

NRLMSISE-00 empirical model of the atmosphere: Statistical issues

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Validating NRLMSIS Using Atmospheric Densities Derived from Spacecraft Drag: Starshine Example. , 2002, , .		1
2	Ionospheric remote sensing of the Denali Earthquake Rayleigh surface waves. Geophysical Research Letters, 2003, 30, .	1.5	179
3	Using the 630.0-nm nightglow emission as a surrogate for the ionospheric Pedersen conductivity. Journal of Geophysical Research, 2003, 108, .	3.3	28
4	Initial observations with the Global Ultraviolet Imager (GUVI) in the NASA TIMED satellite mission. Journal of Geophysical Research, 2003, 108, .	3.3	305
5	Retrieval of temperature and tangent altitude pointing from limb emission spectra recorded from space by the Michelson Interferometer for Passive Atmospheric Sounding (MIPAS). Journal of Geophysical Research, 2003, 108, .	3.3	242
6	Global morphology of infrasound propagation. Journal of Geophysical Research, 2003, 108, .	3.3	250
7	The atmospheric neutral density experiment (ANDE) and modulating retroreflector in space (MODRAS): combined flight experiments for the space test program. , 2003, 4884, 49.		3
8	Theoretical Modeling and Analysis of Thermospheric Winds in the Ionosphere. Chinese Journal of Geophysics, 2003, 46, 1058-1067.	0.2	2
9	Model results for the ionospheric lower transition height over mid-latitude. Annales Geophysicae, 2004, 22, 2037-2045.	0.6	25
10	Middle ultraviolet remote sensing of the equatorial thermosphere during a geomagnetic storm. Annales Geophysicae, 2004, 22, 3203-3209.	0.6	4
11	Comparison of the measured and modeled electron densities, and electron and ion temperatures in the low-latitude ionosphere during 19-21 March 1988. Annales Geophysicae, 2004, 22, 2747-2763.	0.6	16
12	<i>F</i>-region ionospheric perturbations in the low-latitude ionosphere during the geomagnetic storm of 25-27 August 1987. Annales Geophysicae, 2004, 22, 3479-3501.	0.6	20
13	New calculation of the atmospheric neutrino flux in a three-dimensional scheme. Physical Review D, 2004, 70, .	1.6	169
14	Atmospheric chemistry experiment (ACE): mission overview and early results. , 2004, 5584, 230.		2
15	Acoustic waves generated from seismic surface waves: propagation properties determined from Doppler sounding observations and normal-mode modelling. Geophysical Journal International, 2004, 158, 1067-1077.	1.0	173
16	Comparison of the measured and modeled electron densities and temperatures in the ionosphere and plasmasphere during 14<sup>th</sup>-16 May 1991. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 89-104.	0.6	8
17	A dynamic global model of the plasmasphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1057-1073.	0.6	26
18	Modeling the behavior of ionosphere above Millstone Hill during the September 21<sup>st</sup>-27, 1998 storm. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1093-1102.	0.6	27

#	ARTICLE	IF	CITATIONS
19	Application of spectral intensities through a model potential approach to the prediction of photodissociation rate constants of CFC molecules in the ionosphere. <i>International Journal of Quantum Chemistry</i> , 2004, 100, 1003-1013.	1.0	1
20	Semianalytic theory of motion for close-Earth spherical satellites including drag and gravitational perturbations. <i>Planetary and Space Science</i> , 2004, 52, 1233-1249.	0.9	21
21	The dependence of the nonmigrating diurnal tide in the mesosphere and lower thermosphere on stationary planetary waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 733-754.	0.6	23
22	Use of IRI to model the effect of ionosphere emission on earth remote sensing at L-band. <i>Advances in Space Research</i> , 2004, 34, 2059-2066.	1.2	7
23	Modeling investigation of ionospheric storm effects over Millstone Hill during August 4 th –5, 1992. <i>Earth, Planets and Space</i> , 2004, 56, 903-908.	0.9	5
24	Photodissociation Rate Constants for VUV Processes of CF ₃ Cl and CF ₂ Cl ₂ in the Upper Atmosphere. A MQDO Study. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5699-5703.	1.1	8
25	Middle and upper thermospheric odd nitrogen: 2. Measurements of nitric oxide from Ionospheric Spectroscopy and Atmospheric Chemistry (ISAAC) satellite observations of NO $\tilde{\nu}_3$ band emission. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	14
26	Middle and upper thermospheric odd nitrogen: 1. A new analysis of rocket data. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	15
27	On the increases in nitric oxide density at midlatitudes during ionospheric storms. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	51
28	Global change in the thermosphere: Compelling evidence of a secular decrease in density. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	132
29	Quiet-time seasonal behavior of the thermosphere seen in the far ultraviolet dayglow. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	99
30	Comparison of a thermospheric photochemical model with Student Nitric Oxide Explorer (SNOE) observations of nitric oxide. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	44
31	Variations in lower thermosphere dynamics at midlatitudes during intense geomagnetic storms. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	13
32	Ion temperature crests and troughs in the morning sector of the low-latitude and midlatitude topside ionosphere. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	14
33	Observed temperature structure of the atmosphere above Syowa Station, Antarctica (69 $\hat{\text{A}}$ ^\circ S, 39 $\hat{\text{A}}$ ^\circ E). <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	20
34	Oxygen atom Rydberg emission in the equatorial ionosphere from radiative recombination. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	22
35	Solar activity variations of equivalent winds derived from global ionosonde data. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	47
36	Low-altitude distribution of radiation belt electrons. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	19

#	ARTICLE	IF	CITATIONS
37	Advances in Satellite Drag Modeling. , 2004, , .		1
38	JSBSim: An Open Source Flight Dynamics Model in C++. , 2004, , .		84
39	A Theoretical Model for the Mid-Latitude Ionospheric E Layer. Chinese Journal of Geophysics, 2005, 48, 266-267.	0.2	3
40	Atmospheric density calibration using satellite drag observations. Advances in Space Research, 2005, 36, 515-521.	1.2	29
41	Mechanism of the post-midnight winter night-time enhancements in NmF2 over Millstone Hill during 14 ^h –17 January 1986. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 381-395.	0.6	31
42	Causes of the mid-latitude NmF2 winter anomaly at solar maximum. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 862-877.	0.6	45
43	On the sensitivity of total electron content (TEC) to upper atmospheric/ionospheric parameters. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1040-1052.	0.6	33
44	The global ionospheric asymmetry in total electron content. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1377-1387.	0.6	111
45	Retrieval of stratospheric and mesospheric O3 from high resolution MIPAS spectra at 15 and 10 μ m. Advances in Space Research, 2005, 36, 943-951.	1.2	21
46	Neutral composition effects on ionospheric storms at middle and low latitudes. Journal of Geophysical Research, 2005, 110, .	3.3	42
47	Finite difference analyses of Schumann resonance and reconstruction of lightning distribution. Radio Science, 2005, 40, n/a-n/a.	0.8	33
48	Observations of an extended mesospheric tertiary ozone peak. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1395-1402.	0.6	12
49	Estimation of long-term density variations in the upper atmosphere of the earth at minimums of solar activity from evolution of the orbital parameters of the earth's artificial satellites. Solar System Research, 2005, 39, 157-162.	0.3	4
50	A self-consistent derivation of ion drag and Joule heating for atmospheric dynamics in the thermosphere. Annales Geophysicae, 2005, 23, 3313-3322.	0.6	19
51	Genesis-An artificial, low velocity "meteor" fall and recovery: September 8, 2004. Meteoritics and Planetary Science, 2005, 40, 895-916.	0.7	13
52	Retrievals for the atmospheric chemistry experiment Fourier-transform spectrometer. Applied Optics, 2005, 44, 7218.	2.1	377
53	Living with a Variable Sun. Physics Today, 2005, 58, 32-38.	0.3	47
54	Detection of a long-term decrease in thermospheric neutral density. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	75

#	ARTICLE	IF	CITATIONS
55	Satellite ballistic coefficients and the lower thermosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	3
56	Thermospheric densities derived from spacecraft orbits: Accurate processing of two-line element sets. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	88
57	Solar EUV Experiment (SEE): Mission overview and first results. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	448
58	Generation of metastable helium and the 1083 nm emission in the upper thermosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	15
59	Thermosphere density variations due to the 15 th –24 April 2002 solar events from CHAMP/STAR accelerometer measurements. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	78
60	Global thermospheric neutral density and wind response to the severe 2003 geomagnetic storms from CHAMP accelerometer data. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	184
61	First look at the 20 November 2003 superstorm with TIMED/GUVI: Comparisons with a thermospheric global circulation model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	117
62	Nocturnal thermal structure of the mesosphere and lower thermosphere region at Maui, Hawaii (20.7°N), and Starfire Optical Range, New Mexico (35°N). <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	32
63	Retrieval of stratospheric NO _x from 5.3 and 6.2 μ m nonlocal thermodynamic equilibrium emissions measured by Michelson Interferometer for Passive Atmospheric Sounding (MIPAS) on Envisat. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	84
64	Infrasound monitoring of volcanoes to probe high-altitude winds. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	93
65	Validation of ACE-FTS stratospheric ozone profiles against Odin/OSIRIS measurements. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	15
66	Observations of infrasound from surf in southern California. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	41
67	A first-principles model of spectrally resolved 5.3 μ m nitric oxide emission from aurorally dosed nighttime high-altitude terrestrial thermosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	13
68	Simulation study of penetration electric field effects on the low- to mid-latitude ionosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	92
69	Probing high-altitude winds using infrasound. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	72
70	New Satellite Drag Modeling Capabilities. , 2006, , .		24
71	Polar mesospheric clouds observed by an iron Boltzmann lidar at Rothera (67.5°S, 68.0°W), Antarctica from 2002 to 2005: Properties and implications. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	48
72	Simulation study of a positive ionospheric storm phase observed at Millstone Hill. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	16

#	ARTICLE	IF	CITATIONS
73	Comparisons of electron energy deposition derived from observations of lower thermospheric nitric oxide and from X-ray bremsstrahlung measurements. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	3
74	Thermospheric densities derived from spacecraft orbits: Application to the Starshine satellites. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	29
75	Day-to-day variability of the E-layer. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	22
76	Thermospheric density 2002–2004: TIMED/GUVI dayside limb observations and satellite drag. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	46
77	Derivation of neutral oxygen density under charge exchange in the midlatitude topside ionosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	10
78	Optical Spectrograph and Infra-Red Imaging System (OSIRIS) observations of mesospheric OH A ₂ Σ ⁺ -X ₂ ¹ 0-0 and 1-1 band resonance emissions. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	19
79	Neutral air temperatures at 90 km and 70°N and 78°N. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	33
80	A study of the shape of topside electron density profile derived from incoherent scatter radar measurements over Arecibo and Millstone Hill. <i>Radio Science</i> , 2006, 41, n/a-n/a.	0.8	24
81	An interhemispheric model of artificial ionospheric ducts. <i>Radio Science</i> , 2006, 41, n/a-n/a.	0.8	23
82	Technique for determining midlatitude O ⁺ /H ⁺ transition heights from topside ionograms. <i>Radio Science</i> , 2006, 41, n/a-n/a.	0.8	9
83	Neutral temperatures in the lower thermosphere from N ₂ Lyman-Birge-Hopfield (LBH) band profiles. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	21
84	Three-dimensional waveform modeling of ionospheric signature induced by the 2004 Sumatra tsunami. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	142
85	Calculated and observed climate change in the thermosphere, and a prediction for solar cycle 24. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	77
86	Solar activity variations of the ionospheric peak electron density. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	193
87	Planetary wave and gravity wave influence on the occurrence of polar stratospheric clouds over Davis Station, Antarctica, seen in lidar and radiosonde observations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	14
88	From the Sun to the Earth: impact of the 27-28 May 2003 solar events on the magnetosphere, ionosphere and thermosphere. <i>Annales Geophysicae</i> , 2006, 24, 129-151.	0.6	18
89	YES2 Optimal Trajectories in Presence of Eccentricity and Aerodynamic Drag. , 2006, , .		2
90	A study of the ionogram derived effective scale height around the ionospheric F ₂ . <i>Annales Geophysicae</i> , 2006, 24, 851-860.	0.6	49

#	ARTICLE	IF	CITATIONS
91	Ionospheric long-term trends: can the geomagnetic control and the greenhouse hypotheses be reconciled?. <i>Annales Geophysicae</i> , 2006, 24, 2533-2541.	0.6	37
92	The role of the zonal plasma drift in the low-latitude ionosphere at high solar activity near equinox from a new three-dimensional theoretical model. <i>Annales Geophysicae</i> , 2006, 24, 2553-2572.	0.6	15
93	A modeling study of ionospheric F2-region storm effects at low geomagnetic latitudes during 17-22 March 1990. <i>Annales Geophysicae</i> , 2006, 24, 915-940.	0.6	11
94	Recent Studies on Schumann Resonance. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2006, 126, 28-30.	0.2	5
95	Isolated lower mesospheric echoes seen by medium frequency radar at 70° N, 19° E. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5307-5314.	1.9	10
96	Neutral density response to the solar flares of October and November, 2003. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	87
97	A Theoretical Model of Gravity Wave Propagation Based on the Transfer Function. <i>Chinese Journal of Geophysics</i> , 2006, 49, 856-865.	0.2	1
98	Modelling of space weather effects on satellite drag. <i>Advances in Space Research</i> , 2006, 37, 1229-1239.	1.2	50
99	A North-South asymmetry in thermospheric density. <i>Advances in Space Research</i> , 2006, 38, 2461-2464.	1.2	5
100	Trace constituent updates in the Marshall engineering thermosphere and global reference atmospheric model. <i>Advances in Space Research</i> , 2006, 38, 2429-2432.	1.2	3
101	Modelling of the ionosphere/thermosphere behaviour during the April 2002 magnetic storms: A comparison of the UAM results with the ISR and NRLMSISE-00 data. <i>Advances in Space Research</i> , 2006, 37, 380-391.	1.2	14
102	Ground-based GPS imaging of ionospheric post-seismic signal. <i>Planetary and Space Science</i> , 2006, 54, 528-540.	0.9	115
103	Atmospheric neutral temperature distribution at the mesopause altitude. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 1684-1697.	0.6	26
104	Mechanism of the appearance of a large-scale vortex in the troposphere above a nonuniformly heated surface. <i>Doklady Earth Sciences</i> , 2006, 411, 1284-1288.	0.2	6
105	Thermosphere density response to the 20 November 2003 solar and geomagnetic storm from CHAMP and GRACE accelerometer data. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	167
106	Altitude variations of middle-latitude topside ionospheric electron-density profiles. <i>Advances in Space Research</i> , 2006, 37, 951-957.	1.2	10
107	Application of thermospheric general circulation models for space weather operations. <i>Advances in Space Research</i> , 2006, 37, 401-408.	1.2	8
108	Empirical model of vertical structure of the middle atmosphere: Seasonal variations and long-term changes of temperature and number density. <i>Advances in Space Research</i> , 2006, 38, 2465-2469.	1.2	3

#	ARTICLE	IF	CITATIONS
109	Statistics of sporadic iron layers and relation to atmospheric dynamics. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 102-113.	0.6	11
110	Anomalous Acoustic Signals Recorded by the CERI Seismic Network. <i>Seismological Research Letters</i> , 2006, 77, 572-581.	0.8	6
111	Storm-Time Equatorial Density Enhancements Observed by CHAMP and GRACE. <i>Journal of Spacecraft and Rockets</i> , 2007, 44, 1154-1159.	1.3	15
112	Short-Term fo F2 Forecast: Present Day State of Art. <i>Astrophysics and Space Science Library</i> , 2007, , 169-184.	1.0	12
113	Intercomparison of ground-based ozone and NO ₂ measurements during the MANTRA 2004 campaign. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5489-5499.	1.9	7
114	Empirical storm-time correction to the international reference ionosphere model E-region electron and ion density parameterizations using observations from TIMED/SABER. <i>Proceedings of SPIE</i> , 2007, , .	0.8	8
115	Changes of Thermospheric Mass Density and Their Relations with Joule Heating and Ring Current Index During Nov. 2003 Superstorm CHAMP Observations. <i>Chinese Journal of Geophysics</i> , 2007, 50, 856-865.	0.2	4
116	O(¹ S), OH, and O(₂ (b)) airglow layer perturbations due to ACWs and their implied effects on the atmosphere. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	51
117	Stardust An artificial, low-velocity meteoroid fall and recovery: 15 January 2006. <i>Meteoritics and Planetary Science</i> , 2007, 42, 271-299.	0.7	17
118	Thermospheric Space Weather Modeling. , 2007, , .		7
119	Differential Drag as a Means of Spacecraft Formation Control. , 2007, , .		15
120	Atmospheric stability at 90 km, 78°N, 16°E. <i>Earth, Planets and Space</i> , 2007, 59, 157-164.	0.9	4
121	Solar cycle signature and secular long-term trend in OH airglow temperature observations at South Pole, Antarctica. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	21
122	Atomic oxygen photoionization rates computed with high resolution cross sections and solar fluxes. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	8
123	Equatorial spread F modeling: Multiple bifurcated structures, secondary instabilities, large density bite-outs, and supersonic flows. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	53
124	Prompt thermospheric response to the 6 November 2001 magnetic storm. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	10
125	An ion drag contribution to the lower thermospheric wind in the summer polar region. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	11
126	Doppler ducting of short-period gravity waves by midlatitude tidal wind structure. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	29

#	ARTICLE	IF	CITATIONS
127	Comparison of nighttime nitric oxide 5.3 $\times 10^4$ m emissions in the thermosphere measured by MIPAS and SABER. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
128	Measuring atmospheric density with X-ray occultation sounding. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	13
129	Constraining and validating the Oct/Nov 2003 X-class EUV flare enhancements with observations of FUV dayglow and E-region electron densities. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	18
130	Evidence for a solar cycle influence on the infrared energy budget and radiative cooling of the thermosphere. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
131	Electrodynamics of magnetosphere-ionosphere coupling and feedback on magnetospheric field line resonances. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	21
132	Climatology of the equatorial thermospheric mass density anomaly. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	88
133	Thermospheric nitric oxide at higher latitudes: Model calculations with auroral energy input. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	9
134	Ionospheric climatology and variability from long-term and multiple incoherent scatter radar observations: Climatology in eastern American sector. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	33
135	Dependence of neutral temperatures in the lower thermosphere on geomagnetic activity. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	8
136	Sensitivity of GPS occultation to the stratopause height. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	7
137	High-latitude remote sensing of mesospheric wind speeds and carbon monoxide. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
138	A joint seismic and acoustic study of the Washington State bolide: Observations and modeling. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	43
139	Measurements of thermospheric molecular oxygen from the Solar Ultraviolet Spectral Irradiance Monitor. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
140	Nocturnal temperature structure in the mesopause region over the Arecibo Observatory (18.35°N). <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	37
141	Modeling the whole atmosphere response to solar cycle changes in radiative and geomagnetic forcing. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	230
142	Use of generalized cross validation for identification of global lightning distribution by using Schumann resonances. <i>Radio Science</i> , 2007, 42, n/a-n/a.	0.8	12
143	A theoretical model of the inner proton radiation belt. <i>Space Weather</i> , 2007, 5, n/a-n/a.	1.3	108
144	Electric fields and zonal winds in the equatorial ionosphere inferred from CHAMP satellite magnetic measurements. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	12

#	ARTICLE	IF	CITATIONS
145	Yearly variations of global plasma densities in the topside ionosphere at middle and low latitudes. Journal of Geophysical Research, 2007, 112, .	3.3	59
146	Observations of middle ultraviolet emissions in the middle and lower thermosphere: NO, O ₂ , O, and Mg ⁺ . Journal of Geophysical Research, 2007, 112, .	3.3	5
147	Radiation belt electron precipitation into the atmosphere: Recovery from a geomagnetic storm. Journal of Geophysical Research, 2007, 112, .	3.3	75
148	Molecular nitrogen Carroll&Yoshino $\nu = 0$ emission in the thermospheric dayglow as seen by the Far Ultraviolet Spectroscopic Explorer. Journal of Geophysical Research, 2007, 112, .	3.3	19
149	Effects of solar variability on thermosphere density from CHAMP accelerometer data. Journal of Geophysical Research, 2007, 112, .	3.3	64
150	Potassium lidar temperatures and densities in the mesopause region at Spitsbergen (78°N). Journal of Geophysical Research, 2007, 112, .	3.3	40
151	Recommendation for a set of solar EUV lines to be monitored for aeronomy applications. Annales Geophysicae, 2007, 25, 1299-1310.	0.6	6
152	Upper altitude limit for Rayleigh lidar. Annales Geophysicae, 2007, 25, 19-25.	0.6	11
153	A new method for studying the thermospheric density variability derived from CHAMP/STAR accelerometer data for magnetically active conditions. Annales Geophysicae, 2007, 25, 1949-1958.	0.6	13
154	Daytime F2-layer negative storm effect: what is the difference between storm-induced and Q-disturbance events?. Annales Geophysicae, 2007, 25, 1531-1541.	0.6	29
155	Gravity wave propagation in the realistic atmosphere based on a three-dimensional transfer function model. Annales Geophysicae, 2007, 25, 1979-1986.	0.6	34
156	Solar cycle variations of mid-latitude electron density and temperature: Satellite measurements and model calculations. Advances in Space Research, 2007, 39, 779-789.	1.2	39
157	Turbulent kinetic energy dissipation rates and eddy diffusivities in the tropical mesosphere using Jicamarca radar data. Advances in Space Research, 2007, 40, 744-750.	1.2	11
158	The portable atmospheric research interferometric spectrometer for the infrared, PARIS-IR. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 103, 362-370.	1.1	33
159	Interplanetary control of thermospheric densities during large magnetic storms. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 279-287.	0.6	57
160	Numerical simulation of the global distributions of the horizontal and vertical wind in the middle atmosphere using a given neutral gas temperature field. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 552-568.	0.6	15
161	The ionospheric F2-region at low geomagnetic latitudes during the geomagnetic storms of 22ߝ26 April 1990: Comparison of observed and modeled response. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 835-859.	0.6	9
162	Longitudinal effect in the dependence of the critical frequency of the midlatitude E layer on solar activity. Geomagnetism and Aeronomy, 2007, 47, 366-370.	0.2	0

