review, 2007, 135, 3239-3247.	1.4	32
112	A statistical approach to Indian Ocean sea surface temperature prediction using a dynamical ENSO prediction. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	53
113	The North Pacific as a Regulator of Summertime Climate over Eurasia and North America. Journal of Climate, 2004, 17, 819-833.	3.2	88
114	Ensemble Simulations of Asianâ€“Australian Monsoon Variability by 11 AGCMs*. Journal of Climate, 2004, 17, 803-818.	3.2	287
115	Potential Predictability of Summer Mean Precipitation in a Dynamical Seasonal Prediction System with Systematic Error Correction. Journal of Climate, 2004, 17, 834-844.	3.2	155
116	A sudden change in summer rainfall characteristics in Korea during the late 1970s. International Journal of Climatology, 2003, 23, 117-128.	3.5	117
117	Seasonal Climate Prediction and Predictability of Atmospheric Circulation. , 0, , .		9