

# Ruiqiang Ding

## List of Publications by Year in descending order

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117  
papers

2,515  
citations

218677

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243625

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all docs

118  
docs citations

118  
times ranked

1935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relative contributions to ENSO of the seasonal footprinting and trade wind charging mechanisms associated with the Victoria mode. <i>Climate Dynamics</i> , 2023, 60, 47-63.	3.8	7
2	Influence of the NAO on Wintertime Surface Air Temperature over East Asia: Multidecadal Variability and Decadal Prediction. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 625-642.	4.3	30
3	Predictability Limit of Monsoon Intraseasonal Precipitation: An Implication of Central Indian Ocean Mode. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	4
4	A New Technique to Quantify the Local Predictability of Extreme Events: The Backward Nonlinear Local Lyapunov Exponent Method. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	4
5	Influence of the North Pacific Victoria Mode on the Spring Persistence Barrier of ENSO. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
6	On the Asymmetry of the Tropical Pacific Thermocline Fluctuation Associated With ENSO Recharge and Discharge. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	3
7	Multi-year El Niño events tied to the North Pacific Oscillation. <i>Nature Communications</i> , 2022, 13, .	12.8	25
8	Atlantic Meridional Overturning Circulation reconstructions and instrumentally observed multidecadal climate variability: A comparison of indicators. <i>International Journal of Climatology</i> , 2021, 41, 763-778.	3.5	15
9	On the connection between AMOC and observed land precipitation in Northern Hemisphere: a comparison of the AMOC indicators. <i>Climate Dynamics</i> , 2021, 56, 651-664.	3.8	3
10	Potential predictability of the MJO during easterly and westerly phases of the QBO. <i>Climate Dynamics</i> , 2021, 57, 717-726.	3.8	2
11	Evaluation of the performance of CMIP5 and CMIP6 models in simulating the South Pacific Quadrupole-ENSO relationship. <i>Atmospheric and Oceanic Science Letters</i> , 2021, 14, 100057.	1.3	6
12	Influence of the North American Dipole on ENSO onset as simulated by a coupled ocean-Atmosphere model. <i>Atmospheric and Oceanic Science Letters</i> , 2021, 14, 100058.	1.3	0
13	The North Pacific Blob acts to increase the predictability of the Atlantic warm pool. <i>Environmental Research Letters</i> , 2021, 16, 064034.	5.2	6
14	Application of Backward Nonlinear Local Lyapunov Exponent Method to Assessing the Relative Impacts of Initial Condition and Model Errors on Local Backward Predictability. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1486-1496.	4.3	3
15	The Predictability Limit of Ocean Mesoscale Eddy Tracks in the Kuroshio Extension Region. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	1
16	Evaluation of the Performance of CMIP5 and CMIP6 Models in Simulating the Victoria Mode-El Niño Relationship. <i>Journal of Climate</i> , 2021, 34, 7625-7644.	3.2	6
17	Evaluation of the Performance of CMIP5 and CMIP6 Models in Simulating the Victoria Mode-El Niño Relationship. <i>Journal of Climate</i> , 2021, 34, 7625-7644.	3.2	6
18	On the Differences Between the South Pacific Meridional and Quadrupole Modes. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015500.	2.6	6