#	ARTICLE	IF	CITATIONS
163	Effect of zonal E \tilde{A} –B plasma drift on electron density in the low-latitude ionospheric F region at a solar activity maximum near vernal equinox. <i>Geomagnetism and Aeronomy</i> , 2007, 47, 621-635.	0.2	5
164	A new method to calculate normal modes. <i>Geophysical Journal International</i> , 2007, 168, 315-331.	1.0	23
165	Modeling the responses of the middle latitude ionosphere to solar flares. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1587-1598.	0.6	39
166	Ionospheric E-region response to solar-geomagnetic storms observed by TIMED/SABER and application to IRI storm-model development. <i>Advances in Space Research</i> , 2007, 39, 715-728.	1.2	11
167	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. <i>Solar Physics</i> , 2008, 250, 235-267.	1.0	62
168	The JB2006 empirical thermospheric density model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 774-793.	0.6	106
169	The zonal E \tilde{A} –B plasma drift effects on the low latitude ionosphere electron density at solar minimum near equinox. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 1563-1578.	0.6	7
170	Ground-based solar absorption studies for the Carbon Cycle science by Fourier Transform Spectroscopy (CC-FTS) mission. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 2219-2243.	1.1	13
171	Hemispheric distributions of HCl above and below the Venus \hat{e} ™ clouds by ground-based 1.7 $\hat{1}$ 4 \hat{m} spectroscopy. <i>Planetary and Space Science</i> , 2008, 56, 1424-1434.	0.9	44
172	Use of two-line element data for thermosphere neutral density model calibration. <i>Advances in Space Research</i> , 2008, 41, 1115-1122.	1.2	69
173	Thermospheric neutral density response to solar forcing. <i>Advances in Space Research</i> , 2008, 42, 926-932.	1.2	13
174	Drag-free and attitude control for the GOCE satellite. <i>Automatica</i> , 2008, 44, 1766-1780.	3.0	103
175	Upper thermal boundary layer of planetary atmosphere: An attempt of developing a general model. <i>Icarus</i> , 2008, 194, 290-302.	1.1	1
176	Rotating solar coronal holes and periodic modulation of the upper atmosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	128
177	Hemispheric asymmetries in the longitudinal structure of the low \hat{e} latitude nighttime ionosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
178	Storm Time Energy Budgets of the Global Thermosphere. <i>Geophysical Monograph Series</i> , 0, , 235-246.	0.1	13
179	Geomagnetic dependence of ionospheric disturbances induced by tsunamigenic internal gravity waves. <i>Geophysical Journal International</i> , 2008, 173, 753-765.	1.0	99
180	Anomalous variations in the structure of the ionospheric F 2 region at geomagnetic midlatitudes of the Southern and Northern hemispheres in going from summer to winter conditions at high solar activity. <i>Geomagnetism and Aeronomy</i> , 2008, 48, 75-88.	0.2	16

#	ARTICLE	IF	CITATIONS
181	Anomalous variations in the ionospheric F 2-layer structure at geomagnetic midlatitudes of the Southern and Northern hemispheres at the transition from summer to winter conditions under low solar activity. <i>Geomagnetism and Aeronomy</i> , 2008, 48, 327-336.	0.2	5
182	Effects of the solar eclipse of March 29, 2006, in the ionosphere and atmosphere. <i>Geomagnetism and Aeronomy</i> , 2008, 48, 337-351.	0.2	39
183	Influence of the plasma zonal E \vec{A} – B drift on the electron concentration in the low-latitude ionospheric F region at the minimum of solar activity near the spring equinox. <i>Geomagnetism and Aeronomy</i> , 2008, 48, 479-490.	0.2	4
184	Dose calculations at high altitudes and in deep space with GEANT4 using BIC and JQMD models for nucleus–nucleus reactions. <i>New Journal of Physics</i> , 2008, 10, 105019.	1.2	11
185	A method for estimating the ring current structure and the electric potential distribution using energetic neutral atom data assimilation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	17
186	Solar flux variability of Mars' exosphere densities and temperatures. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	69
187	Tidal variability in the lower thermosphere: Comparison of Whole Atmosphere Model (WAM) simulations with observations from TIMED. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	88
188	Thermospheric global average density trends, 1967–2007, derived from orbits of 5000 near-Earth objects. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	125
189	Impact of terrestrial weather on the upper atmosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	63
190	Photoelectron impact excitation of OI 8446 Å... emission observed from Arecibo Observatory. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
191	Satellite and ground-based observations of auroral energy deposition and the effects on thermospheric composition during large geomagnetic storms: 1. Great geomagnetic storm of 20 November 2003. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
192	The causes of mid-latitude F layer behavior. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	17
193	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N^{2} during a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	13
194	A new method for deducing the effective collision frequency profile in the D-region. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
195	Optical observations of the growth and day-to-day variability of equatorial plasma bubbles. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	35
196	Evidence for significantly greater N^{2} Lyman-Birge-Hopfield emission efficiencies in proton versus electron aurora based on analysis of coincident DMSP SSUSI and SSJ/5 data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16
197	A statistical study of the observed and modeled global thermosphere response to magnetic activity at middle and low latitudes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
198	The midlatitude F2 layer during solar eclipses: Observations and modeling. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	41

#	ARTICLE	IF	CITATIONS
199	A study of the relationship between stratospheric gravity waves and polar mesospheric clouds at Davis Antarctica. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
200	First UV satellite observations of mesospheric water vapor. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	6
201	A New Empirical Thermospheric Density Model JB2008 Using New Solar and Geomagnetic Indices. , 2008, , .		236
202	Three-dimensional equatorial spread F_2 modeling. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	196
203	Improved horizontal wind model HWM07 enables estimation of equatorial ionospheric electric fields from satellite magnetic measurements. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	19
204	Interannual and latitudinal variability of the thermosphere density annual harmonics. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	27
205	An improved parameterization of thermal electron heating by photoelectrons, with application to an X17 flare. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	21
206	Meridional winds derived from COSMIC radio occultation measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
207	Solar activity variations of nighttime ionospheric peak electron density. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	43
208	A multi-instrument technique for localization of scintillation-causing regions in the equatorial ionosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	4
209	Thermospheric density oscillations due to periodic solar wind high-speed streams. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	111
210	Energetic electron precipitation during substorm injection events: High-latitude fluxes and an unexpected midlatitude signature. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	39
211	Global thermospheric density variations caused by high-speed solar wind streams during the declining phase of solar cycle 23. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	81
212	Turbopause determination, climatology, and climatic trends using medium frequency radars at 52°N and 70°N. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	15
213	Assessment of the quality of the Version 1.07 temperature versus pressure profiles of the middle atmosphere from TIMED/SABER. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	369
214	Satellite observations of high nighttime ozone at the equatorial mesopause. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	46
215	Errors in Sounding of the Atmosphere using Broadband Emission Radiometry (SABER) kinetic temperature caused by non-local thermodynamic equilibrium model parameters. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	99
216	Medium-to large-scale density variability as observed by CHAMP. <i>Space Weather</i> , 2008, 6, .	1.3	50

#	ARTICLE	IF	CITATIONS
217	Evaluation of infrasound signals from the shuttle Atlantis using a large seismic network. Journal of the Acoustical Society of America, 2008, 124, 1442-1451.	0.5	39
218	Comparison between the KOMPSAT-1 drag derived density and the MSISE model density during strong solar and/or geomagnetic activities. Earth, Planets and Space, 2008, 60, 601-606.	0.9	6
219	Reentry Time Prediction Using Atmospheric Density Corrections. Journal of Guidance, Control, and Dynamics, 2008, 31, 282-289.	1.6	18
220	Suzaku Observations of the North Polar Spur: Evidence for Nitrogen Enhancement. Publication of the Astronomical Society of Japan, 2008, 60, S95-S106.	1.0	39
221	Infrasonic Signals from Large Mining Explosions. Bulletin of the Seismological Society of America, 2008, 98, 768-777.	1.1	16
222	Simulation of field-aligned H ⁺ and He ⁺ dynamics during late-stage plasmasphere refilling. Annales Geophysicae, 2008, 26, 1507-1516.	0.6	23
223	A feasibility study for measuring geomagnetic conversion of solar axions to x-rays in low Earth orbits. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 026.	1.9	9
224	Validation of GPS slant delays using water vapour radiometers and weather models. Meteorologische Zeitschrift, 2008, 17, 807-812.	0.5	43
225	Mesospheric N ₂ O enhancements as observed by MIPAS on Envisat during the polar winters in 2002–2004. Atmospheric Chemistry and Physics, 2008, 8, 5787-5800.	1.9	26
226	The ionospheric responses to the 11 August 1999 solar eclipse: observations and modeling. Annales Geophysicae, 2008, 26, 107-116.	0.6	80
227	Case study of the mesospheric and lower thermospheric effects of solar X-ray flares: coupled ion-neutral modelling and comparison with EISCAT and riometer measurements. Annales Geophysicae, 2008, 26, 2311-2321.	0.6	8
228	Polar middle atmosphere temperature climatology from Rayleigh lidar measurements at ALOMAR (69°) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	24
229	Full profile incoherent scatter analysis at Jicamarca. Annales Geophysicae, 2008, 26, 59-75.	0.6	40
230	Response of the mesopause airglow to solar activity inferred from measurements at Zvenigorod, Russia. Annales Geophysicae, 2008, 26, 1049-1056.	0.6	47
231	Climatology of the cusp-related thermospheric mass density anomaly, as derived from CHAMP observations. Annales Geophysicae, 2008, 26, 2807-2823.	0.6	60
232	Quiet time F2-layer disturbances: seasonal variations of the occurrence in the daytime sector. Annales Geophysicae, 2009, 27, 329-337.	0.6	22
233	Equinoctial asymmetry of a low-latitude ionosphere-thermosphere system and equatorial irregularities: evidence for meridional wind control. Annales Geophysicae, 2009, 27, 2027-2034.	0.6	52
234	Thermospheric winds and temperatures above Mawson, Antarctica, observed with an all-sky imaging, Fabry-Perot spectrometer. Annales Geophysicae, 2009, 27, 2225-2235.	0.6	15

#	ARTICLE	IF	CITATIONS
235	Statistical properties of Joule heating rate, electric field and conductances at high latitudes. <i>Annales Geophysicae</i> , 2009, 27, 2661-2673.	0.6	32
236	Effect of solar activity on the morphology of 7320 Å... dayglow emission. <i>Annales Geophysicae</i> , 2009, 27, 4089-4096.	0.6	7
237	Solar and magnetospheric forcing of the low latitude thermospheric mass density as observed by CHAMP. <i>Annales Geophysicae</i> , 2009, 27, 2087-2099.	0.6	54
238	Three-dimensional simulation of equatorial spread-F with meridional wind effects. <i>Annales Geophysicae</i> , 2009, 27, 1821-1830.	0.6	58
239	Sensitivity of Orbit Predictions to Density Variability. <i>Journal of Spacecraft and Rockets</i> , 2009, 46, 1214-1230.	1.3	28
240	Normalized Force Coefficients for Satellites with Elongated Shapes. <i>Journal of Spacecraft and Rockets</i> , 2009, 46, 112-116.	1.3	87
241	TD-88Up: Upgraded neutral Earth's thermosphere total density TD-88 model. <i>Serbian Astronomical Journal</i> , 2009, , 57-63.	0.1	4
242	The Remote Atmospheric and Ionospheric Detection System experiment on the ISS: mission overview. , 2009, , .		11
243	Altitude and formation conditions of noctilucent clouds in the Earth atmosphere. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 764-768.	0.9	0
244	Kinetic temperature and carbon dioxide from broadband infrared limb emission measurements taken from the TIMED/SABER instrument. <i>Advances in Space Research</i> , 2009, 43, 15-27.	1.2	53
245	CHAMP and GRACE accelerometer calibration by GPS-based orbit determination. <i>Advances in Space Research</i> , 2009, 43, 1890-1896.	1.2	52
246	Investigating suitable orbits for the Swarm constellation mission " The frozen orbit. <i>Aerospace Science and Technology</i> , 2009, 13, 49-58.	2.5	8
247	Geospace imaging using Thomson scattering. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 132-142.	0.6	2
248	Infrasound from tropospheric sources: Impact on mesopause temperature?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 816-822.	0.6	16
249	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.	0.6	16
250	News from the Lower Ionosphere: A Review of Recent Developments. <i>Surveys in Geophysics</i> , 2009, 30, 525-559.	2.1	68
251	The Ionization Gauge Investigation for the Streak Mission. <i>Space Science Reviews</i> , 2009, 145, 263-283.	3.7	11
252	An Overview of Ionosphere"Thermosphere Models Available for Space Weather Purposes. <i>Space Science Reviews</i> , 2009, 147, 271-313.	3.7	28

#	ARTICLE	IF	CITATIONS
253	Formation of large-scale vortices in shear flows of the lower atmosphere of the earth in the region of tropical latitudes. <i>Cosmic Research</i> , 2009, 47, 466-479.	0.2	18
254	Regular changes in the critical frequency of the F2 layer of the quiet midlatitude ionosphere. <i>Geomagnetism and Aeronomy</i> , 2009, 49, 374-380.	0.2	18
255	Seasonal features in the spread-F probability near midnight over Moscow. <i>Geomagnetism and Aeronomy</i> , 2009, 49, 630-636.	0.2	6
256	Seasonal temperature variations near the mesopause according to the hydroxyl emission measurements in Zvenigorod. <i>Geomagnetism and Aeronomy</i> , 2009, 49, 797-804.	0.2	2
257	Day-by-day modelling of the ionospheric F2-layer for year 2002. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 848-856.	0.6	24
258	All-propulsion design of the drag-free and attitude control of the European satellite GOCE. <i>Acta Astronautica</i> , 2009, 64, 325-344.	1.7	58
259	An empirical relation to correct storm-time thermospheric mass density modeled by NRLMSISE-00 with CHAMP satellite air drag data. <i>Advances in Space Research</i> , 2009, 43, 819-828.	1.2	28
260	FORMOSAT-3/COSMIC observations of seasonal and longitudinal variations of equatorial ionization anomaly and its interhemispheric asymmetry during the solar minimum period. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	90
261	Seasonal variation of thermospheric density and composition. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	183
262	Fermi large area telescope observations of the cosmic-ray induced γ -ray emission of the Earth's atmosphere. <i>Physical Review D</i> , 2009, 80, .	1.6	57
263	Monitoring the global-scale winter anomaly of total electron contents using GPS data. <i>Earth, Planets and Space</i> , 2009, 61, 1019-1024.	0.9	21
264	Observations of midlatitude ionospheric instabilities generating meter-scale waves at the magnetic equator. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	11
265	Fast thermospheric wind jet at the Earth's dip equator. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	38
266	Surface-exosphere coupling due to thermal tides. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	102
267	Wave-4 pattern of the equatorial mass density anomaly: A thermospheric signature of tropical deep convection. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	90
268	On the source of the polar wind in the polar topside ionosphere: First results from the EISCAT Svalbard radar. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	14
269	Latitudinal dependence of the ionospheric response to solar eclipses. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	64
270	Spatial evolution of frictional heating and the predicted thermospheric wind effects in the vicinity of an auroral arc measured with the Sondrestrom incoherent-scatter radar and the Reimei satellite. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	8

#	ARTICLE	IF	CITATIONS
271	A long-term data set of globally averaged thermospheric total mass density. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
272	Correlation between scintillation indices and gradient drift wave amplitudes in the northern polar ionosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	16
273	Quantitative forecasting of near-term solar activity and upper atmospheric density. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	22
274	Causal link of the wave structures in plasma density and vertical plasma drift in the low-latitude ionosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	64
275	Attitude Tracking Control of a Small Satellite in Low Earth Orbit. , 2009, , .		10
276	Gravity wave propagation and dissipation from the stratosphere to the lower thermosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	63
277	Relative intensities of middle atmosphere waves. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
278	Global temperature stationary planetary waves extending from 20 to 120 km observed by TIMED/SABER. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
279	Thermospheric density model blending techniques: Bridging the gap between satellites and sounding rockets. <i>Radio Science</i> , 2009, 44, n/a-n/a.	0.8	1
280	Remote sensing of nighttime F region peak height and peak density using ultraviolet line ratios. <i>Radio Science</i> , 2009, 44, .	0.8	8
281	Acceleration mechanism of high-speed neutral wind observed in the polar lower thermosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	12
282	Dependence of the high-latitude thermospheric densities on the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
283	Day-to-day variability of the equatorial ionization anomaly and scintillations at dusk observed by GUVI and modeling by SAMI3. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	54
284	Solar activity dependence of the topside ionosphere at low latitudes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	35
285	Thermospheric temperature and density variations. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 310-319.	0.0	1
286	Density enhancements associated with equatorial spread F . <i>Annales Geophysicae</i> , 2010, 28, 327-337.	0.6	46
287	Record-low thermospheric density during the 2008 solar minimum. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	186
288	Do vibrationally excited OH molecules affect middle and upper atmospheric chemistry?. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9953-9964.	1.9	9

#	ARTICLE	IF	CITATIONS
289	First multi-year occultation observations of CO ₂ in the MLT by ACE satellite: observations and analysis using the extended CMAM. Atmospheric Chemistry and Physics, 2010, 10, 1133-1153.	1.9	49
290	Thermosphere extension of the Whole Atmosphere Community Climate Model. Journal of Geophysical Research, 2010, 115, .	3.3	144
291	Modeling of multiple effects of atmospheric tides on the ionosphere: An examination of possible coupling mechanisms responsible for the longitudinal structure of the equatorial ionosphere. Journal of Geophysical Research, 2010, 115, .	3.3	108
292	Direct measurements of the Poynting flux associated with convection electric fields in the magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	18
293	The Temporal Morphology of Infrasound Propagation. Pure and Applied Geophysics, 2010, 167, 437-453.	0.8	59
294	Applying artificial neural networks to modeling the middle atmosphere. Advances in Atmospheric Sciences, 2010, 27, 883-890.	1.9	1
295	Hemispherical distribution of CO above the Venus's clouds by ground-based 2.3µm spectroscopy. Icarus, 2010, 207, 558-563.	1.1	10
296	Nitric oxide density enhancements due to solar flares. Advances in Space Research, 2010, 45, 28-38.	1.2	4
297	A statistical study of the mid-latitude NmF2 winter anomaly. Advances in Space Research, 2010, 45, 374-385.	1.2	27
298	Satellite Skin-Force Modelling for Atmospheric Drag Calculations. Space Science Reviews, 2010, 151, 149-157.	3.7	0
299	Drag and energy accommodation coefficients during sunspot maximum. Advances in Space Research, 2010, 45, 638-650.	1.2	81
300	Parameterized Regional Ionospheric Model and a comparison of its results with experimental data and IRI representations. Advances in Space Research, 2010, 46, 1032-1038.	1.2	20
301	Electric fields in the equatorial ionosphere derived from CHAMP satellite magnetic field measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 319-326.	0.6	29
302	The equatorial and low-latitude ionosphere within the context of global modeling. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 358-368.	0.6	5
303	The ineffectiveness of Joule heating in the stratosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 1110-1113.	0.6	0
304	Comparison of the observed and modeled low- to mid-latitude thermosphere response to magnetic activity: Effects of solar cycle and disturbance time delay. Advances in Space Research, 2010, 45, 1093-1100.	1.2	10
305	Morphology of OI 8446Å... dayglow emission. Advances in Space Research, 2010, 46, 81-88.	1.2	2
306	Modeling of the aerodynamic moment acting upon a satellite. Cosmic Research, 2010, 48, 362-370.	0.2	6

#	ARTICLE	IF	CITATIONS
307	Seasonal and nighttime behaviors of emissions of hydroxyl and the atmospheric system of molecular oxygen of the midlatitude mesopause. <i>Geomagnetism and Aeronomy</i> , 2010, 50, 518-525.	0.2	2
308	Disturbances of the ionospheric conductivity owing to the generation of magnetic pulsations in the Pc1 frequency range by means of the heating of electrons by a ground-based high-power high-frequency transmitter. <i>Geomagnetism and Aeronomy</i> , 2010, 50, 588-596.	0.2	1
309	Effect of neutral particle density in the upper atmosphere on the generation of artificial magnetic pulsations in the Pc1 range. <i>Geomagnetism and Aeronomy</i> , 2010, 50, 661-666.	0.2	1
310	Dynamic variability in F-region ionospheric composition at auroral arc boundaries. <i>Annales Geophysicae</i> , 2010, 28, 651-664.	0.6	18
311	Mesopause temperature perturbations caused by infrasonic waves as a potential indicator for the detection of tsunamis and other geo-hazards. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 1431-1442.	1.5	25
312	Possibilities of improving the TD88 atmospheric total density model. <i>Serbian Astronomical Journal</i> , 2010, , 57-61.	0.1	0
313	Effect of an Altitude-Dependent Background Atmosphere on Shuttle Plumes. <i>Journal of Spacecraft and Rockets</i> , 2010, 47, 700-704.	1.3	14
314	Semiempirical Model for Satellite Energy-Accommodation Coefficients. <i>Journal of Spacecraft and Rockets</i> , 2010, 47, 951-956.	1.3	90
315	Neutral Density and Crosswind Determination from Arbitrarily Oriented Multiaxis Accelerometers on Satellites. <i>Journal of Spacecraft and Rockets</i> , 2010, 47, 580-589.	1.3	148
316	Radar detection of a localized 1.4 Hz pulsation in auroral plasma, simultaneous with pulsating optical emissions, during a substorm. <i>Annales Geophysicae</i> , 2010, 28, 1961-1979.	0.6	3
317	Substorm-related thermospheric density and wind disturbances derived from CHAMP observations. <i>Annales Geophysicae</i> , 2010, 28, 1207-1220.	0.6	49
318	Equatorial spread <math>F</math> fossil plumes. <i>Annales Geophysicae</i> , 2010, 28, 2059-2069.	0.6	14
319	Thermospheric mass density variations during geomagnetic storms and a prediction model based on the merging electric field. <i>Annales Geophysicae</i> , 2010, 28, 1633-1645.	0.6	30
320	The effects of mesoscale regions of precipitation on the ionospheric dynamics, electrodynamics and electron density in the presence of strong ambient electric fields. <i>Annales Geophysicae</i> , 2010, 28, 1345-1360.	0.6	15
321	Towards Next Level Satellite Drag Modeling. , 2010, , .		17
322	Comparison of Density Estimation for CHAMP and GRACE Satellites. , 2010, , .		3
323	Inversion of Infrasound Signals for Passive Atmospheric Remote Sensing. , 2010, , 701-731.		49
324	Self-consistent modeling of equatorial dawn density depletions with SAMI3. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	29

#	ARTICLE	IF	CITATIONS
325	Thermospheric density enhancements in the dayside cusp region during strong B _Y conditions. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	79
326	IPY observations of ionospheric yearly variations from high- to middle-latitude incoherent scatter radars. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13
327	Observation of sprite streamer head's spectra at 10,000 fps. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
328	Thermospheric heating by high-speed streams in the solar wind. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	10
329	Observations of infrared radiative cooling in the thermosphere on daily to multiyear timescales from the TIMED/SABER instrument. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	102
330	Wind and temperature effects on thermosphere mass density response to the November 2004 geomagnetic storm. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	78
331	Solar activity dependence of ion upflow in the polar ionosphere observed with the European Incoherent Scatter (EISCAT) TromsÅ, UHF radar. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
332	Solar proxies pertaining to empirical ionospheric total electron content models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	45
333	Modeling the presunrise plasma heating in the low- to midlatitude topside ionospheres. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	5
334	Composite imaging of auroral forms and convective flows during a substorm cycle. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
335	Coordinated study of coherent radar backscatter and optical airglow depletions in the central Pacific. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
336	Anomalous occurrence features of the preliminary impulse of geomagnetic sudden commencement in the South Atlantic Anomaly region. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
337	Principal modes of thermospheric density variability: Empirical orthogonal function analysis of CHAMP 2001–2008 data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
338	Variance of transionospheric VLF wave power absorption. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
339	Generation of traveling atmospheric disturbances during pulsating geomagnetic storms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
340	Longitudinal and geomagnetic activity modulation of the equatorial thermosphere anomaly. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	35
341	Flare location on the solar disk: Modeling the thermosphere and ionosphere response. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	70
342	Microphysical parameters of mesospheric ice clouds derived from calibrated observations of polar mesosphere summer echoes at Bragg wavelengths of 2.8 m and 30 cm. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27

