JonathonÂ S Wright

List of Publications by Year
in descending order

59 papers	3,247 citations	257101 24 h-index	155451 55 g-index
82 all docs	82 docs citations	82 times ranked	4464 citing authors

#	Article	IF	Citations
1	Managing nitrogen to restore water quality in China. Nature, 2019, 567, 516-520.	13.7	667
2	From ERA-Interim to ERA5: the considerable impact of ECMWF's next-generation reanalysis on Lagrangian transport simulations. Atmospheric Chemistry and Physics, 2019, 19, 3097-3124.	1.9	363
3	Short circuit of water vapor and polluted air to the global stratosphere by convective transport over the Tibetan Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5664-5669.	3.3	290
4	Introduction to the SPARC Reanalysis Intercomparison ProjectÂ(S-RIP) and overview of the reanalysis systems. Atmospheric Chemistry and Physics, 2017, 17, 1417-1452.	1.9	276
5	Rainforest-initiated wet season onset over the southern Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8481-8486.	3.3	183
6	Summer rainfall over the southwestern Tibetan Plateau controlled by deep convection over the Indian subcontinent. Nature Communications, 2016, 7, 10925.	5.8	160
7	Development of a global gridded Argo data set with Barnes successive corrections. Journal of Geophysical Research: Oceans, 2017, 122, 866-889.	1.0	90
8	Properties of air mass mixing and humidity in the subtropics from measurements of the D/H isotope ratio of water vapor at the Mauna Loa Observatory. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	85
9	Assessment of upper tropospheric and stratospheric water vapor and ozone in reanalyses as part of S-RIP. Atmospheric Chemistry and Physics, 2017, 17, 12743-12778.	1.9	74
10	Evaluation of multiple forcing data sets for precipitation and shortwave radiation over major land areas of China. Hydrology and Earth System Sciences, 2017, 21, 5805-5821.	1.9	72
11	Assessing the Impacts of Extreme Agricultural Droughts in China Under Climate and Socioeconomic Changes. Earth's Future, 2018, 6, 689-703.	2.4	72
12	Temperature and tropopause characteristics from reanalyses data in the tropical tropopause layer. Atmospheric Chemistry and Physics, 2020, 20, 753-770.	1.9	57
13	Long-Term Annual Mapping of Four Cities on Different Continents by Applying a Deep Information Learning Method to Landsat Data. Remote Sensing, 2018, 10, 471.	1.8	50
14	Diagnosis of Zonal Mean Relative Humidity Changes in a Warmer Climate. Journal of Climate, 2010, 23, 4556-4569.	1.2	46
15	Influence of condensate evaporation on water vapor and its stable isotopes in a GCM. Geophysical Research Letters, 2009, 36, .	1.5	40
16	The Evaluation of SMAP Enhanced Soil Moisture Products Using High-Resolution Model Simulations and In-Situ Observations on the Tibetan Plateau. Remote Sensing, 2018, 10, 535.	1.8	37
17	Econometrics of the environmental Kuznets curve: Testing advancement to carbon intensity-oriented sustainability for eight economic zones in China. Journal of Cleaner Production, 2021, 283, 124561.	4.6	37
18	Moisture Sources for Wintertime Extreme Precipitation Events Over South China During 1979â€“2013. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6690-6712.	1.2	36

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19	Precipitable water and CAPE dependence of rainfall intensities in China. Climate Dynamics, 2019, 52, 3357-3368.	1.7	31
20	A global database of water vapor isotopes measured with high temporal resolution infrared laser spectroscopy. Scientific Data, 2019, 6, 180302.	2.4	31
21	A possible mechanism for the occurrence of wintertime extreme precipitation events over South China. Climate Dynamics, 2019, 52, 2367-2384.	1.7	30
22	On the Non-Stationary Relationship between the Siberian High and Arctic Oscillation. PLoS ONE, 2016, 11, e0158122.	1.1	29
23	Validation of Aura MLS retrievals of temperature, water vapour and ozone in the upper troposphere and lowerâ€“middle stratosphere over the Tibetan Plateau during boreal summer. Atmospheric Measurement Techniques, 2016, 9, 3547-3566.	1.2	29
24	Influences of Pacific Climate Variability on Decadal Subsurface Ocean Heat Content Variations in the Indian Ocean. Journal of Climate, 2018, 31, 4157-4174.	1.2	28
25	Differences in tropical high clouds among reanalyses: origins and radiative impacts. Atmospheric Chemistry and Physics, 2020, 20, 8989-9030.	1.9	26
26	Possible mechanisms for four regimes associated with cold events over East Asia. Climate Dynamics, 2018, 51, 35-56.	1.7	25
27	Upward transport into and within the Asian monsoon anticyclone as inferred from StratoClim trace gas observations. Atmospheric Chemistry and Physics, 2021, 21, 1267-1285.	1.9	25
28	Indian Monsoon Lowâ€Pressure Systems Feed Upâ€andâ€Over Moisture Transport to the Southwestern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,140.	1.2	23
29	Multitimescale variations in modeled stratospheric water vapor derived from three modern reanalysis products. Atmospheric Chemistry and Physics, 2019, 19, 6509-6534.	1.9	23
30	Zonal-mean data set of global atmospheric reanalyses on pressure levels. Earth System Science Data, 2018, 10, 1925-1941.	3.7	21
31	On the Formation Mechanism for Wintertime Extreme Precipitation Events Over the Southeastern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,692.	1.2	19
32	The efficiency of transport into the stratosphere via the Asian and North American summer monsoon circulations. Atmospheric Chemistry and Physics, 2019, 19, 15629-15649.	1.9	19
33	A potential vorticityâ€based index for the East Asian winter monsoon. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9382-9399.	1.2	18
34	Evaluation of the Common Land Model (CoLM) from the Perspective of Water and Energy Budget Simulation: Towards Inclusion in CMIP6. Atmosphere, 2017, 8, 141.	1.0	18
35	Synoptic Conditions and Moisture Sources for Extreme Snowfall Events Over East China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 601-623.	1.2	16
36	A Large Eddy Model Study on the Effect of Overshooting Convection on Lower Stratospheric Water Vapor. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,023.	1.2	15

