Corwin J Wright

List of Publications by Year
in descending order

43	1,056	430874	454955
papers	citations	18 h-index	30 g-index

84	84	84	1011
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The southern stratospheric gravity wave hot spot: individual waves and their momentum fluxes measured by COSMIC GPS-RO. Atmospheric Chemistry and Physics, 2015, 15, 7797-7818.	4.9	82
2	Climatology and interannual variability of dynamic variables in multiple reanalyses evaluated by the SPARC Reanalysis Intercomparison ProjectÂ(S-RIP). Atmospheric Chemistry and Physics, 2017, 17, 14593-14629.	4.9	81
3	Combining AIRS and MLS observations for threeâ€dimensional gravity wave measurement. Geophysical Research Letters, 2016, 43, 884-893.	4.0	58
4	Exploring gravity wave characteristics in 3-D using a novel S-transform technique: AIRS/Aqua measurements over the Southern Andes and Drake Passage. Atmospheric Chemistry and Physics, 2017, 17, 8553-8575.	4.9	58
5	High Resolution Dynamics Limb Sounder measurements of gravity wave activity in the 2006 Arctic stratosphere. Journal of Geophysical Research, 2010, 115, .	3.3	55
6	Global observations of gravity wave intermittency and its impact on the observed momentum flux morphology. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,980.	3.3	51
7	Lee wave generation rates in the deep ocean. Geophysical Research Letters, 2014, 41, 2434-2440.	4.0	47
8	Intercomparisons of HIRDLS, COSMIC and SABER for the detection of stratospheric gravity waves. Atmospheric Measurement Techniques, 2011, 4, 1581-1591.	3.1	39
9	HIRDLS observations of gravity wave momentum fluxes over the monsoon regions. Journal of Geophysical Research, 2011, 116, .	3.3	38
10	Gravity waves in the winter stratosphere over the Southern Ocean: high-resolution satellite observations and 3-D spectral analysis. Atmospheric Chemistry and Physics, 2019, 19, 15377-15414.	4.9	31
11	A one-year seasonal analysis of martian gravity waves using MCS data. Icarus, 2012, 219, 274-282.	2.5	28
12	Multi-instrument gravity-wave measurements over Tierra del Fuego and the Drake Passage â€“ Part 1: Potential energies and vertical wavelengths from AIRS, COSMIC, HIRDLS, MLS-Aura, SAAMER, SABER and radiosondes. Atmospheric Measurement Techniques, 2016, 9, 877-908.	3.1	28
13	Prospect of Increased Disruption to the QBO in a Changing Climate. Geophysical Research Letters, 2021, 48, e2021GL093058.	4.0	28
14	Global Observations of Ocean-Bottom Subinertial Current Dissipation. Journal of Physical Oceanography, 2013, 43, 402-417.	1.7	27
15	Detecting overlapping gravity waves using the Sâ€Transform. Geophysical Research Letters, 2013, 40, 1850-1855.	4.0	27
16	A two-dimensional Stockwell transform for gravity wave analysis of AIRS measurements. Atmospheric Measurement Techniques, 2016, 9, 2545-2565.	3.1	27
17	An 18â€Year Climatology of Directional Stratospheric Gravity Wave Momentum Flux From 3â€D Satellite Observations. Geophysical Research Letters, 2020, 47, e2020GL089557.	4.0	26
18	Tracking the Stratosphereâ€toâ€Surface Impact of Sudden Stratospheric Warmings. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033881.	3.3	22

