

# Feiyu Lu

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

462  
citations

840776

11  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

579  
citing authors

#	ARTICLE	IF	CITATIONS
1	SPEAR: The Next Generation GFDL Modeling System for Seasonal to Multidecadal Prediction and Projection. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001895.	3.8	94
2	Coupled data assimilation and parameter estimation in coupled ocean-atmosphere models: a review. <i>Climate Dynamics</i> , 2020, 54, 5127-5144.	3.8	53
3	Strongly Coupled Data Assimilation Using Leading Averaged Coupled Covariance (LACC). Part I: Simple Model Study*. <i>Monthly Weather Review</i> , 2015, 143, 3823-3837.	1.4	34
4	Understanding the control of extratropical atmospheric variability on ENSO using a coupled data assimilation approach. <i>Climate Dynamics</i> , 2017, 48, 3139-3160.	3.8	29
5	Ensemble-Based Parameter Estimation in a Coupled General Circulation Model. <i>Journal of Climate</i> , 2014, 27, 7151-7162.	3.2	28
6	Strongly Coupled Data Assimilation Using Leading Averaged Coupled Covariance (LACC). Part II: CGCM Experiments*. <i>Monthly Weather Review</i> , 2015, 143, 4645-4659.	1.4	28
7	Ensemble-Based Parameter Estimation in a Coupled GCM Using the Adaptive Spatial Average Method*. <i>Journal of Climate</i> , 2014, 27, 4002-4014.	3.2	27
8	GFDL's SPEAR Seasonal Prediction System: Initialization and Ocean Tendency Adjustment (OTA) for Coupled Model Predictions. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002149.	3.8	27
9	Seasonal Prediction and Predictability of Regional Antarctic Sea Ice. <i>Journal of Climate</i> , 2021, 34, 6207-6233.	3.2	20
10	S2S Prediction in GFDL SPEAR: MJO Diversity and Teleconnections. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E463-E484.	3.3	17
11	Assessing Extratropical Influence on Observed El Niño Southern Oscillation Events Using Regional Coupled Data Assimilation. <i>Journal of Climate</i> , 2018, 31, 8961-8969.	3.2	11
12	Subseasonal-to-Seasonal Arctic Sea Ice Forecast Skill Improvement from Sea Ice Concentration Assimilation. <i>Journal of Climate</i> , 2022, 35, 4233-4252.	3.2	9
13	Universal scaling behaviors of meteorological variables' volatility and relations with original records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4953-4962.	2.6	8
14	Local and Remote Responses of Atmospheric and Oceanic Heat Transports to Climate Forcing: Compensation versus Collaboration. <i>Journal of Climate</i> , 2018, 31, 6445-6460.	3.2	8
15	Are Multiseasonal Forecasts of Atmospheric Rivers Possible?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094000.	4.0	8
16	Seasonal predictability of baroclinic wave activity. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	6.8	8
17	Seasonal-to-Decadal Variability and Prediction of the Kuroshio Extension in the GFDL Coupled Ensemble Reanalysis and Forecasting System. <i>Journal of Climate</i> , 2022, 35, 3515-3535.	3.2	8
18	Assessing extratropical impact on the tropical bias in coupled climate model with regional coupled data assimilation. <i>Geophysical Research Letters</i> , 2017, 44, 3384-3392.	4.0	7

#	ARTICLE	IF	CITATIONS
19	A Systematic Comparison of Particle Filter and EnKF in Assimilating Time-Averaged Observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 13,155.	3.3	6
20	Mechanisms of Regional Arctic Sea Ice Predictability in Two Dynamical Seasonal Forecast Systems. Journal of Climate, 2022, 35, 4207-4231.	3.2	6
21	Skillful Seasonal Prediction of North American Summertime Heat Extremes. Journal of Climate, 2022, 35, 4331-4345.	3.2	6
22	Assimilating atmosphere reanalysis in coupled data assimilation. Journal of Meteorological Research, 2016, 30, 572-583.	2.4	5
23	When Will Humanity Notice Its Influence on Atmospheric Rivers?. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	5
24	Strongly Coupled Data Assimilation Using Leading Averaged Coupled Covariance (LACC). Part III: Assimilation of Real World Reanalysis. Monthly Weather Review, 2020, 148, 2351-2364.	1.4	4
25	Impact of Coherent Ocean Stratification on AMOC Reconstruction by Coupled Data Assimilation with a Biased Model. Journal of Climate, 2020, 33, 7319-7334.	3.2	3
26	Roles of Meridional Overturning in Subpolar Southern Ocean SST Trends: Insights from Ensemble Simulations. Journal of Climate, 2022, 35, 1577-1596.	3.2	3
27	Quantitatively Isolating Extratropical Atmospheric Impact on the Tropical Pacific Interannual Variability in Coupled Climate Model. IEEE Access, 2020, 8, 163857-163867.	4.2	0
28	Prospects for Seasonal Prediction of Summertime Trans-Arctic Sea Ice Path. Journal of Climate, 2022, 35, 4253-4263.	3.2	0