

J-Y Lee

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

7,274
citations

57758

44
h-index

58581

82
g-index

132
all docs

132
docs citations

132
times ranked

4980
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | El Niño Southern Oscillation complexity. <i>Nature</i> , 2018, 559, 535-545. | 27.8 | 702 |
| 2 | Subtropical High predictability establishes a promising way for monsoon and tropical storm predictions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2718-2722. | 7.1 | 477 |
| 3 | Real-time multivariate indices for the boreal summer intraseasonal oscillation over the Asian summer monsoon region. <i>Climate Dynamics</i> , 2013, 40, 493-509. | 3.8 | 368 |
| 4 | Future change of global monsoon in the CMIP5. <i>Climate Dynamics</i> , 2014, 42, 101-119. | 3.8 | 367 |
| 5 | Advance and prospectus of seasonal prediction: assessment of the APCC/CliPAS 14-model ensemble retrospective seasonal prediction (1980-2004). <i>Climate Dynamics</i> , 2009, 33, 93-117. | 3.8 | 347 |
| 6 | Ensemble Simulations of Asian-Australian Monsoon Variability by 11 AGCMs*. <i>Journal of Climate</i> , 2004, 17, 803-818. | 3.2 | 287 |
| 7 | Divergent global precipitation changes induced by natural versus anthropogenic forcing. <i>Nature</i> , 2013, 493, 656-659. | 27.8 | 172 |
| 8 | Potential Predictability of Summer Mean Precipitation in a Dynamical Seasonal Prediction System with Systematic Error Correction. <i>Journal of Climate</i> , 2004, 17, 834-844. | 3.2 | 155 |
| 9 | The Global Atmospheric Circulation Response to Tropical Diabatic Heating Associated with the Madden-Julian Oscillation during Northern Winter. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 79-96. | 1.7 | 153 |
| 10 | Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. <i>Journal of Climate</i> , 2012, 25, 7574-7589. | 3.2 | 150 |
| 11 | Monsoons Climate Change Assessment. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1-E19. | 3.3 | 133 |
| 12 | How are seasonal prediction skills related to models' performance on mean state and annual cycle?. <i>Climate Dynamics</i> , 2010, 35, 267-283. | 3.8 | 131 |
| 13 | How accurately do coupled climate models predict the leading modes of Asian-Australian monsoon interannual variability?. <i>Climate Dynamics</i> , 2008, 30, 605-619. | 3.8 | 129 |
| 14 | Influence of boreal summer intraseasonal oscillation on rainfall extremes in southern China. <i>International Journal of Climatology</i> , 2016, 36, 1403-1412. | 3.5 | 120 |
| 15 | Future change of Asian-Australian monsoon under RCP 4.5 anthropogenic warming scenario. <i>Climate Dynamics</i> , 2014, 42, 83-100. | 3.8 | 119 |
| 16 | A sudden change in summer rainfall characteristics in Korea during the late 1970s. <i>International Journal of Climatology</i> , 2003, 23, 117-128. | 3.5 | 117 |
| 17 | Current and Emerging Developments in Subseasonal to Decadal Prediction. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E869-E896. | 3.3 | 116 |
| 18 | Assessing Future Changes in the East Asian Summer Monsoon Using CMIP5 Coupled Models. <i>Journal of Climate</i> , 2013, 26, 7662-7675. | 3.2 | 108 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Asian summer monsoon rainfall predictability: a predictable mode analysis. <i>Climate Dynamics</i> , 2015, 44, 61-74. | 3.8 | 106 |
| 20 | Interdecadal changes in the storm track activity over the North Pacific and North Atlantic. <i>Climate Dynamics</i> , 2012, 39, 313-327. | 3.8 | 89 |
| 21 | The North Pacific as a Regulator of Summertime Climate over Eurasia and North America. <i>Journal of Climate</i> , 2004, 17, 819-833. | 3.2 | 88 |
| 22 | Multi-model MJO forecasting during DYNAMO/CINDY period. <i>Climate Dynamics</i> , 2013, 41, 1067-1081. | 3.8 | 87 |
| 23 | Mechanisms for a PNA-Like Teleconnection Pattern in Response to the MJO. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 1767-1781. | 1.7 | 87 |
| 24 | How predictable is the northern hemisphere summer upper-tropospheric circulation?. <i>Climate Dynamics</i> , 2011, 37, 1189-1203. | 3.8 | 84 |
| 25 | Unraveling the Teleconnection Mechanisms that Induce Wintertime Temperature Anomalies over the Northern Hemisphere Continents in Response to the MJO. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 3557-3571. | 1.7 | 84 |
| 26 | Changes in weather and climate extremes over Korea and possible causes: A review. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2015, 51, 103-121. | 2.3 | 82 |
| 27 | Deficiencies and possibilities for long-lead coupled climate prediction of the Western North Pacific-East Asian summer monsoon. <i>Climate Dynamics</i> , 2011, 36, 1173-1188. | 3.8 | 81 |
| 28 | Predictability of summer northwest Pacific climate in 11 coupled model hindcasts: Local and remote forcing. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 78 |
| 29 | Changes in the Tropical Pacific SST Trend from CMIP3 to CMIP5 and Its Implication of ENSO. <i>Journal of Climate</i> , 2012, 25, 7764-7771. | 3.2 | 77 |
| 30 | Influences of Boreal Summer Intraseasonal Oscillation on Heat Waves in Monsoon Asia. <i>Journal of Climate</i> , 2017, 30, 7191-7211. | 3.2 | 76 |
| 31 | Assessment of the APCC coupled MME suite in predicting the distinctive climate impacts of two flavors of ENSO during boreal winter. <i>Climate Dynamics</i> , 2012, 39, 475-493. | 3.8 | 75 |
| 32 | Seasonal prediction and predictability of the Asian winter temperature variability. <i>Climate Dynamics</i> , 2013, 41, 573-587. | 3.8 | 68 |
| 33 | Teleconnections associated with Northern Hemisphere summer monsoon intraseasonal oscillation. <i>Climate Dynamics</i> , 2013, 40, 2761-2774. | 3.8 | 64 |
| 34 | Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. <i>Scientific Reports</i> , 2014, 4, 7211. | 3.3 | 64 |
| 35 | Sensitivity of Dynamical Intraseasonal Prediction Skills to Different Initial Conditions. <i>Monthly Weather Review</i> , 2011, 139, 2572-2592. | 1.4 | 60 |
| 36 | Improved simulation of two types of El Niño in CMIP5 models. <i>Environmental Research Letters</i> , 2012, 7, 034002. | 5.2 | 60 |