#	ARTICLE	IF	CITATIONS
343	NO ₂ air afterglow and O and NO densities from Odin OSIRIS night and ACE FTS sunset observations in the Antarctic MLT region. Journal of Geophysical Research, 2010, 115, .	3.3	18
344	Temporal variations of atomic oxygen in the upper mesosphere from SABER. Journal of Geophysical Research, 2010, 115, .	3.3	135
345	Momentum budget of the migrating diurnal tide in the mesosphere and lower thermosphere. Journal of Geophysical Research, 2010, 115, .	3.3	18
346	Ion density calculator (IDC): A new efficient model of ionospheric ion densities. Radio Science, 2010, 45, n/a-n/a.	0.8	33
347	Improved estimates for neutral air temperatures at 90 km and 78°N using satellite and meteor radar data. Radio Science, 2010, 45, n/a-n/a.	0.8	24
348	Geomagnetic influence on aircraft radiation exposure during a solar energetic particle event in October 2003. Space Weather, 2010, 8, n/a-n/a.	1.3	64
349	Atmospheric Remote Sensing on the International Space Station. Eos, 2010, 91, 381-382.	0.1	2
350	Can molecular diffusion explain Space Shuttle plume spreading?. Geophysical Research Letters, 2010, 37, .	1.5	21
351	Evidence for dynamical coupling from the lower atmosphere to the thermosphere during a major stratospheric warming. Geophysical Research Letters, 2010, 37, .	1.5	80
352	Links between a stratospheric sudden warming and thermal structures and dynamics in the high-latitude mesosphere, lower thermosphere, and ionosphere. Geophysical Research Letters, 2010, 37, .	1.5	53
353	Global modeling of equatorial plasma bubbles. Geophysical Research Letters, 2010, 37, .	1.5	70
354	Modeling of kinetic, ionospheric and auroral contributions to the 557.7 nm nightglow. Geophysical Research Letters, 2010, 37, .	1.5	8
355	Climatology of globally averaged thermospheric mass density. Journal of Geophysical Research, 2010, 115, .	3.3	85
356	Low-latitude measurements of neutral thermospheric helium dominance near 400 km during extreme solar minimum. Journal of Geophysical Research, 2010, 115, .	3.3	13
357	On the consistency of satellite measurements of thermospheric composition and solar EUV irradiance with Australian ionosonde electron density data. Journal of Geophysical Research, 2010, 115, .	3.3	30
358	Diagnosing radio plasma heating in the polar summer mesosphere using cross modulation: Theory and observations. Journal of Geophysical Research, 2010, 115, .	3.3	19
359	A whole atmosphere model simulation of the impact of a sudden stratospheric warming on thermosphere dynamics and electrodynamics. Journal of Geophysical Research, 2010, 115, .	3.3	112
360	Anomalous behavior of the thermosphere during solar minimum observed by CHAMP and GRACE. Journal of Geophysical Research, 2010, 115, .	3.3	40

#	ARTICLE	IF	CITATIONS
361	Observations and modeling of the ionospheric behaviors over the east Asia zone during the 22 July 2009 solar eclipse. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
362	Ground-based estimates of outer radiation belt energetic electron precipitation fluxes into the atmosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	50
363	Occurrence and onset conditions of postsunset equatorial spread F at Jicamarca during solar minimum and maximum. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	1
364	Variations of the nighttime thermospheric mass density at low and middle latitudes. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	28
365	Further study on the solar activity variation of daytime $\langle N_m \rangle F_2$. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
366	A study of acoustic propagation from a large bolide in the atmosphere with a dense seismic network. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	45
367	Source location of the 19 February 2008 Oregon bolide using seismic networks and infrasound arrays. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	41
368	Influence of an inertia-gravity wave on mesospheric dynamics: A case study with the Poker Flat Incoherent Scatter Radar. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	46
369	Development of a curved ray tracing method for modeling of phase paths from GPS radio occultation: A two-dimensional study. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	14
370	THE SEISMOACOUSTIC WAVEFIELD: A NEW PARADIGM IN STUDYING GEOPHYSICAL PHENOMENA. <i>Reviews of Geophysics</i> , 2010, 48, .	9.0	100
371	Infrasound Propagation in the "Zone of Silence". <i>Seismological Research Letters</i> , 2010, 81, 614-624.	0.8	42
372	Orbital Analysis of Macron Propulsion. , 2010, , .		1
373	Drag Coefficient Estimation in Orbit Determination. <i>Journal of the Astronautical Sciences</i> , 2011, 58, 513-530.	0.8	16
374	Measuring Absolute Thermospheric Densities And Accommodation Coefficients Using Paddlewheel Satellites: Past Findings, Present Uses, And Future Mission Concepts. <i>Journal of the Astronautical Sciences</i> , 2011, 58, 531-549.	0.8	5
375	The effects of Bhatnagar-Gross-Krook, Brownian, and hard-sphere ion-neutral collision models on the incoherent scatter spectrum in the E region. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	3
376	Large-scale gravity wave characteristics simulated with a high-resolution global thermosphere-ionosphere model. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	15
377	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.	3.3	27
378	A downward revision of a recently reported proton auroral LBH emission efficiency. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	7

#	ARTICLE	IF	CITATIONS
379	Incoherent scatter radar estimation of F_2 region ionospheric composition during frictional heating events. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	18
380	Detection and modeling of Rayleigh wave induced patterns in the ionosphere. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	121
381	Comparison of modeled electron densities and electron and ion temperatures with Arecibo observations during undisturbed and geomagnetic storm periods of 7-11 September 2005. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	10
382	Observations and model calculations of the F_3 layer in the Southeast Asian equatorial ionosphere. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	23
383	On the mechanism of seasonal and solar cycle $N_m F_2$ variations: A quantitative estimate of the main parameters contribution using incoherent scatter radar observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
384	Rapid recovery of thermosphere density during the October 2003 geomagnetic storms. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	48
385	O and N_2 disturbances in the F_2 region during the 20 November 2003 storm seen from TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	43
386	Solar flux variation of the electron temperature morning overshoot in the equatorial F_2 region. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	25
387	Does the $F_{10.7}$ index correctly describe solar EUV flux during the deep solar minimum of 2007-2009?. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	73
388	Modified solar flux index for upper atmospheric applications. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	12
389	Electric fields and neutral winds from monostatic incoherent scatter measurements by means of stochastic inversion. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	22
390	Further evidence of long-term thermospheric density change using a new method of satellite ballistic coefficient estimation. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	15
391	Atomic oxygen densities retrieved from Optical Spectrograph and Infrared Imaging System observations of $O_2 A$ -band airglow emission in the mesosphere and lower thermosphere. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	38
392	The temperature structure of the mesosphere over Taiwan and comparison with other latitudes. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	10
393	A medium-scale traveling ionospheric disturbance observed from the ground and from space. <i>Radio Science</i> , 2011, 46, .	0.8	14
394	In-situ measurements of topside ionosphere electron density enhancements during an HF-modification experiment. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	9
395	Mesopause temperatures during the polar mesospheric cloud season. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	18
396	Nighttime nitric oxide densities in the Southern Hemisphere mesosphere-lower thermosphere. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	20

#	ARTICLE	IF	CITATIONS
397	The Horizontal E-region Experiment: Evidence for inertial instability on the evening side of the auroral oval?. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	3
398	Determination of the most pertinent EUV proxy for use in thermosphere modeling. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	14
399	First ionospheric images of the seismic fault slip on the example of the Tohoku-oki earthquake. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	102
400	First measurements of thermal tides in the summer mesopause region at Antarctic latitudes. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	51
401	C/NOFS satellite observations of equatorial ionospheric plasma structures supported by multiple ground-based diagnostics in October 2008. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
402	Causes of low thermospheric density during the 2007-2009 solar minimum. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	116
403	Sensitivity studies of equatorial topside electron and ion temperatures. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
404	Ionospheric total electron content: Global and hemispheric climatology. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	44
405	Ionosphere/thermosphere heating determined from dynamic magnetosphere-ionosphere/thermosphere coupling. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
406	Global observations of thermospheric temperature and nitric oxide from MIPAS spectra at 5.3$\times 10^4$ m. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	46
407	Variability of thermosphere and ionosphere responses to solar flares. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	68
408	Sun-synchronous thermal tides in exosphere temperature from CHAMP and GRACE accelerometer measurements. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	17
409	Global thermospheric atomic oxygen variations observed with the WIND Imaging Interferometer (WINDII): Wave 4 at low and high latitudes. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
410	Response of thermosphere density to changes in interplanetary magnetic field sector polarity. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11
411	On the relationship between the postmidnight thermospheric equatorial mass anomaly and equatorial ionization anomaly under geomagnetic quiet conditions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	7
412	A study of space shuttle plumes in the lower thermosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
413	Dayside midlatitude ionospheric response to storm time electric fields: A case study for 7 September 2002. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	29
414	The ionospheric gravity and diamagnetic current systems. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	20

#	ARTICLE	IF	CITATIONS
415	Gravity wave characteristics from OH airglow imager over Maui. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	30
416	WHOLE ATMOSPHERE MODELING: CONNECTING TERRESTRIAL AND SPACE WEATHER. <i>Reviews of Geophysics</i> , 2011, 49, .	9.0	126
417	A study of the strong linear relationship between the equatorial ionization anomaly and the prereversal E - B drift velocity at solar minimum. <i>Radio Science</i> , 2011, 46, .	0.8	14
418	CEDAR Electrodynamics Thermosphere Ionosphere (ETI) Challenge for systematic assessment of ionosphere/thermosphere models: NmF2, hmF2, and vertical drift using ground-based observations. <i>Space Weather</i> , 2011, 9, .	1.3	71
419	Electrodynamics of Ionosphere-Thermosphere Coupling. , 2011, , 191-201.		10
420	Macron propulsion for formation flying requiring constant thrust. , 2011, , .		1
421	Equatorial Ionization Anomaly: The Role of Thermospheric Winds and the Effects of the Geomagnetic Field Secular Variation. , 2011, , 317-328.		16
422	Trajectory prediction tools for conceptual design of orbital and suborbital launch vehicles. , 2011, , .		0
423	Climatology of the nighttime equatorial thermospheric winds and temperatures over Brazil near solar minimum. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	67
424	Theoretical study of the ionospheric Weddell Sea Anomaly using SAMI2. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	42
425	Observations and simulations of seismoionospheric GPS total electron content anomalies before the 12 January 2010 Haiti earthquake. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	73
426	Weddell Sea Anomaly: Investigation using the global numerical model. , 2011, , .		2
427	Spatial sampling of the thermospheric vertical wind field at auroral latitudes. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	17
428	Latitudinal variations of middle thermosphere: Observations and modeling. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	8
429	Simultaneous trace gas measurements using two Fourier transform spectrometers at Eureka, Canada during spring 2006, and comparisons with the ACE-FTS. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5383-5405.	1.9	9
430	Composition changes after the "Halloween" solar proton event: the High Energy Particle Precipitation in the Atmosphere (HEPPA) model versus MIPAS data intercomparison study. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9089-9139.	1.9	145
431	System Investigations of the SpaceLiner Concept in FAST20XX. , 2011, , .		15
432	Solar EUV Monitor (SEM) absolute irradiance measurements and how they are affected by choice of reference spectrum. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
433	Finite difference synthesis of infrasound propagation through a windy, viscous atmosphere: application to a bolide explosion detected by seismic networks. <i>Geophysical Journal International</i> , 2011, 185, 305-320.	1.0	33
434	Seasonal features of the appearance of aerosol scattering in the stratosphere and mesosphere of Kamchatka from the results of lidar observations in 2007–2009. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2011, 47, 603-609.	0.2	5
435	Vibrationally excited N ₂ and O ₂ in the upper atmosphere: A review. <i>Geomagnetism and Aeronomy</i> , 2011, 51, 143-169.	0.2	23
436	Origination of G conditions in the ionospheric F region depending on solar and geomagnetic activity. <i>Geomagnetism and Aeronomy</i> , 2011, 51, 669-675.	0.2	7
437	Differential Drag as a Means of Spacecraft Formation Control. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2011, 47, 1125-1135.	2.6	46
438	Seasonal and year-to-year variability of the 557.7 nm atomic oxygen atmospheric emission. <i>Geomagnetism and Aeronomy</i> , 2011, 51, 963-967.	0.2	0
439	The electron density dependence of polar mesospheric summer echoes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 2153-2165.	0.6	35
440	Longitudinal variations in the F ₂ region ionosphere and the topside ionosphere-plasmasphere: Observations and model simulations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	61
441	Tsunami signature in the ionosphere: A simulation of OTH radar observations. <i>Radio Science</i> , 2011, 46, .	0.8	26
442	Did the January 2009 sudden stratospheric warming cool or warm the thermosphere?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	32
443	Modeling Mars' ionosphere with constraints from same-day observations by Mars Global Surveyor and Mars Express. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	72
444	Simulation of the behavior of excited gaseous components in the atmosphere of the Earth: Hot oxygen. <i>Russian Journal of Physical Chemistry B</i> , 2011, 5, 369-376.	0.2	3
445	High-latitude thermospheric winds: Satellite data and model calculations. <i>Russian Journal of Physical Chemistry B</i> , 2011, 5, 439-446.	0.2	2
446	The influence of ionic temperature on plasmasphere structure formation. <i>Russian Journal of Physical Chemistry B</i> , 2011, 5, 363-368.	0.2	1
447	Estimation of secular density variations in the upper atmosphere from 1964–2007 satellite drag data. <i>Solar System Research</i> , 2011, 45, 420-432.	0.3	0
448	Density Perturbations in the Upper Atmosphere Caused by the Dissipation of Solar Wind Energy. <i>Surveys in Geophysics</i> , 2011, 32, 101-195.	2.1	115
449	Impact of CIR Storms on Thermosphere Density Variability during the Solar Minimum of 2008. <i>Solar Physics</i> , 2011, 274, 427-437.	1.0	62
450	A Snapshot of the Sun Near Solar Minimum: The Whole Heliosphere Interval. <i>Solar Physics</i> , 2011, 274, 29-56.	1.0	25

#	ARTICLE	IF	CITATIONS
451	Mass density of the upper atmosphere derived from Starlette's Precise Orbit Determination with Satellite Laser Ranging. <i>Astrophysics and Space Science</i> , 2011, 332, 341-351.	0.5	9
452	The international reference ionosphere today and in the future. <i>Journal of Geodesy</i> , 2011, 85, 909-920.	1.6	313
453	EUV-TEC proxy to describe ionospheric variability using satellite-borne solar EUV measurements: First results. <i>Advances in Space Research</i> , 2011, 47, 1578-1584.	1.2	19
454	Observations of the first meteorological rocket of the Meridian Space Weather Monitoring Project. <i>Science Bulletin</i> , 2011, 56, 2131-2137.	1.7	11
455	24/7 Solar minimum polar cap and auroral ion temperature observations. <i>Advances in Space Research</i> , 2011, 48, 1-11.	1.2	3
456	Meteoroid mass determination from underdense trails. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 895-900.	0.6	22
457	Long-term changes in the nightly behaviour of the oxygen red 630.0 nm line nightglow intensity and trends in the thermospheric meridional wind velocity. <i>International Journal of Remote Sensing</i> , 2011, 32, 3093-3114.	1.3	6
458	Possibilities and some results of the ionosphere regional monitoring by GPS-radio interferometry. , 2011, , .		1
459	The resonant response of the ionosphere imaged after the 2011 off the Pacific coast of Tohoku Earthquake. <i>Earth, Planets and Space</i> , 2011, 63, 853-857.	0.9	159
460	Integration of X-SAR observations with data of other remote sensing techniques: preliminary results achieved with Cosmo/SkyMed announcement of opportunity projects. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
461	Long-distance propagation of ionospheric disturbance generated by the 2011 off the Pacific coast of Tohoku Earthquake. <i>Earth, Planets and Space</i> , 2011, 63, 881-884.	0.9	52
462	Numerical simulations of atmospheric waves excited by the 2011 off the Pacific coast of Tohoku Earthquake. <i>Earth, Planets and Space</i> , 2011, 63, 885-889.	0.9	83
463	Drag Coefficients of Satellites with Concave Geometries: Comparing Models and Observations. <i>Journal of Spacecraft and Rockets</i> , 2011, 48, 312-325.	1.3	39
464	Precision Orbit Derived Total Density. <i>Journal of Spacecraft and Rockets</i> , 2011, 48, 166-174.	1.3	22
465	Predicting storm-time thermospheric mass density variations at CHAMP and GRACE altitudes. <i>Annales Geophysicae</i> , 2011, 29, 443-453.	0.6	23
466	Substorms during different storm phases. <i>Annales Geophysicae</i> , 2011, 29, 2031-2043.	0.6	16
467	Plasma transport modelling in the inner magnetosphere: effects of magnetic field, electric field and exospheric models. <i>Annales Geophysicae</i> , 2011, 29, 427-442.	0.6	3
468	Enhancement of Terrestrial Diffuse X-Ray Emission Associated with Coronal Mass Ejection and Geomagnetic Storm. <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, S691-S704.	1.0	26

#	ARTICLE	IF	CITATIONS
469	The Turbopause experiment: atmospheric stability and turbulent structure spanning the turbopause altitude. <i>Annales Geophysicae</i> , 2011, 29, 2327-2339.	0.6	19
470	Large-Scale Measurements of Thermospheric Dynamics with a Multisite Fabry-Perot Interferometer Network: Overview of Plans and Results from Midlatitude Measurements. <i>International Journal of Geophysics</i> , 2012, 2012, 1-10.	0.4	39
471	Solar flares as proxy for the young Sun: satellite observed thermosphere response to an X17.2 flare of Earth's upper atmosphere. <i>Annales Geophysicae</i> , 2012, 30, 1129-1141.	0.6	17
472	Numerical Modeling of the Influence of Solar Activity on the Global Circulation in the Earth's Mesosphere and Lower Thermosphere. <i>International Journal of Geophysics</i> , 2012, 2012, 1-15.	0.4	11
473	Electron density profiles in the quiet lower ionosphere based on the results of modeling and experimental data. <i>Annales Geophysicae</i> , 2012, 30, 1345-1360.	0.6	23
474	Observations of NO in the upper mesosphere and lower thermosphere during ECOMA 2010. <i>Annales Geophysicae</i> , 2012, 30, 1611-1621.	0.6	8
475	A Study of Infrasound Propagation Using Dense Seismic Network Recordings of Surface Explosions. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1927-1937.	1.1	25
476	Wave influence on polar mesosphere summer echoes above Wasa: experimental and model studies. <i>Annales Geophysicae</i> , 2012, 30, 1143-1157.	0.6	9
478	Evolution of negative Sl ⁺ -induced ionospheric flows observed by SuperDARN King Salmon HF radar. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
479	Simulations of imaging Fabry-Perot interferometers for measuring upper-atmospheric temperatures and winds. <i>Applied Optics</i> , 2012, 51, 3787.	0.9	7
480	Deriving Accurate Satellite Ballistic Coefficients from Two-Line Element Data. <i>Journal of Spacecraft and Rockets</i> , 2012, 49, 175-184.	1.3	17
481	Sequential Orbit Determination with the Cubed-Sphere Gravity Model. <i>Journal of Spacecraft and Rockets</i> , 2012, 49, 145-156.	1.3	1
482	Impact of Thrust Alignment on Orbital Debris Removal by Ground-Based Lasers. <i>Journal of Spacecraft and Rockets</i> , 2012, 49, 261-267.	1.3	1
483	Constant Momentum Exchange to Maintain Spacecraft Formations. <i>Journal of Spacecraft and Rockets</i> , 2012, 49, 69-75.	1.3	2
484	Polar cap ionosphere and thermosphere during the solar minimum period: EISCAT Svalbard radar observations and GCM simulations. <i>Earth, Planets and Space</i> , 2012, 64, 459-465.	0.9	6
485	Reliability Based Design Optimization of a CubeSat De-Orbiting Mechanism. , 2012, , .		2
486	Retrieval of thermospheric parameters from routine ionospheric observations: assessment of method's performance at mid-latitudes daytime hours. <i>Journal of Space Weather and Space Climate</i> , 2012, 2, A03.	1.1	14
487	On the quality of MIPAS kinetic temperature in the middle atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6009-6039.	1.9	30

#	ARTICLE	IF	CITATIONS
488	Investigation of Hemispheric Asymmetry and Longitudinal Variation of Fluxâ€Tube Integrated Rayleighâ€Taylor Instability. Chinese Journal of Geophysics, 2012, 55, 112-124.	0.2	7
489	Changes in thermospheric temperature induced by highâ€speed solar wind streams. Journal of Geophysical Research, 2012, 117, .	3.3	12
490	Improving GPS Radio occultation stratospheric refractivity retrievals for climate benchmarking. Geophysical Research Letters, 2012, 39, .	1.5	24
491	Atmospheric scattering and decay of inner radiation belt electrons. Journal of Geophysical Research, 2012, 117, .	3.3	34
492	Ionospheric plasma transport and loss in auroral downward current regions. Journal of Geophysical Research, 2012, 117, .	3.3	45
493	An intense traveling airglow front in the upper mesosphereâ€lower thermosphere with characteristics of a bore observed over Alice Springs, Australia, during a strong 2 day wave episode. Journal of Geophysical Research, 2012, 117, .	3.3	14
494	Middle and upper thermosphere density structures due to nonmigrating tides. Journal of Geophysical Research, 2012, 117, n/a-n/a.	3.3	12
495	Detection of ionospheric AlfvÃ©n resonator signatures in the equatorial ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	21
496	An empirical determination of proton auroral far ultraviolet emission efficiencies using a new nonclimatological proton flux extrapolation method. Journal of Geophysical Research, 2012, 117, .	3.3	6
497	Forward ray-tracing for medium-scale gravity waves observed during the COPEX campaign. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 90-91, 117-123.	0.6	12
498	Estimating Density Using Precision Satellite Orbits from Multiple Satellites. Journal of the Astronautical Sciences, 2012, 59, 84-100.	0.8	12
499	Estimating the electron energy distribution during ionospheric modification from spectrographic airglow measurements. Journal of Geophysical Research, 2012, 117, .	3.3	8
500	Examination of the absence of noontime biteâ€out in equatorial total electron content. Journal of Geophysical Research, 2012, 117, .	3.3	17
501	New method for tracking the movement of ionospheric plasma. Journal of Geophysical Research, 2012, 117, .	3.3	2
502	Remote sensing of neutral temperatures in the Earth's thermosphere using the Lymanâ€Birgeâ€Hopfield bands of N₂: Comparisons with satellite drag data. Journal of Geophysical Research, 2012, 117, .	3.3	9
503	Global Dynamics of the MLT. Surveys in Geophysics, 2012, 33, 1177-1230.	2.1	161
504	Effect of R2â€FAC development on the ionospheric electric field pattern deduced by a global ionospheric potential solver. Journal of Geophysical Research, 2012, 117, .	3.3	15
505	On estimation and attribution of longâ€term temperature trends in the thermosphere. Journal of Geophysical Research, 2012, 117, .	3.3	21

