

Jonathon S Wright

List of Publications by Year in descending order

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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	Impacts of Western Disturbances on Wintertime Precipitation Over the Southeastern Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	1
2	Stratospheric Moistening After 2000. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	13
3	Econometrics of the environmental Kuznets curve: Testing advancement to carbon intensity-oriented sustainability for eight economic zones in China. <i>Journal of Cleaner Production</i> , 2021, 283, 124561.	4.6	37
4	Long-Term Variability of Relationships between Potential Large-Scale Drivers and Summer Precipitation in North China in the CERA-20C Reanalysis. <i>Atmosphere</i> , 2021, 12, 81.	1.0	1
5	Upward transport into and within the Asian monsoon anticyclone as inferred from StratoClim trace gas observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1267-1285.	1.9	25
6	Favorable Circulation Patterns and Moisture Sources for Wintertime Extreme Precipitation Events Over the Balkhashâ€¦unggar Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032275.	1.2	2
7	Contributions of Indonesian Throughflow to eastern Indian Ocean surface variability during ENSO events. <i>Atmospheric Science Letters</i> , 2020, 21, e979.	0.8	3
8	Surface temperature response to the major volcanic eruptions in multiple reanalysis data sets. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 345-374.	1.9	9
9	Temperature and tropopause characteristics from reanalyses data in the tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 753-770.	1.9	57
10	Moisture and Energy Budget Perspectives on Summer Drought in North China. <i>Journal of Climate</i> , 2020, 33, 10149-10167.	1.2	4
11	Differences in tropical high clouds among reanalyses: origins and radiative impacts. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8989-9030.	1.9	26
12	Three Regimes of Temperature Distribution Change Over Dry Land, Moist Land, and Oceanic Surfaces. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090997.	1.5	8
13	A possible mechanism for the occurrence of wintertime extreme precipitation events over South China. <i>Climate Dynamics</i> , 2019, 52, 2367-2384.	1.7	30
14	Precipitable water and CAPE dependence of rainfall intensities in China. <i>Climate Dynamics</i> , 2019, 52, 3357-3368.	1.7	31
15	Impacts of Wintertime Extratropical Cyclones on Temperature and Precipitation Over Northeastern China During 1979â€¦2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1514-1536.	1.2	11
16	Links Between the Largeâ€¦Scale Circulation and Daily Air Quality Over Central Eastern China During Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7147-7163.	1.2	6
17	Multitimescale variations in modeled stratospheric water vapor derived from three modern reanalysis products. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6509-6534.	1.9	23
18	Subtropical High Affects Interdecadal Variability of Tropical Cyclone Genesis in the South China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6379-6392.	1.2	13

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19	Managing nitrogen to restore water quality in China. <i>Nature</i> , 2019, 567, 516-520.	13.7	667
20	Synoptic Conditions and Moisture Sources for Extreme Snowfall Events Over East China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 601-623.	1.2	16
21	From ERA-Interim to ERA5: the considerable impact of ECMWF's next-generation reanalysis on Lagrangian transport simulations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3097-3124.	1.9	363
22	Evaluating the Response of Summertime Surface Sulfate to Hydroclimate Variations in the Continental United States: Role of Meteorological Inputs in the GEOS-Chem Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1662-1679.	1.2	4
23	The efficiency of transport into the stratosphere via the Asian and North American summer monsoon circulations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15629-15649.	1.9	19
24	Evapotranspiration Characteristics Distinct to Mangrove Ecosystems Are Revealed by Multiple-Site Observations and a Modified Two-Source Model. <i>Water Resources Research</i> , 2019, 55, 11250-11273.	1.7	9
25	Moisture Sources for Wintertime Intense Precipitation Events Over the Three Snowy Subregions of the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12708-12725.	1.2	10
26	A global database of water vapor isotopes measured with high temporal resolution infrared laser spectroscopy. <i>Scientific Data</i> , 2019, 6, 180302.	2.4	31
27	Assessing the Impacts of Extreme Agricultural Droughts in China Under Climate and Socioeconomic Changes. <i>Earth's Future</i> , 2018, 6, 689-703.	2.4	72
28	On the Utility (or Futility) of Using Stable Water Isotopes to Constrain the Bulk Properties of Tropical Convection. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 516-529.	1.3	4
29	Influences of Pacific Climate Variability on Decadal Subsurface Ocean Heat Content Variations in the Indian Ocean. <i>Journal of Climate</i> , 2018, 31, 4157-4174.	1.2	28
30	Possible mechanisms for four regimes associated with cold events over East Asia. <i>Climate Dynamics</i> , 2018, 51, 35-56.	1.7	25
31	Interannual Variation and Regime Shift of the Evaporative Moisture Sources for Wintertime Precipitation Over Southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,168.	1.2	8
32	On the Formation Mechanism for Wintertime Extreme Precipitation Events Over the Southeastern Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,692.	1.2	19
33	Connections Between a Late Summer Snowstorm Over the Southwestern Tibetan Plateau and a Concurrent Indian Monsoon Low-Pressure System. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,676.	1.2	13
34	A Large Eddy Model Study on the Effect of Overshooting Convection on Lower Stratospheric Water Vapor. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,023.	1.2	15
35	Regional disparities in warm season rainfall changes over arid eastern-central Asia. <i>Scientific Reports</i> , 2018, 8, 13051.	1.6	14
36	Contributions of Atmospheric Transport and Rain-Vapor Exchange to Near-Surface Water Vapor in the Zhanjiang Mangrove Reserve, Southern China: An Isotopic Perspective. <i>Atmosphere</i> , 2018, 9, 365.	1.0	5