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19	Could the North Pacific Oscillation Be Modified by the Initiation of the East Asian Winter Monsoon?. <i>Journal of Climate</i> , 2020, 33, 2389-2406.	3.2	4
20	An inter-basin teleconnection from the North Atlantic to the subarctic North Pacific at multidecadal time scales. <i>Climate Dynamics</i> , 2020, 54, 807-822.	3.8	16
21	Model Forecast Error Correction Based on the Local Dynamical Analog Method: An Example Application to the ENSO Forecast by an Intermediate Coupled Model. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088986.	4.0	7
22	Contributions of tropical-extratropical oceans to the prediction skill of ENSO after 2000. <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 338-345.	1.3	5
23	The predictability limit of the amplitude and phase of the Madden-Julian oscillation. <i>Atmospheric Science Letters</i> , 2020, 21, e968.	1.9	4
24	Quantitative study of the relative effects of initial condition and model uncertainties on local predictability in a nonlinear dynamical system. <i>Chaos, Solitons and Fractals</i> , 2020, 139, 110094.	5.1	10
25	Quantitative Comparison of Predictabilities of Warm and Cold Events Using the Backward Nonlinear Local Lyapunov Exponent Method. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 951-958.	4.3	8
26	Enhancing the ENSO Predictability beyond the Spring Barrier. <i>Scientific Reports</i> , 2020, 10, 984.	3.3	34
27	Joint impact of North Pacific Victoria mode and South Pacific Quadrapole mode on Pacific ITCZ summer precipitation. <i>Climate Dynamics</i> , 2020, 54, 4545-4561.	3.8	3
28	An Estimate of the Relative Contributions of Sea Surface Temperature Variations in Various Regions to Stratospheric Change. <i>Journal of Climate</i> , 2020, 33, 4993-5011.	3.2	4
29	Is the North Pacific Victoria Mode a Predictor of Winter Rainfall over South China?. <i>Journal of Climate</i> , 2020, 33, 8833-8847.	3.2	7
30	Predictability of Ensemble Forecasting Estimated Using the Kullback-Leibler Divergence in the Lorenz Model. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 837-846.	4.3	5
31	Nonlinear response of Northern Hemisphere stratospheric polar vortex to the Indo-Pacific warm pool (IPWP) Niño. <i>Scientific Reports</i> , 2019, 9, 13719.	3.3	4
32	Tropical cyclones act to intensify El Niño. <i>Nature Communications</i> , 2019, 10, 3793.	12.8	24
33	Recent Acceleration of Arabian Sea Warming Induced by the Atlantic-Western Pacific Trans-basin Multidecadal Variability. <i>Geophysical Research Letters</i> , 2019, 46, 1662-1671.	4.0	59
34	Interdecadal change in the lagged relationship between the Victoria mode and ENSO. <i>Atmospheric and Oceanic Science Letters</i> , 2019, 12, 294-301.	1.3	3
35	Effects of Arctic stratospheric ozone changes on spring precipitation in the northwestern United States. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 861-875.	4.9	16
36	Relative Contributions of North and South Pacific Sea Surface Temperature Anomalies to ENSO. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6222-6237.	3.3	13

