Yun Gong

List of Publications by Year
in descending order

60	635	567281 15	713466 21
papers	citations	h-index	g-index

64	64	64	412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Statistical Investigation of Inertia Gravity Wave Activity Based on MST Radar Observations at Xianghe (116.9Â°E, 39.8Â°N), China. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	2
2	Understanding the Excitation of Quasiâ€6â€Day Waves in Both Hemispheres During the September 2019 Antarctic SSW. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	8
3	First Observational Evidence for the Role of Polar Vortex Strength in Modulating the Activity of Planetary Waves in the MLT Region. Geophysical Research Letters, 2022, 49, .	4.0	7
4	The First Observation of Additional Ionospheric Layers Over Arecibo Using an Incoherent Scatter Radar. Geophysical Research Letters, 2022, 49, .	4.0	1
5	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
6	Observations of a Strong Intraseasonal Oscillation in the MLT Region During the 2015/2016 Winter Over Mohe, China. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
7	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
8	Anomalous changes of temperature and ozone QBOs in 2015â"2017 from radiosonde observation and MERRA-2 reanalysis. Earth and Planetary Physics, 2021, 5, 1-10.	1.1	3
9	Investigation on Spectral Characteristics of Gravity Waves in the MLT Using Lidar Observations at Andes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028918.	2.4	7
10	Study of the Quasi 10â€Day Waves in the MLT Region During the 2018 February SSW by a Meteor Radar Chain. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028367.	2.4	14
11	Study of a Quasiâ€27â€Day Wave in the MLT Region During Recurrent Geomagnetic Storms in Autumn 2018. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028865.	2.4	2
12	Investigation of dominant traveling 10-day wave components using long-term MERRA-2 database. Earth, Planets and Space, 2021, 73, .	2.5	8
13	Climatology and seasonal variation of the thermospheric tides and their response to solar activities over Arecibo. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 215, 105592.	1.6	4
14	Water vapor anomaly over the tropical western Pacific in El NiÃ±o winters from radiosonde and satellite observations and ERA5 reanalysis data. Atmospheric Chemistry and Physics, 2021, 21, 13553-13569.	4.9	4
15	Effect of Semidiurnal Lunar Tides Modulated by Quasiâ€2â€Day Wave on Equatorial Electrojet During Three Sudden Stratospheric Warming Events. Geophysical Research Letters, 2021, 48, e2021GL095352.	4.0	2
16	Strong Quarterdiurnal Tides in the Mesosphere and Lower Thermosphere During the 2019 Arctic Sudden Stratospheric Warming Over Mohe, China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029066.	2.4	7
17	A quasi-27-day oscillation activity from the troposphere to the mesosphere and lower thermosphere at low latitudes. Earth, Planets and Space, 2021, 73, .	2.5	6
18	An Unusually Large Electron Temperature Increase Over Arecibo Associated With an Intense Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029836.	2.4	1

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19	Statistical spectral characteristics of threeâ€dimensional winds in the mesopause region revealed by the Andes lidar. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035586.	3.3	1
20	Latitudinal- and height-dependent long-term climatology of propagating quasi-16-day waves in the troposphere and stratosphere. Earth, Planets and Space, 2021, 73, .	2.5	2
21	Study of a Quasi 4â€Day Oscillation During the 2018/2019 SSW Over Mohe, China. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027687.	2.4	13
22	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. Earth and Planetary Physics, 2020, 4, 274-284.	1.1	7
23	Comparison of stratospheric evolution during the major sudden stratospheric warming events in 2018 and 2019. Earth and Planetary Physics, 2020, 4, 1-11.	1.1	9
24	Quasi 10â€and 16â€Day Wave Activities Observed Through Meteor Radar and MST Radar During Stratospheric Final Warming in 2015 Spring. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6040-6056.	3.3	20
25	The Tropopause Inversion Layer Interaction With the Inertial Gravity Wave Activities and Its Latitudinal Variability. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7512-7522.	3.3	8
26	Effect of Temperature and Vertical Drift on Helium Ion Concentration Over Arecibo During Solar Maximum. Journal of Geophysical Research: Space Physics, 2019, 124, 9194-9202.	2.4	2
27	Latitudinal and Topographical Variabilities of Free Atmospheric Turbulence From Highâ€Resolution Radiosonde Data Sets. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4283-4298.	3.3	19
28	Signature of a Quasi 30â€Day Oscillation at Midlatitude Based on Wind Observations From MST Radar and Meteor Radar. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11266-11280.	3.3	8
29	Statistical Study of Atmospheric Turbulence by Thorpe Analysis. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2897-2908.	3.3	16
30	A Statistical Analysis of the Propagating Quasi 16â€Day Waves at High Latitudes and Their Response to Sudden Stratospheric Warmings From 2005 to 2018. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12617-12630.	3.3	18
31	Climatology of the Quasiâ€6â€Day Wave in the Mesopause Region and Its Modulations on Total Electron Content During 2003â€“2017. Journal of Geophysical Research: Space Physics, 2019, 124, 573-583.	2.4	13
32	The vertical wave number spectra of potential energy density in the stratosphere deduced from the COSMIC satellite observation. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 318-336.	2.7	8
33	A Numerical Study of Gravity Wave Propagation Characteristics in the Stratospheric Thermal Duct. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,918.	3.3	2
34	A Study on the Quarterdiurnal Tide in the Thermosphere at Arecibo During the February 2016 Sudden Stratospheric Warming Event. Geophysical Research Letters, 2018, 45, 13,142.	4.0	19
35	Study of Mean Wind Variations and Gravity Wave Forcing Via a Meteor Radar Chain and Comparison with HWMâ€07 Results. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9488-9501.	3.3	15
36	Study of the Quasiâ€5â€Day Wave in the MLT Region by a Meteor Radar Chain. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9474-9487.	3.3	30

