

Wen-Bin Wang

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245
papers

5,555
citations

40
h-index

61
g-index

269
ext. papers

6,705
ext. citations

2.8
avg, IF

5.67
L-index

#	Paper	IF	Citations
245	Comparison of COSMIC ionospheric measurements with ground-based observations and model predictions: Preliminary results. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		226
244	Ionospheric variability due to planetary waves and tides for solar minimum conditions. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		181
243	The NCAR TIE-GCM. <i>Geophysical Monograph Series</i> , 2014 , 73-83	1.1	154
242	Plausible effect of atmospheric tides on the equatorial ionosphere observed by the FORMOSAT-3/COSMIC: Three-dimensional electron density structures. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	140
241	Development and Validation of the Whole Atmosphere Community Climate Model With Thermosphere and Ionosphere Extension (WACCM-X 2.0). <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 381-402	7.1	133
240	Initial results from the coupled magnetosphere ionosphere thermosphere model: magnetospheric and ionospheric responses. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1411-1423	2	122
239	Observations and simulations of the ionospheric and thermospheric response to the December 2006 geomagnetic storm: Initial phase. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		104
238	Initial results from the coupled magnetosphere-ionosphere-thermosphere model: thermosphere-ionosphere responses. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1425-1441		99
237	Ionosphere response to solar wind high-speed streams. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	93
236	Profiles of ionospheric storm-enhanced density during the 17 March 2015 great storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 727-744	2.6	86
235	Midlatitude summer nighttime anomaly of the ionospheric electron density observed by FORMOSAT-3/COSMIC. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		81
234	Ionospheric annual asymmetry observed by the COSMIC radio occultation measurements and simulated by the TIEGCM. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		76
233	Behavior of the F2 peak ionosphere over the South Pacific at dusk during quiet summer conditions from COSMIC data. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		76
232	Annual/semiannual variation of the ionosphere. <i>Geophysical Research Letters</i> , 2013 , 40, 1928-1933	4.9	68
231	Three-dimensional ionospheric electron density structure of the Weddell Sea Anomaly. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		68
230	Seasonal and solar activity variations of the Weddell Sea Anomaly observed in the TOPEX total electron content measurements. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		65
229	Ionospheric electric field variations during a geomagnetic storm simulated by a coupled magnetosphere ionosphere thermosphere (CMIT) model. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	65

228	Global 3-D ionospheric electron density reanalysis based on multisource data assimilation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		63
227	Parameterization of monoenergetic electron impact ionization. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	62
226	Electron impact ionization: A new parameterization for 100 eV to 1 MeV electrons. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		60
225	A high-resolution, three-dimensional, time dependent, nested grid model of the coupled thermosphere-ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1999 , 61, 385-397	2	59
224	Assimilation of FORMOSAT-3/COSMIC electron density profiles into a coupled thermosphere/ionosphere model using ensemble Kalman filtering. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		58
223	Ionospheric response to the initial phase of geomagnetic storms: Common features. <i>Journal of Geophysical Research</i> , 2010 , 115,		58
222	Coupled model simulation of a Sun-to-Earth space weather event. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1243-1256	2	57
221	Midlatitude nighttime enhancement in F region electron density from global COSMIC measurements under solar minimum winter condition. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		56
220	Impact of CIR Storms on Thermosphere Density Variability during the Solar Minimum of 2008. <i>Solar Physics</i> , 2011 , 274, 427-437	2.6	55
219	The ionospheric and thermospheric response to CMEs: Challenges and successes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 77-85	2	55
218	Was Magnetic Storm the Only Driver of the Long-Duration Enhancements of Daytime Total Electron Content in the Asian-Australian Sector Between 7 and 12 September 2017?. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3217-3232	2.6	51
217	Unusually long lasting multiple penetration of interplanetary electric field to equatorial ionosphere under oscillating IMF Bz. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	49
216	The effects of Corotating interaction region/High speed stream storms on the thermosphere and ionosphere during the last solar minimum. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012 , 83, 79-87	2	45
215	New aspects of the ionospheric response to the October 2003 superstorms from multiple-satellite observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2298-2317	2.6	44
214	Modeling studies of the impact of high-speed streams and co-rotating interaction regions on the thermosphere-ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		44
213	Quasi two day wave-related variability in the background dynamics and composition of the mesosphere/thermosphere and the ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4786-4804	2.6	43
212	Ionized Plasma and Neutral Gas Coupling in the Sun's Chromosphere and Earth's Ionosphere/Thermosphere. <i>Space Science Reviews</i> , 2014 , 184, 107-172	7.5	43
211	Long-duration depletion in the topside ionospheric total electron content during the recovery phase of the March 2015 strong storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4733-4747	2.6	43

