

The JRA-55 Reanalysis: General Specifications and Basic

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Charge and discharge of polar cold air mass in northern hemispheric winter. Geophysical Research Letters, 2015, 42, 7187-7193.	4.0	26
2	Southern Hemisphere extratropical circulation: Recent trends and natural variability. Geophysical Research Letters, 2015, 42, 5508-5515.	4.0	42
3	Changes in the geopotential height at 500hPa under the influence of external climatic forcings. Geophysical Research Letters, 2015, 42, 10,798.	4.0	45
4	New estimates of tropical mean temperature trend profiles from zonal mean historical radiosonde and pilot balloon wind shear observations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3700-3713.	3.3	3
5	Future Projections of Extreme Ocean Wave Climates and the Relation to Tropical Cyclones: Ensemble Experiments of MRI-AGCM3.2H*. Journal of Climate, 2015, 28, 9838-9856.	3.2	28
6	Influential Role of Moisture Supply from the Kuroshio/Kuroshio Extension in the Rapid Development of an Extratropical Cyclone. Monthly Weather Review, 2015, 143, 4126-4144.	1.4	56
7	An Oceanic Impact of the Kuroshio on Surface Air Temperature on the Pacific Coast of Japan in Summer: Regional H ₂ O Greenhouse Gas Effect. Journal of Climate, 2015, 28, 7128-7144.	3.2	10
8	Intraseasonal Variability and Seasonal March of the Moist Static Energy Budget over the Eastern Maritime Continent during CINDY2011/DYNAMO. Journal of the Meteorological Society of Japan, 2015, 93A, 81-100.	1.8	22
9	Interdecadal change of Eurasian snow, surface temperature, and atmospheric circulation in the late 1980s. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2738-2753.	3.3	83
10	Mechanisms and predictability of multiyear ecosystem variability in the North Pacific. Global Biogeochemical Cycles, 2015, 29, 2001-2019.	4.9	11
11	Multiannual forecasts of Atlantic U.S. tropical cyclone wind damage potential. Geophysical Research Letters, 2015, 42, 2417-2425.	4.0	23
12	Zonally uniform tidal oscillations in the tropical stratosphere. Geophysical Research Letters, 2015, 42, 9553-9560.	4.0	3
13	FUTURE PROJECTION OF WINTER WAVE CLIMATE AND LARGE-SCALE CIRCULATION OVER THE NORTH PACIFIC. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, 1_1525-1_1530.	0.4	0
14	Seasonal Onset of the Madden-Julian Oscillation and its Relation to the Southeastern Indian Ocean Cooling. Journal of the Meteorological Society of Japan, 2015, 93A, 139-156.	1.8	7
15	Heavy Snowfall in Kanto and on the Pacific Ocean Side of Northern Japan Associated with Western Pacific Blocking. Scientific Online Letters on the Atmosphere, 2015, 11, 59-64.	1.4	20
16	LONG-TERM WAVE HINDCASTS AND WAVE CLIMATE ANALYSIS BY JRA-55. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2015, 71, 1_103-1_108.	0.4	6
17	Comparisons of polar processing diagnostics from 34 years of the ERA-Interim and MERRA reanalyses. Atmospheric Chemistry and Physics, 2015, 15, 3873-3892.	4.9	32
18	Momentum forcing of the quasi-biennial oscillation by equatorial waves in recent reanalyses. Atmospheric Chemistry and Physics, 2015, 15, 6577-6587.	4.9	34