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37	Determination of the Backward Predictability Limit and Its Relationship with the Forward Predictability Limit. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 669-677.	4.3	8
38	Linking the North American Dipole to the Pacific Meridional Mode. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3020-3034.	3.3	9
39	Interdecadal changes in potential predictability of the summer monsoon in East Asia and South Asia. <i>Atmospheric Science Letters</i> , 2019, 20, e890.	1.9	4
40	An Investigation of the Differences between the North American Dipole and North Atlantic Oscillation. <i>Atmosphere</i> , 2019, 10, 58.	2.3	3
41	Inter-decadal change in potential predictability of the East Asian summer monsoon. <i>Theoretical and Applied Climatology</i> , 2019, 136, 403-415.	2.8	10
42	The Relationship between Deterministic and Ensemble Mean Forecast Errors Revealed by Global and Local Attractor Radii. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 271-278.	4.3	5
43	Spring Aleutian Low Weakening and Surface Cooling Trend in Northwest North America During Recent Decades. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12078-12092.	3.3	11
44	NAO implicated as a predictor of the surface air temperature multidecadal variability over East Asia. <i>Climate Dynamics</i> , 2019, 53, 895-905.	3.8	30
45	Influence of the North Pacific Victoria mode on western North Pacific tropical cyclone genesis. <i>Climate Dynamics</i> , 2019, 52, 245-256.	3.8	25
46	Comparison of Nonlinear Local Lyapunov Vectors and Bred Vectors in Estimating the Spatial Distribution of Error Growth. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 1073-1087.	1.7	12
47	Effect of the Indo-Pacific Warm Pool on Lower-Stratospheric Water Vapor and Comparison with the Effect of ENSO. <i>Journal of Climate</i> , 2018, 31, 929-943.	3.2	20
48	The application of nonlinear local Lyapunov vectors to the Zebiak-Cane model and their performance in ensemble prediction. <i>Climate Dynamics</i> , 2018, 51, 283-304.	3.8	13
49	Cross-Seasonal Influence of the SAM on Southern Hemisphere Extratropical SST and its Relationship with Meridional Circulation in CMIP5 models. <i>International Journal of Climatology</i> , 2018, 38, 1499-1519.	3.5	9
50	Does Extreme El Niño Have a Different Effect on the Stratosphere in Boreal Winter Than Its Moderate Counterpart?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3071-3086.	3.3	17
51	The effects of the Indo-Pacific warm pool on the stratosphere. <i>Climate Dynamics</i> , 2018, 51, 4043-4064.	3.8	18
52	Oceanic forcing of the interhemispheric SST dipole associated with the Atlantic Multidecadal Oscillation. <i>Environmental Research Letters</i> , 2018, 13, 074026.	5.2	13
53	Re-Examination of the Decadal Change in the Relationship between the East Asian Summer Monsoon and Indian Ocean SST. <i>Atmosphere</i> , 2018, 9, 395.	2.3	4
54	Influence of South Pacific quadrupole on austral winter precipitation over the SPCZ. <i>Environmental Research Letters</i> , 2018, 13, 094024.	5.2	4

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55	Estimating the Predictability Limit of Tropical Cyclone Tracks over the Western North Pacific Using Observational Data. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1491-1504.	4.3	4
56	Improved Global Surface Temperature Simulation using Stratospheric Ozone Forcing with More Accurate Variability. <i>Scientific Reports</i> , 2018, 8, 14474.	3.3	6
57	Asymmetric Response of Predictability of East Asian Summer Monsoon to ENSO. <i>Scientific Online Letters on the Atmosphere</i> , 2018, 14, 52-56.	1.4	7
58	Dominant SST Mode in the Southern Hemisphere Extratropics and Its Influence on Atmospheric Circulation. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 881-895.	4.3	8
59	Asymmetry of the Predictability Limit of the Warm ENSO Phase. <i>Geophysical Research Letters</i> , 2018, 45, 7646-7653.	4.0	9
60	Influences of the North Pacific Victoria Mode on the South China Sea Summer Monsoon. <i>Atmosphere</i> , 2018, 9, 229.	2.3	21
61	Attractor radius and global attractor radius and their application to the quantification of predictability limits. <i>Climate Dynamics</i> , 2018, 51, 2359-2374.	3.8	15
62	Predictability of Tropical Cyclone Intensity over the Western North Pacific Using the IBTrACS Dataset. <i>Monthly Weather Review</i> , 2018, 146, 2741-2755.	1.4	8
63	An ENSO prediction approach based on ocean conditions and ocean-atmosphere coupling. <i>Climate Dynamics</i> , 2017, 48, 2025-2044.	3.8	29
64	Relationships between the extratropical ENSO precursor and leading modes of atmospheric variability in the Southern Hemisphere. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 360-370.	4.3	7
65	The warm Blob in the northeast Pacific—the bridge leading to the 2015/16 El Niño. <i>Environmental Research Letters</i> , 2017, 12, 054019.	5.2	65
66	Influence of the preceding austral summer Southern Hemisphere annular mode on the amplitude of ENSO decay. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1358-1379.	4.3	10
67	Determining the spectrum of the nonlinear local Lyapunov exponents in a multidimensional chaotic system. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1027-1034.	4.3	12
68	Cold season Africa-Asia multidecadal teleconnection pattern and its relation to the Atlantic multidecadal variability. <i>Climate Dynamics</i> , 2017, 48, 3903-3918.	3.8	41
69	Western tropical Pacific multidecadal variability forced by the Atlantic multidecadal oscillation. <i>Nature Communications</i> , 2017, 8, 15998.	12.8	202
70	Baseline predictability of daily east Asian summer monsoon circulation indices. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017, 53, 243-256.	2.3	2
71	Linking a sea level pressure anomaly dipole over North America to the central Pacific El Niño. <i>Climate Dynamics</i> , 2017, 49, 1321-1339.	3.8	31
72	Optimal Evolutionary Window for the Nonlinear Local Lyapunov Exponent. <i>Scientific Online Letters on the Atmosphere</i> , 2017, 13, 125-129.	1.4	0

