Jieshun Zhu

List of Publications by Year
in descending order

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51 papers	1,338 citations	279798 23 h-index	361022 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. Scientific Reports, 2014, 4, 6821.	3.3	92
2	Persistence and Predictions of the Remarkable Warm Anomaly in the Northeastern Pacific Ocean during 2014â€“16. Journal of Climate, 2017, 30, 689-702.	3.2	85
3	The Role of Airâ€“Sea Coupling in Seasonal Prediction of Asiaâ€“Pacific Summer Monsoon Rainfall. Journal of Climate, 2013, 26, 5689-5697.	3.2	77
4	Ensemble ENSO hindcasts initialized from multiple ocean analyses. Geophysical Research Letters, 2012, 39, .	4.0	73
5	The Interdecadal Shift of ENSO Properties in 1999/2000: A Review. Journal of Climate, 2020, 33, 4441-4462.	3.2	71
6	The role of off-equatorial surface temperature anomalies in the 2014 El NiÃ±o prediction. Scientific Reports, 2016, 6, 19677.	3.3	68
7	Seasonality in Prediction Skill and Predictable Pattern of Tropical Indian Ocean SST. Journal of Climate, 2015, 28, 7962-7984.	3.2	51
8	An ensemble estimation of the variability of upper-ocean heat content over the tropical Atlantic Ocean with multi-ocean reanalysis products. Climate Dynamics, 2012, 39, 1001-1020.	3.8	46
9	Modulation of El NiÃ±o-Southern Oscillation by freshwater flux and salinity variability in the tropical Pacific. Advances in Atmospheric Sciences, 2012, 29, 647-660.	4.3	44
10	The relationship between thermocline depth and SST anomalies in the eastern equatorial Pacific: Seasonality and decadal variations. Geophysical Research Letters, 2015, 42, 4507-4515.	4.0	43
11	Prediction skill of monthly SST in the North Atlantic Ocean in NCEP Climate Forecast System version 2. Climate Dynamics, 2013, 40, 2745-2759.	3.8	41
12	Variability and predictability of Northeast China climate during 1948â€“2012. Climate Dynamics, 2014, 43, 787-804.	3.8	39
13	On the Challenge for ENSO Cycle Prediction: An Example from NCEP Climate Forecast System, Version 2. Journal of Climate, 2019, 32, 183-194.	3.2	35
14	Climate drift of AMOC, North Atlantic salinity and arctic sea ice in CFSv2 decadal predictions. Climate Dynamics, 2015, 44, 559-583.	3.8	34
15	Contrastive Influence of ENSO and PNA on Variability and Predictability of North American Winter Precipitation. Journal of Climate, 2019, 32, 6271-6284.	3.2	32
16	Prediction Skill of North Pacific Variability in NCEP Climate Forecast System Version 2: Impact of ENSO and Beyond. Journal of Climate, 2014, 27, 4263-4272.	3.2	31
17	ENSO Prediction in Project Minerva: Sensitivity to Atmospheric Horizontal Resolution and Ensemble Size. Journal of Climate, 2015, 28, 2080-2095.	3.2	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. Journal of Climate, 2014, 27, 7086-7101.	3.2	29