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19	Development of a web application for examining climate data of global lake basins: CGLB. Hydrological Research Letters, 2015, 9, 125-132.	0.5	2
20	1-km-resolution land surface analysis over Japan: Impact of satellite-derived solar radiation. Hydrological Research Letters, 2015, 9, 14-19.	0.5	10
21	Global temperature response to the major volcanic eruptions in multiple reanalysis data sets. Atmospheric Chemistry and Physics, 2015, 15, 13507-13518.	4.9	32
22	ERA-20CM: a twentieth-century atmospheric model ensemble. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2350-2375.	2.7	167
23	Simulation and Prediction of Category 4 and 5 Hurricanes in the High-Resolution GFDL HiFLOR Coupled Climate Model*. Journal of Climate, 2015, 28, 9058-9079.	3.2	181
24	Amplified subtropical stationary waves in boreal summer and their implications for regional water extremes. Environmental Research Letters, 2015, 10, 104009.	5.2	21
25	Improving Climate Change Detection through Optimal Seasonal Averaging: The Case of the North Atlantic Jet and European Precipitation. Journal of Climate, 2015, 28, 6381-6397.	3.2	29
26	A Novel Approach to Diagnosing Southern Hemisphere Planetary Wave Activity and Its Influence on Regional Climate Variability. Journal of Climate, 2015, 28, 9041-9057.	3.2	34
27	Sensitivity of glacier runoff projections to baseline climate data in the Indus River basin. Frontiers in Earth Science, 2015, 3, .	1.8	20
28	Evaluating the advective Brewer-Dobson circulation in three reanalyses for the period 1979-2012. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7534-7554.	3.3	114
29	On the Asymmetry of Forecast Errors in the Northern Winter Stratosphere between Vortex Weakening and Strengthening Conditions. Journal of the Meteorological Society of Japan, 2015, 93, 443-457.	1.8	2
30	Early Evaluation of Ku- and Ka-Band Sensitivities for the Global Precipitation Measurement (GPM) Dual-Frequency Precipitation Radar (DPR). Scientific Online Letters on the Atmosphere, 2015, 11, 14-17.	1.4	62
31	Three-dimensional constrained variational analysis: Approach and application to analysis of atmospheric diabatic heating and derivative fields during an ARM SGP intensive observational period. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7283-7299.	3.3	9
32	Application of the Pseudo Global Warming Dynamic Downscaling Method to the Tokai Heavy Rain in 2000. Journal of the Meteorological Society of Japan, 2015, 93, 551-570.	1.8	10
33	Resolution Sensitivity of Cyclone Climatology over Eastern Australia Using Six Reanalysis Products*. Journal of Climate, 2015, 28, 9530-9549.	3.2	30
34	Global energy and water balances in the latest reanalyses. Asia-Pacific Journal of Atmospheric Sciences, 2015, 51, 293-302.	2.3	27
35	Future changes in precipitation intensity over the Arctic projected by a global atmospheric model with a 60-km grid size. Polar Science, 2015, 9, 277-292.	1.2	11
36	Balloon-borne observations of lower stratospheric water vapor at Syowa Station, Antarctica in 2013. Polar Science, 2015, 9, 345-353.	1.2	8

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37	Investigation of Climatological Onset and Withdrawal of the Rainy Season in Panama Based on a Daily Gridded Precipitation Dataset with a High Horizontal Resolution. Journal of Climate, 2015, 28, 2745-2763.	3.2	17
38	Representation of African Easterly Waves in CMIP5 Models. Journal of Climate, 2015, 28, 7702-7715.	3.2	28
39	A decade of environmental change in the Pacific Arctic region. Progress in Oceanography, 2015, 136, 12-31.	3.2	123
40	Multireanalysis Comparison of Variability in Column Water Vapor and Its Analysis Increment Associated with the Madden-Julian Oscillation. Journal of Climate, 2015, 28, 793-808.	3.2	16
41	Evaluation of CMIP5 Models in the Context of Dynamical Downscaling over Europe. Journal of Climate, 2015, 28, 5575-5582.	3.2	32
42	The Global Influence of the Madden-Julian Oscillation on Extreme Temperature Events*. Journal of Climate, 2015, 28, 4141-4151.	3.2	57
43	South Pacific circulation changes and their connection to the tropics and regional Antarctic warming in austral spring, 1979-2012. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2773-2792.	3.3	70
44	A New Upper-Level Circulation Index for the East Asian Summer Monsoon Variability. Journal of Climate, 2015, 28, 9977-9996.	3.2	76
45	El Niño Southern Oscillation frequency cascade. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13490-13495.	7.1	46
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47	microwave satellite water vapour column retrieval for polar winter conditions. Atmospheric Measurement Techniques, 2016, 9, 2241-2252.	3.1	8
49	RAINFALL ANALYSIS OF THE KELANTAN BIG YELLOW FLOOD 2014. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT/Overlook	0.4	17
50	OMIP contribution to CMIP6: experimental and diagnostic protocol for the physical component of the Ocean Model Intercomparison Project. Geoscientific Model Development, 2016, 9, 3231-3296.	3.6	223
52	A diagram for evaluating multiple aspects of model performance in simulating vector fields. Geoscientific Model Development, 2016, 9, 4365-4380.	3.6	61
54	Effects of global warming on the impacts of Typhoon Mireille (1991) in the Kyushu and Tohoku regions. Hydrological Research Letters, 2016, 10, 81-87.	0.5	21
55	Predictive Uncertainty Estimation on a Precipitation and Temperature Reanalysis Ensemble for Shigar Basin, Central Karakoram. Water (Switzerland), 2016, 8, 263.	2.7	21
56	GLASS Daytime All-Wave Net Radiation Product: Algorithm Development and Preliminary Validation. Remote Sensing, 2016, 8, 222.	4.0	36
57	Evaluation of the Reanalysis Surface Incident Shortwave Radiation Products from NCEP, ECMWF, GSFC, and JMA Using Satellite and Surface Observations. Remote Sensing, 2016, 8, 225.	4.0	117

