

Yun Gong

List of Publications by Year in descending order

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60
papers

635
citations

567281

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713466

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64
times ranked

412
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear coupling between quasi 2-day wave and tides based on meteor radar observations at Maui. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,936.	3.3	36
2	Responses of Quasi 2-Day Waves in the MLT Region to the 2013 SSW Revealed by a Meteor Radar Chain. <i>Geophysical Research Letters</i> , 2017, 44, 9142-9150.	4.0	34
3	Latitudinal and altitudinal variability of lower atmospheric inertial gravity waves revealed by U.S. radiosonde data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7750-7764.	3.3	33
4	Study of the Quasi 5-Day Wave in the MLT Region by a Meteor Radar Chain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9474-9487.	3.3	30
5	Incoherent scatter radar study of the terdiurnal tide in the E and F region heights at Arecibo. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	28
6	Atmospheric tides in the low latitude and high latitude regions and their responses to a sudden stratospheric warming event in January 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7913-7927.	2.4	27
7	Midnight ionosphere collapse at Arecibo and its relationship to the neutral wind, electric field, and ambipolar diffusion. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
8	Quasi 10 and 16 Day Wave Activities Observed Through Meteor Radar and MST Radar During Stratospheric Final Warming in 2015 Spring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6040-6056.	3.3	20
9	A Study on the Quarterdiurnal Tide in the Thermosphere at Arecibo During the February 2016 Sudden Stratospheric Warming Event. <i>Geophysical Research Letters</i> , 2018, 45, 13,142.	4.0	19
10	Latitudinal and Topographical Variabilities of Free Atmospheric Turbulence From High Resolution Radiosonde Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4283-4298.	3.3	19
11	Diurnal variations of the planetary boundary layer height estimated from intensive radiosonde observations over Yichang, China. <i>Science China Technological Sciences</i> , 2014, 57, 2172-2176.	4.0	18
12	The interaction between the tropopause inversion layer and the inertial gravity wave activities revealed by radiosonde observations at a midlatitude station. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8099-8111.	3.3	18
13	A Statistical Analysis of the Propagating Quasi 16 Day Waves at High Latitudes and Their Response to Sudden Stratospheric Warmings From 2005 to 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12617-12630.	3.3	18
14	Statistical Study of Atmospheric Turbulence by Thorpe Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2897-2908.	3.3	16
15	The F region and topside ionosphere response to a strong geomagnetic storm at Arecibo. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5177-5183.	2.4	15
16	Simultaneous upward and downward propagating inertia gravity waves in the MLT observed at Andes Lidar Observatory. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2812-2830.	3.3	15
17	Study of Mean Wind Variations and Gravity Wave Forcing Via a Meteor Radar Chain and Comparison with HWM07 Results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9488-9501.	3.3	15
18	Study of the Quasi 10 Day Waves in the MLT Region During the 2018 February SSW by a Meteor Radar Chain. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028367.	2.4	14

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19	Third-order resonant interaction of atmospheric gravity waves. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2197-2206.	3.3	13
20	Climatology of global gravity wave activity and dissipation revealed by SABER/TIMED temperature observations. <i>Science China Technological Sciences</i> , 2014, 57, 998-1009.	4.0	13
21	An incoherent scatter radar study of the midnight temperature maximum that occurred at Arecibo during a sudden stratospheric warming event in January 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5571-5578.	2.4	13
22	Climatology of the Quasi-6-Day Wave in the Mesopause Region and Its Modulations on Total Electron Content During 2003-2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 573-583.	2.4	13
23	Study of a Quasi 4-Day Oscillation During the 2018/2019 SSW Over Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027687.	2.4	13
24	Vertical wavenumber spectra of three-dimensional winds revealed by radiosonde observations at midlatitude. <i>Annales Geophysicae</i> , 2017, 35, 107-116.	1.6	12
25	Observations of gravity wave activity during stratospheric sudden warmings in the Northern Hemisphere. <i>Science China Technological Sciences</i> , 2015, 58, 951-960.	4.0	11
26	Low-frequency oscillations of the gravity wave energy density in the lower atmosphere at low latitudes revealed by U.S. radiosonde data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,458.	3.3	10
27	Latitudinal and Seasonal Variations of Vertical Wave Number Spectra of Three-Dimensional Winds Revealed by Radiosonde Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,174.	3.3	10
28	Comparison of stratospheric evolution during the major sudden stratospheric warming events in 2018 and 2019. <i>Earth and Planetary Physics</i> , 2020, 4, 1-11.	1.1	9
29	The Tropopause Inversion Layer Interaction With the Inertial Gravity Wave Activities and Its Latitudinal Variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7512-7522.	3.3	8
30	Signature of a Quasi 30-Day Oscillation at Midlatitude Based on Wind Observations From MST Radar and Meteor Radar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11266-11280.	3.3	8
31	The vertical wave number spectra of potential energy density in the stratosphere deduced from the COSMIC satellite observation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 318-336.	2.7	8
32	Investigation of dominant traveling 10-day wave components using long-term MERRA-2 database. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	8
33	Understanding the Excitation of Quasi-6-Day Waves in Both Hemispheres During the September 2019 Antarctic SSW. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	8
34	Characteristics of the quasi-16-day wave in the mesosphere and lower thermosphere region as revealed by meteor radar, Aura satellite, and MERRA2 reanalysis data from 2008 to 2017. <i>Earth and Planetary Physics</i> , 2020, 4, 274-284.	1.1	7
35	Investigation on Spectral Characteristics of Gravity Waves in the MLT Using Lidar Observations at Andes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028918.	2.4	7
36	Strong Quarterdiurnal Tides in the Mesosphere and Lower Thermosphere During the 2019 Arctic Sudden Stratospheric Warming Over Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029066.	2.4	7