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37	Potential vorticity regimes over East Asia during winter. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1524-1544.	1.2	14
38	Regional disparities in warm season rainfall changes over arid easternâ€“central Asia. Scientific Reports, 2018, 8, 13051.	1.6	14
39	Connections Between a Late Summer Snowstorm Over the Southwestern Tibetan Plateau and a Concurrent Indian Monsoon Lowâ€Pressure System. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,676.	1.2	13
40	Subtropical High Affects Interdecadal Variability of Tropical Cyclone Genesis in the South China Sea. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6379-6392.	1.2	13
41	Stratospheric Moistening After 2000. Geophysical Research Letters, 2022, 49, .	1.5	13
42	Impacts of Wintertime Extratropical Cyclones on Temperature and Precipitation Over Northeastern China During 1979â€“2016. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1514-1536.	1.2	11
43	Relationships between convective structure and transport of aerosols to the upper troposphere deduced from satellite observations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6515-6536.	1.2	10
44	Distinct Mechanisms of Decadal Subsurface Heat Content Variations in the Eastern and Western Indian Ocean Modulated by Tropical Pacific SST. Journal of Climate, 2018, 31, 7751-7769.	1.2	10
45	Moisture Sources for Wintertime Intense Precipitation Events Over the Three Snowy Subregions of the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12708-12725.	1.2	10
46	Evapotranspiration Characteristics Distinct to Mangrove Ecosystems Are Revealed by Multipleâ€Site Observations and a Modified Twoâ€Source Model. Water Resources Research, 2019, 55, 11250-11273.	1.7	9
47	Surface temperature response to the major volcanic eruptions in multiple reanalysis data sets. Atmospheric Chemistry and Physics, 2020, 20, 345-374.	1.9	9
48	Interannual Variation and Regime Shift of the Evaporative Moisture Sources for Wintertime Precipitation Over Southern China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,168.	1.2	8
49	Three Regimes of Temperature Distribution Change Over Dry Land, Moist Land, and Oceanic Surfaces. Geophysical Research Letters, 2020, 47, e2020GL090997.	1.5	8
50	Links Between the Largeâ€Scale Circulation and Daily Air Quality Over Central Eastern China During Winter. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7147-7163.	1.2	6
51	Contributions of Atmospheric Transport and Rainâ€“Vapor Exchange to Near-Surface Water Vapor in the Zhanjiang Mangrove Reserve, Southern China: An Isotopic Perspective. Atmosphere, 2018, 9, 365.	1.0	5
52	On the cooccurrence of wintertime temperature anomalies over eastern Asia and eastern North America. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6844-6867.	1.2	4
53	On the Utility (or Futility) of Using Stable Water Isotopes to Constrain the Bulk Properties of Tropical Convection. Journal of Advances in Modeling Earth Systems, 2018, 10, 516-529.	1.3	4
54	Evaluating the Response of Summertime Surface Sulfate to Hydroclimate Variations in the Continental United States: Role of Meteorological Inputs in the GEOSâ€Chem Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1662-1679.	1.2	4

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55	Moisture and Energy Budget Perspectives on Summer Drought in North China. Journal of Climate, 2020, 33, 10149-10167.	1.2	4
56	Contributions of Indonesian Throughflow to eastern Indian Ocean surface variability during ENSO events. Atmospheric Science Letters, 2020, 21, e979.	0.8	3
57	Favorable Circulation Patterns and Moisture Sources for Wintertime Extreme Precipitation Events Over the Balkhashâ€Junggar Region. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032275.	1.2	2
58	Long-Term Variability of Relationships between Potential Large-Scale Drivers and Summer Precipitation in North China in the CERA-20C Reanalysis. Atmosphere, 2021, 12, 81.	1.0	1
59	Impacts of Western Disturbances on Wintertime Precipitation Over the Southeastern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	1