#	Article	IF	Citations
19	Importance of convective parameterization in ENSO predictions. Geophysical Research Letters, 2017, 44, 6334-6342.	4.0	27
20	On the Shortening of the Lead Time of Ocean Warm Water Volume to ENSO SST Since 2000. Scientific Reports, 2017, 7, 4294.	3.3	27
21	Improved reliability of ENSO hindcasts with multi-ocean analyses ensemble initialization. Climate Dynamics, 2013, 41, 2785-2795.	3.8	26
22	Seasonal predictions using a simple ocean initialization scheme. Climate Dynamics, 2017, 49, 3989-4007.	3.8	26
23	Predicting US summer precipitation using NCEP Climate Forecast System version 2 initialized by multiple ocean analyses. Climate Dynamics, 2013, 41, 1941-1954.	3.8	24
24	Simulations of MJO Propagation across the Maritime Continent: Impacts of SST Feedback. Journal of Climate, 2017, 30, 1689-1704.	3.2	24
25	Improving ENSO prediction in a hybrid coupled model with an embedded entrainment temperature parameterisation. International Journal of Climatology, 2013, 33, 343-355.	3.5	22
26	South Pacific Ocean Dipole: A Predictable Mode on Multiseasonal Time Scales. Journal of Climate, 2014, 27, 1648-1658.	3.2	21
27	The Role of Ocean Dynamics in the Interaction between the Atlantic Meridional and Equatorial Modes. Journal of Climate, 2012, 25, 3583-3598.	3.2	19
28	Sea Surface Temperature Predictions in NCEP CFSv2 Using a Simple Ocean Initialization Scheme. Monthly Weather Review, 2015, 143, 3176-3191.	1.4	19
29	Improved seasonal predictive skill and enhanced predictability of the Asian summer monsoon rainfall following ENSO events in NCEP CFSv2 hindcasts. Climate Dynamics, 2019, 52, 3079-3098.	3.8	16
30	Eddy-permitting simulations of the sub-polar North Atlantic: impact of the model bias on water mass properties and circulation. Ocean Dynamics, 2010, 60, 1177-1192.	2.2	14
31	A note on the role of meridional wind stress anomalies and heat flux in ENSO simulations. Advances in Atmospheric Sciences, 2007, 24, 729-738.	4.3	13
32	Improving prediction of two ENSO types using a multi-model ensemble based on stepwise pattern projection model. Climate Dynamics, 2020, 54, 3229-3243.	3.8	13
33	Leading Modes of the Upper-Ocean Temperature Interannual Variability along the Equatorial Atlantic Ocean in NCEP GODAS. Journal of Climate, 2013, 26, 4649-4663.	3.2	11
34	Interannual variability of the South Pacific Ocean in observations and simulated by the NCEP Climate Forecast System, version 2. Climate Dynamics, 2014, 43, 1141-1157.	3.8	11
35	North Atlantic atmospheric and ocean inter-annual variability over the past fifty years â€“ Dominant patterns and decadal shifts. Progress in Oceanography, 2015, 132, 197-219.	3.2	11
36	Simulations of Boreal Summer Intraseasonal Oscillations with the Climate Forecast System, version 2, over India and the Western Pacific: Role of Airâ€“Sea Coupling. Atmosphere - Ocean, 2014, 52, 321-330.	1.6	9

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37	Model simulations of mesoscale eddies and deep convection in the Labrador Sea. Advances in Atmospheric Sciences, 2014, 31, 743-754.	4.3	8
38	Evaluation of the CFSv2 CMIP5 decadal predictions. Climate Dynamics, 2015, 44, 543-557.	3.8	8
39	Influence of surface nudging on climatological mean and ENSO feedbacks in a coupled model. Climate Dynamics, 2018, 50, 571-586.	3.8	8
40	Role of Sea Surface Salinity Feedback in MJO Predictability: A Study with CFSv2. Journal of Climate, 2019, 32, 5745-5759.	3.2	8
41	A nonlinear statistical ensemble model for short-range rainfall prediction. Theoretical and Applied Climatology, 2015, 119, 791-807.	2.8	7
42	Does vertical temperature gradient of the atmosphere matter for El NiÃ±o development?. Climate Dynamics, 2017, 48, 1413-1429.	3.8	7
43	Spatial Variability in Seasonal Prediction Skill of SSTs: Inherent Predictability or Forecast Errors?. Journal of Climate, 2018, 31, 613-621.	3.2	7
44	Intraseasonal Surface Salinity Variability and the MJO in a Climate Model. Geophysical Research Letters, 2020, 47, e2020GL088997.	4.0	6
45	Dependence of MJO Predictability on Convective Parameterizations. Journal of Climate, 2020, 33, 4739-4750.	3.2	6
46	Estimation of Weather Noise in Coupled Oceanâ€“Atmosphere Systems Using Initialized Simulations. Journal of Climate, 2016, 29, 5675-5688.	3.2	5
47	Improving the simulation of East Asian summer monsoon with mesoscale enhancement in an AGCM. Climate Dynamics, 2019, 53, 225-236.	3.8	5
48	Impact of tropical instability wavesâ€induced <scp>SST</scp> forcing on the atmosphere in the tropical Pacific, evaluated using <scp>CAM5</scp>.1. Atmospheric Science Letters, 2014, 15, 186-194.	1.9	3
49	Dominant modes of ensemble mean signal and noise in seasonal forecasts of SST. Climate Dynamics, 2021, 56, 1251-1264.	3.8	3
50	Sea surface temperature predictions using a multi-ocean analysis ensemble scheme. Climate Dynamics, 2017, 49, 1049-1059.	3.8	2
51	Roles of TAO/TRITON and Argo in tropical Pacific observing system: An OSSE study for multiple time scale variability. Journal of Climate, 2021, , 1-56.	3.2	1