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|----|---|-----|-----------|
| 37 | The long-term variability of Changma in the East Asian summer monsoon system: A review and revisit. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017, 53, 257-272. | 2.3 | 58 |
| 38 | Increasing ENSOâ€™rainfall variability due to changes in future tropical temperatureâ€™rainfall relationship. <i>Communications Earth & Environment</i> , 2021, 2, . | 6.8 | 58 |
| 39 | Predictability and prediction skill of the boreal summer intraseasonal oscillation in the Intraseasonal Variability Hindcast Experiment. <i>Climate Dynamics</i> , 2015, 45, 2123-2135. | 3.8 | 57 |
| 40 | A statistical approach to Indian Ocean sea surface temperature prediction using a dynamical ENSO prediction. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a. | 4.0 | 53 |
| 41 | Future change of the Indian Ocean basin-wide and dipole modes in the CMIP5. <i>Climate Dynamics</i> , 2014, 43, 535-551. | 3.8 | 52 |
| 42 | Seasonal predictability of winter ENSO types in operational dynamical model predictions. <i>Climate Dynamics</i> , 2019, 52, 3869-3890. | 3.8 | 51 |
| 43 | Interdecadal change of the boreal summer circumglobal teleconnection (1958â€™2010). <i>Geophysical Research Letters</i> , 2012, 39, . | 4.0 | 50 |
| 44 | Interannual variations of the boreal summer intraseasonal variability predicted by ten atmosphereâ€™ocean coupled models. <i>Climate Dynamics</i> , 2008, 30, 485-496. | 3.8 | 46 |
| 45 | Relationship between ENSO and northward propagating intraseasonal oscillation in the east Asian summer monsoon system. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 46 |
| 46 | Intraseasonal Forecasting of the Asian Summer Monsoon in Four Operational and Research Models*. <i>Journal of Climate</i> , 2013, 26, 4186-4203. | 3.2 | 46 |
| 47 | Interdecadal Change in the Relationship between ENSO and the Intraseasonal Oscillation in East Asia. <i>Journal of Climate</i> , 2010, 23, 3599-3612. | 3.2 | 44 |
| 48 | Intensified impact of tropical Atlantic SST on the western North Pacific summer climate under a weakened Atlantic thermohaline circulation. <i>Climate Dynamics</i> , 2015, 45, 2033-2046. | 3.8 | 44 |
| 49 | Future Change of Northern Hemisphere Summer Tropicalâ€™Extratropical Teleconnection in CMIP5 Models*. <i>Journal of Climate</i> , 2014, 27, 3643-3664. | 3.2 | 43 |
| 50 | Linkages between the South and East Asian summer monsoons: a review and revisit. <i>Climate Dynamics</i> , 2018, 51, 4207-4227. | 3.8 | 43 |
| 51 | Distinctive Roles of Airâ€™Sea Coupling on Different MJO Events: A New Perspective Revealed from the DYNAMO/CINDY Field Campaign*. <i>Monthly Weather Review</i> , 2015, 143, 794-812. | 1.4 | 42 |
| 52 | Cluster Analysis of Tropical Cyclone Tracks over the Western North Pacific Using a Self-Organizing Map. <i>Journal of Climate</i> , 2016, 29, 3731-3751. | 3.2 | 42 |
| 53 | Prediction of Indian Summer Monsoon Onset Using Dynamical Subseasonal Forecasts: Effects of Realistic Initialization of the Atmosphere. <i>Monthly Weather Review</i> , 2015, 143, 778-793. | 1.4 | 40 |
| 54 | Northern East Asian Monsoon Precipitation Revealed by Airmass Variability and Its Prediction. <i>Journal of Climate</i> , 2015, 28, 6221-6233. | 3.2 | 39 |