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58	The JRA-55 Reanalysis: Representation of Atmospheric Circulation and Climate Variability. Journal of the Meteorological Society of Japan, 2016, 94, 269-302.	1.8	346
59	Reexamination of tropical cyclone heat potential in the western North Pacific. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6723-6744.	3.3	6
60	Influence of the North Atlantic dipole on climate changes over Eurasia. IOP Conference Series: Earth and Environmental Science, 2016, 48, 012004.	0.3	3
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62	Observed southern upper-ocean warming over 2005–2014 and associated mechanisms. Environmental Research Letters, 2016, 11, 124023.	5.2	51
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67	Big data and hydroinformatics. Journal of Hydroinformatics, 2016, 18, 599-614.	2.4	43
68	The June 2013 Alberta Catastrophic Flooding Event: Part 1 – Climatological aspects and hydrometeorological features. Hydrological Processes, 2016, 30, 4899-4916.	2.6	23
69	A Comparison of Antarctic Ice Sheet Surface Mass Balance from Atmospheric Climate Models and In Situ Observations. Journal of Climate, 2016, 29, 5317-5337.	3.2	57
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71	The atmospheric role in the Arctic water cycle: A review on processes, past and future changes, and their impacts. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 586-620.	3.0	197
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78	Long-term trend of cold air mass amount below a designated potential temperature in Northern and Southern Hemispheric winters using reanalysis data sets. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,138-10,152.	3.3	16
79	Sensitivity of Numerical Weather Forecasts to Initial Soil Moisture Variations in CFSv2. Weather and Forecasting, 2016, 31, 1973-1983.	1.4	54
80	Evaluation of four global reanalysis products using in situ observations in the Amundsen Sea Embayment, Antarctica. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6240-6257.	3.3	70
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87	Impacts of synoptic circulation patterns on wind power ramp events in East Japan. Renewable Energy, 2016, 96, 591-602.	8.9	54
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90	Connecting Climate Model Projections of Global Temperature Change with the Real World. Bulletin of the American Meteorological Society, 2016, 97, 963-980.	3.3	61
91	A worldwide evaluation of basin-scale evapotranspiration estimates against the water balance method. Journal of Hydrology, 2016, 538, 82-95.	5.4	171
92	Pacific trade winds accelerated by aerosol forcing over the past two decades. Nature Climate Change, 2016, 6, 768-772.	18.8	93
93	High-resolution wind hindcast over the Bohai Sea and the Yellow Sea in East Asia: Evaluation and wind climatology analysis. Journal of Geophysical Research D: Atmospheres, 2016, 121, 111-129.	3.3	18
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96	Long-term variation of stratospheric aerosols observed with lidars over Tsukuba, Japan, from 1982 and Lauder, New Zealand, from 1992 to 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,283-10,293.	3.3	30
97	Weakening of the Kuroshio Intrusion Into the South China Sea Under the Global Warming Hiatus. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 5064-5070.	4.9	23
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99	Two Types of Interannual Variability of South China Sea Summer Monsoon Onset Related to the SST Anomalies before and after 1993/94. <i>Journal of Climate</i> , 2016, 29, 6957-6971.	3.2	34
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101	An assessment of the consistency between satellite measurements of upper tropospheric water vapor. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2874-2887.	3.3	10
102	Seasonal Forecasts of Major Hurricanes and Landfalling Tropical Cyclones using a High-Resolution GFDL Coupled Climate Model. <i>Journal of Climate</i> , 2016, 29, 7977-7989.	3.2	64
103	Four-decadal climatological intercomparison of rocketsonde and radiosonde with different reanalysis data: results from Thumba Equatorial Station. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 91-101.	2.7	14
104	Operational climate prediction in the era of big data in China: Reviews and prospects. <i>Journal of Meteorological Research</i> , 2016, 30, 444-456.	2.4	4
105	Connection of predictability of major stratospheric sudden warmings to polar vortex geometry. <i>Atmospheric Science Letters</i> , 2016, 17, 33-38.	1.9	23
106	Building a Multimodel Flood Prediction System with the TIGGE Archive. <i>Journal of Hydrometeorology</i> , 2016, 17, 2923-2940.	1.9	23
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109	Autumn CO ₂ chemistry in the Japan Sea and the impact of discharges from the Changjiang River. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6536-6549.	2.6	6
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111	Simulated Connections between ENSO and Tropical Cyclones near Guam in a High-Resolution GFDL Coupled Climate Model: Implications for Seasonal Forecasting. <i>Journal of Climate</i> , 2016, 29, 8231-8248.	3.2	3
112	Facets of Arctic energy accumulation based on observations and reanalyses 2000–2015. <i>Geophysical Research Letters</i> , 2016, 43, 10420-10429.	4.0	25

