

Chun-ming Huang

List of Publications by Year in descending order

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69
papers

990
citations

516215

16
h-index

525886

27
g-index

70
all docs

70
docs citations

70
times ranked

567
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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, . | 1.2 | 2 |
| 2 | 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, . | 1.2 | 8 |
| 3 | 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, . | 1.5 | 7 |
| 4 | Statistical Characteristics of the Low-Latitude E-Region Irregularities Observed by the HCOPAR in South China. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 0.8 | 8 |
| 5 | Traveling 10-Day Waves at Mid-Latitudes in the Troposphere and Lower Stratosphere Revealed by Radiosonde Observations and MERRA-2 Data in 2020. <i>Atmosphere</i> , 2022, 13, 656. | 1.0 | 0 |
| 6 | 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, . | 0.8 | 2 |
| 7 | Extraordinary quasi-16-day wave activity from October 2013 to January 2014 with radar observations at mid-latitudes and MERRA2 reanalysis data. <i>Earth, Planets and Space</i> , 2022, 74, . | 0.9 | 1 |
| 8 | The High-Latitude Dawn-Dusk Asymmetry of Ionospheric Plasma Distribution in the Northern Hemisphere. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 0.8 | 0 |
| 9 | 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. | 0.4 | 3 |
| 10 | 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. | 0.8 | 7 |
| 11 | 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. | 0.8 | 14 |
| 12 | 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. | 0.8 | 2 |
| 13 | Investigation of dominant traveling 10-day wave components using long-term MERRA-2 database. <i>Earth, Planets and Space</i> , 2021, 73, . | 0.9 | 8 |
| 14 | Global characteristics of the westward-propagating quasi-16-day wave with zonal wavenumber 1 and the connection with the 2012/2013 SSW revealed by ERA-Interim. <i>Earth, Planets and Space</i> , 2021, 73, . | 0.9 | 5 |
| 15 | Effect of Semidiurnal Lunar Tides Modulated by Quasi-2-Day Wave on Equatorial Electrojet During Three Sudden Stratospheric Warming Events. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095352. | 1.5 | 2 |
| 16 | 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. | 0.8 | 7 |
| 17 | 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, . | 0.9 | 6 |
| 18 | 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. | 1.2 | 1 |

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|----|---|-----|-----------|
| 19 | Investigation of near-global daytime boundary layer height using high-resolution radiosondes: first results and comparison with ERA5, MERRA-2, JRA-55, and NCEP-2 reanalyses. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17079-17097. | 1.9 | 99 |
| 20 | 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, . | 0.9 | 2 |
| 21 | Statistical Study of the Midlatitude Mesospheric Vertical Winds Observed by the Wuhan and Beijing MST Radars in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032776. | 1.2 | 10 |
| 22 | Study of a Quasi 4â€•Day Oscillation During the 2018/2019 SSW Over Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027687. | 0.8 | 13 |
| 23 | 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. | 0.4 | 7 |
| 24 | The Comparison of Predicting Storm-Time Ionospheric TEC by Three Methods: ARIMA, LSTM, and Seq2Seq. <i>Atmosphere</i> , 2020, 11, 316. | 1.0 | 59 |
| 25 | 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. | 0.4 | 9 |
| 26 | Quasi 10â€•and 16â€•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. | 1.2 | 20 |
| 27 | 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. | 1.2 | 8 |
| 28 | Latitudinal and Topographical Variabilities of Free Atmospheric Turbulence From Highâ€•Resolution Radiosonde Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4283-4298. | 1.2 | 19 |
| 29 | Signature of a Quasi 30â€•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. | 1.2 | 8 |
| 30 | Statistical Study of Atmospheric Turbulence by Thorpe Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2897-2908. | 1.2 | 16 |
| 31 | A Statistical Analysis of the Propagating Quasi 16â€•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. | 1.2 | 18 |
| 32 | Climatology and Anomaly of the Quasiâ€•Twoâ€•Day Wave Behaviors During 2003â€•2018 Austral Summer Periods. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 544-556. | 0.8 | 12 |
| 33 | 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. | 1.0 | 8 |
| 34 | Improvement of a Deep Learning Algorithm for Total Electron Content Maps: Image Completion. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 790-800. | 0.8 | 68 |
| 35 | 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. | 1.2 | 2 |
| 36 | Study of Mean Wind Variations and Gravity Wave Forcing Via a Meteor Radar Chain and Comparison with HWMâ€•07 Results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9488-9501. | 1.2 | 15 |