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|----|--|-----|-----------|
| 55 | Role of the Tibetan Plateau on the Annual Variation of Mean Atmospheric Circulation and Storm-Track Activity*. <i>Journal of Climate</i> , 2013, 26, 5270-5286. | 3.2 | 37 |
| 56 | Systematic Error Correction of Dynamical Seasonal Prediction of Sea Surface Temperature Using a Stepwise Pattern Project Method. <i>Monthly Weather Review</i> , 2008, 136, 3501-3512. | 1.4 | 34 |
| 57 | Global Sea Surface Temperature Prediction Using a Multimodel Ensemble. <i>Monthly Weather Review</i> , 2007, 135, 3239-3247. | 1.4 | 32 |
| 58 | A comparison of climatological subseasonal variations in the wintertime storm track activity between the North Pacific and Atlantic: local energetics and moisture effect. <i>Climate Dynamics</i> , 2011, 37, 2455-2469. | 3.8 | 32 |
| 59 | Interbasin coupling between the tropical Indian and Pacific Ocean on interannual timescale: observation and CMIP5 reproduction. <i>Climate Dynamics</i> , 2017, 48, 459-475. | 3.8 | 31 |
| 60 | The Development of a Statistical Forecast Model for Changma. <i>Weather and Forecasting</i> , 2013, 28, 1304-1321. | 1.4 | 30 |
| 61 | Recent intensification of the South and East Asian monsoon contrast associated with an increase in the zonal tropical SST gradient. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8104-8116. | 3.3 | 29 |
| 62 | Intensification of the Western North Pacific Anticyclone Response to the Short Decaying El Niño Event due to Greenhouse Warming. <i>Journal of Climate</i> , 2016, 29, 3607-3627. | 3.2 | 29 |
| 63 | Mechanisms of an extraordinary East Asian summer monsoon event in July 2011. <i>Geophysical Research Letters</i> , 2012, 39, . | 4.0 | 28 |
| 64 | What drives the global summer monsoon over the past millennium?. <i>Climate Dynamics</i> , 2012, 39, 1063-1072. | 3.8 | 27 |
| 65 | Combined effect of the East Atlantic/West Russia and Western Pacific teleconnections on the East Asian winter monsoon. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017, 53, 273-285. | 2.3 | 25 |
| 66 | Impacts of initial conditions on monsoon intraseasonal forecasting. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 22 |
| 67 | What caused the cool summer over northern Central Asia, East Asia and central North America during 2009?. <i>Environmental Research Letters</i> , 2012, 7, 044015. | 5.2 | 22 |
| 68 | Assessment of the long-lead probabilistic prediction for the Asian summer monsoon precipitation (1983-2011) based on the APCC multimodel system and a statistical model. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 22 |
| 69 | Interdecadal change in the lagged relationship between the Pacific-South American pattern and ENSO. <i>Climate Dynamics</i> , 2016, 47, 2867-2884. | 3.8 | 20 |
| 70 | Seasonal Prediction of Distinct Climate Anomalies in Summer 2010 over the Tropical Indian Ocean and South Asia. <i>Journal of the Meteorological Society of Japan</i> , 2014, 92, 1-16. | 1.8 | 19 |
| 71 | Understanding of Interdecadal Changes in Variability and Predictability of the Northern Hemisphere Summer Tropical-Extratropical Teleconnection. <i>Journal of Climate</i> , 2015, 28, 8634-8647. | 3.2 | 19 |
| 72 | Future change of extreme temperature climate indices over East Asia with uncertainties estimation in the CMIP5. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2014, 50, 609-624. | 2.3 | 18 |