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73	Joint impact of North and South Pacific extratropical atmospheric variability on the onset of ENSO events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 279-298.	3.3	50
74	A connection from Arctic stratospheric ozone to El Niño-Southern oscillation. <i>Environmental Research Letters</i> , 2016, 11, 124026.	5.2	80
75	Comparison of nonlinear local Lyapunov vectors with bred vectors, random perturbations and ensemble transform Kalman filter strategies in a barotropic model. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 1036-1046.	4.3	13
76	Strengthening relationship between ENSO and western Russian summer surface temperature. <i>Geophysical Research Letters</i> , 2016, 43, 843-851.	4.0	29
77	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
78	Estimating the limit of decadal-scale climate predictability using observational data. <i>Climate Dynamics</i> , 2016, 46, 1563-1580.	3.8	42
79	The Victoria mode in the North Pacific linking extratropical sea level pressure variations to ENSO. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 27-45.	3.3	131
80	Influence of the North Pacific Victoria mode on the Pacific ITCZ summer precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 964-979.	3.3	47
81	The impact of South Pacific extratropical forcing on ENSO and comparisons with the North Pacific. <i>Climate Dynamics</i> , 2015, 44, 2017-2034.	3.8	93
82	Abnormal thermal effects on the surface plasmon resonance of Ag nanoparticles on the surface of silicon. <i>Thin Solid Films</i> , 2015, 584, 378-381.	1.8	3
83	Special P-N Junction Photocatalytic NiO/Ag <sub>2</sub> S Nanocomposite Synthesized by Hydrothermal Method. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 387-391.	0.4	3
84	The Application of Nonlinear Local Lyapunov Vectors to Ensemble Predictions in Lorenz Systems. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 3554-3567.	1.7	34
85	The application of localized surface plasmons resonance in Ag nanoparticles assisted Si chemical etching. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	12
86	Ordering Ag nanowire arrays by spontaneous spreading of volatile droplet on solid surface. <i>Scientific Reports</i> , 2014, 4, 6742.	3.3	31
87	Temporal-spatial distribution of the predictability limit of monthly sea surface temperature in the global oceans. <i>International Journal of Climatology</i> , 2013, 33, 1936-1947.	3.5	57
88	Efficient sorting design on a novel embedded parallel computing architecture with unique memory access. <i>Computers and Electrical Engineering</i> , 2013, 39, 2100-2111.	4.8	3
89	Enhanced the performance of dye-sensitized solar cells with a novel photoanode using TiO <sub>2</sub> nanoflower clusters and nanoparticles. <i>Materials Letters</i> , 2013, 107, 210-213.	2.6	27
90	Luminescence, magnetism and structures of 1D 3-pyridin-yl-benzoic lanthanide coordination complexes. <i>Synthetic Metals</i> , 2013, 164, 32-37.	3.9	5

