Yoo-Geun Ham

List of Publications by Year
in descending order

71 papers	4,440 citations	201385 27 h-index	114278 63 g-index
73 all docs	73 docs citations	73 times ranked	3797 citing authors

#	Article	IF	Citations
1	El NiÃ±oâ€"Southern Oscillation complexity. Nature, 2018, 559, 535-545.	13.7	702
2	Deep learning for multi-year ENSO forecasts. Nature, 2019, 573, 568-572.	13.7	546
3	Sea surface temperature in the north tropical Atlantic as a trigger for El NiÃ±o/Southern Oscillation events. Nature Geoscience, 2013, 6, 112-116.	5.4	421
4	Pantropical climate interactions. Science, 2019, 363, .	6.0	419
5	Climate impacts of the El NiÃ±oâ€"Southern Oscillation on South America. Nature Reviews Earth & Environment, 2020, 1, 215-231.	12.2	318
6	Changing El NiÃ±oâ€"Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644.	12.2	197
7	How well do current climate models simulate two types of El Nino?. Climate Dynamics, 2012, 39, 383-398.	1.7	155
8	Two distinct roles of Atlantic SSTs in ENSO variability: North Tropical Atlantic SST and Atlantic NiÃ±o. Geophysical Research Letters, 2013, 40, 4012-4017.	1.5	143
9	Changes in the Tropical Pacific SST Trend from CMIP3 to CMIP5 and Its Implication of ENSO. Journal of Climate, 2012, 25, 7764-7771.	1.2	77
10	MJO Propagation Across the Maritime Continent: Are CMIP6 Models Better Than CMIP5 Models?. Geophysical Research Letters, 2020, 47, e2020GL087250.	1.5	77
11	Changes in El NiÃ±o and La NiÃ±a teleconnections over North Pacificâ€"America in the global warming simulations. Theoretical and Applied Climatology, 2010, 100, 275-282.	1.3	76
12	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.	1.7	75
13	Successive Modulation of ENSO to the Future Greenhouse Warming. Journal of Climate, 2008, 21, 3-21.	1.2	72
14	On the Role of SST Forcing in the 2011 and 2012 Extreme U.S. Heat and Drought: A Study in Contrasts. Journal of Hydrometeorology, 2014, 15, 1255-1273.	0.7	65
15	Improved simulation of two types of El NiÃ±o in CMIP5 models. Environmental Research Letters, 2012, 7, 034002.	2.2	60
16	The Record-Breaking Heat Wave in 2016 over South Korea and Its Physical Mechanism. Monthly Weather Review, 2018, 146, 1463-1474.	0.5	59
17	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.	1.3	58
18	Improvement of ENSO Simulation Based on Intermodel Diversity. Journal of Climate, 2015, 28, 998-1015.	1.2	56