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|----|---|------|-----------|
| 73 | Development of a Dynamics-Based Statistical Prediction Model for the Changma Onset. <i>Journal of Climate</i> , 2015, 28, 6647-6666. | 3.2 | 18 |
| 74 | Mechanisms of Northward Propagation of Boreal Summer Intraseasonal Oscillation Revealed by Climate Model Experiments. <i>Geophysical Research Letters</i> , 2019, 46, 3417-3425. | 4.0 | 18 |
| 75 | Effects of mountain uplift on global monsoon precipitation. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2015, 51, 275-290. | 2.3 | 17 |
| 76 | Seasonal-to-Interannual Prediction Skills of Near-Surface Air Temperature in the CMIP5 Decadal Hindcast Experiments. <i>Journal of Climate</i> , 2016, 29, 1511-1527. | 3.2 | 17 |
| 77 | Understanding the Anthropogenically Forced Change of Equatorial Pacific Trade Winds in Coupled Climate Models*. <i>Journal of Climate</i> , 2014, 27, 8510-8526. | 3.2 | 16 |
| 78 | North American April tornado occurrences linked to global sea surface temperature anomalies. <i>Science Advances</i> , 2019, 5, eaaw9950. | 10.3 | 16 |
| 79 | Interdecadal changes in the Asian winter monsoon variability and its relationship with ENSO and AO. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2014, 50, 531-540. | 2.3 | 15 |
| 80 | Interdecadal change of interannual variability and predictability of two types of ENSO. <i>Climate Dynamics</i> , 2015, 44, 1073-1091. | 3.8 | 15 |
| 81 | 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 |
| 82 | Eastern Pacific Intraseasonal Variability: A Predictability Perspective. <i>Journal of Climate</i> , 2014, 27, 8869-8883. | 3.2 | 14 |
| 83 | 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 |
| 84 | Dominant Process for Northward Propagation of Boreal Summer Intraseasonal Oscillation Over the Western North Pacific. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089808. | 4.0 | 14 |
| 85 | Upper tropospheric warming intensifies sea surface warming. <i>Climate Dynamics</i> , 2014, 43, 259-270. | 3.8 | 13 |
| 86 | 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 |
| 87 | Boreal Summer Intraseasonal Phases Identified by Nonlinear Multivariate Empirical Orthogonal Function-Based Self-Organizing Map (ESOM) Analysis. <i>Journal of Climate</i> , 2017, 30, 3513-3528. | 3.2 | 11 |
| 88 | Chemical evidence of inter-hemispheric air mass intrusion into the Northern Hemisphere mid-latitudes. <i>Scientific Reports</i> , 2018, 8, 4669. | 3.3 | 11 |
| 89 | Combined Effects of El Niño and the Pacific Decadal Oscillation on Summertime Circulation over East Asia. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019, 55, 91-99. | 2.3 | 10 |
| 90 | East Asian climate response to COVID-19 lockdown measures in China. <i>Scientific Reports</i> , 2021, 11, 16852. | 3.3 | 10 |