210	Relative importance of horizontal and vertical transports to the formation of ionospheric storm-enhanced density and polar tongue of ionization. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8121-8133	2.6	40
209	Thermosphere and ionosphere response to subauroral polarization streams (SAPS): Model simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		40
208	Rapid recovery of thermosphere density during the October 2003 geomagnetic storms. <i>Journal of Geophysical Research</i> , 2011 , 116,		40
207	Ionospheric Day-to-Day Variability Around the Whole Heliosphere Interval in 2008. <i>Solar Physics</i> , 2011 , 274, 457-472	2.6	40
206	The solar-cycle-dependent response of the thermosphere to geomagnetic storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1-14	2	40
205	Overcooling in the upper thermosphere during the recovery phase of the 2003 October storms. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		37
204	Observations of ion-neutral coupling associated with strong electrodynamic disturbances during the 2015 St. Patrick's Day storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1314-1337	2.6	36
203	Daytime climatology of ionospheric NmF2 and hmF2 from COSMIC data. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		36
202	Observations and simulations of quasiperiodic ionospheric oscillations and large-scale traveling ionospheric disturbances during the December 2006 geomagnetic storm. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		36
201	Global Responses of the Coupled Thermosphere and Ionosphere System to the August 2017 Great American Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7040-7050	2.6	35
200	The ionospheric midlatitude trough observed by FORMOSAT-3/COSMIC during solar minimum. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		35
199	Quasi-two-day wave coupling of the mesosphere and lower thermosphere-ionosphere in the TIME-GCM: Two-day oscillations in the ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		34
198	Geospace system responses to the St. Patrick's Day storms in 2013 and 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6901-6906	2.6	33
197	Short-term variability in the ionosphere due to the nonlinear interaction between the 6-day wave and migrating tides. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8831-8846	2.6	33
196	A comparison of the effects of CIR- and CME-induced geomagnetic activity on thermospheric densities and spacecraft orbits: Case studies. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		33
195	Wavenumber broadening of the quasi 2 day planetary wave in the ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3515-3526	2.6	33
194	First Results From the Ionospheric Extension of WACCM-X During the Deep Solar Minimum Year of 2008. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1534-1553	2.6	32
193	Enhancement of thermospheric mass density by soft electron precipitation. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	32