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37	First Observational Evidence for the Role of Polar Vortex Strength in Modulating the Activity of Planetary Waves in the MLT Region. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7
38	A quasi-27-day oscillation activity from the troposphere to the mesosphere and lower thermosphere at low latitudes. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	6
39	Variations of Kelvin waves around the TTL region during the stratospheric sudden warming events in the Northern Hemisphere winter. <i>Annales Geophysicae</i> , 2016, 34, 331-345.	1.6	5
40	Climatology and seasonal variation of the thermospheric tides and their response to solar activities over Arecibo. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 215, 105592.	1.6	4
41	Water vapor anomaly over the tropical western Pacific in El Niño winters from radiosonde and satellite observations and ERA5 reanalysis data. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13553-13569.	4.9	4
42	Numerical and observational study of ion layer formation at Arecibo. , 2014, , .		3
43	Anomalous changes of temperature and ozone QBOs in 2015~2017 from radiosonde observation and MERRA-2 reanalysis. <i>Earth and Planetary Physics</i> , 2021, 5, 1-10.	1.1	3
44	A study on electric field mapping from the F_2 region to the E region at Arecibo. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 713-718.	2.4	2
45	A Numerical Study of Gravity Wave Propagation Characteristics in the Stratospheric Thermal Duct. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,918.	3.3	2
46	Effect of Temperature and Vertical Drift on Helium Ion Concentration Over Arecibo During Solar Maximum. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9194-9202.	2.4	2
47	Study of a Quasi-27-Day Wave in the MLT Region During Recurrent Geomagnetic Storms in Autumn 2018. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028865.	2.4	2
48	Effect of Semidiurnal Lunar Tides Modulated by Quasi-27-Day Wave on Equatorial Electrojet During Three Sudden Stratospheric Warming Events. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095352.	4.0	2
49	Latitudinal- and height-dependent long-term climatology of propagating quasi-16-day waves in the troposphere and stratosphere. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	2
50	A Statistical Investigation of Inertia Gravity Wave Activity Based on MST Radar Observations at Xianghe (116.9°E, 39.8°N), China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	2
51	Observations of a Strong Intraseasonal Oscillation in the MLT Region During the 2015/2016 Winter Over Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	2
52	The effect of Doppler broadening on D region negative ion ratio measurements at Arecibo. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5816-5824.	2.4	1
53	An Unusually Large Electron Temperature Increase Over Arecibo Associated With an Intense Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029836.	2.4	1
54	Statistical spectral characteristics of three-dimensional winds in the mesopause region revealed by the Andes lidar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035586.	3.3	1

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55	The First Observation of Additional Ionospheric Layers Over Arecibo Using an Incoherent Scatter Radar. Geophysical Research Letters, 2022, 49, .	4.0	1
56	Long-term Study of Quasi-16-day Waves Based on ERA5 Reanalysis Data and EOS-MLS Observations From 2005 to 2020. Journal of Geophysical Research: Space Physics, 0, , .	2.4	1
57	Observations of eastward propagating quasi 6-day waves from the troposphere to the lower thermosphere during SSWs in early 2016. Journal of Geophysical Research D: Atmospheres, 0, , .	3.3	1
58	Extraordinary quasi-16-day wave activity from October 2013 to January 2014 with radar observations at mid-latitudes and MERRA2 reanalysis data. Earth, Planets and Space, 2022, 74, .	2.5	1
59	Three-dimensional short-range microwave holographic imaging algorithm and imaging system scheme. , 2015, , .		0
60	Traveling 10-Day Waves at Mid-Latitudes in the Troposphere and Lower Stratosphere Revealed by Radiosonde Observations and MERRA-2 Data in 2020. Atmosphere, 2022, 13, 656.	2.3	0