

# Jieshun Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,338  
citations

279487

23  
h-index

360668

35  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salinity anomaly as a trigger for ENSO events. <i>Scientific Reports</i> , 2014, 4, 6821.	1.6	92
2	Persistence and Predictions of the Remarkable Warm Anomaly in the Northeastern Pacific Ocean during 2014–16. <i>Journal of Climate</i> , 2017, 30, 689-702.	1.2	85
3	The Role of Air–Sea Coupling in Seasonal Prediction of Asia–Pacific Summer Monsoon Rainfall. <i>Journal of Climate</i> , 2013, 26, 5689-5697.	1.2	77
4	Ensemble ENSO hindcasts initialized from multiple ocean analyses. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	73
5	The Interdecadal Shift of ENSO Properties in 1999/2000: A Review. <i>Journal of Climate</i> , 2020, 33, 4441-4462.	1.2	71
6	The role of off-equatorial surface temperature anomalies in the 2014 El Niño prediction. <i>Scientific Reports</i> , 2016, 6, 19677.	1.6	68
7	Seasonality in Prediction Skill and Predictable Pattern of Tropical Indian Ocean SST. <i>Journal of Climate</i> , 2015, 28, 7962-7984.	1.2	51
8	An ensemble estimation of the variability of upper-ocean heat content over the tropical Atlantic Ocean with multi-ocean reanalysis products. <i>Climate Dynamics</i> , 2012, 39, 1001-1020.	1.7	46
9	Modulation of El Niño–Southern Oscillation by freshwater flux and salinity variability in the tropical Pacific. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 647-660.	1.9	44
10	The relationship between thermocline depth and SST anomalies in the eastern equatorial Pacific: Seasonality and decadal variations. <i>Geophysical Research Letters</i> , 2015, 42, 4507-4515.	1.5	43
11	Prediction skill of monthly SST in the North Atlantic Ocean in NCEP Climate Forecast System version 2. <i>Climate Dynamics</i> , 2013, 40, 2745-2759.	1.7	41
12	Variability and predictability of Northeast China climate during 1948–2012. <i>Climate Dynamics</i> , 2014, 43, 787-804.	1.7	39
13	On the Challenge for ENSO Cycle Prediction: An Example from NCEP Climate Forecast System, Version 2. <i>Journal of Climate</i> , 2019, 32, 183-194.	1.2	35
14	Climate drift of AMOC, North Atlantic salinity and arctic sea ice in CFSv2 decadal predictions. <i>Climate Dynamics</i> , 2015, 44, 559-583.	1.7	34
15	Contrastive Influence of ENSO and PNA on Variability and Predictability of North American Winter Precipitation. <i>Journal of Climate</i> , 2019, 32, 6271-6284.	1.2	32
16	Prediction Skill of North Pacific Variability in NCEP Climate Forecast System Version 2: Impact of ENSO and Beyond. <i>Journal of Climate</i> , 2014, 27, 4263-4272.	1.2	31
17	ENSO Prediction in Project Minerva: Sensitivity to Atmospheric Horizontal Resolution and Ensemble Size. <i>Journal of Climate</i> , 2015, 28, 2080-2095.	1.2	30
18	Variability of Summer Rainfall in Northeast China and Its Connection with Spring Rainfall Variability in the Huang-Huai Region and Indian Ocean SST. <i>Journal of Climate</i> , 2014, 27, 7086-7101.	1.2	29