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37	Long-Term Annual Mapping of Four Cities on Different Continents by Applying a Deep Information Learning Method to Landsat Data. <i>Remote Sensing</i> , 2018, 10, 471.	1.8	50
38	The Evaluation of SMAP Enhanced Soil Moisture Products Using High-Resolution Model Simulations and In-Situ Observations on the Tibetan Plateau. <i>Remote Sensing</i> , 2018, 10, 535.	1.8	37
39	Distinct Mechanisms of Decadal Subsurface Heat Content Variations in the Eastern and Western Indian Ocean Modulated by Tropical Pacific SST. <i>Journal of Climate</i> , 2018, 31, 7751-7769.	1.2	10
40	Moisture Sources for Wintertime Extreme Precipitation Events Over South China During 1979–2013. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6690-6712.	1.2	36
41	Zonal-mean data set of global atmospheric reanalyses on pressure levels. <i>Earth System Science Data</i> , 2018, 10, 1925-1941.	3.7	21
42	Potential vorticity regimes over East Asia during winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1524-1544.	1.2	14
43	Development of a global gridded Argo data set with Barnes successive corrections. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 866-889.	1.0	90
44	Rainforest-initiated wet season onset over the southern Amazon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8481-8486.	3.3	183
45	On the cooccurrence of wintertime temperature anomalies over eastern Asia and eastern North America. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6844-6867.	1.2	4
46	Indian Monsoon Low-Pressure Systems Feed Upward Over Moisture Transport to the Southwestern Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,140.	1.2	23
47	Assessment of upper tropospheric and stratospheric water vapor and ozone in reanalyses as part of S-RIP. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12743-12778.	1.9	74
48	Introduction to the SPARC Reanalysis Intercomparison Project (S-RIP) and overview of the reanalysis systems. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1417-1452.	1.9	276
49	Evaluation of multiple forcing data sets for precipitation and shortwave radiation over major land areas of China. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5805-5821.	1.9	72
50	Evaluation of the Common Land Model (CoLM) from the Perspective of Water and Energy Budget Simulation: Towards Inclusion in CMIP6. <i>Atmosphere</i> , 2017, 8, 141.	1.0	18
51	On the Non-Stationary Relationship between the Siberian High and Arctic Oscillation. <i>PLoS ONE</i> , 2016, 11, e0158122.	1.1	29
52	Validation of Aura MLS retrievals of temperature, water vapour and ozone in the upper troposphere and lower-middle stratosphere over the Tibetan Plateau during boreal summer. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3547-3566.	1.2	29
53	A potential vorticity-based index for the East Asian winter monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9382-9399.	1.2	18
54	Summer rainfall over the southwestern Tibetan Plateau controlled by deep convection over the Indian subcontinent. <i>Nature Communications</i> , 2016, 7, 10925.	5.8	160

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55	Relationships between convective structure and transport of aerosols to the upper troposphere deduced from satellite observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6515-6536.	1.2	10
56	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. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	85
57	Diagnosis of Zonal Mean Relative Humidity Changes in a Warmer Climate. <i>Journal of Climate</i> , 2010, 23, 4556-4569.	1.2	46
58	Influence of condensate evaporation on water vapor and its stable isotopes in a GCM. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	40
59	Short circuit of water vapor and polluted air to the global stratosphere by convective transport over the Tibetan Plateau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5664-5669.	3.3	290