#	ARTICLE	IF	CITATIONS
506	Multiobjective Optimization of Earth-Entry Vehicle Heat Shields. Journal of Spacecraft and Rockets, 2012, 49, 38-50.	1.3	4
507	Longitudinal variability of thermospheric temperatures from WINDII O(¹ S) dayglow. Journal of Geophysical Research, 2012, 117, .	3.3	7
508	Two types of positive disturbances in the daytime mid-latitude F2-layer: Morphology and formation mechanisms. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 81-82, 59-75.	0.6	13
509	A new model of cosmogenic production of radiocarbon ¹⁴ C in the atmosphere. Earth and Planetary Science Letters, 2012, 337-338, 114-120.	1.8	118
510	Statistical distribution of height-integrated energy exchange rates in the ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	31
511	THEONA—a numerical-analytical theory of motion of artificial satellites of celestial bodies. Cosmic Research, 2012, 50, 449-458.	0.2	10
512	Lidar observations and formation mechanism of the structure of stratospheric and mesospheric aerosol layers over Kamchatka. Geomagnetism and Aeronomy, 2012, 52, 653-663.	0.2	15
513	Effective radius of heating of the lower ionosphere by intense shortwave radiation. Geomagnetism and Aeronomy, 2012, 52, 793-796.	0.2	1
514	Dynamics of lidar reflections of the Kamchatka upper atmosphere and its connection with phenomena in the ionosphere. Geomagnetism and Aeronomy, 2012, 52, 797-804.	0.2	5
515	Re-evaluation of thermosphere heating by solar EUV and UV radiation ¹ This article is part of a Special issue that honours the work of Dr. Donald M. Hunten FRSC who passed away in December 2010 after a very illustrious career.. Canadian Journal of Physics, 2012, 90, 759-767.	0.4	4
516	Measurement and application of the O II 61.7 nm dayglow. Journal of Geophysical Research, 2012, 117, .	3.3	13
517	Nonmigrating tidal characteristics in thermospheric neutral mass density. Journal of Geophysical Research, 2012, 117, .	3.3	8
518	Overcooling in the upper thermosphere during the recovery phase of the 2003 October storms. Journal of Geophysical Research, 2012, 117, .	3.3	46
519	Observed and modeled solar cycle variation in geocoronal hydrogen using NRLMSISE-00 thermosphere conditions and the Bishop analytic exosphere model. Journal of Geophysical Research, 2012, 117, .	3.3	19
520	Three-dimensional numerical simulations of equatorial spread <i>F</i> : Results and observations in the Pacific sector. Journal of Geophysical Research, 2012, 117, .	3.3	20
521	A multiyear (2002–2006) climatology of O/N ₂ in the lower thermosphere from TIMED GUVI and ground-based photometer observations. Journal of Geophysical Research, 2012, 117, .	3.3	10
522	Temporal variations of the ionospheric neutral collision frequency from EISCAT observations in the polar lower ionosphere during periods of geomagnetic disturbances. Journal of Geophysical Research, 2012, 117, .	3.3	6
523	High-latitude region ionosphere-thermosphere coupling: A comparative study using in situ and incoherent scatter radar observations. Journal of Geophysical Research, 2012, 117, .	3.3	11

#	ARTICLE	IF	CITATIONS
524	Annual and semiannual variations of thermospheric density: EOF analysis of CHAMP and GRACE data. Journal of Geophysical Research, 2012, 117, .	3.3	55
525	Atmosphere-ionosphere conductivity enhancements during a hard solar energetic particle event. Journal of Geophysical Research, 2012, 117, .	3.3	4
526	Coordinated observations of a high-altitude auroral electrojet by UHF/VHF receivers, magnetometers and meridian scanning photometer. Journal of Geophysical Research, 2012, 117, .	3.3	1
527	Neutral thermospheric dynamics observed with two scanning Doppler imagers: 3. Horizontal wind gradients. Journal of Geophysical Research, 2012, 117, .	3.3	10
528	Global Joule heating index derived from thermospheric density physics-based modeling and observations. Space Weather, 2012, 10, .	1.3	46
529	Validation of upper mesospheric and lower thermospheric temperatures measured by the Solar Occultation for Ice Experiment. Journal of Geophysical Research, 2012, 117, .	3.3	34
530	Data assimilation of thermospheric mass density. Space Weather, 2012, 10, .	1.3	41
531	Impact of tidal density variability on orbital and reentry predictions. Space Weather, 2012, 10, .	1.3	24
532	CEDAR Electrodynamic Thermosphere Ionosphere (ETI) Challenge for systematic assessment of ionosphere/thermosphere models: Electron density, neutral density, NmF2, and hmF2 using space based observations. Space Weather, 2012, 10, .	1.3	65
533	Assessment of the quality of OSIRIS mesospheric temperatures using satellite and ground-based measurements. Atmospheric Measurement Techniques, 2012, 5, 2993-3006.	1.2	13
534	The O2(δ) dayglow emissions: application to middle and upper atmosphere remote sensing This article is part of a Special issue that honours the work of Dr. Donald M. Hunten FRSC who passed away in December 2010 after a very illustrious career.. Canadian Journal of Physics, 2012, 90, 769-784.	0.4	18
535	On the sensitivity of infrasonic traveltimes in the equatorial region to the atmospheric tides. Journal of Geophysical Research, 2012, 117, .	3.3	54
536	Magnetic conjugacy of northern and southern auroral beads. Geophysical Research Letters, 2012, 39, .	1.5	74
537	Numerical Simulation of the Global Neutral Wind System of the Earth's Middle Atmosphere for Different Seasons. Atmosphere, 2012, 3, 213-228.	1.0	11
538	Atmospheric Ionizing Radiation from Galactic and Solar Cosmic Rays. , 2012, , .		6
539	Evaluation of the DTM-2009 thermosphere model for benchmarking purposes. Journal of Space Weather and Space Climate, 2012, 2, A04.	1.1	41
540	Solar EUV and XUV energy input to thermosphere on solar rotation time scales derived from photoelectron observations. Journal of Geophysical Research, 2012, 117, .	3.3	24
541	The phases and amplitudes of gravity waves propagating and dissipating in the thermosphere: Application to measurements over Alaska. Journal of Geophysical Research, 2012, 117, .	3.3	27

#	ARTICLE	IF	CITATIONS
542	Modeling the daytime, equatorial ionospheric ion densities associated with the observed, four-cell longitude patterns in E – B drift velocities. <i>Radio Science</i> , 2012, 47, .	0.8	7
543	Ion Chemistry of the Ionosphere at E- and F-Region Altitudes: A Review. <i>Surveys in Geophysics</i> , 2012, 33, 1133-1172.	2.1	26
544	Observations of molecular oxygen Atmospheric band emission in the thermosphere using the near infrared spectrometer on the ISS/RAIDS experiment. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
545	Contrasting the responses of three different ground-based instruments to energetic electron precipitation. <i>Radio Science</i> , 2012, 47, .	0.8	53
546	GRANADA: A Generic RAdiative traNsfer AnD non-LTE population algorithm. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 1771-1817.	1.1	60
547	The impact of helium on thermosphere mass density response to geomagnetic activity during the recent solar minimum. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
548	Evaluation of ionospheric densities using coincident OII 83.4 nm airglow and the Millstone Hill Radar. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	4
549	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, .	3.3	50
550	Implications of the equipotential field line approximation for equatorial spread F_2 analysis. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	13
551	Equatorial plasma bubble zonal velocity using 630.0 nm airglow observations and plasma drift modeling over Ascension Island. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
552	SAMI2-PE: A model of the ionosphere including multistream interhemispheric photoelectron transport. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	29
553	Superposed epoch analyses of thermospheric response to CIRs: Solar cycle and seasonal dependencies. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
554	Stellar temperatures by Wien's law: Not so simple. <i>American Journal of Physics</i> , 2012, 80, 391-398.	0.3	1
555	Interactions Between the Lower, Middle and Upper Atmosphere. <i>Space Science Reviews</i> , 2012, 168, 1-21.	3.7	24
556	The Near-Earth Plasma Environment. <i>Space Science Reviews</i> , 2012, 168, 23-112.	3.7	31
557	Thermospheric Density: An Overview of Temporal and Spatial Variations. <i>Space Science Reviews</i> , 2012, 168, 147-173.	3.7	102
558	A Review of Low Frequency Electromagnetic Wave Phenomena Related to Tropospheric-Ionospheric Coupling Mechanisms. <i>Space Science Reviews</i> , 2012, 168, 551-593.	3.7	33
559	Influences of non-isothermal atmospheric backgrounds on variations of gravity wave parameters. <i>Science China Technological Sciences</i> , 2012, 55, 1251-1257.	2.0	6

#	ARTICLE	IF	CITATIONS
560	First experiment of spectrometric observation of hydroxyl emission and rotational temperature in the mesopause in China. <i>Science China Technological Sciences</i> , 2012, 55, 1312-1318.	2.0	7
561	Latitudinal distribution of HDO abundance above Venus's clouds by ground-based 2.3 μ m spectroscopy. <i>Icarus</i> , 2012, 217, 610-614.	1.1	11
562	The low and middle latitude semi-annual anomaly in NmF2 near noon: A statistical study. <i>Advances in Space Research</i> , 2012, 49, 922-936.	1.2	12
563	Variations in the thermosphere and ionosphere response to the 17-20 April 2002 geomagnetic storms. <i>Advances in Space Research</i> , 2012, 49, 1529-1536.	1.2	12
564	Neutral air density variations during strong planetary wave activity in the mesopause region derived from meteor radar observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 74, 55-63.	0.6	62
565	Improvement of TIE-GCM thermospheric density predictions via incorporation of helium data from NRLMSISE-00. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 77, 19-25.	0.6	9
566	Effect of solar activity on the latitudinal variation of peak emission rate of 557.7nm dayglow emission under equinox conditions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 77, 209-218.	0.6	5
567	High spectral resolution test and calibration of an ultra-narrowband Faraday anomalous dispersion optical filter for use in daytime mesospheric resonance Doppler lidar. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 80, 187-194.	0.6	1
568	Covariations in atomic oxygen emissions and ionospheric total electron content during geomagnetic storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 80, 247-251.	0.6	2
569	Thermospheric density model biases at the 23rd sunspot maximum. <i>Planetary and Space Science</i> , 2012, 67, 130-146.	0.9	34
570	A mechanism of formation of polar cyclones and possibility of their prediction using satellite observations. <i>Cosmic Research</i> , 2012, 50, 160-169.	0.2	6
571	Numerical simulation of formation of cyclone vortex flows in the intratropical zone of convergence and their early detection. <i>Cosmic Research</i> , 2012, 50, 233-248.	0.2	12
572	Mathematical modeling of nighttime enhanced electron density regions in the Earth's ionospheric F2 layer and plasmasphere. <i>Geomagnetism and Aeronomy</i> , 2012, 52, 368-377.	0.2	5
573	Variations in statistical parameters of the NmF2 winter anomaly with latitude and solar activity. <i>Geomagnetism and Aeronomy</i> , 2012, 52, 335-343.	0.2	17
574	ELIV SpectroPhotometer (ESP) in Extreme Ultraviolet Variability Experiment (EVE): Algorithms and Calibrations. <i>Solar Physics</i> , 2012, 275, 179-205.	1.0	49
575	Extreme Ultraviolet Variability Experiment (EVE) on the Solar Dynamics Observatory (SDO): Overview of Science Objectives, Instrument Design, Data Products, and Model Developments. <i>Solar Physics</i> , 2012, 275, 115-143.	1.0	375
576	Disturbed O/N ² Ratios and their Transport to Middle and Low Latitudes. <i>Geophysical Monograph Series</i> , 0, , 221-234.	0.1	18
577	Field-aligned current loop model on formation of sporadic metal layers. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4628-4639.	0.8	10

#	ARTICLE	IF	CITATIONS
578	Lunar semidiurnal tide in the thermosphere under solar minimum conditions. Journal of Geophysical Research: Space Physics, 2013, 118, 1788-1801.	0.8	54
579	Estimating energy spectra of electron precipitation above auroral arcs from ground-based observations with radar and optics. Journal of Geophysical Research: Space Physics, 2013, 118, 3672-3691.	0.8	20
580	Altitude profiles of lower thermospheric temperature from RAIDS/NIRS and TIMED/SABER remote sensing experiments. Journal of Geophysical Research: Space Physics, 2013, 118, 3740-3746.	0.8	19
581	Modeling the ionospheric E and $F1$ regions: Using SDO-EVE observations as the solar irradiance driver. Journal of Geophysical Research: Space Physics, 2013, 118, 5379-5391.	0.8	26
582	Overview of the 2009 and 2011 Sayarim Infrasound Calibration Experiments. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6122-6143.	1.2	65
583	The midnight temperature maximum from Arecibo incoherent scatter radar ion temperature measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 103, 129-137.	0.6	10
584	Equatorial ionization anomaly development as studied by GPS TEC and foF2 over Brazil: A comparison of observations with model results from SUPIM and IRI-2012. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 104, 45-54.	0.6	9
585	Neutron monitor yield function: New improved computations. Journal of Geophysical Research: Space Physics, 2013, 118, 2783-2788.	0.8	81
586	Numerical simulation of the variations in the total electron content of the ionosphere observed before the Haiti earthquake of January 12, 2010. Geomagnetism and Aeronomy, 2013, 53, 522-528.	0.2	18
587	Solar eclipse of August 1, 2008, over Kharkov: 3. calculation results and discussion. Geomagnetism and Aeronomy, 2013, 53, 367-376.	0.2	20
588	Technique to produce daily estimates of the migrating diurnal tide using TIMED/SABER and EOS Aura/MLS. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 105-106, 39-53.	0.6	17
589	Comparison of NmE measured by the boulder ionosonde with model predictions near the spring equinox. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 102, 39-47.	0.6	13
590	What the Satellite Design Community Needs From the Radiation Belt Science Community. Geophysical Monograph Series, 0, , 365-370.	0.1	1
591	Small Satellite Rendezvous Using Differential Lift and Drag. Journal of Guidance, Control, and Dynamics, 2013, 36, 445-453.	1.6	43
592	Lyman α airglow emission: Implications for atomic hydrogen geocorona variability with solar cycle. Journal of Geophysical Research: Space Physics, 2013, 118, 5874-5890.	0.8	27
593	Electromagnetic Drivers in the Upper Atmosphere: Observations and Modeling. Physics of Earth and Space Environments, 2013, , 165-219.	0.5	6
594	Morphology of the G condition occurrence over Irkutsk. Advances in Space Research, 2013, 52, 575-580.	1.2	1
595	Variations in statistical parameters of the NmF2 equinoctial asymmetry with latitude and solar activity near noon. Advances in Space Research, 2013, 51, 2018-2034.	1.2	10

#	ARTICLE	IF	CITATIONS
596	Estimation of ballistic coefficients of low altitude debris objects from historical two line elements. <i>Advances in Space Research</i> , 2013, 52, 117-124.	1.2	37
597	E region electric fields at the dip equator and anomalous conductivity effects. <i>Advances in Space Research</i> , 2013, 51, 1857-1869.	1.2	8
598	The ionospheric anomalies prior to the M9.0 Tohoku-Oki earthquake. <i>Journal of Asian Earth Sciences</i> , 2013, 62, 476-484.	1.0	48
599	Longitudinal variation in Global Navigation Satellite Systems TEC and topside ion density over South American sector associated with the four-peaked wave structures. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7940-7953.	0.8	16
600	Drag coefficient modeling for grace using Direct Simulation Monte Carlo. <i>Advances in Space Research</i> , 2013, 52, 2035-2051.	1.2	40
601	Ionospheric disturbances induced by a missile launched from North Korea on 12 December 2012. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5184-5189.	0.8	29
602	Diurnal and seasonal variation of electron heat flux measured with the Poker Flat Incoherent Scatter Radar. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5327-5332.	0.8	12
603	Modeling of variations of the peak F2 layer electron density and total electron content during the recovery period after the magnetic storm of April 15-20, 2002. <i>Russian Journal of Physical Chemistry B</i> , 2013, 7, 606-610.	0.2	0
604	Modeling the plasmasphere with SAMI3. <i>Geophysical Research Letters</i> , 2013, 40, 6-10.	1.5	67
605	Sources of variability in equatorial topside ionospheric and plasmaspheric temperatures. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 103, 83-93.	0.6	5
606	Planetary wave oscillations observed in ozone and PMSE data from Antarctica. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 105-106, 207-213.	0.6	0
607	Multiple neutral density measurements in the lower thermosphere with cold-cathode ionization gauges. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 92, 137-144.	0.6	0
608	Airglow observations of orographic, volcanic and meteorological infrasound signatures. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 104, 55-66.	0.6	21
609	Reevaluation of thermosphere heating by auroral electrons. <i>Advances in Space Research</i> , 2013, 51, 610-619.	1.2	10
610	The magnitude and inter-hemispheric asymmetry of equatorial ionization anomaly-based on CHAMP and GRACE observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 105-106, 160-169.	0.6	49
611	Statistical analysis of infrasound signatures in airglow observations: Indications for acoustic resonance. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 93, 70-79.	0.6	9
612	Atmospheric propagation modeling indicates homing pigeons use loft-specific infrasonic cues. <i>Journal of Experimental Biology</i> , 2013, 216, 687-699.	0.8	51
613	Empirical STORM-E model: I. Theoretical and observational basis. <i>Advances in Space Research</i> , 2013, 51, 554-574.	1.2	10

#	ARTICLE	IF	CITATIONS
614	Observation of a thermospheric descending layer of neutral K over Arecibo. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 104, 253-259.	0.6	39
615	Effect of the zonal E \vec{A} – B plasma drift on the electron number density in the low-latitude ionospheric F region at high solar activity near the December solstice. <i>Geomagnetism and Aeronomy</i> , 2013, 53, 188-197.	0.2	1
616	GOCE: The first seismometer in orbit around the Earth. <i>Geophysical Research Letters</i> , 2013, 40, 1015-1020.	1.5	40
617	Rapid, highly structured meridional winds and their modulation by non migrating tides: Measurements from the Streak mission. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 866-877.	0.8	2
618	Longitudinal and seasonal structure of the ionospheric equatorial electric field. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1298-1305.	0.8	23
619	Thermospheric atomic oxygen density estimates using the EISCAT Svalbard Radar. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1319-1330.	0.8	14
620	Wave signatures in the midlatitude ionosphere during a sudden stratospheric warming of January 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 472-487.	0.8	46
621	Thermospheric tidal effects on the ionospheric midlatitude summer nighttime anomaly using SAMI3 and TIEGCM. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3836-3845.	0.8	30
622	Modelling of plasma processes in cometary and planetary atmospheres. <i>Plasma Sources Science and Technology</i> , 2013, 22, 013002.	1.3	65
623	Charged Aerosol Effects on the Scattering of Radar Waves from the D-Region. <i>Springer Atmospheric Sciences</i> , 2013, , 339-363.	0.4	4
624	Fine structure in midlatitude sporadic E layers. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 103, 16-23.	0.6	12
625	Satellite observations of ozone in the upper mesosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5803-5821.	1.2	63
626	Modeling ionospheric superâ€fountain effect based on the coupled TIMEGCMâ€SAMI3. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2527-2535.	0.8	32
627	Longitudinal and dayâ€toâ€day variability in the ionosphere from lower atmosphere tidal forcing. <i>Geophysical Research Letters</i> , 2013, 40, 2523-2528.	1.5	48
628	Estimation of debris dispersion due to a space vehicle breakup during reentry. <i>Acta Astronautica</i> , 2013, 86, 211-218.	1.7	28
629	Enhancements of nighttime neutral and ion temperatures in the $<i>F</i>$ region over Millstone Hill. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1768-1776.	0.8	9
630	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0028.gif" overflow="scroll" \rangle \langle \text{mml:mi mathvariant="normal" \rangle} \text{ï"} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Dsat} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$, a QB50 CubeSat mission to study rarefied-gas drag modelling. <i>Acta Astronautica</i> , 2013, 89, 130-138.	1.7	8
631	Heightâ€dependent energy exchange rates in the highâ€latitude $<i>E</i>$ region ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7369-7383.	0.8	20

#	ARTICLE	IF	CITATIONS
632	Impact of tropospheric tides on the nitric oxide 5.3 μ m infrared cooling of the low-latitude thermosphere during solar minimum conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7283-7293.	0.8	25
633	Theoretical tools for studies of low-frequency thermospheric variability. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5853-5873.	0.8	16
634	Parameters of seismic source as deduced from 1-Hz ionospheric GPS data: Case study of the 2011 Tohoku earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5942-5950.	0.8	44
635	Empirical model of the thermospheric mass density based on CHAMP satellite observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 843-848.	0.8	32
636	On the relationship between atomic oxygen and vertical shifts between OH Meinel bands originating from different vibrational levels. <i>Geophysical Research Letters</i> , 2013, 40, 5821-5825.	1.5	26
637	Noctilucent cloud variability and mean parameters from 15 years of lidar observations at a mid-latitude site (54°N, 12°E). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 317-328.	1.2	17
638	The longitudinal variation of the daily mean thermospheric mass density. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 515-523.	0.8	25
639	WINDII observations and TIME-GCM simulations of O(¹ S) polar spirals during geomagnetic disturbances. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2721-2733.	0.8	2
640	Mesospheric hydroxyl airglow signatures of acoustic and gravity waves generated by transient tropospheric forcing. <i>Geophysical Research Letters</i> , 2013, 40, 4533-4537.	1.5	36
641	Three-dimensional modeling of the electromagnetic characteristics of equatorial plasma depletions. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3505-3514.	0.8	14
642	NAIRAS aircraft radiation model development, dose climatology, and initial validation. <i>Space Weather</i> , 2013, 11, 603-635.	1.3	66
643	Micropulse lidar-derived aerosol optical depth climatology at ARM sites worldwide. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7293-7308.	1.2	29
644	Transport of solar protons through the atmosphere during GLE. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012200.	0.3	2
645	Empirical correction of thermal responses in the Solar Occultation for Ice Experiment nitric oxide measurements and initial data validation results. <i>Applied Optics</i> , 2013, 52, 2950.	0.9	14
646	A framework for estimating stratospheric wind speeds from unknown sources and application to the 2010 December 25 bolide. <i>Geophysical Journal International</i> , 2013, 195, 491-503.	1.0	18
647	Retrieval of nitric oxide in the mesosphere and lower thermosphere from SCIAMACHY limb spectra. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 2521-2531.	1.2	17
648	Seasonal dependence of the longitudinal variations of nighttime ionospheric electron density and equivalent winds at southern midlatitudes. <i>Annales Geophysicae</i> , 2013, 31, 1699-1708.	0.6	12
649	Numerical modeling study of the momentum deposition of small amplitude gravity waves in the thermosphere. <i>Annales Geophysicae</i> , 2013, 31, 1-14.	0.6	30