192	The response of the coupled magnetosphere-ionosphere-thermosphere system to a 25% reduction in the dipole moment of the Earth's magnetic field. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		32
191	Global patterns of Joule heating in the high-latitude ionosphere. <i>Journal of Geophysical Research</i> , 2005 , 110,		32
190	Effects of electrojet turbulence on a magnetosphere-ionosphere simulation of a geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5008-5027	2.6	31
189	Changes of thermospheric composition and ionospheric density caused by quasi 2 day wave dissipation. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2069-2078	2.6	31
188	A comparison of the effects of CIR- and CME-induced geomagnetic activity on thermospheric densities and spacecraft orbits: Statistical studies. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7928-7939	2.6	31
187	Electron temperature climatology at Millstone Hill and Arecibo. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		31
186	Long-lasting negative ionospheric storm effects in low and middle latitudes during the recovery phase of the 17 March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9234-9249	2.6	31
185	Impact of the interaction between the quasi-2 day wave and tides on the ionosphere and thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3555-3563	2.6	30
184	Effects of inferring unobserved thermospheric and ionospheric state variables by using an Ensemble Kalman Filter on global ionospheric specification and forecasting. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9256-9267	2.6	30
183	Seasonal and hemispheric variations of the total auroral precipitation energy flux from TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		30
182	Solar Flare and Geomagnetic Storm Effects on the Thermosphere and Ionosphere During 6 th September 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2298-2311	2.6	29
181	Equatorial ionospheric plasma drifts and O ⁺ concentration enhancements associated with disturbance dynamo during the 2015 St. Patrick's Day magnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7961-7973	2.6	29
180	Response of the topside and bottomside ionosphere at low and middle latitudes to the October 2003 superstorms. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6974-6986	2.6	29
179	Duration of an ionospheric data assimilation initialization of a coupled thermosphere-ionosphere model. <i>Space Weather</i> , 2007 , 5, n/a-n/a	3.7	29
178	The Two-Dimensional Evolution of Thermospheric O/N ₂ Response to Weak Geomagnetic Activity During Solar-Minimum Observed by GOLD. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088838	4.9	29
177	The summer evening anomaly and conjugate effects. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		28
176	Altitude variations of the horizontal thermospheric winds during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		28
175	On the solar cycle variation of the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4938-4949	2.6	27

174	Observations of thermosphere and ionosphere changes due to the dissipative 6.5-day wave in the lower thermosphere. <i>Annales Geophysicae</i> , 2015 , 33, 913-922	2	26
173	A numerical study of the response of ionospheric electron temperature to geomagnetic activity. <i>Journal of Geophysical Research</i> , 2006 , 111,		26
172	Double-peak subauroral ion drifts (DSAIDs). <i>Geophysical Research Letters</i> , 2016 , 43, 5554-5562	4.9	24
171	Mesoscale field-aligned irregularity structures (FAIs) of airglow associated with medium-scale traveling ionospheric disturbances (MSTIDs). <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9839-9858	2.6	24
170	Driving the TING model with GAIM electron densities: Ionospheric effects on the thermosphere. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		24
169	Variations of the nighttime thermospheric mass density at low and middle latitudes. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		23
168	Carbon dioxide trends in the mesosphere and lower thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4474-4488	2.6	22
167	A self-consistent model of helium in the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6884-6900	2.6	22
166	First daytime thermospheric wind observation from a balloon-borne Fabry-Perot interferometer over Kiruna (68N). <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	22
165	Long-Lasting Response of the Global Thermosphere and Ionosphere to the 21 August 2017 Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4309-4316	2.6	22
164	An observational and theoretical study of the longitudinal variation in neutral temperature induced by aurora heating in the lower thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7410-7425	2.6	21
163	The longitudinal variation of the daily mean thermospheric mass density. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 515-523	2.6	21
162	A statistical analysis of equatorial plasma bubble structures based on an all-sky airglow imager network in China. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,495-11,517	2.6	20
161	Explaining solar cycle effects on composition as it relates to the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5890-5898	2.6	20
160	The effect of periodic variations of thermospheric density on CHAMP and GRACE orbits. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		20
159	Investigation of a Neutral Tongue Observed by GOLD During the Geomagnetic Storm on May 11, 2019. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028817	2.6	20
158	Seasonal and latitudinal differences of the saturation effect between ionospheric NmF2 and solar activity indices. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		19
157	Responses of the lower thermospheric temperature to the 9 day and 13.5 day oscillations of recurrent geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4841-4859	2.6	18