#	Article	IF	Citations
19	Observed and Modeled Mountain Waves from the Surface to the Mesosphere near the Drake Passage. Journals of the Atmospheric Sciences, 2022, 79, 909-932.	1.7	19
20	How well do stratospheric reanalyses reproduce high-resolution satellite temperature measurements?. Atmospheric Chemistry and Physics, 2018, 18, 13703-13731.	4.9	18
21	Global distributions of overlapping gravity waves in HIRDLS data. Atmospheric Chemistry and Physics, 2015, 15, 8459-8477.	4.9	16
22	Determining Gravity Wave Sources and Propagation in the Southern Hemisphere by Rayâ€Tracing AIRS Measurements. Geophysical Research Letters, 2021, 48, e2020GL088621.	4.0	16
23	Comparison of equatorial wave activity in the tropical tropopause layer and stratosphere represented in reanalyses. Atmospheric Chemistry and Physics, 2019, 19, 10027-10050.	4.9	15
24	Atmospheric Gravity Waves in Aeolus Wind Lidar Observations. Geophysical Research Letters, 2021, 48, e2021GL092756.	4.0	15
25	Does the Maddenâ€Julian Oscillation modulate stratospheric gravity waves?. Geophysical Research Letters, 2016, 43, 3973-3981.	4.0	14
26	Measurement of Ionospheric Total Electron Content Using Singleâ€Frequency Geostationary Satellite Observations. Radio Science, 2019, 54, 10-19.	1.6	14
27	Winds and tides of the Antarctic mesosphere and lower thermosphere: One year of meteor-radar observations over Rothera (68Â°S, 68Â°W) and comparisons with WACCM and eCMAM. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 212, 105510.	1.6	14
28	The South Georgia Wave Experiment: A Means for Improved Analysis of Gravity Waves and Low-Level Wind Impacts Generated from Mountainous Islands. Bulletin of the American Meteorological Society, 2018, 99, 1027-1040.	3.3	13
29	Persistent Model Biases in the CMIP6 Representation of Stratospheric Polar Vortex Variability. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034759.	3.3	13
30	Dynamical and surface impacts of the JanuaryÂ2021 sudden stratospheric warming in novel Aeolus wind observations, MLS and ERA5. Weather and Climate Dynamics, 2021, 2, 1283-1301.	3.5	13
31	Quantifying the global impact of tropical cycloneâ€associated gravity waves using HIRDLS, MLS, SABER and IBTrACS data. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 3023-3039.	2.7	10
32	Bottom dissipation of subinertial currents at the Atlantic zonal boundaries. Journal of Geophysical Research, 2012, 117, .	3.3	9
33	Mars Climate Sounder Observations of Gravity-wave Activity throughout Marsâ€™s Lower Atmosphere. Planetary Science Journal, 2022, 3, 57.	3.6	9
34	Stratospheric gravity waves over the mountainous island of South Georgia: testing a high-resolution dynamical model with 3-D satellite observations and radiosondes. Atmospheric Chemistry and Physics, 2021, 21, 7695-7722.	4.9	7
35	Gravity-wave momentum fluxes in the mesosphere over Ascension Island (8Â°â€¯S, 14Â°â€¯W) and the anomalous zonal winds of the semi-annual oscillation in 2002. Annales Geophysicae, 2016, 34, 323-330.	1.6	6
36	On the derivation of zonal and meridional wind components from Aeolus horizontal line-of-sight wind. Atmospheric Measurement Techniques, 2022, 15, 3465-3479.	3.1	6

#	Article	IF	Citations
37	The South Georgia Wave Experiment (<scp>SGâ€WEX</scp>): radiosonde observations of gravity waves in the lower stratosphere. Part I: Energy density, momentum flux and wave propagation direction. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 3279-3290.	2.7	5
38	Using vertical phase differences to better resolve 3D gravity wave structure. Atmospheric Measurement Techniques, 2021, 14, 5873-5886.	3.1	4
39	How Well Are Sudden Stratospheric Warming Surface Impacts Captured in CMIP6 Climate Models?. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	4
40	Stratospheric Gravity Waves as a Proxy for Hurricane Intensification: A Case Study of Weather Research and Forecast Simulation for Hurricane Joaquin. Geophysical Research Letters, 2022, 49, .	4.0	3
41	Horizontal turbulence measurements using SLODAR. , 2005, 5891, 27.		2
42	Multidecadal Measurements of UTLS Gravity Waves Derived From Commercial Flight Data. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033445.	3.3	2
43	Radiosonde Observations of a Wintertime Meridional Convergence of Gravity Waves Around 60Â°S in the Lower Stratosphere. Geophysical Research Letters, 2020, 47, e2020GL089740.	4.0	2