#	ARTICLE	IF	CITATIONS
650	A Comparison Between Numerical Differentiation and Kalman Filtering for a Leo Satellite Velocity Determination. <i>Artificial Satellites</i> , 2013, 48, 103-110.	0.7	9
652	Quasi-16-day period oscillations observed in middle atmospheric ozone and temperature in Antarctica. <i>Annales Geophysicae</i> , 2013, 31, 1279-1284.	0.6	4
653	The relationship of thermospheric density anomaly with electron temperature, small-scale FAC, and ion up-flow in the cusp region, as observed by CHAMP and DMSP satellites. <i>Annales Geophysicae</i> , 2013, 31, 541-554.	0.6	33
654	Determination of meteor-head echo trajectories using the interferometric capabilities of MAARSY. <i>Annales Geophysicae</i> , 2013, 31, 1843-1851.	0.6	23
655	Infrasonic interferometry of stratospherically refracted microbaromsâ€”A numerical study. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 2660-2668.	0.5	7
656	Exploring the role of ionospheric drivers during the extreme solar minimum of 2008. <i>Annales Geophysicae</i> , 2013, 31, 2147-2156.	0.6	21
657	Thermospheric density and wind retrieval from Swarm observations. <i>Earth, Planets and Space</i> , 2013, 65, 1319-1331.	0.9	36
658	Ionospheric signatures of acoustic waves generated by transient tropospheric forcing. <i>Geophysical Research Letters</i> , 2013, 40, 5345-5349.	1.5	43
659	PNAVSIM: A Numerical Simulation Package for Pulsar Navigation. <i>Applied Mechanics and Materials</i> , 2013, 313-314, 1069-1073.	0.2	2
660	Estimation of debris hazard areas due to a space vehicle breakup at high altitudes. , 2013, , .		0
661	Swarm SCARF equatorial electric field inversion chain. <i>Earth, Planets and Space</i> , 2013, 65, 1309-1317.	0.9	39
662	Effect of Density Model Time-Delay Errors on Orbit Prediction. <i>Journal of Spacecraft and Rockets</i> , 2013, 50, 1096-1105.	1.3	2
663	Aerodynamic Analysis Based on Challenging Minisatellite Payload Satellite Lift-to-Drag Measurements. <i>Journal of Spacecraft and Rockets</i> , 2013, 50, 1162-1170.	1.3	9
664	Gravity Error Compensation Using Second-Order Gauss-Markov Processes. <i>Journal of Spacecraft and Rockets</i> , 2013, 50, 217-229.	1.3	22
665	A study of infrasonic anisotropy and multipathing in the atmosphere using seismic networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20110542.	1.6	32
666	Retrieval of thermospheric parameters from routinely observed F2-layer Ne(h) profiles at the geomagnetic equator. <i>Journal of Space Weather and Space Climate</i> , 2013, 3, A15.	1.1	2
667	The roles of vertical advection and eddy diffusion in the equatorial mesospheric semi-annual oscillation (MSAO). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7813-7824.	1.9	5
668	Implications of the O + OH reaction in hydroxyl nightglow modeling. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1-13.	1.9	60

#	ARTICLE	IF	CITATIONS
669	The estimation of upper atmospheric wind model updates from infrasound data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,707.	1.2	47
670	Numerical and statistical evidence for long-range ducted gravity wave propagation over Halley, Antarctica. <i>Geophysical Research Letters</i> , 2013, 40, 4813-4817.	1.5	14
671	Extended lateral heating of the nighttime ionosphere by ground-based VLF transmitters. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7783-7797.	0.8	10
672	Atomic oxygen in the mesosphere and lower thermosphere derived from SABER: Algorithm theoretical basis and measurement uncertainty. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5724-5735.	1.2	101
673	Radiative constraints on the minimum atomic oxygen concentration in the mesopause region. <i>Geophysical Research Letters</i> , 2013, 40, 3777-3780.	1.5	10
674	Odin observations of Antarctic nighttime NO densities in the mesosphere-lower thermosphere and observations of a lower NO layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7414-7425.	1.2	23
675	Equatorial ionosphere semiannual oscillation investigated from Schumann resonance measurements on board the C/NOFS satellite. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,045.	1.2	1
676	Decrease in sodium density observed during auroral particle precipitation over Tromsø, Norway. <i>Geophysical Research Letters</i> , 2013, 40, 4486-4490.	1.5	19
677	High-resolution modelling of meteoroid ablation. <i>Astronomy and Astrophysics</i> , 2013, 557, A41.	2.1	30
678	Evaluations of Polymeric Materials in Space Environment for Space Use. <i>Nippon Gomu Kyokaishi</i> , 2013, 86, 367-372.	0.0	2
679	Eureka, 80° N, SKiYMET meteor radar temperatures compared with Aura MLS values. <i>Annales Geophysicae</i> , 2013, 31, 1267-1277.	0.6	17
680	Heating of the sunlit polar cap ionosphere by reflected photoelectrons. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8660-8684.	0.8	24
681	Thermospheric density perturbations in response to substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4441-4455.	0.8	15
682	Observations and modeling of magnetic flux tube refilling of the plasmasphere at geosynchronous orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9246-9255.	0.8	9
683	Ionospheric shock waves triggered by rockets. <i>Annales Geophysicae</i> , 2014, 32, 1145-1152.	0.6	28
684	Influence of water vapour on the height distribution of positive ions, effective recombination coefficient and ionisation balance in the quiet lower ionosphere. <i>Annales Geophysicae</i> , 2014, 32, 207-222.	0.6	1
685	Theoretical Model of Drag Force Impact on a Model International Space Station Satellite due to Solar Activity. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014, 12, 47-53.	0.1	8
686	ANIMo – A New Ionospheric Model. <i>Ionospheric Modeling for Ionospheric Imaging and Forecasting Purposes.</i> , 0, , .		1

#	ARTICLE	IF	CITATIONS
687	A study of 732.0 nm dayglow emission at the equator under varying atomic oxygen density conditions for equinox and solstice cases. <i>Earth and Space Science</i> , 2014, 1, 18-31.	1.1	3
688	Statistical Impact Prediction of Decaying Objects. <i>Journal of Spacecraft and Rockets</i> , 2014, 51, 1797-1810.	1.3	7
689	Observations in the <i>E</i> region ionosphere of kappa distribution functions associated with precipitating auroral electrons and discrete aurorae. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,164.	0.8	17
690	Theoretical study of the ionospheric plasma cave in the equatorial ionization anomaly region. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,324.	0.8	5
691	Approximate forms of daytime ionospheric conductance. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,397.	0.8	17
692	Investigation of sudden electron density depletions observed in the dusk sector by the Poker Flat, Alaska incoherent scatter radar in summer. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,608.	0.8	7
693	Rigid-Body Dynamics in Free-Molecular and Transition Flow. <i>Journal of Spacecraft and Rockets</i> , 2014, 51, 239-252.	1.3	3
694	Optimization of Logistics Strategies for Long-Duration Space-Station Operation. <i>Journal of Spacecraft and Rockets</i> , 2014, 51, 1709-1720.	1.3	13
695	Quantitative analysis of the atmospheric density models applicable for determination of artificial satellite deceleration. <i>Kinematics and Physics of Celestial Bodies</i> , 2014, 30, 308-312.	0.2	4
696	Long-term variation in the upper atmosphere as seen in the geomagnetic solar quiet daily variation. <i>Earth, Planets and Space</i> , 2014, 66, .	0.9	18
697	Large winds and wind shears caused by the nonlinear interactions between gravity waves and tidal backgrounds in the mesosphere and lower thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7698-7708.	0.8	23
698	Using physics-based priors in a Bayesian algorithm to enhance infrasound source location. <i>Geophysical Journal International</i> , 2014, 196, 375-385.	1.0	23
699	Numerical calculation of the radiation exposure from galactic cosmic rays at aviation altitudes with the PANDOCA core model. <i>Space Weather</i> , 2014, 12, 161-171.	1.3	31
700	Abnormal Signatures Recorded by FORMOSAT-2 and FORMOSAT-3 over South Atlantic Anomaly and Polar Region. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2014, 25, 573.	0.3	5
702	Moderate geomagnetic storms of January 22â€“25, 2012 and their influences on the wave components in ionosphere and upper stratosphere-mesosphere regions. <i>Advances in Space Research</i> , 2014, 54, 1793-1812.	1.2	10
703	TID characterised using joint effort of incoherent scatter radar and GPS. <i>Annales Geophysicae</i> , 2014, 32, 1511-1532.	0.6	17
704	Simulations of large winds and wind shears induced by gravity wave breaking in the mesosphere and lower thermosphere (MLT) region. <i>Annales Geophysicae</i> , 2014, 32, 543-552.	0.6	10
705	MIPAS temperature from the stratosphere to the lower thermosphere: Comparison of vM21 with ACE-FTS, MLS, OSIRIS, SABER, SOFIE and lidar measurements. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3633-3651.	1.2	30

#	ARTICLE	IF	CITATIONS
706	Oâ€™ fluorescent line contamination in soft X-ray diffuse background obtained with Suzaku/XIS. Publication of the Astronomical Society of Japan, 2014, 66, .	1.0	22
707	A Modeling Study of the Initial Formation of Polar Lows in the Vicinity of the Arctic Front. Advances in Meteorology, 2014, 2014, 1-10.	0.6	4
708	Bidirectional infrasonic ducts associated with sudden stratospheric warming events. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1140-1153.	1.2	43
709	Climatological features of the maximum electron density of the ionospheric F2 layer (NmF2) in polar regions. , 2014, , .		0
710	Dynamic Modeling of Space Electrodynamic Tether System Using the Nodal Position Finite Element and Symplectic Integration. , 2014, , .		0
711	Finding the Forceâ€™ Consistent Particle Seeding for Satellite Aerodynamics. , 2014, , .		0
712	Inferred Cosmic-Ray Spectrum from Fermi Large Area Telescope<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></math>-Ray Observations of Earthâ€™s Limb. Physical Review Letters, 2014, 112, 151103.	2.9	28
713	An Interactive Data Language software package to calculate ionospheric conductivity by using numerical models. Computer Physics Communications, 2014, 185, 3398-3405.	3.0	6
715	Storm time ionosphere and plasmasphere structuring: SAMI3â€™RCM simulation of the 31 March 2001 geomagnetic storm. Geophysical Research Letters, 2014, 41, 8208-8214.	1.5	42
716	Propagation and energy deposition of cosmic raysâ€™ muons on terrestrial environments. International Journal of Astrobiology, 2014, 13, 319-323.	0.9	14
717	The Development of Global Probabilistic Propagation Look-Up Tables for Infrasound Celerity and Back-Azimuth Deviation. Seismological Research Letters, 2014, 85, 1223-1233.	0.8	14
718	Statistical characterization of atmospheric gravity waves by seismoacoustic observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5345-5363.	1.2	33
720	A comparison of FUV dayglows measured by STSAT-1/FIMS with the AURIC model in a geomagnetic quiet condition. Journal of the Korean Physical Society, 2014, 65, 786-791.	0.3	1
721	Photochemistry of Ions at D-region Altitudes of the Ionosphere: A Review. Surveys in Geophysics, 2014, 35, 259-334.	2.1	43
722	Validation of GOCE densities and evaluation of thermosphere models. Advances in Space Research, 2014, 54, 576-585.	1.2	56
723	Prediction of the space debris spatial distribution on the basis of the evolution equations. Acta Astronautica, 2014, 100, 47-56.	1.7	5
724	A high order method for orbital conjunctions analysis: Sensitivity to initial uncertainties. Advances in Space Research, 2014, 53, 490-508.	1.2	26
725	Cosmic factors influence on the inter-annual variations of the green 557.7 Nm line and red 630.0 Nm line nightglow intensities and their possible coupling with cloud covering at Abastumani (41.75â€™N), Tj ETQq1 1 0.7ლ rgBT /Overlo		

#	ARTICLE	IF	CITATIONS
727	Dynamics of towed large space debris taking into account atmospheric disturbance. Acta Mechanica, 2014, 225, 2685-2697.	1.1	36
728	Modeling of properties of the plasmasphere under quiet and disturbed conditions. Geomagnetism and Aeronomy, 2014, 54, 11-19.	0.2	4
733	How does solar eclipse influence the complex behavior of midlatitude ionosphere? Two case studies. Journal of Geophysical Research: Space Physics, 2014, 119, 1157-1171.	0.8	4
736	Ionization due to electron and proton precipitation during the August 2011 storm. Journal of Geophysical Research: Space Physics, 2014, 119, 3106-3116.	0.8	14
738	Simulations of the effects of vertical transport on the thermosphere and ionosphere using two coupled models. Journal of Geophysical Research: Space Physics, 2014, 119, 1172-1185.	0.8	39
740	Energy coupling during the August 2011 magnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 1219-1232.	0.8	41
741	High time and height resolution neutral wind profile measurements across the mesosphere/lower thermosphere region using the Arecibo incoherent scatter radar. Journal of Geophysical Research: Space Physics, 2014, 119, 2345-2358.	0.8	23
742	Impacts of vertically propagating tides on the mean state of the ionosphere-thermosphere system. Journal of Geophysical Research: Space Physics, 2014, 119, 2197-2213.	0.8	63
743	Altitude variations in the thermosphere mass density response to geomagnetic activity during the recent solar minimum. Journal of Geophysical Research: Space Physics, 2014, 119, 2160-2177.	0.8	16
744	Semiempirical Model for Ionospheric Absorption based on the NRLMSISE-00 atmospheric model. Radio Science, 2014, 49, 81-93.	0.8	25
745	Low-latitude midnight brightness in 630.0 nm limb observations by FORMOSAT-2/ISUAL. Journal of Geophysical Research: Space Physics, 2014, 119, 4894-4904.	0.8	5
746	The effect of the thermosphere on quiet time plasmasphere morphology. Journal of Geophysical Research: Space Physics, 2014, 119, 5032-5048.	0.8	17
747	Auroral ionospheric F_2 region density cavity formation and evolution: MICA campaign results. Journal of Geophysical Research: Space Physics, 2014, 119, 3162-3178.	0.8	32
748	Intra-annual variations of the thermospheric density at 400km altitude from 1996 to 2006. Advances in Space Research, 2014, 54, 327-332.	1.2	7
749	The winter helium bulge revisited. Geophysical Research Letters, 2014, 41, 6603-6609.	1.5	18
750	Comment on "The winter anomaly in the middle-latitude F_2 region during the solar minimum period observed by the Constellation Observing System for Meteorology, Ionosphere, and Climate" by W. K. Lee, H. Kil, Y. S. Kwak, Q. Wu, S. Cho, and J. U. Park. Journal of Geophysical Research: Space Physics, 2014, 119, 7972-7978.	0.8	9
751	Background Lamb waves in the Earth's atmosphere. Geophysical Journal International, 2014, 196, 312-316.	1.0	60
752	Grazing Impacts Upon Earth's Surface: Towards an Understanding of the Rio Cuarto Crater Field. Earth, Moon and Planets, 2014, 113, 53-71.	0.3	1

#	ARTICLE	IF	CITATIONS
753	Direct measurement of lower thermospheric neutral density using multifrequency incoherent scattering. <i>Geophysical Research Letters</i> , 2014, 41, 8147-8154.	1.5	9
754	The asymmetrical features in electron density during extreme solar minimum. <i>Advances in Space Research</i> , 2014, 54, 2236-2248.	1.2	4
755	Dynamics of field-aligned currents reconstructed by the ground-based and satellite data. <i>Geomagnetism and Aeronomy</i> , 2014, 54, 549-557.	0.2	1
756	Lunar tide contribution to thermosphere weather. <i>Space Weather</i> , 2014, 12, 538-551.	1.3	11
757	First scanning Fabry-Perot interferometer developed in China. <i>Science Bulletin</i> , 2014, 59, 563-570.	1.7	3
758	Nonlinear Dynamics of Objects in Transition Flow During Atmospheric Entry. <i>Journal of Spacecraft and Rockets</i> , 2014, 51, 855-872.	1.3	3
759	Global distribution of atomic oxygen in the mesopause region as derived from SCIAMACHY O(¹ S) green line measurements. <i>Geophysical Research Letters</i> , 2014, 41, 6274-6280.	1.5	36
760	Lidar observations of the middle atmospheric thermal structure over north China and comparisons with TIMED/SABER. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 120, 80-87.	0.6	9
761	Ionospheric response to sudden stratospheric warming events at low and high solar activity. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7858-7869.	0.8	33
762	Physical mechanisms responsible for forming the 4-peak longitudinal structure of the 135.6nm ionospheric emission: First results from the Canadian IAM. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 120, 51-61.	0.6	10
763	Using MFACE as input in the UAM to specify the MIT dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6704-6714.	0.8	5
764	Modeling satellite drag coefficients with response surfaces. <i>Advances in Space Research</i> , 2014, 54, 1590-1607.	1.2	41
765	Comparison of H ⁺ and He ⁺ plasmopause locations based on the resurrected and reevaluated OGO-5 ion composition data base. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 119, 27-34.	0.6	0
766	An updated model of atomic oxygen redline dayglow emission. <i>Advances in Space Research</i> , 2014, 54, 939-945.	1.2	2
767	Comparative studies on ionospheric climatological features of NmF2 among the Arctic and Antarctic stations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 119, 63-70.	0.6	10
768	Ionospheric electron density profiles inverted from a spectral riometer measurement. <i>Geophysical Research Letters</i> , 2014, 41, 5370-5375.	1.5	19
769	Climatology of medium-scale traveling ionospheric disturbances observed by the midlatitude Blackstone SuperDARN radar. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7679-7697.	0.8	44
770	Gravity wave effects on postsunset equatorial F region stability. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5847-5860.	0.8	20

#	ARTICLE	IF	CITATIONS
771	Investigation of the seasonal and local time variations of the high-altitude sporadic Na layer (Na _s) formation and the associated midlatitude descending <i>E</i> layer (<i>E_s</i>) in lower <i>E</i> region. Journal of Geophysical Research: Space Physics, 2014, 119, 5985-5999.	0.8	44
772	Optical observations of meteors generating infrasound: Acoustic signal identification and phenomenology. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 119, 116-128.	0.6	32
773	Partial solar eclipse of January 4, 2011 above Kharkiv: Observation and simulations results. Geomagnetism and Aeronomy, 2014, 54, 583-592.	0.2	14
774	A solar cycle of upper thermosphere density observations from the EISCAT Svalbard Radar. Journal of Geophysical Research: Space Physics, 2014, 119, 6833-6845.	0.8	17
775	The responses of ionospheric topside diffusive fluxes to two geomagnetic storms in October 2002. Journal of Geophysical Research: Space Physics, 2014, 119, 6806-6820.	0.8	7
776	Modeling study of nighttime enhancements in <i>F</i> region electron density at low latitudes. Journal of Geophysical Research: Space Physics, 2014, 119, 6648-6656.	0.8	25
777	Contribution of Starlette, Stella, and AJISAI to the SLR-derived global reference frame. Journal of Geodesy, 2014, 88, 789-804.	1.6	47
778	A critical assessment of satellite drag and atmospheric density modeling. Acta Astronautica, 2014, 95, 141-165.	1.7	138
779	SolidEarth: a new Digital Earth system for the modeling and visualization of the whole Earth space. Frontiers of Earth Science, 2014, 8, 524-539.	0.9	16
780	The Partial Reflection of Tsunami-Generated Gravity Waves. Journals of the Atmospheric Sciences, 2014, 71, 3416-3426.	0.6	17
781	Attribution of interminima changes in the global thermosphere and ionosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 6657-6688.	0.8	46
782	Numerical simulation of equatorial plasma bubbles over Cachimbo: COPEX campaign. Advances in Space Research, 2014, 54, 443-455.	1.2	4
783	A model for predicting the radiation exposure for mission planning aboard the international space station. Advances in Space Research, 2014, 53, 1125-1134.	1.2	8
784	Measuring atmospheric density using GPS-LEO tracking data. Advances in Space Research, 2014, 53, 243-256.	1.2	21
785	Effect of severe geomagnetic storm conditions on atomic oxygen greenline dayglow emission in mesosphere. Advances in Space Research, 2014, 53, 1255-1264.	1.2	11
786	Spin-stabilized satellite magnetic attitude control scheme without initial detumbling. Acta Astronautica, 2014, 94, 446-454.	1.7	19
787	Orbit-centered atmospheric density prediction using artificial neural networks. Acta Astronautica, 2014, 98, 9-23.	1.7	33
788	Modeling ionospheric disturbance features in quasi-vertically incident ionograms using Δ magnetoionic ray tracing and atmospheric gravity waves. Journal of Geophysical Research: Space Physics, 2014, 119, 431-440.	0.8	74

#	ARTICLE	IF	CITATIONS
789	Midnight density maximum in the thermosphere from the CHAMP observations. Journal of Geophysical Research: Space Physics, 2014, 119, 3741-3746.	0.8	12
790	Geospace variability during the 2008â€“2009 Whole Heliosphere Intervals. Journal of Geophysical Research: Space Physics, 2014, 119, 3755-3776.	0.8	6
791	Dataâ€“driven numerical simulations of equatorial spread <i>F₂</i> in the Peruvian sector. Journal of Geophysical Research: Space Physics, 2014, 119, 3815-3827.	0.8	22
792	Ionospheric modelâ€“observation comparisons: <i>E</i> layer at Arecibo Incorporation of SDOâ€“EVE solar irradiances. Journal of Geophysical Research: Space Physics, 2014, 119, 3844-3856.	0.8	11
793	A statistical approach to determining energetic outer radiation belt electron precipitation fluxes. Journal of Geophysical Research: Space Physics, 2014, 119, 3961-3978.	0.8	11
794	Comparing Physical Drag Coefficients Computed Using Different Gasâ€“Surface Interaction Models. Journal of Spacecraft and Rockets, 2014, 51, 873-883.	1.3	79
795	Drag Coefficient Model Using the Cercignaniâ€“Lampisâ€“Lord Gasâ€“Surface Interaction Model. Journal of Spacecraft and Rockets, 2014, 51, 1544-1563.	1.3	45
796	On the challenge of a century lifespan satellite. Progress in Aerospace Sciences, 2014, 70, 28-41.	6.3	12
797	The International Reference Ionosphere 2012 â€“ a model of international collaboration. Journal of Space Weather and Space Climate, 2014, 4, A07.	1.1	503
798	Numerical simulation of the longâ€“range propagation of gravity wave packets at high latitudes. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,116.	1.2	15
799	Winter temperature tides from 30 to 110â€“km at McMurdo (77.8â€“S, 166.7â€“E), Antarctica: Lidar observations and comparisons with WAM. Journal of Geophysical Research D: Atmospheres, 2014, 119, 2846-2863.	1.2	21
800	New perspectives on thermosphere tides: 2. Penetration to the upper thermosphere. Earth, Planets and Space, 2014, 66, 122.	0.9	27
801	Correlations between ion density and temperature in the topside ionosphere measured by ROCSATâ€“1. Journal of Geophysical Research: Space Physics, 2014, 119, 9207-9215.	0.8	8
802	Neutral density variation from specular meteor echo observations spanning one solar cycle. Geophysical Research Letters, 2014, 41, 6919-6925.	1.5	37
803	On the generation/decay of the stormâ€“enhanced density plumes: Role of the convection flow and fieldâ€“aligned ion flow. Journal of Geophysical Research: Space Physics, 2014, 119, 8543-8559.	0.8	74
804	Atmospheric gravity waves due to the Tohokuâ€“Oki tsunami observed in the thermosphere by GOCE. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4498-4506.	1.2	44
805	Quantifying Kelvinâ€“Helmholtz instability dynamics observed in noctilucent clouds: 1. Methods and observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9324-9337.	1.2	56
806	On the solar cycle variation of the winter anomaly. Journal of Geophysical Research: Space Physics, 2014, 119, 4938-4949.	0.8	38

