

Hui Wang

List of Publications by Year in descending order

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43
papers

629
citations

623188
14
h-index

676716
22
g-index

52
all docs

52
docs citations

52
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the boundaries of the auroral oval from CHAMP field-aligned current signatures â€“ Part 1. Annales Geophysicae, 2014, 32, 609-622.	0.6	56
2	Statistical study of the subauroral polarization stream: Its dependence on the crossâ€“polar cap potential and subauroral conductance. Journal of Geophysical Research, 2008, 113, .	3.3	50
3	Climatology of the Occurrence Rate and Amplitudes of Local Time Distinguished Equatorial Plasma Depletions Observed by Swarm Satellite. Journal of Geophysical Research: Space Physics, 2018, 123, 3014-3026.	0.8	46
4	Effect of subauroral polarization streams on the thermosphere: A statistical study. Journal of Geophysical Research, 2011, 116, .	3.3	41
5	Theoretical study of zonal differences of electron density at midlatitudes with GITM simulation. Journal of Geophysical Research: Space Physics, 2015, 120, 2951-2966.	0.8	25
6	Temporal and spatial effects of subauroral polarization streams on the thermospheric dynamics. Journal of Geophysical Research, 2012, 117, .	3.3	23
7	Seasonal variation of the ion upflow in the topside ionosphere during SAPS (subauroral polarization) Tj ETQq1 1 0.784314 rgBT /Overbo	0.6	23
8	The relation between subauroral polarization streams, westward ion fluxes, and zonal wind: Seasonal and hemispheric variations. Journal of Geophysical Research, 2012, 117, .	3.3	22
9	The Longitudinal Variations of Upper Thermospheric Zonal Winds Observed by the CHAMP Satellite at Low and Midlatitudes. Journal of Geophysical Research: Space Physics, 2018, 123, 9652-9668.	0.8	22
10	Largeâ€“scale Structure of Subauroral Polarization Streams During the Main Phase of a Severe Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2018, 123, 2964-2973.	0.8	18
11	Universal time variation of highâ€“latitude thermospheric disturbance wind in response to a substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 4638-4653.	0.8	17
12	The Relationship of Highâ€“Latitude Thermospheric Wind With Ionospheric Horizontal Current, as Observed by CHAMP Satellite. Journal of Geophysical Research: Space Physics, 2017, 122, 12,378.	0.8	17
13	Effects of Subauroral Polarization Streams on the Equatorial Electrojet During the Geomagnetic Storm on June 1, 2013. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029681.	0.8	16
14	Longitudinal variation in zonal winds at subauroral regions: Possible mechanisms. Journal of Geophysical Research: Space Physics, 2016, 121, 745-763.	0.8	15
15	The effect of subauroral polarization streams on the mid-latitude thermospheric disturbance neutral winds: aÂ“universal time effect. Annales Geophysicae, 2018, 36, 509-525.	0.6	15
16	Nighttime meridional neutral wind responses to SAPS simulated by the TIEGCM: a universal time effect. Earth and Planetary Physics, 2021, 5, 1-11.	0.4	15
17	Global characteristics of auroral Hall currents derived from the SwarmÂ“constellation: dependences on season and IMF orientation. Annales Geophysicae, 2017, 35, 1249-1268.	0.6	14
18	Storm Time EMIC Waves Observed by Swarm and Van Allen Probe Satellites. Journal of Geophysical Research: Space Physics, 2019, 124, 293-312.	0.8	14

#	ARTICLE	IF	CITATIONS
19	The Effects of IMF B_z Periodic Oscillations on Thermospheric Meridional Winds. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5800-5815.	0.8	13
20	Strong ionospheric field-aligned currents for radial interplanetary magnetic fields. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3979-3995.	0.8	12
21	Dependence of the Equatorial Electrojet on Auroral Activity and In Situ Solar Insulation. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10659-10673.	0.8	11
22	The spatial distribution of region 2 field-aligned currents relative to subauroral polarization stream. <i>Annales Geophysicae</i> , 2014, 32, 533-542.	0.6	10
23	A Statistical Study on the Climatology of the Equatorial Plasma Depletions Occurrence at Topside Ionosphere During Geomagnetic Disturbed Periods. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8023-8038.	0.8	10
24	Local Time and Longitudinal Differences in the Occurrence Frequency of Ionospheric EMIC Waves During Magnetic Storm Periods. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028878.	0.8	10
25	Vertical structure of longitudinal differences in electron densities at mid-latitudes. <i>Science Bulletin</i> , 2016, 61, 252-262.	4.3	9
26	Longitudinal structure in electron density at mid-latitudes: upward-propagating tidal effects. <i>Earth, Planets and Space</i> , 2017, 69, .	0.9	9
27	Spatial Characteristics on the Occurrence of the Nighttime Midlatitude Medium-Scale Traveling Ionospheric Disturbance at Topside Ionosphere Revealed by the Swarm Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027739.	0.8	9
28	Influence of Nonmigrating Tides and Geomagnetic Field Geometry on the Diurnal and Longitudinal Variations of the Equatorial Electrojet. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027631.	0.8	9
29	Dynamics of the Tongue of Ionizations During the Geomagnetic Storm on September 7, 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029038.	0.8	9
30	Effects of Subauroral Polarization Streams on the Equatorial Electrojet During the Geomagnetic Storm on 1 June 2013: 2. The Temporal Variations. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	9
31	The dayside magnetopause location during radial interplanetary magnetic field periods: Cluster observation and model comparison. <i>Annales Geophysicae</i> , 2015, 33, 437-448.	0.6	8
32	Longitudinal modulation of electron and mass densities at middle and auroral latitudes: Effect of geomagnetic field strength. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6595-6610.	0.8	8
33	Temporal and spatial variations of the equatorial electrojet during storm times from CHAMP observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 179, 307-315.	0.6	7
34	Local Time Variations of the Equatorial Electrojet in Simultaneous Response to Subauroral Polarization Streams During Quiet Time. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
35	Effects of Solar Illumination and Substorms on Auroral Electrojets Based on CHAMP Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028905.	0.8	5
36	Persistent Occurrence of Strip-Like Plasma Density Bulges at Conjugate Lower-Mid Latitudes During the September 8-9, 2017 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029020.	0.8	5

#	ARTICLE	IF	CITATIONS
37	Influence of the Magnetic Field Strength and Solar Activity on the Thermospheric Zonal Wind. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	5
38	Comparative Study of Subauroral Polarization Streams with DMSP Observation and RAM Simulation. Chinese Journal of Geophysics, 2009, 52, 531-540.	0.2	3
39	Longitudinal Variation in the Thermospheric Superrotation: CHAMP Observation and TIEâ€C GCM Simulation. Geophysical Research Letters, 2021, 48, e2021GL095439.	1.5	3
40	Tidal spectrum analysis of electron density and plasma vertical velocity at mid-latitudes. Chinese Science Bulletin, 2015, 60, 3239-3250.	0.4	3
41	Magnetic Local Time and Latitude Distribution of Ionospheric Largeâ€C Spatialâ€C Scale EMIC Wave Events: Swarm Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	3
42	Equatorial Nighttime Thermospheric Zonal Wind Jet Response to the Temporal Oscillation of Solar Wind. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029345.	0.8	2
43	Substorm Time Ionospheric Fieldâ€C Aligned Currents as Observed by CHAMP. Chinese Journal of Geophysics, 2010, 53, 339-346.	0.2	1