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|-----|---|------|-----------|
| 91 | Seasonal Climate Prediction and Predictability of Atmospheric Circulation. , 0, , . | | 9 |
| 92 | Cases for the sole effect of the Indian Ocean Dipole in the rapid phase transition of the El Niño Southern Oscillation. Theoretical and Applied Climatology, 2020, 141, 999-1007. | 2.8 | 9 |
| 93 | East Antarctic cooling induced by decadal changes in Madden-Julian oscillation during austral summer. Science Advances, 2021, 7, . | 10.3 | 9 |
| 94 | Development of statistical prediction models for Changma precipitation: An ensemble approach. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 207-216. | 2.3 | 8 |
| 95 | Future Amplification of Sea Surface Temperature Seasonality Due To Enhanced Ocean Stratification. Geophysical Research Letters, 2022, 49, . | 4.0 | 8 |
| 96 | Increased Indian Ocean-North Atlantic Ocean warming chain under greenhouse warming. Nature Communications, 2022, 13, . | 12.8 | 8 |
| 97 | Future changes of the ENSO Indian summer monsoon teleconnection. , 2021, , 393-412. | | 7 |
| 98 | Asian monsoon climate change - Understanding and prediction. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 179-180. | 2.3 | 6 |
| 99 | A novel method to test non-exclusive hypotheses applied to Arctic ice projections from dependent models. Nature Communications, 2019, 10, 3016. | 12.8 | 6 |
| 100 | Physical Statistical Model for Summer Extreme Temperature Events over South Korea. Journal of Climate, 2019, 32, 1725-1742. | 3.2 | 6 |
| 101 | The Tibetan Plateau Uplift is Crucial for Eastward Propagation of Madden-Julian Oscillation. Scientific Reports, 2019, 9, 15478. | 3.3 | 6 |
| 102 | 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 |
| 103 | The seasonally varying effect of the Tibetan Plateau on Northern Hemispheric blocking frequency and amplitude. Climate Dynamics, 2016, 47, 2527-2541. | 3.8 | 5 |
| 104 | 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 |
| 105 | Potential for long lead prediction of the western North Pacific monsoon circulation beyond seasonal time scales. Geophysical Research Letters, 2016, 43, 1736-1743. | 4.0 | 4 |
| 106 | A low order dynamical model for runoff predictability. Climate Dynamics, 2021, 56, 399-422. | 3.8 | 4 |
| 107 | Sensitivity of East Asian summer monsoon precipitation to the location of the Tibetan Plateau. Journal of Climate, 2021, , 1-36. | 3.2 | 4 |
| 108 | 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 |

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|-----|--|-----|-----------|
| 109 | Sources of Nonergodicity for Teleconnections as Cross-Correlations. Geophysical Research Letters, 2022, 49, . | 4.0 | 3 |
| 110 | Dominant Processes for Dependence of Boreal Summer Intraseasonal Oscillation on El Niño Phases. Geophysical Research Letters, 2022, 49, . | 4.0 | 3 |
| 111 | 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 |
| 112 | Future change of Asian-Australian monsoon under RCP 4.5 anthropogenic warming scenario. , 2014, 42, 83. | | 1 |
| 113 | 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 |
| 114 | Correction to "Impacts of initial conditions on monsoon intraseasonal forecasting". Geophysical Research Letters, 2009, 36, . | 4.0 | 0 |
| 115 | BAYESIAN OPTIMAL BLENDING AND CREDIBLE INTERVAL ESTIMATION FOR SATELLITE AND GROUND RAINFALL OBSERVATIONS. Advances in Adaptive Data Analysis, 2013, 05, 1350006. | 0.6 | 0 |
| 116 | Weather and Climate in Monsoon Regions. Advances in Meteorology, 2015, 2015, 1-1. | 1.6 | 0 |
| 117 | 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 |