#	ARTICLE	IF	CITATIONS
807	Horizontal parameters of daytime thermospheric gravity waves and <i>E</i> region neutral winds over Puerto Rico. Journal of Geophysical Research: Space Physics, 2014, 119, 575-600.	0.8	49
808	OH Meinel band nightglow profiles from OSIRIS observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,417.	1.2	15
809	On the possible use of radio occultation middle latitude electron density profiles to retrieve thermospheric parameters. Journal of Space Weather and Space Climate, 2014, 4, A12.	1.1	8
810	Gravity wave characteristics in the mesopause region revealed from OH airglow imager observations over Northern Colorado. Journal of Geophysical Research: Space Physics, 2014, 119, 630-645.	0.8	20
811	Orbit Control Manoeuvre Strategy for EarthCARE. , 2014, , .		1
812	Nonmigrating tidal variability in the SABER/TIMED mesospheric ozone. Geophysical Research Letters, 2014, 41, 4059-4067.	1.5	6
813	Automatic infrasound detection and location of sources in the western United States. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7773-7798.	1.2	22
814	Evaluation of wind and temperature profiles from ECMWF analysis on two hemispheres using volcanic infrasound. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8659-8683.	1.2	43
815	Electron density height profiles calculated by the theoretical upper atmosphere model: Comparison with the empirical IRI model. , 2014, , .		0
816	Highly Physical Penumbra Solar Radiation Pressure Modeling and the Earth Flyby Anomaly. , 2014, , .		2
817	Ionospheric imaging using merged ultraviolet airglow and radio occultation data. Proceedings of SPIE, 2014, , .	0.8	4
818	Implementation of a new ionospheric model (ANIMo) into a three-dimensional variational analysis (3D-Var) for imaging and forecasting purposes. , 2014, , .		0
819	Inductiveâ€dynamic magnetosphereâ€ionosphere coupling via MHD waves. Journal of Geophysical Research: Space Physics, 2014, 119, 530-547.	0.8	12
820	Evaluation of the Modified Picard-Chebyshev Method for High-Precision Orbit Propagation. Journal of Aerospace Engineering, 2015, 28, .	0.8	6
821	Deterministic drift counteraction optimal control and its application to satellite life extension. , 2015, , .		9
822	First tsunami gravity wave detection in ionospheric radio occultation data. Earth and Space Science, 2015, 2, 125-133.	1.1	55
823	Dataâ€driven numerical simulations of equatorial spread F in the Peruvian sector 3: Solstice. Journal of Geophysical Research: Space Physics, 2015, 120, 10,809.	0.8	15
824	Effects of meteoric smoke particles on the <i>D</i> region ion chemistry. Journal of Geophysical Research: Space Physics, 2015, 120, 10,823.	0.8	23

#	ARTICLE	IF	CITATIONS
825	A novel approach to fireball modeling: The observable and the calculated. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1423-1435.	0.7	30
826	Design and Evaluation of a Semi-Empirical Piece-wise Exponential Atmospheric Density Model for CubeSat Applications. , 2015, , .		3
827	E_{\parallel} region electric field dependence of the solar activity. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8934-8941.	0.8	8
828	Thermospheric poleward wind surge at midlatitudes during great storm intervals. <i>Geophysical Research Letters</i> , 2015, 42, 5132-5140.	1.5	59
829	THE SOUTHERN ARGENTINA AGILE METEOR RADAR ORBITAL SYSTEM (SAAMER-OS): AN INITIAL SPORADIC METEOROID ORBITAL SURVEY IN THE SOUTHERN SKY. <i>Astrophysical Journal</i> , 2015, 809, 36.	1.6	43
830	High-energy radiation belt electrons from CRAND. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2912-2917.	0.8	21
831	Assessing the performance of thermospheric modeling with data assimilation throughout solar cycles 23 and 24. <i>Space Weather</i> , 2015, 13, 220-232.	1.3	23
832	Atmospheric neutrino flux calculation using the NRLMSISE-00 atmospheric model. <i>Physical Review D</i> , 2015, 92, .	1.6	175
833	Mechanisms underlying the prereversal enhancement of the vertical plasma drift in the low-latitude ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4950-4970.	0.8	78
834	A new interhemispheric 16-moment model of the plasmasphere-ionosphere system: IPIM. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5728-5745.	0.8	22
835	Measurement and simulation of neutron monitor count rate dependence on surrounding structure. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5253-5265.	0.8	25
836	Virtual array beamforming of GPS TEC observations of coseismic ionospheric disturbances near the Geomagnetic South Pole triggered by teleseismic megathrusts. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9087-9101.	0.8	8
837	Diurnal variation of winter F region ionosphere for solar minimum at both Zhongshan Station, Antarctica, and Svalbard Station, Arctic. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9929-9942.	0.8	4
838	Semiannual and solar activity variations of daytime plasma observed by DEMETER in the ionosphere-plasmasphere transition region. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,640.	0.8	5
839	Evidence for stratospheric sudden warming effects on the upper thermosphere derived from satellite orbital decay data during 1967-2013. <i>Geophysical Research Letters</i> , 2015, 42, 6180-6188.	1.5	29
840	Vibrational-vibrational and vibrational-thermal energy transfers of CO ₂ with N ₂ from MIPAS high-resolution limb spectra. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8002-8022.	1.2	10
841	Modeled and observed equatorial thermospheric winds and temperatures. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5832-5844.	0.8	11
842	A method to predict thermospheric mass density response to geomagnetic disturbances using time-integrated auroral electrojet index. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5746-5757.	0.8	2

#	ARTICLE	IF	CITATIONS
843	Concurrent observations at the magnetic equator of small-scale irregularities and large-scale depletions associated with equatorial spread F^{\prime} . <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,883.	0.8	7
844	Ion upflow dependence on ionospheric density and solar photoionization. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10039-10052.	0.8	16
845	A fast, parameterized model of upper atmospheric ionization rates, chemistry, and conductivity. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4936-4949.	0.8	18
846	Interhemispheric asymmetry of the equatorial ionization anomaly in solstices observed by COSMIC during 2007–2012. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3059-3073.	0.8	43
847	Nighttime atomic oxygen in the mesopause region retrieved from SCIAMACHY O(¹ S) green line measurements and its response to solar cycle variation. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9057-9073.	0.8	17
848	Gravity wave propagation through a vertically and horizontally inhomogeneous background wind. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5931-5950.	1.2	34
849	Comparison of simulated and observed trapped and precipitating electron fluxes during a magnetic storm. <i>Geophysical Research Letters</i> , 2015, 42, 8302-8311.	1.5	24
850	An investigation comparing ground-based techniques that quantify auroral electron flux and conductance. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9038-9056.	0.8	34
851	Impact of the Atmospheric Drag on Starlette, Stella, Ajisai, and Lares Orbits. <i>Artificial Satellites</i> , 2015, 50, 1-18.	0.7	10
852	MCPEPTITA: A Monte Carlo model for Photon, Electron and Positron Tracking In Terrestrial Atmosphere—Application for a terrestrial gamma ray flash. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3970-3986.	0.8	11
853	Atmospheric Drag, Occultation and Ionospheric Scintillation (ADONIS) mission proposal. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A2.	1.1	0
854	Dynamics of density cavities generated by frictional heating: Formation, distortion, and instability. <i>Geophysical Research Letters</i> , 2015, 42, 10,120.	1.5	19
855	Studying the G condition occurrence in different latitudes under solar minimum: Observation and modeling. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 130-131, 132-141.	0.6	2
856	Electron-ion neutral temperatures and their ratio comparisons over low latitude ionosphere. <i>Advances in Space Research</i> , 2015, 56, 2117-2129.	1.2	1
857	Far-field coseismic ionospheric disturbances of Tohoku earthquake. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 135, 12-21.	0.6	15
858	High order transfer maps for perturbed Keplerian motion. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2015, 122, 333-358.	0.5	10
859	Seasonal variability in global eddy diffusion and the effect on neutral density. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3097-3117.	0.8	21
860	Ionospheric response to infrasonic acoustic waves generated by natural hazard events. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8002-8024.	0.8	75

#	ARTICLE	IF	CITATIONS
861	SAMI3/SDaWACCMaX simulations of ionospheric variability during northern winter 2009. <i>Space Weather</i> , 2015, 13, 568-584.	1.3	35
862	Observations of a large-scale gravity wave propagating over an extremely large horizontal distance in the thermosphere. <i>Geophysical Research Letters</i> , 2015, 42, 6560-6565.	1.5	13
863	Modes of high-latitude auroral conductance variability derived from DMSP energetic electron precipitation observations: Empirical orthogonal function analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 11,013.	0.8	37
864	A simulation study of the thermosphere mass density response to substorms using GITM. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7987-8001.	0.8	4
865	The ionospheric responses to the 2011 Tohoku, 2012 Haida Gwaii, and 2010 Chile tsunamis: Effects of tsunami orientation and observation geometry. <i>Earth and Space Science</i> , 2015, 2, 472-483.	1.1	26
866	Economic impact and effectiveness of radiation protection measures in aviation during a ground level enhancement. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A17.	1.1	10
867	A self-consistent model of helium in the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6884-6900.	0.8	31
868	A thermospheric Na layer event observed up to 140%km over Syowa Station (69.0°S, 39.6°E) in Antarctica. <i>Geophysical Research Letters</i> , 2015, 42, 3647-3653.	1.5	28
869	The collapse of the midnight ionosphere and behavior of meridional neutral winds at Townsville over a full solar cycle. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9826-9838.	0.8	4
870	Climatologies of nighttime thermospheric winds and temperatures from Fabry-Perot interferometer measurements: From solar minimum to solar maximum. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6679-6693.	0.8	47
871	Radiative transfer modeling of the OI 135.6Ånm emission in the nighttime ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10116-10135.	0.8	38
872	Ionospheric Electron Density Perturbations Driven by Seismic Tsunami-Excited Gravity Waves: Effect of Dynamo Electric Field. <i>Journal of Marine Science and Engineering</i> , 2015, 3, 1194-1226.	1.2	6
873	The auroral red line polarisation: modelling and measurements. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A26.	1.1	8
874	Assimilation of real-time riometer measurements into models of 30MHz polar cap absorption. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A8.	1.1	20
875	DYNAMICAL METEOROLOGY Atmospheric Tides. , 2015, , 287-297.		15
876	A perspective on the fundamental quality of GPS radio occultation data. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4281-4294.	1.2	8
877	Effects of modeled ionospheric conductance and electron loss on self-consistent ring current simulations during the 5 April 2010 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5355-5376.	0.8	29
878	Modeling the ionospheric impact of tsunami-driven gravity waves with SAMI3: Conjugate effects. <i>Geophysical Research Letters</i> , 2015, 42, 5719-5726.	1.5	38

#	ARTICLE	IF	CITATIONS
879	Numerical model for computation of effective and ambient dose equivalent at flight altitudes. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A10.	1.1	27
880	A model of high-latitude thermospheric density. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7903-7917.	0.8	12
881	Limited impact of escaping photoelectrons on the terrestrial polar wind flux in the polar cap. <i>Geophysical Research Letters</i> , 2015, 42, 3106-3113.	1.5	7
882	Effects of plasma drag on low Earth orbiting satellites due to solar forcing induced perturbations and heating. <i>Advances in Space Research</i> , 2015, 56, 47-56.	1.2	15
883	Thermospheric mass density: A review. <i>Advances in Space Research</i> , 2015, 56, 773-824.	1.2	167
884	Altitude and solar activity dependence of 1967-2005 thermospheric density trends derived from orbital drag. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2940-2950.	0.8	80
885	Analysis of planetary and solar-induced perturbations on trans-Martian trajectory of Mars missions before and after Mars orbit insertion. <i>Indian Journal of Physics</i> , 2015, 89, 1235-1245.	0.9	5
886	What solar and geomagnetic activities does F2-layer critical frequency median correspond to in midlatitudes?. <i>Geomagnetism and Aeronomy</i> , 2015, 55, 326-332.	0.2	4
887	Modeling of Na airglow emission and first results on the nocturnal variation at midlatitude. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,945.	0.8	1
888	Latitudinal variations and altitude profiles of ionospheric parameters: Comparison of theoretical and empirical model results. <i>Russian Journal of Physical Chemistry B</i> , 2015, 9, 764-769.	0.2	1
889	Collinearity assessment of geocentre coordinates derived from multi-satellite SLR data. <i>Journal of Geodesy</i> , 2015, 89, 1197-1216.	1.6	5
890	Time variable Earth's gravity field from SLR satellites. <i>Journal of Geodesy</i> , 2015, 89, 945-960.	1.6	57
891	Analysis of Atmosphere-Breathing Electric Propulsion. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 287-294.	0.6	45
892	Neural Network based calibration of atmospheric density models. <i>Acta Astronautica</i> , 2015, 110, 58-76.	1.7	30
893	Swarm equatorial electric field chain: First results. <i>Geophysical Research Letters</i> , 2015, 42, 673-680.	1.5	38
894	Long-term orbit prediction for Tiangong-1 spacecraft using the mean atmosphere model. <i>Advances in Space Research</i> , 2015, 55, 1432-1444.	1.2	8
895	A new technique for remote sensing of O ₂ density from 140 to 180 km. <i>Geophysical Research Letters</i> , 2015, 42, 233-240.	1.5	3
896	Long-term determination of energetic electron precipitation into the atmosphere from AARDDVARK subionospheric VLF observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2194-2211.	0.8	29

#	ARTICLE	IF	CITATIONS
897	The International Reference Ionosphere â€“ Status 2013. <i>Advances in Space Research</i> , 2015, 55, 1914-1927.	1.2	51
898	Atmospheric Density Reconstruction Using Satellite Orbit Tomography. <i>Journal of Guidance, Control, and Dynamics</i> , 2015, 38, 685-698.	1.6	40
899	Substormâ€“induced energetic electron precipitation: Morphology and prediction. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2993-3008.	0.8	34
900	Modeling the interaction between convection and nonthermal ion outflows. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2353-2362.	0.8	14
901	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.	0.8	10
902	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2754-2766.	0.8	133
903	Night-time light ion transition height behaviour over the Kharkiv (50Â°N, 36Â°E) IS radar during the equinoxes of 2006â€“2010. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 132, 1-12.	0.6	17
904	Dependences of the NmF2 midlatitude statistical characteristics on the month of a year under geomagnetically quiet conditions near noon at low solar activity. <i>Geomagnetism and Aeronomy</i> , 2015, 55, 487-492.	0.2	4
905	Calibrating the scale of the NRLMSISE00 model during solar maximum using the two line elements dataset. <i>Advances in Space Research</i> , 2015, 56, 1-9.	1.2	18
906	Dynamics of vertical ionospheric inhomogeneities over Irkutsk during 06:00â€“06:20UT 11/03/2011 caused by Tohoku earthquake. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 132, 106-115.	0.6	11
907	Optimal propellantless rendez-vous using differential drag. <i>Acta Astronautica</i> , 2015, 109, 112-123.	1.7	28
908	Launch and deployment of distributed small satellite systems. <i>Acta Astronautica</i> , 2015, 114, 65-78.	1.7	54
909	Ground-based IR observation of oxygen isotope ratios in Venus's atmosphere. <i>Planetary and Space Science</i> , 2015, 113-114, 292-297.	0.9	7
910	Contribution of proton and electron precipitation to the observed electron concentration in Octoberâ€“November 2003 and September 2005. <i>Annales Geophysicae</i> , 2015, 33, 381-394.	0.6	17
911	The stratospheric arrival pair in infrasound propagation. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 1846-1856.	0.5	35
912	Modelling waveforms of infrasound arrivals from impulsive sources using weakly non-linear ray theory. <i>Geophysical Journal International</i> , 2015, 200, 1347-1361.	1.0	41
913	Generation of a bending angle radio occultation climatology (BAROCLIM) and its use in radio occultation retrievals. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 109-124.	1.2	12
914	Testing the gravitational interaction in the field of the Earth via satellite laser ranging and the Laser Ranged Satellites Experiment (LARASE). <i>Classical and Quantum Gravity</i> , 2015, 32, 155012.	1.5	43

#	ARTICLE	IF	CITATIONS
915	Atomic oxygen retrievals in the MLT region from SCIAMACHY nightglow limb measurements. Atmospheric Measurement Techniques, 2015, 8, 1021-1041.	1.2	18
916	Investigation of energy transport and thermospheric upwelling during quiet magnetospheric and ionospheric conditions from the studies of low- and middle-altitude cusp. Annales Geophysicae, 2015, 33, 623-635.	0.6	2
917	A Study of Atmospheric Temperature and Wind Profiles Obtained from Rocketsondes in the Chinese Midlatitude Region. Journal of Atmospheric and Oceanic Technology, 2015, 32, 722-735.	0.5	9
918	Day-to-day variability and solar preconditioning of thermospheric temperature over Millstone Hill. Journal of Geophysical Research: Space Physics, 2015, 120, 3913-3927.	0.8	10
919	A study of OI 844.6nm dayglow emission under geomagnetic storm conditions. Advances in Space Research, 2015, 55, 2526-2533.	1.2	0
920	Characteristics and mechanisms of the annual asymmetry of thermospheric mass density. Science China Earth Sciences, 2015, 58, 540-550.	2.3	6
921	Geomagnetically conjugate observation of plasma bubbles and thermospheric neutral winds at low latitudes. Journal of Geophysical Research: Space Physics, 2015, 120, 2222-2231.	0.8	29
922	Comparison of electron concentrations in the ionospheric E-layer maximum in spring conditions obtained by calculations and Moscow ionosonde measurements. Geomagnetism and Aeronomy, 2015, 55, 235-245.	0.2	4
923	Modeling the equatorial and low-latitude ionospheric response to an intense X-class solar flare. Journal of Geophysical Research: Space Physics, 2015, 120, 3021-3032.	0.8	30
924	Interplanetary magnetic field and solar cycle dependence of Northern Hemisphere F_2 region joule heating. Journal of Geophysical Research: Space Physics, 2015, 120, 1478-1487.	0.8	9
925	The annual asymmetry in the F_2 layer during deep solar minimum (2008–2009): December anomaly. Journal of Geophysical Research: Space Physics, 2015, 120, 1341-1354.	0.8	13
926	Vertical evolution of potential energy density and vertical wave number spectrum of Antarctic gravity waves from 35 to 105 km at McMurdo (77.8°S, 166.7°E). Journal of Geophysical Research D: Atmospheres, 2015, 120, 2719-2737.	1.2	41
927	Field-aligned neutral wind bias correction scheme for global ionospheric modeling at midlatitudes by assimilating FORMOSAT-3/COSMIC $h_m F_2$ data under geomagnetically quiet conditions. Journal of Geophysical Research: Space Physics, 2015, 120, 3130-3149.	0.8	21
928	Radar observations of the Maribo fireball over Juliusruh: revised trajectory and meteoroid mass estimation. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1460-1464.	1.6	14
929	New 3D simulations of climate change in the thermosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 2183-2193.	0.8	36
930	End-of-life disposal of high elliptical orbit missions: The case of INTEGRAL. Advances in Space Research, 2015, 56, 479-493.	1.2	22
931	Evidence of the formation of noctilucent clouds due to propagation of an isolated gravity wave caused by a tropospheric occluded front. Geophysical Research Letters, 2015, 42, 2037-2046.	1.5	15
932	Electrodynamics of the equatorial evening ionosphere: 1. Importance of winds in different regions. Journal of Geophysical Research: Space Physics, 2015, 120, 2118-2132.	0.8	45

#	ARTICLE	IF	CITATIONS
933	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.	0.8	20
934	Formation of sporadic-E (Es) layers under the influence of AGWs evolving in a horizontal shear flow. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 136, 163-173.	0.6	8
935	Orbit determination based on meteor observations using numerical integration of equations of motion. <i>Planetary and Space Science</i> , 2015, 117, 223-235.	0.9	33
936	Long-term dynamic modeling of tethered spacecraft using nodal position finite element method and symplectic integration. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2015, 123, 363-386.	0.5	40
937	Fundamental physics in the field of the Earth with the laser ranged satellites experiment (LARASE). , 2015, , .		5
938	Releases of surgically deafened homing pigeons indicate that aural cues play a significant role in their navigational system. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2015, 201, 983-1001.	0.7	14
939	Development of a nanosatellite de-orbiting system by reliability based design optimization. <i>Acta Astronautica</i> , 2015, 117, 469-483.	1.7	2
940	Mean thermospheric density estimation derived from satellite constellations. <i>Advances in Space Research</i> , 2015, 56, 1645-1657.	1.2	6
941	Development of the Microwave Radiometer Technology Acceleration (MiRaTA) CubeSat for all-weather atmospheric sounding. , 2015, , .		9
942	Field-aligned currents influence on the ionospheric electric fields: Modification of the Upper Atmosphere model. <i>Russian Journal of Physical Chemistry B</i> , 2015, 9, 758-763.	0.2	7
943	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. <i>Earth and Space Science</i> , 2015, 2, 1-37.	1.1	103
944	An analysis of very short-arc orbit determination for low-Earth objects using sparse optical and laser tracking data. <i>Advances in Space Research</i> , 2015, 55, 617-629.	1.2	20
945	Ionosphere-thermosphere (IT) response to solar wind forcing during magnetic storms. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A4.	1.1	24
946	Atmospheric Neutrino Flux Calculation with NRLMSISE-00 Atmosphere Model and New Cosmic Ray Observations. , 2016, , .		0
947	Winter Mesospheric Thermal Structure over Tibetan Plateau. <i>EPJ Web of Conferences</i> , 2016, 119, 13010.	0.1	1
948	Effect of the solar activity variation on the Global Ionosphere Thermosphere Model (GITM). <i>Annales Geophysicae</i> , 2016, 34, 725-736.	0.6	5
949	Feasibility study for reconstructing the spatial–temporal structure of TIDs from high–resolution backscatter ionograms. <i>Radio Science</i> , 2016, 51, 443-453.	0.8	4
950	–region ion–neutral coupled chemistry (Sodankyl– Ion Chemistry,) Tj ETQq1 1 0.784314 rgB (/) WACCM-rSIC. <i>Geoscientific Model Development</i> , 2016, 9, 3123-3136.	1.3	16