#	ARTICLE	IF	CITATIONS
19	Importance of convective parameterization in ENSO predictions. <i>Geophysical Research Letters</i> , 2017, 44, 6334-6342.	1.5	27
20	On the Shortening of the Lead Time of Ocean Warm Water Volume to ENSO SST Since 2000. <i>Scientific Reports</i> , 2017, 7, 4294.	1.6	27
21	Improved reliability of ENSO hindcasts with multi-ocean analyses ensemble initialization. <i>Climate Dynamics</i> , 2013, 41, 2785-2795.	1.7	26
22	Seasonal predictions using a simple ocean initialization scheme. <i>Climate Dynamics</i> , 2017, 49, 3989-4007.	1.7	26
23	Predicting US summer precipitation using NCEP Climate Forecast System version 2 initialized by multiple ocean analyses. <i>Climate Dynamics</i> , 2013, 41, 1941-1954.	1.7	24
24	Simulations of MJO Propagation across the Maritime Continent: Impacts of SST Feedback. <i>Journal of Climate</i> , 2017, 30, 1689-1704.	1.2	24
25	Improving ENSO prediction in a hybrid coupled model with an embedded entrainment temperature parameterisation. <i>International Journal of Climatology</i> , 2013, 33, 343-355.	1.5	22
26	South Pacific Ocean Dipole: A Predictable Mode on Multiseasonal Time Scales. <i>Journal of Climate</i> , 2014, 27, 1648-1658.	1.2	21
27	The Role of Ocean Dynamics in the Interaction between the Atlantic Meridional and Equatorial Modes. <i>Journal of Climate</i> , 2012, 25, 3583-3598.	1.2	19
28	Sea Surface Temperature Predictions in NCEP CFSv2 Using a Simple Ocean Initialization Scheme. <i>Monthly Weather Review</i> , 2015, 143, 3176-3191.	0.5	19
29	Improved seasonal predictive skill and enhanced predictability of the Asian summer monsoon rainfall following ENSO events in NCEP CFSv2 hindcasts. <i>Climate Dynamics</i> , 2019, 52, 3079-3098.	1.7	16
30	Eddy-permitting simulations of the sub-polar North Atlantic: impact of the model bias on water mass properties and circulation. <i>Ocean Dynamics</i> , 2010, 60, 1177-1192.	0.9	14
31	A note on the role of meridional wind stress anomalies and heat flux in ENSO simulations. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 729-738.	1.9	13
32	Improving prediction of two ENSO types using a multi-model ensemble based on stepwise pattern projection model. <i>Climate Dynamics</i> , 2020, 54, 3229-3243.	1.7	13
33	Leading Modes of the Upper-Ocean Temperature Interannual Variability along the Equatorial Atlantic Ocean in NCEP GODAS. <i>Journal of Climate</i> , 2013, 26, 4649-4663.	1.2	11
34	Interannual variability of the South Pacific Ocean in observations and simulated by the NCEP Climate Forecast System, version 2. <i>Climate Dynamics</i> , 2014, 43, 1141-1157.	1.7	11
35	North Atlantic atmospheric and ocean inter-annual variability over the past fifty years – Dominant patterns and decadal shifts. <i>Progress in Oceanography</i> , 2015, 132, 197-219.	1.5	11
36	Simulations of Boreal Summer Intraseasonal Oscillations with the Climate Forecast System, version 2, over India and the Western Pacific: Role of Air–Sea Coupling. <i>Atmosphere - Ocean</i> , 2014, 52, 321-330.	0.6	9

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37	Model simulations of mesoscale eddies and deep convection in the Labrador Sea. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 743-754.	1.9	8
38	Evaluation of the CFSv2 CMIP5 decadal predictions. <i>Climate Dynamics</i> , 2015, 44, 543-557.	1.7	8
39	Influence of surface nudging on climatological mean and ENSO feedbacks in a coupled model. <i>Climate Dynamics</i> , 2018, 50, 571-586.	1.7	8
40	Role of Sea Surface Salinity Feedback in MJO Predictability: A Study with CFSv2. <i>Journal of Climate</i> , 2019, 32, 5745-5759.	1.2	8
41	A nonlinear statistical ensemble model for short-range rainfall prediction. <i>Theoretical and Applied Climatology</i> , 2015, 119, 791-807.	1.3	7
42	Does vertical temperature gradient of the atmosphere matter for El Niño development?. <i>Climate Dynamics</i> , 2017, 48, 1413-1429.	1.7	7
43	Spatial Variability in Seasonal Prediction Skill of SSTs: Inherent Predictability or Forecast Errors?. <i>Journal of Climate</i> , 2018, 31, 613-621.	1.2	7
44	Intraseasonal Surface Salinity Variability and the MJO in a Climate Model. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088997.	1.5	6
45	Dependence of MJO Predictability on Convective Parameterizations. <i>Journal of Climate</i> , 2020, 33, 4739-4750.	1.2	6
46	Estimation of Weather Noise in Coupled Ocean-Atmosphere Systems Using Initialized Simulations. <i>Journal of Climate</i> , 2016, 29, 5675-5688.	1.2	5
47	Improving the simulation of East Asian summer monsoon with mesoscale enhancement in an AGCM. <i>Climate Dynamics</i> , 2019, 53, 225-236.	1.7	5
48	Impact of tropical instability waves-induced SST forcing on the atmosphere in the tropical Pacific, evaluated using CAM5.1. <i>Atmospheric Science Letters</i> , 2014, 15, 186-194.	0.8	3
49	Dominant modes of ensemble mean signal and noise in seasonal forecasts of SST. <i>Climate Dynamics</i> , 2021, 56, 1251-1264.	1.7	3
50	Sea surface temperature predictions using a multi-ocean analysis ensemble scheme. <i>Climate Dynamics</i> , 2017, 49, 1049-1059.	1.7	2
51	Roles of TAO/TRITON and Argo in tropical Pacific observing system: An OSSE study for multiple time scale variability. <i>Journal of Climate</i> , 2021, , 1-56.	1.2	1