#	Article	IF	Citations
19	Role of north tropical atlantic SST on the ENSO simulated using CMIP3 and CMIP5 models. Climate Dynamics, 2015, 45, 3103-3117.	1.7	54
20	Impact of diurnal atmosphereâ€“ocean coupling on tropical climate simulations using a coupled GCM. Climate Dynamics, 2010, 34, 905-917.	1.7	44
21	The weakening of the ENSOâ€“Indian Ocean Dipole (IOD) coupling strength in recent decades. Climate Dynamics, 2017, 49, 249-261.	1.7	44
22	ENSO amplitude changes due to greenhouse warming in CMIP5: Role of mean tropical precipitation in the twentieth century. Geophysical Research Letters, 2016, 43, 422-430.	1.5	39
23	Decadal prediction skill in the GEOS-5 forecast system. Climate Dynamics, 2014, 42, 1-20.	1.7	36
24	ENSO phase-locking to the boreal winter in CMIP3 and CMIP5 models. Climate Dynamics, 2014, 43, 305-318.	1.7	36
25	What controls phase-locking of ENSO to boreal winter in coupled GCMs?. Climate Dynamics, 2013, 40, 1551-1568.	1.7	34
26	Role of moist energy advection in formulating anomalous Walker Circulation associated with El NiÃ±o. Journal of Geophysical Research, 2007, 112, .	3.3	33
27	Hysteresis of the intertropical convergence zone to CO2 forcing. Nature Climate Change, 2022, 12, 47-53.	8.1	32
28	Do We Need to Parameterize Mesoscale Convective Organization to Mitigate the MJOâ€Mean State Tradeâ€Off?. Geophysical Research Letters, 2019, 46, 2293-2301.	1.5	30
29	The Inverse Effect of Annual-Mean State and Annual-Cycle Changes on ENSO. Journal of Climate, 2010, 23, 1095-1110.	1.2	28
30	Role of Maritime Continent Land Convection on the Mean State and MJO Propagation. Journal of Climate, 2020, 33, 1659-1675.	1.2	26
31	Deep learning for bias correction of MJO prediction. Nature Communications, 2021, 12, 3087.	5.8	25
32	El NiÃ±o events will intensify under global warming. Nature, 2018, 564, 192-193.	13.7	24
33	New approach for optimal perturbation method in ensemble climate prediction with empirical singular vector. Climate Dynamics, 2010, 35, 331-340.	1.7	23
34	Tropical Atlantic-Korea teleconnection pattern during boreal summer season. Climate Dynamics, 2017, 49, 2649-2664.	1.7	23
35	Improvement of seasonal forecasts with inclusion of tropical instability waves on initial conditions. Climate Dynamics, 2011, 36, 1277-1290.	1.7	21
36	Role of tropical atlantic SST variability as a modulator of El NiÃ±o teleconnections. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 247-261.	1.3	21

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37	Climate responses in the tropical pacific associated with atlantic warming in recent decades. Asia-Pacific Journal of Atmospheric Sciences, 2013, 49, 209-217.	1.3	20
38	Improvement of Initialized Decadal Predictions over the North Pacific Ocean by Systematic Anomaly Pattern Correction. Journal of Climate, 2014, 27, 5148-5162.	1.2	17
39	Seasonal-to-Interannual Prediction Skills of Near-Surface Air Temperature in the CMIP5 Decadal Hindcast Experiments. Journal of Climate, 2016, 29, 1511-1527.	1.2	17
40	A reduction in the asymmetry of ENSO amplitude due to global warming: The role of atmospheric feedback. Geophysical Research Letters, 2017, 44, 8576-8584.	1.5	16
41	Inverse relationship between present-day tropical precipitation and its sensitivity to greenhouse warming. Nature Climate Change, 2018, 8, 64-69.	8.1	16
42	Optimal Initial Perturbations for Ensemble Prediction of the Maddenâ€"Julian Oscillation during Boreal Winter. Journal of Climate, 2012, 25, 4932-4945.	1.2	14
43	Indian Ocean Feedback to the ENSO Transition in a Multimodel Ensemble. Journal of Climate, 2012, 25, 6942-6957.	1.2	14
44	An assessment of the ENSO forecast skill of GEOS-5 system. Climate Dynamics, 2014, 43, 2415-2430.	1.7	14
45	Record-breaking summer rainfall in South Korea in 2020: Synoptic characteristics and the role of large-scale circulations. Monthly Weather Review, 2021, , .	0.5	14
46	Optimal initial perturbations for El Nino ensemble prediction with ensemble Kalman filter. Climate Dynamics, 2009, 33, 959-973.	1.7	12
47	Interâ€Basin Interaction Between Variability in the South Atlantic Ocean and the El NiÃ±o/Southern Oscillation. Geophysical Research Letters, 2021, 48, e2021GL093338.	1.5	10
48	A possible explanation on the changes in the spatial structure of ENSO from CMIP3 to CMIP5. Geophysical Research Letters, 2014, 41, 140-145.	1.5	9
49	Marginal sea surface temperature variation as a pre-cursor of heat waves over the Korean Peninsula. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 445-455.	1.3	9
50	Atlanticâ€Pacific SST Gradient Change Responsible for the Weakening of North Tropical Atlanticâ€ENSO Relationship due to Global Warming. Geophysical Research Letters, 2019, 46, 7574-7582.	1.5	9
51	Mechanism of skillful seasonal surface chlorophyll prediction over the southern Pacific using a global earth system model. Climate Dynamics, 2021, 56, 45-64.	1.7	9
52	A possible mechanism for El NiÃ±oâ€like warming in response to the future greenhouse warming. International Journal of Climatology, 2011, 31, 1567-1572.	1.5	8
53	El-Nino Southern Oscillation simulated and predicted in SNU coupled GCMs. Climate Dynamics, 2012, 38, 2227-2242.	1.7	8
54	Inter-decadal variation of the Tropical Atlantic-Korea (TA-K) teleconnection pattern during boreal summer season. Climate Dynamics, 2018, 51, 2609-2621.	1.7	8