#	ARTICLE	IF	CITATIONS
951	New temperature and pressure retrieval algorithm for high-resolution infrared solar occultation spectroscopy: analysis and validation against ACE-FTS and COSMIC. Atmospheric Measurement Techniques, 2016, 9, 1063-1082.	1.2	3
952	High-latitude ion temperature climatology during the International Polar Year 2007â€“2008. Journal of Space Weather and Space Climate, 2016, 6, A35.	1.1	3
953	Interpretation of deformed ionograms induced by vertical ground motion of seismic Rayleigh waves and infrasound in the thermosphere. Annales Geophysicae, 2016, 34, 271-278.	0.6	12
954	Improved forecasting of thermospheric densities using multi-model ensembles. Geoscientific Model Development, 2016, 9, 2279-2292.	1.3	16
955	Variations in Mesospheric Neutral Densities from Rayleigh Lidar Observations at Utah State University. EPJ Web of Conferences, 2016, 119, 13006.	0.1	3
956	Early Temperatures Observed with the Extremely Sensitive Rayleigh Lidar at Utah State University. EPJ Web of Conferences, 2016, 119, 13007.	0.1	2
957	Modulation of Atmospheric Nonisothermality and Wind Shears on the Propagation of Seismic Tsunami-Excited Gravity Waves. Journal of Marine Science and Engineering, 2016, 4, 4.	1.2	1
958	Atmospheric Layers in Response to the Propagation of Gravity Waves under Nonisothermal, Wind-shear, and Dissipative Conditions. Journal of Marine Science and Engineering, 2016, 4, 25.	1.2	7
959	Mesospheric gravity wave characteristics and identification of their sources around spring equinox over Indian low latitudes. Atmospheric Measurement Techniques, 2016, 9, 93-102.	1.2	10
960	Ionosonde tracking of infrasound wavefronts in the thermosphere launched by seismic waves after the 2010 <i>M</i>8.8 Chile earthquake. Journal of Geophysical Research: Space Physics, 2016, 121, 2683-2692.	0.8	23
961	Evidence of dispersion and refraction of a spectrally broad gravity wave packet in the mesopause region observed by the Na lidar and Mesospheric Temperature Mapper above Logan, Utah. Journal of Geophysical Research D: Atmospheres, 2016, 121, 579-594.	1.2	26
962	Model CRAC:EPIL for atmospheric ionization due to precipitating electrons: Yield function and applications. Journal of Geophysical Research: Space Physics, 2016, 121, 1736-1743.	0.8	18
963	Day-to-day variability in the thermosphere and its impact on plasmasphere refilling. Journal of Geophysical Research: Space Physics, 2016, 121, 6889-6900.	0.8	9
964	The Propagation of Tsunami-Generated Acousticâ€“Gravity Waves in the Atmosphere. Journals of the Atmospheric Sciences, 2016, 73, 3025-3036.	0.6	7
965	Thermospheric parameters long-term variations retrieved from ionospheric observations in Europe. Journal of Geophysical Research: Space Physics, 2016, 121, 11,574.	0.8	8
966	Development of a data-verified ionospheric model with an ionosonde network. Journal of the Korean Physical Society, 2016, 68, 1359-1370.	0.3	3
967	Including sheath effects in the interpretation of planar retarding potential analyzerâ€™s low-energy ion data. Review of Scientific Instruments, 2016, 87, 043504.	0.6	16
968	Observation and modeling of gravity wave propagation through reflection and critical layers above Andes Lidar Observatory at Cerro PachÃ³n, Chile. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,737.	1.2	11

#	ARTICLE	IF	CITATIONS
969	Properties of solar activity and ionosphere for solar cycle 25. <i>Geomagnetism and Aeronomy</i> , 2016, 56, 742-749.	0.2	1
970	Comparison between observation and simulation of sodium LGS return flux with a 20W CW laser on Tenerife. <i>Proceedings of SPIE</i> , 2016, , .	0.8	5
971	A framework for the casualty risk assessment and lifetime determination of small satellites. , 2016, , .		1
972	Geomagnetic activity that corresponds to the median of the F2-layer critical frequency at various latitudes. <i>Geomagnetism and Aeronomy</i> , 2016, 56, 572-576.	0.2	3
973	A theoretical investigation on the parametric instability excited by X-mode polarized electromagnetic wave at TromsÅ. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3578-3591.	0.8	10
974	Monte Carlo simulation of the neutron monitor yield function. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7435-7448.	0.8	31
975	Midlatitude ionospheric changes to four great geomagnetic storms of solar cycle 23 in Southern and Northern Hemispheres. <i>Space Weather</i> , 2016, 14, 1155-1171.	1.3	10
976	Non-thermal hydrogen atoms in the terrestrial upper thermosphere. <i>Nature Communications</i> , 2016, 7, 13655.	5.8	25
977	Rethinking the polar cap: Eccentric dipole structuring of ULF power at the highest corrected geomagnetic latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8475-8507.	0.8	5
978	On the fresh development of equatorial plasma bubbles around the midnight hours of June solstice. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9051-9062.	0.8	40
979	A model providing long-term data sets of energetic electron precipitation during geomagnetic storms. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,520.	1.2	63
980	Ballistic Coefficient Estimation for Low Altitude Debris Objects from Two-Line Element Data. , 2016, , .		0
981	Orbit Information of Predetermined Accuracy and its Sharing in the SST Context. , 2016, , .		0
982	Neutron monitor yield function for solar neutrons: A new computation. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 117-128.	0.8	5
983	A case study of long gravity wave crests in noctilucent clouds and their origin in the upper tropospheric jet stream. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,102.	1.2	16
984	Alfvén waves as a solar-interplanetary driver of the thermospheric disturbances. <i>Scientific Reports</i> , 2016, 6, 18895.	1.6	18
985	Validation of Earth atmosphere models using solar EUV observations from the CORONAS and PROBA2 satellites in occultation mode. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A7.	1.1	2
986	Modeling the interference environment in the HF band. <i>Radio Science</i> , 2016, 51, 82-90.	0.8	16

#	ARTICLE	IF	CITATIONS
987	Detection of regional infrasound signals using array data: Testing, tuning, and physical interpretation. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 239-259.	0.5	14
988	A new source of the midlatitude ionospheric peak density structure revealed by a new ionosphere-Plasmasphere model. <i>Geophysical Research Letters</i> , 2016, 43, 2429-2435.	1.5	37
989	In situ measurement of atomic oxygen flux using a silver film sensor onboard the TianTu-1 nanosatellite. <i>Advances in Space Research</i> , 2016, 57, 281-288.	1.2	5
990	An ionospheric assimilation model along a meridian plane. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 145, 125-135.	0.6	0
991	Implications of the atmospheric density profile in the processing of fireball observations. <i>Planetary and Space Science</i> , 2016, 120, 35-42.	0.9	27
992	Electron collisions in atmospheres. <i>International Reviews in Physical Chemistry</i> , 2016, 35, 297-351.	0.9	67
993	Tether Dynamics Analysis and Guidance and Control Design for Active Space-Debris Removal. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 1232-1243.	1.6	41
994	Finite-difference numerical modelling of gravitoacoustic wave propagation in a windy and attenuating atmosphere. <i>Geophysical Journal International</i> , 2016, 206, 308-327.	1.0	13
995	An Earth-grazing fireball from the Daytime η -Perseid shower observed over Spain on 2012 June 10. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 917-922.	1.6	8
996	Long-term monthly statistics of mid-latitude NmF2 in the northern geographic hemisphere during geomagnetically quiet and steadily low solar activity conditions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 142, 83-97.	0.6	8
997	Spacecraft Rendezvous by Differential Drag Under Uncertainties. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 1721-1733.	1.6	34
998	Comparative Analysis of Satellite Aerodynamics and Its Application to Space-Object Identification. <i>Journal of Spacecraft and Rockets</i> , 2016, 53, 876-886.	1.3	4
999	Ionospheric F_2 region perturbed by the 25 April 2015 Nepal earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5778-5784.	0.8	38
1000	Spacecraft relative guidance via spatio-temporal resolution in atmospheric density forecasting. <i>Acta Astronautica</i> , 2016, 129, 32-43.	1.7	5
1001	f_oF_2 long-term trend linked to Earth's magnetic field secular variation at a station under the northern crest of the equatorial ionization anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 719-726.	0.8	5
1002	Thermospheric mass density measurement from precise orbit ephemeris. <i>Geodesy and Geodynamics</i> , 2016, 7, 210-215.	1.0	7
1003	Improving the twilight model for polar cap absorption nowcasts. <i>Space Weather</i> , 2016, 14, 950-972.	1.3	10
1004	Thermospheric atomic oxygen concentrations from WINDII O+(2P+2D) 732 nm emission: Comparisons with the NRLMSISE-00 and C-AM models and with GUVI observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 147, 50-58.	0.6	7

#	ARTICLE	IF	CITATIONS
1005	Optimization of an orbital long-duration rendezvous mission. <i>Aerospace Science and Technology</i> , 2016, 58, 482-489.	2.5	9
1006	Intercalibration of neutral density measurements for mapping the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5975-5990.	0.8	26
1007	Equatorial E region electric fields at the dip equator: 1. Variabilities in eastern Brazil and Peru. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,220.	0.8	6
1008	Comparison of F 1 layer critical frequency between recent two solar minimums. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9090-9098.	0.8	1
1009	Mesospheric ozone destruction by high-energy electron precipitation associated with pulsating aurora. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,852.	1.2	69
1010	Characteristics of mesospheric gravity waves over the southeastern Tibetan Plateau region. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9204-9221.	0.8	17
1011	Measurements of general relativity precessions in the field of the Earth with laser-ranged satellites and the LARASE program. , 2016, , .		3
1012	Ionospheric total electron content: Spatial patterns of variability. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,367.	0.8	29
1014	Solar activity index for long-term ionospheric forecasts. <i>Cosmic Research</i> , 2016, 54, 1-7.	0.2	10
1015	Stochastic simulation of inner radiation belt electron decay by atmospheric scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1249-1262.	0.8	17
1016	How uncertainty in the neutral wind limits the accuracy of ionospheric modeling and forecasting. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 519-528.	0.8	7
1017	A directional HF noise model: Calibration and validation in the Australian region. <i>Radio Science</i> , 2016, 51, 25-39.	0.8	21
1018	IONONEST—A Bayesian approach to modeling the lower ionosphere. <i>Radio Science</i> , 2016, 51, 1332-1349.	0.8	1
1019	Multimodel comparison of the ionosphere variability during the 2009 sudden stratosphere warming. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7204-7225.	0.8	34
1020	Production of cosmogenic isotopes ⁷ Be, ¹⁰ Be, ¹⁴ C, ²² Na, and ³⁶ Cl in the atmosphere: Altitudinal profiles of yield functions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8125-8136.	1.2	96
1021	The Tiny Ionospheric Photometer (TIP) on the Constellation Observing System for Meteorology, Ionosphere, and Climate (COSMIC/FORMOSAT-3). <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,614-10,622.	0.8	8
1022	Can atomic oxygen production explain the ionospheric annual asymmetry?. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7238-7244.	0.8	14
1023	Geomagnetic control of the midlatitude daytime f_oF_1 and f_oF_2 long-term variations: Physical interpretation using European observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7193-7203.	0.8	18

#	ARTICLE	IF	CITATIONS
1024	The interaction between infrasonic waves and gravity wave perturbations: Application to observations using UTTR Rocket Motor Fuel Elimination Events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5585-5600.	1.2	25
1025	The plasmasphere electron content paradox. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8924-8935.	0.8	9
1026	The role of accelerometer data calibration within GRACE gravity field recovery: Results from ITSG-Grace2016. <i>Advances in Space Research</i> , 2016, 58, 1597-1609.	1.2	76
1027	Altitudinal dependence of meteor radio afterglows measured via optical counterparts. <i>Geophysical Research Letters</i> , 2016, 43, 8885-8892.	1.5	11
1028	f _o F ₂ vs solar indices for the Rome station: Looking for the best general relation which is able to describe the anomalous minimum between cycles 23 and 24. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 148, 13-21.	0.6	38
1029	Spectral distribution of gravity wave momentum fluxes over the Antarctic Peninsula from Concordiasi superpressure balloon data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7509-7527.	1.2	8
1030	Effect of time-dependent ∇n electron density gradients on high angle of incidence HF radiowave propagation. <i>Radio Science</i> , 2016, 51, 1131-1141.	0.8	10
1031	Impacts of SABER CO ₂ -based eddy diffusion coefficients in the lower thermosphere on the ionosphere/thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 12,080.	0.8	24
1032	Dependence of the neutron monitor count rate and time delay distribution on the rigidity spectrum of primary cosmic rays. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,620.	0.8	28
1036	Comparative aeronomy: Molecular ionospheres at Earth and Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,269-10,288.	0.8	7
1037	Joule heating hot spot at high latitudes in the afternoon sector. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7135-7152.	0.8	11
1038	Where does the plasmasphere begin? Revisit to topside ionospheric profiles in comparison with plasmaspheric TEC from Jason-1. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,091-10,102.	0.8	7
1039	<i>F</i> ₂ region response to geomagnetic disturbances across Indian latitudes: O(¹ S) dayglow emission. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2595-2620.	0.8	3
1040	Thermospheric hydrogen response to increases in greenhouse gases. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3545-3554.	0.8	8
1041	Disturbance zonal and vertical plasma drifts in the Peruvian sector during solar minimum phases. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2503-2521.	0.8	21
1042	Evidence and effects of the sunrise enhancement of the equatorial vertical plasma drift in the <i>F</i> ₂ region ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4826-4834.	0.8	17
1043	Quantifying the inversion accuracy of simplified physical models for the nighttime OI 135.6Ånm emission. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5805-5814.	0.8	9
1044	Gravity field models derived from Swarm GPS data. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	26

#	ARTICLE	IF	CITATIONS
1045	Neutral density estimation derived from meteoroid measurements using high-power, large-aperture radar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8023-8037.	1.2	2
1046	The strength and hemispheric asymmetry of Equatorial Ionization Anomaly during two geomagnetic storms in 2013 from Global Ionosphere Map and SAMI2. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 146, 101-109.	0.6	5
1047	Chaotic Motion of a Reentry Capsule During Descent into the Atmosphere. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 1834-1843.	1.6	5
1048	Thermosphere variation at different altitudes over the northern polar cap during magnetic storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 146, 140-148.	0.6	8
1049	The importance of neutral hydrogen for the maintenance of the midlatitude winter nighttime ionosphere: Evidence from IS observations at Kharkiv, Ukraine, and field line interhemispheric plasma model simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7013-7025.	0.8	14
1050	LSWS linked with the low-latitude E and its implications for the growth of the R instability. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6986-7000.	0.8	11
1051	Localized field-aligned currents in the polar cap associated with airglow patches. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,172-10,189.	0.8	14
1052	A two-dimensional global simulation study of inductive-dynamic magnetosphere-ionosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,861.	0.8	12
1053	Space-based imaging of nighttime medium-scale traveling ionospheric disturbances using FORMOSAT-2/ISUAL 630.0nm airglow observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4769-4781.	0.8	15
1054	Resonance vibrations of the Ross Ice Shelf and observations of persistent atmospheric waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,157.	0.8	13
1055	Influence of ion outflow in coupled geospace simulations: 1. Physics-based ion outflow model development and sensitivity study. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9671-9687.	0.8	24
1056	Small-scale fluctuations in barium drifts at high latitudes and associated Joule heating effects. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 779-789.	0.8	6
1057	Parametric instability induced by X-mode wave heating at EISCAT. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,536-10,548.	0.8	11
1058	Advances in remote sensing of the daytime ionosphere with EUV airglow. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9284-9292.	0.8	11
1059	A Combined Rotational Raman-Rayleigh Lidar for Atmospheric Temperature Measurements Over 5-80 km With Self-Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 7055-7065.	2.7	12
1060	FILTERING METEOROID FLIGHTS USING MULTIPLE UNSCENTED KALMAN FILTERS. <i>Astronomical Journal</i> , 2016, 152, 148.	1.9	4
1061	New modes and mechanisms of thermospheric mass density variations from GRACE accelerometers. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,191.	0.8	34
1062	Influence of uncertainties of the empirical models for inferring the E-region electric fields at the dip equator. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	9

#	ARTICLE	IF	CITATIONS
1063	Change in turbopause altitude at 52 and 70° N. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2299-2308.	1.9	14
1064	Intermittency of gravity wave momentum flux in the mesopause region observed with an all-sky airglow imager. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 650-663.	1.2	17
1065	MIPAS observations of longitudinal oscillations in the mesosphere and the lower thermosphere: climatology of odd-parity daily frequency modes. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11019-11041.	1.9	6
1066	Atmospheric changes caused by galactic cosmic rays over the period 1960–2010. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5853-5866.	1.9	26
1067	ECMWF SSW forecast evaluation using infrasound. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4637-4650.	1.2	29
1068	Mathematical model for estimation of meteoroid dark flight trajectory. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
1069	Determining places of falling of launch vehicle fragments using infrasonic observations. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2016, 52, 629-636.	0.2	3
1070	Dynamic and Thermal Processes in the Mid-Latitude Ionosphere over Kharkov, Ukraine (49.6° N, 36.3° E), During the 13–15 November 2012 Magnetic Storm: Calculation Results. <i>Acta Geophysica</i> , 2016, 64, 2717-2733.	1.0	1
1071	Ionospheric effects of magnetospheric and thermospheric disturbances on March 17–19, 2015. <i>Geomagnetism and Aeronomy</i> , 2016, 56, 557-571.	0.2	18
1072	The vertical propagation of disturbances triggered by seismic waves of the 11 March 2011 M _w 9.0 Tohoku earthquake over Taiwan. <i>Geophysical Research Letters</i> , 2016, 43, 1759-1765.	1.5	63
1073	Measurement and modeling of the refilling plasmasphere during 2001. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2226-2248.	0.8	13
1074	Estimation of mesopause temperatures at low latitudes using the Kunming meteor radar. <i>Radio Science</i> , 2016, 51, 130-141.	0.8	21
1075	Influence of Atmospheric Solar Radiation Absorption on Photodestruction of Ions at D-Region Altitudes of the Ionosphere. <i>Surveys in Geophysics</i> , 2016, 37, 811-844.	2.1	6
1076	A multi-spacecraft formation approach to space debris surveillance. <i>Acta Astronautica</i> , 2016, 127, 491-504.	1.7	34
1077	Aerodynamic resistance in upper atmosphere: case of the last stage Delta rocket fall in Argentina. <i>Computational and Applied Mathematics</i> , 2016, 35, 727-737.	1.3	1
1078	LightForce photon-pressure collision avoidance: Efficiency analysis in the current debris environment and long-term simulation perspective. <i>Acta Astronautica</i> , 2016, 126, 411-423.	1.7	13
1079	Spaceborne laser filamentation for atmospheric remote sensing. <i>Laser and Photonics Reviews</i> , 2016, 10, 481-493.	4.4	45
1080	Photochemical response of the nighttime mesosphere to electric field heating—Recovery of electron density enhancements. <i>Geophysical Research Letters</i> , 2016, 43, 952-960.	1.5	12

#	ARTICLE	IF	CITATIONS
1081	Electrodynamic structure of the morning high-latitude trough region. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2669-2682.	0.8	8
1082	Photochemical response of the nighttime mesosphere to electric field heating—Onset of electron density enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4782-4799.	0.8	5
1083	First measurement of horizontal wind and temperature in the lower thermosphere (105–140 km) with a Na Lidar at Andes Lidar Observatory. <i>Geophysical Research Letters</i> , 2016, 43, 2374-2380.	1.5	48
1084	Extending the SPeAD-M86 Model: Incorporating the Effects of F10.7 Variations on Atmospheric Density. , 2016, , .		0
1085	Libration and transverse dynamic stability control of flexible bare electrodynamic tether systems in satellite deorbit. <i>Aerospace Science and Technology</i> , 2016, 49, 112-129.	2.5	32
1086	Contribution of cosmic ray particles to radiation environment at high mountain altitude: Comparison of Monte Carlo simulations with experimental data. <i>Journal of Environmental Radioactivity</i> , 2016, 153, 15-22.	0.9	11
1087	On the polarization relations of diurnal and semidiurnal tide in the mesopause region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 142, 60-71.	0.6	10
1088	Sufficient conditions of Rayleigh-Taylor stability and instability in equatorial ionosphere. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2016, 37, 181-192.	1.9	4
1089	The IXV vehicle model identification subsystem: Off-line estimation framework. <i>Acta Astronautica</i> , 2016, 124, 118-131.	1.7	0
1090	Earth's Atmosphere. , 2016, , 13-46.		2
1091	Differential Drag-Based Reference Trajectories for Spacecraft Relative Maneuvering Using Density Forecast. <i>Journal of Spacecraft and Rockets</i> , 2016, 53, 234-239.	1.3	15
1092	Tether Dynamics Analysis for Active Space Debris Removal. , 2016, , .		2
1093	Libration Control of Bare Electrodynamic Tethers Considering Elastic—Thermal—Electrical Coupling. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 642-654.	1.6	29
1094	WINDII on UARS in the context of SCISAT and Odin. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 186, 40-51.	1.1	1
1095	Temperature characteristics at altitudes of 5–80 km with a self-calibrated Rayleigh—rotational Raman lidar: A summer case study. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 188, 94-102.	1.1	10
1096	Development of a mobile Doppler lidar system for wind and temperature measurements at 30–70 km. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 188, 52-59.	1.1	18
1097	The Special Sensor Ultraviolet Limb Imager instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2674-2685.	0.8	9
1098	On the contribution of thermal excitation to the total 630.0 nm emissions in the northern cusp ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1234-1245.	0.8	3

#	ARTICLE	IF	CITATIONS
1099	Volcanic tremor and plume height hysteresis from Pavlof Volcano, Alaska. <i>Science</i> , 2017, 355, 45-48.	6.0	56
1100	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.	0.8	57
1101	Data Analysis of Upper Atmosphere Temperature Detected by Sounding Rockets in China. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 555-565.	0.5	3
1102	Saturation effects of the lower ionosphere based on two-dimensional HF heating model. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 874-890.	0.8	2
1103	An optimal parametrization framework for infrasonic tomography of the stratospheric winds using non-local sources. <i>Geophysical Journal International</i> , 2017, 208, 1557-1566.	1.0	9
1104	The geocoronal responses to the geomagnetic disturbances. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1269-1276.	0.8	23
1105	ANALYZING METEOROID FLIGHTS USING PARTICLE FILTERS. <i>Astronomical Journal</i> , 2017, 153, 87.	1.9	10
1106	GPS detection of ionospheric Rayleigh wave and its source following the 2012 Haida Gwaii earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1360-1372.	0.8	30
1107	Mesospheric temperatures estimated from the meteor radar observations at Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2249-2259.	0.8	21
1108	Numerical modeling of a multiscale gravity wave event and its airglow signatures over Mount Cook, New Zealand, during the DEEPWAVE campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 846-860.	1.2	33
1109	Anisotropic fluid modeling of ionospheric upflow: Effects of low-altitude anisotropy and thermospheric winds. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 808-827.	0.8	7
1110	Ionospheric effects of St. Patrick's storm over Asian Russia: 17-19 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2484-2504.	0.8	28
1111	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
1112	PFISR observation of intense ion upflow fluxes associated with an SED during the 1 June 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2589-2604.	0.8	19
1113	Seasonal variation of gravity wave parameters using different filter methods with daylight lidar measurements at midlatitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2683-2695.	1.2	21
1114	Parametric study of density cavities caused by ion outflow in the topside ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 156, 37-49.	0.6	3
1115	Traveling ionospheric disturbances over the United States induced by gravity waves from the 2011 Tohoku tsunami and comparison with gravity wave dissipative theory. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3430-3447.	0.8	58
1116	International Reference Ionosphere 2016: From ionospheric climate to real-time weather predictions. <i>Space Weather</i> , 2017, 15, 418-429.	1.3	751