156	Longitudinal variations of topside ionospheric and plasmaspheric TEC. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6737-6760	2.6	18
155	The effect of ~27 day solar rotation on ionospheric F2 region peak densities (NmF2). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
154	Simulations of the equatorial thermosphere anomaly: Physical mechanisms for crest formation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
153	Electrodynamics of magnetosphere-ionosphere coupling and feedback on magnetospheric field line resonances. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		18
152	Thermospheric recovery during the 5 April 2010 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4588-4599	2.6	17
151	The quasi 2-day wave response in TIME-GCM nudged with NOGAPS-ALPHA. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5709-5732	2.6	17
150	Different Evolution Patterns of Subauroral Polarization Streams (SAPS) During Intense Storms and Quiet Time Substorms. <i>Geophysical Research Letters</i> , 2017 , 44, 10,796	4.9	17
149	Suppression of the Polar Tongue of Ionization During the 21 August 2017 Solar Eclipse. <i>Geophysical Research Letters</i> , 2018 , 45, 2918-2925	4.9	17
148	Nonmigrating tidal modulation of the equatorial thermosphere and ionosphere anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3036-3043	2.6	17
147	GNSS radio occultation (RO) derived electron density quality in high latitude and polar region: NCAR-TIEGCM simulation and real data evaluation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 98, 39-49	2	17
146	Simulations of the equatorial thermosphere anomaly: Field-aligned ion drag effect. <i>Journal of Geophysical Research</i> , 2012 , 117,		17
145	A Comparison Study of NO Cooling Between TIMED/SABER Measurements and TIEGCM Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8714-8729	2.6	17
144	A TIEGCM numerical study of the source and evolution of ionospheric F-region tongues of ionization: Universal time and interplanetary magnetic field dependence. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017 , 156, 87-96	2	16
143	Ionospheric response to CIR-induced recurrent geomagnetic activity during the declining phase of solar cycle 23. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1394-1418	2.6	16
142	Vertical variations in the N2 mass mixing ratio during a thermospheric storm that have been simulated using a coupled magnetosphere-ionosphere-thermosphere model. <i>Journal of Geophysical Research</i> , 2006 , 111,		16
141	Simulations of the ionospheric annual asymmetry: Sun-Earth distance effect. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6727-6736	2.6	15
140	Multiday thermospheric density oscillations associated with variations in solar radiation and geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3829-3846	2.6	15
139	Interesting Equatorial Plasma Bubbles Observed by All-Sky Imagers in the Equatorial Region of China. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,596	2.6	15

138	Pathways of F region thermospheric mass density enhancement via soft electron precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5824-5831	2.6	15
137	Electromagnetic waves generated by ionospheric feedback instability. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		15
136	Comparison of GOLD Nighttime Measurements With Total Electron Content: Preliminary Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027767	2.6	15
135	Does the Peak Response of the Ionospheric F2 Region Plasma Lag the Peak of 27-Day Solar Flux Variation by Multiple Days?. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7906-7916	2.6	15
134	Physical Processes Driving the Response of the F2 Region Ionosphere to the 21 August 2017 Solar Eclipse at Millstone Hill. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2978-2991	2.6	14
133	New Observations of Large-Scale Waves Coupling With the Ionosphere Made by the GOLD Mission: Quasi-16-Day Wave Signatures in the F-Region OI 135.6-nm Nightglow During Sudden Stratospheric Warmings. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027880	2.6	14
132	Altitude variations in the thermosphere mass density response to geomagnetic activity during the recent solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2160-2177	2.6	14
131	The correlation between electron temperature and density in the topside ionosphere during 2006-2009. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,724-10,739	2.6	14
130	CMIT study of CR2060 and 2068 comparing L1 and MAS solar wind drivers. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012 , 83, 39-50	2	14
129	Annual asymmetry in thermospheric density: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2503-2510	2.6	14
128	Effect of the altitudinal variation of the gravitational acceleration on the thermosphere simulation. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		14
127	Effects of the equatorial ionosphere anomaly on the interhemispheric circulation in the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2522-2530	2.6	14
126	New insights into the complex interplay between drag forces and its thermospheric consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,417-10,430	2.6	13
125	Anomalous electron heating effects on the E region ionosphere in TIEGCM. <i>Geophysical Research Letters</i> , 2016 , 43, 2351-2358	4.9	13
124	On the Responses of Mesosphere and Lower Thermosphere Temperatures to Geomagnetic Storms at Low and Middle Latitudes. <i>Geophysical Research Letters</i> , 2018 , 45, 10,128	4.9	13
123	SAPS in the 17 March 2013 Storm Event: Initial Results From the Coupled Magnetosphere-Ionosphere-Thermosphere Model. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6212-6225	2.6	13
122	The winter helium bulge revisited. <i>Geophysical Research Letters</i> , 2014 , 41, 6603-6609	4.9	13
121	Formation of polar ionospheric tongue of ionization during minor geomagnetic disturbed conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6860-6873	2.6	13