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55	Present-day constraint for tropical Pacific precipitation changes due to global warming in CMIP5 models. Asia-Pacific Journal of Atmospheric Sciences, 2016, 52, 459-466.	1.3	7
56	Impact of Two Distinct Teleconnection Patterns Induced by Western Central Pacific SST Anomalies on Korean Temperature Variability during the Early Boreal Summer. Journal of Climate, 2016, 29, 743-759.	1.2	6
57	Coupled bred vectors in the tropical Pacific and their application to ENSO prediction. Progress in Oceanography, 2012, 105, 90-101.	1.5	5
58	Critical Role of Tropical North Atlantic SSTA in Boreal Summer in Affecting Subsequent ENSO Evolution. Geophysical Research Letters, 2022, 49, .	1.5	5
59	Growingâ€error correction of ensemble Kalman filter using empirical singular vectors. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 2051-2060.	1.0	4
60	Future Changes in Extreme El NiÃ±o Events Modulated by North Tropical Atlantic Variability. Geophysical Research Letters, 2018, 45, 6646-6653.	1.5	4
61	Role of Sea Surface Temperature over the Kuroshio Extension Region on Heavy Rainfall Events over the Korean Peninsula. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 19-29.	1.3	4
62	Flow-dependent empirical singular vector with an ensemble Kalman filter data assimilation for El Nino prediction. Climate Dynamics, 2012, 39, 1727-1738.	1.7	3
63	Changes in Independency between Two Types of El NiÃ±o Events under a Greenhouse Warming Scenario in CMIP5 Models. Journal of Climate, 2015, 28, 7561-7575.	1.2	3
64	The Origin of Systematic Forecast Errors of Extreme 2020 East Asian Summer Monsoon Rainfall in GloSea5. Geophysical Research Letters, 2021, 48, e2021GL094179.	1.5	3
65	A distinct sub-seasonal modulation in the Atlantic-originated atmospheric teleconnection influence on East Asian monthly climates. Environmental Research Letters, 2021, 16, 014033.	2.2	3
66	Large-Scale Sea Surface Temperature Forcing Contributed to the 2013â€"17 Record-Breaking Meteorological Drought in the Korean Peninsula. Journal of Climate, 2022, 35, 3767-3783.	1.2	3
67	Importance of mean state in simulating different types of El NiÃ±o revealed by SNU coupled GCMs. Progress in Oceanography, 2013, 116, 130-141.	1.5	2
68	Role of the eastern subtropical North Pacific Ocean on the El NiÃ±oâ€™s transition processes. Climate Dynamics, 2021, 56, 1285-1301.	1.7	2
69	Interacting Interannual Variability of the Pacific and Atlantic Oceans. , 2020, , 120-152.		2
70	Rectification Feedback of High-Frequency Atmospheric Variability into Low-Frequency Zonal Flows in the Tropical Pacific. Journal of Climate, 2012, 25, 5088-5101.	1.2	1
71	Deep Learning for Predicting Winter Temperature in North China. Atmosphere, 2022, 13, 702.	1.0	1