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|----|---|-----|-----------|
| 37 | 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. | 1.2 | 30 |
| 38 | A Statistical Study of Inertia Gravity Waves in the Lower Stratosphere Over the Arctic Region Based on Radiosonde Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4958-4976. | 1.2 | 14 |
| 39 | Extraction of the geomagnetic activity effect from TEC data: A comparison between the spectral whitening method and 28-day running median. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3632-3639. | 0.8 | 16 |
| 40 | 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. | 1.2 | 15 |
| 41 | Study on the relationship between the residual 27-day quasiperiodicity and ionospheric Q disturbances. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2542-2550. | 0.8 | 8 |
| 42 | 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. | 0.8 | 1 |
| 43 | Double sporadic metal layers as observed by colocated Fe and Na lidars at Wuhan, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2237-2248. | 0.8 | 1 |
| 44 | Planetary Wave Characteristics in the Lower Atmosphere Over Xianghe (117.00°E, 39.77°N), China, Revealed by the Beijing MST Radar and MERRA Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9745-9758. | 1.2 | 11 |
| 45 | 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. | 1.5 | 34 |
| 46 | 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. | 1.2 | 10 |
| 47 | Vertical wavenumber spectra of three-dimensional winds revealed by radiosonde observations at midlatitude. <i>Annales Geophysicae</i> , 2017, 35, 107-116. | 0.6 | 12 |
| 48 | 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. | 0.6 | 5 |
| 49 | A mechanism to explain the variations of tropopause and tropopause inversion layer in the Arctic region during a sudden stratospheric warming in 2009. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,932. | 1.2 | 5 |
| 50 | 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. | 1.2 | 10 |
| 51 | 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. | 1.2 | 18 |
| 52 | A new pair of indices to describe the relationship between ionospheric disturbances and geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,156. | 0.8 | 18 |
| 53 | A numerical study on matching relationships of gravity waves in nonlinear interactions. <i>Science China Earth Sciences</i> , 2013, 56, 1079-1090. | 2.3 | 1 |
| 54 | 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. | 1.2 | 36 |

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|----|---|-----|-----------|
| 55 | Third-order resonant interaction of atmospheric gravity waves. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2197-2206. | 1.2 | 13 |
| 56 | 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. | 1.2 | 33 |
| 57 | High vertical resolution analyses of gravity waves and turbulence at a midlatitude station. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 34 |
| 58 | Atmospheric waves and their interactions in the thermospheric neutral wind as observed by the Arecibo incoherent scatter radar. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 15 |
| 59 | Atmospheric gravity wave excitation through sum nonresonant interaction. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 2429-2436. | 0.6 | 9 |
| 60 | Reflection and transmission of atmospheric gravity waves in a stably sheared horizontal wind field. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 20 |
| 61 | Seasonal variations of the nocturnal mesospheric Na and Fe layers at 30°N. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 33 |
| 62 | Gravity wave excitation through resonant interaction in a compressible atmosphere. <i>Geophysical Research Letters</i> , 2009, 36, . | 1.5 | 22 |
| 63 | Some ubiquitous features of the mesospheric Fe and Na layer borders from simultaneous and common-volume Fe and Na lidar observations. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 14 |
| 64 | Propagation and reflection of gravity waves in a meridionally sheared wind field. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 15 |
| 65 | A numerical study on nonresonant interactions of gravity waves in a compressible atmosphere. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 15 |
| 66 | Simultaneous observations of sporadic Fe and Na layers by two closely collocated resonance fluorescence lidars at Wuhan (30.5°N, 114.4°E), China. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 33 |
| 67 | A numerical study of the impact of nonlinearity on the amplitude of the migrating diurnal tide. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 631-648. | 0.6 | 11 |
| 68 | Long-term Study of Quasi-6-day Waves Based on ERA5 Reanalysis Data and EOS-MLS Observations From 2005 to 2020. <i>Journal of Geophysical Research: Space Physics</i> , 0, , . | 0.8 | 1 |
| 69 | Observations of eastward propagating quasi 6-day waves from the troposphere to the lower thermosphere during SSWs in early 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , . | 1.2 | 1 |