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37	Simultaneous upward and downward propagating inertiaâ€gravity waves in the MLT observed at Andes Lidar Observatory. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2812-2830.	3.3	15
38	The effect of Doppler broadening on D region negative ion ratio measurements at Arecibo. Journal of Geophysical Research: Space Physics, 2017, 122, 5816-5824.	2.4	1
39	Responses of Quasi 2ÂDay Waves in the MLT Region to the 2013 SSW Revealed by a Meteor Radar Chain. Geophysical Research Letters, 2017, 44, 9142-9150.	4.0	34
40	Latitudinal and Seasonal Variations of Vertical Wave Number Spectra of Threeâ€Dimensional Winds Revealed by Radiosonde Observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 13,174.	3.3	10
41	Vertical wavenumber spectra of three-dimensional winds revealed by radiosonde observations at midlatitude. Annales Geophysicae, 2017, 35, 107-116.	1.6	12
42	Variations of Kelvin waves around the TTL region during the stratospheric sudden warming events in the Northern Hemisphere winter. Annales Geophysicae, 2016, 34, 331-345.	1.6	5
43	A study on electric field mapping from the F region to the E region at Arecibo. Journal of Geophysical Research: Space Physics, 2016, 121, 713-718.	2.4	2
44	Lowâ€frequency oscillations of the gravity wave energy density in the lower atmosphere at low latitudes revealed by U.S. radiosonde data. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,458.	3.3	10
45	An incoherent scatter radar study of the midnight temperature maximum that occurred at Arecibo during a sudden stratospheric warming event in January 2010. Journal of Geophysical Research: Space Physics, 2016, 121, 5571-5578.	2.4	13
46	The interaction between the tropopause inversion layer and the inertial gravity wave activities revealed by radiosonde observations at a midlatitude station. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8099-8111.	3.3	18
47	Three-dimensional short-range microwave holographic imaging algorithm and imaging system scheme. , 2015, , .		0
48	Observations of gravity wave activity during stratospheric sudden warmings in the Northern Hemisphere. Science China Technological Sciences, 2015, 58, 951-960.	4.0	11
49	Diurnal variations of the planetary boundary layer height estimated from intensive radiosonde observations over Yichang, China. Science China Technological Sciences, 2014, 57, 2172-2176.	4.0	18
50	Climatology of global gravity wave activity and dissipation revealed by SABER/TIMED temperature observations. Science China Technological Sciences, 2014, 57, 998-1009.	4.0	13
51	Numerical and observational study of ion layer formation at Arecibo. , 2014, , .		3
52	The F region and topside ionosphere response to a strong geomagnetic storm at Arecibo. Journal of Geophysical Research: Space Physics, 2013, 118, 5177-5183.	2.4	15
53	Nonlinear coupling between quasi 2â€‰day wave and tides based on meteor radar observations at Maui. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,936.	3.3	36
54	Atmospheric tides in the lowâ€latitude E and F regions and their responses to a sudden stratospheric warming event in January 2010. Journal of Geophysical Research: Space Physics, 2013, 118, 7913-7927.	2.4	27

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55	Thirdâ€•order resonant interaction of atmospheric gravity waves. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2197-2206.	3.3	13
56	Latitudinal and altitudinal variability of lower atmospheric inertial gravity waves revealed by U.S. radiosonde data. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7750-7764.	3.3	33
57	Midnight ionosphere collapse at Arecibo and its relationship to the neutral wind, electric field, and ambipolar diffusion. Journal of Geophysical Research, 2012, 117, .	3.3	26
58	Incoherent scatter radar study of the terdiurnal tide in the Eâ€•and Fâ€•region heights at Arecibo. Geophysical Research Letters, 2011, 38, .	4.0	28
59	Longâ€•term Study of Quasiâ€•16â€•day Waves Based on ERA5 Reanalysis Data and EOSÂMLS Observations From 2005 to 2020. Journal of Geophysical Research: Space Physics, 0, , .	2.4	1
60	Observations of eastward propagating quasi 6â€•day waves from the troposphere to the lower thermosphere during SSWs in early 2016. Journal of Geophysical Research D: Atmospheres, 0, , .	3.3	1