120	Longitudinal variations of nighttime electron auroral precipitation in both the Northern and Southern hemispheres from the TIMED global ultraviolet imager. <i>Journal of Geophysical Research</i> , 2011 , 116,		13
119	A Bogue neutral composition. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 1457-1468		13
118	Prediction of the thermospheric and ionospheric responses to the 21 June 2020 annular solar eclipse. <i>Earth and Planetary Physics</i> , 2020 , 4, 1-7	1.6	13
117	Understanding the Behaviors of Thermospheric Nitric Oxide Cooling During the 15 May 2005 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2113-2126	2.6	12
116	Large-Scale Structure of Subauroral Polarization Streams During the Main Phase of a Severe Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2964-2973	2.6	12
115	First Palmer and Millstone Hill midlatitude conjugate observation of thermospheric winds. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3016-3028	2.6	12
114	Field-aligned plasma diffusive fluxes in the topside ionosphere from radio occultation measurements by CHAMP. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 967-974	2	12
113	Variations in Thermosphere Composition and Ionosphere Total Electron Content Under Geomagnetically Quiet Conditions at Solar-Minimum. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093300	2.9	12
112	A Modeling Study of the Responses of Mesosphere and Lower Thermosphere Winds to Geomagnetic Storms at Middle Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3666-3680	2.6	11
111	Hemispheric asymmetry of subauroral ion drifts: Statistical results. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4544-4554	2.6	11
110	Formation of the equatorial thermosphere anomaly trough: Local time and solar cycle variations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,456	2.6	11
109	Ionospheric Responses at Low Latitudes to the Annular Solar Eclipse on 21 June 2020. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028483	2.6	11
108	The Longitudinal Variations of Upper Thermospheric Zonal Winds Observed by the CHAMP Satellite at Low and Midlatitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9652-9668	2.6	11
107	A Comparison of Quiet Time Thermospheric Winds Between FPI Observations and Model Calculations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7789-7805	2.6	11
106	A simulation study on the impact of altitudinal dependent vertical plasma drift on the equatorial ionosphere in the evening. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2918-2925	2.6	10
105	Can atomic oxygen production explain the ionospheric annual asymmetry?. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7238-7244	2.6	10
104	A numerical study of the effects of migrating tides on thermosphere midnight density maximum. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6766-6778	2.6	10
103	Transition of Interhemispheric Asymmetry of Equatorial Ionization Anomaly During Solstices. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 10,283	2.6	10

102	Responses of Lower Thermospheric Temperature to the 2013 St. Patrick's Day Geomagnetic Storm. <i>Geophysical Research Letters</i> , 2018 , 45, 4656-4664	4.9	10
101	Solar cycle variations of thermospheric O/N2 longitudinal pattern from TIMED/GUVI. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2605-2618	2.6	9
100	Mars Upper Atmospheric Responses to the 10 September 2017 Solar Flare: A Global, Time-Dependent Simulation. <i>Geophysical Research Letters</i> , 2019 , 46, 9334-9343	4.9	9
99	High-resolution, coupled thermosphere-ionosphere models for space weather applications. <i>Advances in Space Research</i> , 2005 , 36, 2486-2491	2.4	9
98	A numerical study of nighttime ionospheric variations in the American sector during 28-29 October 2003. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8985-8994	2.6	9
97	Observation of Postsunset OI 135.6nm Radiance Enhancement Over South America by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028108	2.6	9
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