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113	Atmospheric structure favoring high sea surface temperatures in the western equatorial Pacific. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,368.	3.3	7
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115	On Big Data and Hydroinformatics. Procedia Engineering, 2016, 154, 184-191.	1.2	5
116	The Stratospheric Pathway of La Niña. Journal of Climate, 2016, 29, 8899-8914.	3.2	47
117	Reconciling Land-Ocean Moisture Transport Variability in Reanalyses with P _{ET} in Observationally Driven Land Surface Models. Journal of Climate, 2016, 29, 8625-8646.	3.2	13
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125	An Introduction to Himawari-8/9— Japan's New-Generation Geostationary Meteorological Satellites. Journal of the Meteorological Society of Japan, 2016, 94, 151-183.	1.8	900
126	INVESTIGATION ON KINU-RIVER FLOOD DISASTER AROUND JOSO-CITY IBARAKI PREFECTURE OCCURRED BY KANTO AND TOHOKU HEAVY RAIN IN SEPTEMBER 2015. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, I_1273-I_1278.	0.1	0
127	Synoptic Conditions Causing an Extreme Snowfall Event in the Kanto-Koshin District of Japan on 14-15 February 2014. Scientific Online Letters on the Atmosphere, 2016, 12, 259-264.	1.4	8
128	Significant Atmospheric Circulation Anomalies over the North Pacific Associated with the Enhanced Pacific ITCZ during the Summer—Fall of 2014. Scientific Online Letters on the Atmosphere, 2016, 12, 282-286.	1.4	1
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132	An ensemble constrained variational analysis of atmospheric forcing data and its application to evaluate clouds in CAM5. Journal of Geophysical Research D: Atmospheres, 2016, 121, 33-48.	3.3	7
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137	Representation of the tropical stratospheric zonal wind in global atmospheric reanalyses. Atmospheric Chemistry and Physics, 2016, 16, 6681-6699.	4.9	56
138	Toward better assessment of tornado potential in typhoons: Significance of considering entrainment effects for CAPE. Geophysical Research Letters, 2016, 43, 12,597.	4.0	16
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145	Intensification of Typhoon Danas (1324) Captured by MTSAT Upper Tropospheric Atmospheric Motion Vectors. Scientific Online Letters on the Atmosphere, 2016, 12, 135-139.	1.4	6
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147	Influence of Enhanced Variability with Zonal Wavenumber 1 on Arctic Oscillation in Late Winter to Early Spring in El Niño Conditions. Scientific Online Letters on the Atmosphere, 2016, 12, 159-164.	1.4	4
148	EVALUATION OF FUTURE VARIATIONS OF A PARTICULAR WEATHER EVENT BY ENSEMBLE-PSEUDO GLOBAL WARMING SIMULATION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, 1_43-1_48.	0.1	1

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149	IMPACT ASSESSMENT OF FUTURE STORM SURGE DUE TO TYPHOON VERA AS REVEALED BY PSEUDO-GLOBAL WARMING EXPERIMENTS. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2016, 72, 1_1501-1_1506.	0.4	4
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152	Future Change of Tornadogenesis-Favorable Environmental Conditions in Japan Estimated by a 20-km-Mesh Atmospheric General Circulation Model. Journal of the Meteorological Society of Japan, 2016, 94A, 105-120.	1.8	6
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155	A potential vorticityâ€‘based index for the East Asian winter monsoon. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9382-9399.	3.3	18
156	Internal structure of exâ€‘Typhoon Phanfone (2014) under an extratropical transition as observed by the research vessel <i>Mirai</i>. Geophysical Research Letters, 2016, 43, 9333-9341.	4.0	2
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162	Modulation of subtropical stratospheric gravity waves by equatorial rainfall. Geophysical Research Letters, 2016, 43, 466-471.	4.0	16
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