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91	Fabrication of acid-controllable TiO <sub>2</sub> microstructures: Morphology and photocatalytic activity analysis. , 2013, , .		0
92	Dynamics and Predictability of High-Impact Weather and Climate Events. Bulletin of the American Meteorological Society, 2013, 94, ES179-ES182.	3.3	7
93	Sea surface temperature inter-hemispheric dipole and its relation to tropical precipitation. Environmental Research Letters, 2013, 8, 044006.	5.2	27
94	Influences of ENSO Teleconnection on the Persistence of Sea Surface Temperature in the Tropical Indian Ocean. Journal of Climate, 2012, 25, 8177-8195.	3.2	26
95	Progress in the study of nonlinear atmospheric dynamics and predictability of weather and climate in China (2007-2011). Advances in Atmospheric Sciences, 2012, 29, 1048-1062.	4.3	1
96	Relationships between the limit of predictability and initial error in the uncoupled and coupled Lorenz models. Advances in Atmospheric Sciences, 2012, 29, 1078-1088.	4.3	13
97	A novel 3D 4-(1H-1,2,4-triazol-1-ylmethyl)benzoate cadmium coordination polymer. Synthetic Metals, 2012, 162, 1894-1897.	3.9	4
98	Comparisons of two ensemble mean methods in measuring the average error growth and the predictability. Journal of Meteorological Research, 2011, 25, 395-404.	1.0	8
99	Winter Persistence Barrier of Sea Surface Temperature in the Northern Tropical Atlantic Associated with ENSO. Journal of Climate, 2011, 24, 2285-2299.	3.2	9
100	Estimate of the Predictability of Boreal Summer and Winter Intraseasonal Oscillations from Observations. Monthly Weather Review, 2011, 139, 2421-2438.	1.4	54
101	Temporal-Spatial Distribution of Atmospheric Predictability Limit by Local Dynamical Analogs. Monthly Weather Review, 2011, 139, 3265-3283.	1.4	92
102	Interdecadal shift in the relationship between the East Asian summer monsoon and the tropical Indian Ocean. Climate Dynamics, 2010, 34, 1059-1071.	3.8	124
103	Predictability of the Madden-Julian Oscillation Estimated Using Observational Data. Monthly Weather Review, 2010, 138, 1004-1013.	1.4	53
104	Decadal cooling in the Indian summer monsoon after 1997/1998 El Niño and its impact on the East Asian summer monsoon. Geophysical Research Letters, 2010, 37, .	4.0	14
105	Long-Term Trend and Decadal Variability of Persistence of Daily 500-mb Geopotential Height Anomalies during Boreal Winter. Monthly Weather Review, 2009, 137, 3519-3534.	1.4	3
106	Decadal and seasonal dependence of North Pacific sea surface temperature persistence. Journal of Geophysical Research, 2009, 114, .	3.3	21
107	Decadal change of January and July persistence of monthly mean 500 hPa geopotential height anomalies. Geophysical Research Letters, 2008, 35, .	4.0	4
108	Trends and interdecadal changes of weather predictability during 1950s-1990s. Journal of Geophysical Research, 2008, 113, .	3.3	24

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109	Nonlinear finite-time Lyapunov exponent and predictability. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 364, 396-400.	2.1	133
110	Nonlinear atmospheric and climate dynamics in China (2003–2006): A review. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 1077-1085.	4.3	9
111	Nonlinear local Lyapunov exponent and atmospheric predictability research. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 1111-1120.	0.9	37
112	Decadal change of the spring dust storm in northwest China and the associated atmospheric circulation. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	108
113	Decadal Coupled Ocean–Atmosphere Interaction in North Atlantic and Global Warming Hiatus. , 0, , 131-143.		6
114	Relationship between the Predictability Limit and Initial Error in Chaotic Systems. , 0, , .		4
115	Influence of the North Pacific Victoria Mode on the Madden–Julian Oscillation. <i>Frontiers in Earth Science</i> , 0, 8, .	1.8	2
116	Investigating decadal variations of the seasonal predictability limit of sea surface temperature in the tropical Pacific. <i>Climate Dynamics</i> , 0, , 1.	3.8	4
117	Preceding winter Okhotsk Sea ice as a precursor to the following winter extreme precipitation in South China. <i>Atmospheric Science Letters</i> , 0, , .	1.9	0