

Jonathon S Wright

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61 papers	1,972 citations	20 h-index	44 g-index
82 ext. papers	2,593 ext. citations	6.2 avg, IF	4.73 L-index

#	Paper	IF	Citations
61	Managing nitrogen to restore water quality in China. <i>Nature</i> , 2019 , 567, 516-520	50.4	314
60	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, 5664-9	11.5	243
59	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	6.8	201
58	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	6.8	173
57	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	11.5	130
56	Summer rainfall over the southwestern Tibetan Plateau controlled by deep convection over the Indian subcontinent. <i>Nature Communications</i> , 2016 , 7, 10925	17.4	91
55	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		74
54	Development of a global gridded Argo data set with Barnes successive corrections. <i>Journal of Geophysical Research: Oceans</i> , 2017 , 122, 866-889	3.3	49
53	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	6.8	47
52	Assessing the Impacts of Extreme Agricultural Droughts in China Under Climate and Socioeconomic Changes. <i>Earth's Future</i> , 2018 , 6, 689-703	7.9	45
51	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	5.5	44
50	Diagnosis of Zonal Mean Relative Humidity Changes in a Warmer Climate. <i>Journal of Climate</i> , 2010 , 23, 4556-4569	4.4	42
49	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	5	36
48	Influence of condensate evaporation on water vapor and its stable isotopes in a GCM. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	35
47	Temperature and tropopause characteristics from reanalyses data in the tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 753-770	6.8	31
46	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	4	25
45	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	5	24

44	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	4.4	22
43	A global database of water vapor isotopes measured with high temporal resolution infrared laser spectroscopy. <i>Scientific Data</i> , 2019 , 6, 180302	8.2	22
42	On the Non-Stationary Relationship between the Siberian High and Arctic Oscillation. <i>PLoS ONE</i> , 2016 , 11, e0158122	3.7	20
41	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	4.4	19
40	A possible mechanism for the occurrence of wintertime extreme precipitation events over South China. <i>Climate Dynamics</i> , 2019 , 52, 2367-2384	4.2	17
39	Multiscale variations in modeled stratospheric water vapor derived from three modern reanalysis products. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 6509-6534	6.8	16
38	Possible mechanisms for four regimes associated with cold events over East Asia. <i>Climate Dynamics</i> , 2018 , 51, 35-56	4.2	15
37	A potential vorticity-based index for the East Asian winter monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 9382-9399	4.4	15
36	Zonal-mean data set of global atmospheric reanalyses on pressure levels. <i>Earth System Science Data</i> , 2018 , 10, 1925-1941	10.5	15
35	Precipitable water and CAPE dependence of rainfall intensities in China. <i>Climate Dynamics</i> , 2019 , 52, 3357-3368	4.2	13
34	Indian Monsoon Low-Pressure Systems Feed Up-and-Over Moisture Transport to the Southwestern Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 12,140-12,151	4.4	13
33	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	10.3	13
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	4.4	13
31	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	6.8	12
30	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	6.8	12
29	Potential vorticity regimes over East Asia during winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1524-1544	4.4	11
28	Regional disparities in warm season rainfall changes over arid eastern-central Asia. <i>Scientific Reports</i> , 2018 , 8, 13051	4.9	11
27	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	2.7	10

26	Synoptic Conditions and Moisture Sources for Extreme Snowfall Events Over East China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 601-623	4.4	9
25	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	4.4	9
24	Impacts of Wintertime Extratropical Cyclones on Temperature and Precipitation Over Northeastern China During 1979-2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 1514-1536	4.4	8
23	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	4.4	8
22	Differences in tropical high clouds among reanalyses: origins and radiative impacts. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8989-9030	6.8	8
21	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	4.4	8
20	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	4.4	6
19	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	4.4	6
18	Assessment of upper tropospheric and stratospheric water vapour and ozone in reanalyses as part of S-RIP 2017 ,		4
17	Three Regimes of Temperature Distribution Change Over Dry Land, Moist Land, and Oceanic Surfaces. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090997	4.9	4
16	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	4.4	4
15	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	4.4	3
14	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	5.4	3
13	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	4.4	3
12	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	4.4	2
11	Contributions of Indonesian Throughflow to eastern Indian Ocean surface variability during ENSO events. <i>Atmospheric Science Letters</i> , 2020 , 21, e979	2.4	2
10	Surface temperature response to the major volcanic eruptions in multiple reanalysis data sets. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 345-374	6.8	2
9	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	7.1	2

8	Introduction to the SPARC Reanalysis Intercomparison Project (S-RIP) and overview of the reanalysis systems 2016 ,		2
7	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	2.7	2
6	Links Between the Large-Scale Circulation and Daily Air Quality Over Central Eastern China During Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 7147	4.4	1
5	Moisture and Energy Budget Perspectives on Summer Drought in North China. <i>Journal of Climate</i> , 2020 , 33, 10149-10167	4.4	1
4	From ERA-Interim to ERA5: considerable impact of ECMWF's next-generation reanalysis on Lagrangian transport simulations 2018 ,		1
3	Stratospheric moistening after 2000. <i>Geophysical Research Letters</i> ,	4.9	0
2	Favorable Circulation Patterns and Moisture Sources for Wintertime Extreme Precipitation Events Over the Balkhash-Junggar Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032275	4.4	1
1	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	2.7	