#	ARTICLE	IF	CITATIONS
1117	Luminous efficiency estimates of meteors -I. Uncertainty analysis. Planetary and Space Science, 2017, 143, 71-77.	0.9	22
1118	Semi-empirical thermosphere model evaluation at low altitude with GOCE densities. Journal of Space Weather and Space Climate, 2017, 7, A4.	1.1	15
1119	Atmospheric dayglow diagnostics involving the O ₂ (<i>EX</i>) Atmospheric band emission: Global Oxygen and Temperature (GOAT) mapping. Journal of Geophysical Research: Space Physics, 2017, 122, 3640-3649.	0.8	12
1120	The leading role of atomic oxygen in the collocation of elves and hydroxyl nightglow in the low-latitude mesosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5550-5567.	0.8	7
1121	Formation mechanisms of neutral Fe layers in the thermosphere at Antarctica studied with a thermosphere-ionosphere Fe/Fe ⁺ (TIFe) model. Journal of Geophysical Research: Space Physics, 2017, 122, 6812-6848.	0.8	34
1122	Modeling the daytime energy balance of the topside ionosphere at middle latitudes. Journal of Geophysical Research: Space Physics, 2017, 122, 5733-5742.	0.8	4
1123	Depletion of mesospheric sodium during extended period of pulsating aurora. Journal of Geophysical Research: Space Physics, 2017, 122, 1212-1220.	0.8	5
1124	Environmental effect of space debris repositioning. Advances in Space Research, 2017, 60, 28-37.	1.2	7
1125	Estimation of ballistic coefficients of space debris using the ratios between different objects. Chinese Journal of Aeronautics, 2017, 30, 1204-1216.	2.8	4
1126	Atmospheric scattering effects on ground-based measurements of thermospheric vertical wind, horizontal wind, and temperature. Journal of Geophysical Research: Space Physics, 2017, 122, 7654-7669.	0.8	17
1127	Meteor radar observations of vertically propagating low-frequency inertia-gravity waves near the southern polar mesopause region. Journal of Geophysical Research: Space Physics, 2017, 122, 4777-4800.	0.8	12
1128	Nonmigrating tidal impact on the CO ₂ 15 μ m infrared cooling of the lower thermosphere during solar minimum conditions. Journal of Geophysical Research: Space Physics, 2017, 122, 6761-6775.	0.8	5
1129	Energetic electron precipitation and auroral morphology at the substorm recovery phase. Journal of Geophysical Research: Space Physics, 2017, 122, 6508-6527.	0.8	20
1130	Hybrid simulations of coupled Farley-Buneman/gradient drift instabilities in the equatorial <i>E</i> region ionosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5768-5781.	0.8	8
1131	Space Applications. , 2017, , 933-964.		5
1132	The non-storm time corrugated upper thermosphere: What is beyond MSIS?. Space Weather, 2017, 15, 746-760.	1.3	14
1133	Perigee Attitude Maneuvers of Geostationary Satellites During Electric Orbit Raising. Journal of Guidance, Control, and Dynamics, 2017, 40, 1978-1989.	1.6	3
1134	Computational Modeling of Meteor-Generated Ground Pressure Signatures. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
1135	Estimation of atmospheric parameters for determining dispersion ellipses of space rocket fragments. <i>Russian Meteorology and Hydrology</i> , 2017, 42, 299-304.	0.2	0
1136	Investigation of the causes of the longitudinal variation of the electron density in the Weddell Sea Anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6562-6583.	0.8	23
1137	A study of the nonlinear response of the upper atmosphere to episodic and stochastic acoustic-gravity wave forcing. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1178-1198.	0.8	15
1138	Numerical prediction of meteoric infrasound signatures. <i>Planetary and Space Science</i> , 2017, 140, 11-20.	0.9	8
1139	New density estimates derived using accelerometers on board the CHAMP and GRACE satellites. <i>Space Weather</i> , 2017, 15, 558-576.	1.3	92
1140	Thermosphere-Ionosphere-Electrodynamics General Circulation Model for the Ionospheric Connection Explorer: TIEGCM-ICON. <i>Space Science Reviews</i> , 2017, 212, 523-551.	3.7	74
1141	The January 7, 2015, superbolide over Romania and structural diversity of meter-sized asteroids. <i>Planetary and Space Science</i> , 2017, 143, 147-158.	0.9	29
1142	Evaluation of the performance of ionospheric models at solar maximum using COSMIC slant TEC measurements. <i>Radio Science</i> , 2017, 52, 378-388.	0.8	2
1143	An exospheric temperature model from CHAMP thermospheric density. <i>Space Weather</i> , 2017, 15, 343-351.	1.3	17
1144	Possible Fengyun-1C debris fall. <i>Advances in Space Research</i> , 2017, 59, 2563-2571.	1.2	0
1145	Model simulations of ion and electron density profiles in ionospheric E and F regions. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2505-2529.	0.8	7
1146	Model improvements and validation of TerraSAR-X precise orbit determination. <i>Journal of Geodesy</i> , 2017, 91, 547-562.	1.6	40
1147	Attitude coordination of multiple spacecraft for space debris surveillance. <i>Advances in Space Research</i> , 2017, 59, 1270-1288.	1.2	12
1148	Middle atmosphere dynamical sources of the semiannual oscillation in the thermosphere and ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 12-21.	1.5	81
1149	Variations of the meteor echo heights at Beijing and Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1117-1127.	0.8	16
1150	Thermospheric density estimation and responses to the March 2013 geomagnetic storm from GRACE GPS-determined precise orbits. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 154, 167-179.	0.6	22
1151	Observation of tsunami-generated ionospheric signatures over Hawaii caused by the 16 September 2015 Illapel earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1128-1136.	0.8	15
1152	SAMI3-RCM simulation of the 17 March 2015 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1246-1257.	0.8	33

#	ARTICLE	IF	CITATIONS
1153	Thermosphere Global Time Response to Geomagnetic Storms Caused by Coronal Mass Ejections. Journal of Geophysical Research: Space Physics, 2017, 122, 10,762.	0.8	33
1154	Global Ionospheric and Thermospheric Effects of the June 2015 Geomagnetic Disturbances: Multi-Instrumental Observations and Modeling. Journal of Geophysical Research: Space Physics, 2017, 122, 11716-11742.	0.8	60
1156	SAMI3_ICON: Model of the Ionosphere/Plasmasphere System. Space Science Reviews, 2017, 212, 731-742.	3.7	27
1157	Space Launch Vehicle Design with Simultaneous Optimization of Thrust Profile and Trajectory. , 2017, ,		1
1158	A study of the middle atmospheric thermal structure over western India: Satellite data and comparisons with models. Advances in Space Research, 2017, 60, 2402-2413.	1.2	1
1159	Characteristics of Seasonal Variation and Solar Activity Dependence of the Geomagnetic Solar Quiet Daily Variation. Journal of Geophysical Research: Space Physics, 2017, 122, 10,796.	0.8	13
1160	Long-term variations of exospheric temperature inferred from $FO_{1.3}$ observations: A comparison to ISR T_i trend estimates. Journal of Geophysical Research: Space Physics, 2017, 122, 8883-8892.	0.8	10
1161	Interplanetary Coronal Mass Ejection effects on thermospheric density as inferred from International Space Station orbital data. Advances in Space Research, 2017, 60, 2233-2251.	1.2	2
1162	Equatorial Ionospheric Response to Different Estimated Disturbed Electric Fields as Investigated Using Sheffield University Plasmasphere Ionosphere Model at INPE. Journal of Geophysical Research: Space Physics, 2017, 122, 10,511.	0.8	6
1163	Aspect dependence of Langmuir parametric instability excitation observed by EISCAT. Geophysical Research Letters, 2017, 44, 9124-9133.	1.5	5
1164	CEDAR-GEM Challenge for Systematic Assessment of Ionosphere/Thermosphere Models in Predicting TEC During the 2006 December Storm Event. Space Weather, 2017, 15, 1238-1256.	1.3	17
1165	Thermospheric mass density derived from CHAMP satellite precise orbit determination data based on energy balance method. Science China Earth Sciences, 2017, 60, 1495-1506.	2.3	10
1166	Monte Carlo performance studies for the site selection of the Cherenkov Telescope Array. Astroparticle Physics, 2017, 93, 76-85.	1.9	34
1167	Observation and simulation of the ionosphere disturbance waves triggered by rocket exhausts. Journal of Geophysical Research: Space Physics, 2017, 122, 8868-8882.	0.8	16
1168	Medium-scale traveling ionospheric disturbances triggered by Super Typhoon Nepartak (2016). Geophysical Research Letters, 2017, 44, 7569-7577.	1.5	51
1169	Concentric traveling ionospheric disturbances triggered by the launch of a SpaceX Falcon 9 rocket. Geophysical Research Letters, 2017, 44, 7578-7586.	1.5	36
1170	Ionospheric electron heating associated with pulsating auroras: A Swarm survey and model simulation. Journal of Geophysical Research: Space Physics, 2017, 122, 8781-8807.	0.8	11
1171	Neutral wind and density perturbations in the thermosphere created by gravity waves observed by the TIDBIT sounder. Journal of Geophysical Research: Space Physics, 2017, 122, 6652-6678.	0.8	17

#	ARTICLE	IF	CITATIONS
1172	Locations Where Space Weather Energy Impacts the Atmosphere. <i>Space Science Reviews</i> , 2017, 212, 1041-1067.	3.7	5
1173	A methodology for reduced order modeling and calibration of the upper atmosphere. <i>Space Weather</i> , 2017, 15, 1270-1287.	1.3	36
1174	Ionospheric&thermospheric UV tomography: 3. A multisensor technique for creating full&orbit reconstructions of atmospheric UV emission. <i>Radio Science</i> , 2017, 52, 896-916.	0.8	3
1175	Stationary depletions in thermospheric atomic oxygen concentration and mass density observed with WINDII, GUVI, GOCE and simulated by NRLMSISE-00. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 164, 29-38.	0.6	4
1176	Numerical study of heating the upper atmosphere by acoustic-gravity waves from a local source on the Earth's surface and influence of this heating on the wave propagation conditions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 164, 89-96.	0.6	23
1177	Impact of M&solar flare&induced solar proton event on mesospheric Na layer over Utah (41.8&N,112&W). <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8808-8815.	0.8	3
1178	Nonlinear programming control using differential aerodynamic drag for CubeSat formation flying. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2017, 18, 867-881.	1.5	6
1179	Tsunami modeling with solid Earth&ocean&atmosphere coupled normal modes. <i>Geophysical Journal International</i> , 2017, 211, 1119-1138.	1.0	16
1180	Redistribution of H atoms in the upper atmosphere during geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,686.	0.8	17
1181	Modeling polar region atmospheric ionization induced by the giant solar storm on 20 January 2005. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7946-7955.	0.8	4
1182	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. <i>Space Science Reviews</i> , 2017, 212, 383-408.	3.7	105
1183	Evaluation of a method to derive ionospheric conductivities using two auroral emissions (428 and) Tj ETQq1 1 0.784314 rgBT /Overlook	0.9	7
1184	Ionospheric&thermospheric UV tomography: 2. Comparison with incoherent scatter radar measurements. <i>Radio Science</i> , 2017, 52, 357-366.	0.8	8
1185	Space Dust Collisions as a Planetary Escape Mechanism. <i>Astrobiology</i> , 2017, 17, 1274-1282.	1.5	15
1186	Nonlinear Gravity Wave Forcing as a Source of Acoustic Waves in the Mesosphere, Thermosphere, and Ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 12,020.	1.5	16
1187	Airglow in the Earth atmosphere: basic characteristics and excitation mechanisms. <i>ChemTexts</i> , 2017, 3, 1.	1.0	9
1188	Refinement of bolide characteristics from infrasound measurements. <i>Planetary and Space Science</i> , 2017, 143, 169-181.	0.9	10
1189	Global modeling of thermospheric airglow in the far ultraviolet. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7834-7848.	0.8	71

#	ARTICLE	IF	CITATIONS
1190	The MIGHTI Wind Retrieval Algorithm: Description and Verification. <i>Space Science Reviews</i> , 2017, 212, 585-600.	3.7	74
1191	Spread F modeling over Brazil. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 161, 98-104.	0.6	2
1192	Study of high energy phenomena from near space using low-cost meteorological balloons. <i>Experimental Astronomy</i> , 2017, 43, 311-338.	1.6	8
1193	Results of the first continuous meteor head echo survey at polar latitudes. <i>Icarus</i> , 2017, 297, 1-13.	1.1	26
1194	Sentinel-1A " First precise orbit determination results. <i>Advances in Space Research</i> , 2017, 60, 879-892.	1.2	63
1195	Bayesian Inference of Nongravitational Perturbations from Satellite Observations. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 1231-1240.	1.6	1
1196	Propulsion options for very low Earth orbit microsattelites. <i>Acta Astronautica</i> , 2017, 133, 444-454.	1.7	52
1197	Propagation of atmospheric density errors to satellite orbits. <i>Advances in Space Research</i> , 2017, 59, 147-165.	1.2	32
1198	Global climatology based on the ACE-FTS version 3.5 dataset: Addition of mesospheric levels and carbon-containing species in the UTLS. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 186, 52-62.	1.1	26
1199	Study of atomic oxygen greenline dayglow emission in thermosphere during geomagnetic storm conditions. <i>Advances in Space Research</i> , 2017, 59, 302-310.	1.2	7
1200	An Idealized Method of Simulating Residual Ionospheric Errors in Radio Occultation. <i>Scientific Reports</i> , 2017, 7, 16632.	1.6	4
1201	Equatorward propagating auroral arcs driven by ULF wave activity: Multipoint ground- and space-based observations in the dusk sector auroral oval. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5591-5605.	0.8	17
1202	Observations of Dramatic Enhancements to the Mesospheric K Layer. <i>Geophysical Research Letters</i> , 2017, 44, 12,536.	1.5	11
1203	Removal of Large Space Debris by a Tether Tow. , 2017, , 255-356.		1
1204	Vertical Thermospheric Density Profiles From EUV Solar Occultations Made by PROBA2 LYRA for Solar Cycle 24. <i>Space Weather</i> , 2017, 15, 1649-1660.	1.3	7
1205	Polarimetric Analysis of the Long Duration Gamma-Ray Burst GRB 160530A With the Balloon Borne Compton Spectrometer and Imager. <i>Astrophysical Journal</i> , 2017, 848, 119.	1.6	30
1206	Calculating the absorption of HF radio waves in the ionosphere. <i>Radio Science</i> , 2017, 52, 767-783.	0.8	35
1207	Long-term variations of the upper atmosphere parameters on Rome ionosonde observations and their interpretation. <i>Journal of Space Weather and Space Climate</i> , 2017, 7, A21.	1.1	7

#	ARTICLE	IF	CITATIONS
1208	Ecliptic North-South Symmetry of Hydrogen Geocorona. <i>Geophysical Research Letters</i> , 2017, 44, 11,706.	1.5	30
1209	Constraining Balmer Alpha Fine Structure Excitation Measured in Geocoronal Hydrogen Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,727-10,747.	0.8	3
1210	Short-period mesospheric gravity waves and their sources at the South Pole. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 911-919.	1.9	10
1211	A Numerical Investigation on Tidal and Gravity Wave Contributions to the Summer Time Na Variations in the Midlatitude E Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,577.	0.8	28
1212	Estimation of the Tropospheric Wet Delay of Radio waves Based on a Model and Microwave Radiometry Data. <i>Radiophysics and Quantum Electronics</i> , 2017, 60, 200-206.	0.1	2
1213	Improvement and verification of satellite dynamics simulator based on flight data analysis. , 2017, , .		11
1214	Simulation of Internal Gravity Wave Propagation Due to Sudden Stratospheric Warming. <i>Russian Journal of Physical Chemistry B</i> , 2017, 11, 1028-1032.	0.2	2
1215	Exceptionally strong summer-like zonal wind reversal in the upper mesosphere during winter 2015/16. <i>Annales Geophysicae</i> , 2017, 35, 711-720.	0.6	46
1216	Spatial and temporal variability in MLT turbulence inferred from in situ and ground-based observations during the WADIS-1 sounding rocket campaign. <i>Annales Geophysicae</i> , 2017, 35, 547-565.	0.6	18
1217	Site Characterization of the Northern Site of the Cherenkov Telescope Array. <i>EPJ Web of Conferences</i> , 2017, 144, 01010.	0.1	4
1218	Comparison of the GOSAT TANSO-FTS TIR CH ₄ volume mixing ratio vertical profiles with those measured by ACE-FTS, ESA MIPAS, IMK-IAA MIPAS, and 16 NDACC stations. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3697-3718.	1.2	10
1219	A numerical code for the simulation of non-equilibrium chemically reacting flows on hybrid CPU-GPU clusters. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	12
1220	Magnetic ripples observed by Swarm satellites and their enhancement during typhoon activity. <i>Earth, Planets and Space</i> , 2017, 69, .	0.9	10
1221	Autonomously Blended Passive and Active control for a CubeSat-class science mission. , 2017, , .		0
1222	High-Latitude Neutral Mass Density Maxima. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,694.	0.8	7
1223	Unusual behavior of quiet-time zonal and vertical plasma drift velocities over Jicamarca during the recent extended solar minimum of 2008. <i>Annales Geophysicae</i> , 2017, 35, 1219-1229.	0.6	3
1224	Climatology of thermospheric neutral winds over Oukaïmeden Observatory in Morocco. <i>Annales Geophysicae</i> , 2017, 35, 161-170.	0.6	21
1225	Reentry Attitude Dynamics. , 2017, , 25-125.		0

#	ARTICLE	IF	CITATIONS
1226	Solar forcing for CMIP6 (v3.2). <i>Geoscientific Model Development</i> , 2017, 10, 2247-2302.	1.3	293
1227	Retrieval of nitric oxide in the mesosphere from SCIAMACHY nominal limb spectra. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 209-220.	1.2	8
1228	Pitch Angle Dependence of Energetic Electron Precipitation: Energy Deposition, Backscatter, and the Bounce Loss Cone. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2412-2423.	0.8	26
1229	Atmospheric density determination using high-accuracy satellite GPS data. <i>Science China Technological Sciences</i> , 2018, 61, 204-211.	2.0	3
1230	Neoclassical Diffusion of Radiation Belt Electrons Across Very Low Energy Shells. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2884-2901.	0.8	19
1231	Coupled nature of evening-time ionospheric electrodynamics. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	0.5	0
1232	Multistage Angular Momentum Management for Space Station Attitude Control. <i>IEEE Access</i> , 2018, 6, 15075-15086.	2.6	2
1233	Daytime O/N2 Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	19
1234	Ionosphere and Thermosphere Responses to Extreme Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 493-511.		4
1235	How Might the Thermosphere and Ionosphere React to an Extreme Space Weather Event?. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 513-539.		4
1236	Aerosols and seismo-ionosphere coupling: A review. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 171, 83-93.	0.6	16
1237	HDMR-Based Sensitivity Analysis and Uncertainty Quantification of GOCE Aerodynamics Using DSMC. <i>Journal of Spacecraft and Astronautics</i> , 2018, 19, 301-323.	0.3	1
1238	Thermospheric Variations From GNSS and Accelerometer Measurements on Small Satellites. <i>Proceedings of the IEEE</i> , 2018, 106, 484-495.	16.4	13
1239	High-Latitude Neutral Density Structures Investigated by Utilizing Multi-Instrument Satellite Data and NRLMSISE-00 Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1663-1677.	0.8	2
1240	A Comparative Study of Spectral Auroral Intensity Predictions From Multiple Electron Transport Models. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 993-1005.	0.8	13
1241	Surface waves magnitude estimation from ionospheric signature of Rayleigh waves measured by Doppler sounder and OTH radar. <i>Scientific Reports</i> , 2018, 8, 1555.	1.6	11
1242	Origins of the Thermosphere-Ionosphere Semiannual Oscillation: Reformulating the Thermospheric Spoon Mechanism. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 931-954.	0.8	33
1243	Gigantic Circular Shock Acoustic Waves in the Ionosphere Triggered by the Launch of FORMOSAT-5 Satellite. <i>Space Weather</i> , 2018, 16, 172-184.	1.3	28

#	ARTICLE	IF	CITATIONS
1244	Investigation of the Electron Density Variation During the 21 August 2017 Solar Eclipse. Geophysical Research Letters, 2018, 45, 1253-1261.	1.5	29
1245	Tsunami Wave Height Estimation from GPS-derived Ionospheric Data. Journal of Geophysical Research: Space Physics, 2018, 123, 4329-4348.	0.8	28
1246	Incorporating Solar Activity into General Perturbation Analysis of Atmospheric Friction. Journal of Guidance, Control, and Dynamics, 2018, 41, 1320-1336.	1.6	2
1247	Effects of space weather on the ionosphere and LEO satellites' orbital trajectory in equatorial, low and middle latitude. Advances in Space Research, 2018, 61, 1880-1889.	1.2	6
1248	Ionospheric Bow Wave Induced by the Moon Shadow Ship Over the Continent of United States on 21 August 2017. Geophysical Research Letters, 2018, 45, 538-544.	1.5	43
1249	The Unknown Hydrogen Exosphere: Space Weather Implications. Space Weather, 2018, 16, 205-215.	1.3	20
1250	Analysis of Uncertainties and Modeling in Short-Term Reentry Predictions. Journal of Guidance, Control, and Dynamics, 2018, 41, 1276-1289.	1.6	8
1251	Storm Time Variation of Radiative Cooling by Nitric Oxide as Observed by TIMED'S SABER and GUVI. Journal of Geophysical Research: Space Physics, 2018, 123, 1500-1514.	0.8	12
1252	Luminous Efficiency Estimates of Meteors. II. Application to Canadian Automated Meteor Observatory Meteor Events. Astronomical Journal, 2018, 155, 88.	1.9	21
1253	Temporal Variability of Atomic Hydrogen From the Mesopause to the Upper Thermosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 1006-1017.	0.8	19
1254	Conceptual Design of an Air-Breathing Electric Thruster for CubeSat Applications. Journal of Spacecraft and Rockets, 2018, 55, 632-639.	1.3	22
1255	Causes of the mid-latitude daytime NmF2 semi-annual anomaly at solar minimum. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 169, 6-15.	0.6	4
1256	Effect of geomagnetic storm conditions on the equatorial ionization anomaly and equatorial temperature anomaly. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 168, 8-20.	0.6	4
1257	June Solstice Equatorial Spread F_{min} in the American Sector: A Numerical Assessment of Linear Stability Aided by Incoherent Scatter Radar Measurements. Journal of Geophysical Research: Space Physics, 2018, 123, 755-767.	0.8	13
1258	Uncertainty propagation for statistical impact prediction of space debris. Advances in Space Research, 2018, 61, 167-181.	1.2	8
1259	Modeling of the Ionospheric Current System and Calculating Its Contribution to the Earth's Magnetic Field. Astrophysics and Space Science Library, 2018, , 263-292.	1.0	2
1260	Relative positioning of formation-flying spacecraft using single-receiver GPS carrier phase ambiguity fixing. GPS Solutions, 2018, 22, 1.	2.2	15
1261	Effects of Uncertainties in the Atmospheric Density on the Probability of Collision Between Space Objects. Space Weather, 2018, 16, 519-537.	1.3	37

#	ARTICLE	IF	CITATIONS
1262	Evolution of Field-Aligned Electron and Ion Densities From Whistler Mode Radio Soundings During Quiet to Moderately Active Period and Comparisons With SAMI2 Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1356-1380.	0.8	2
1263	Estimation of Mesospheric Densities at Low Latitudes Using the Kunming Meteor Radar Together With SABER Temperatures. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3183-3195.	0.8	12
1264	High- and Middle-Latitude Neutral Mesospheric Density Response to Geomagnetic Storms. <i>Geophysical Research Letters</i> , 2018, 45, 436-444.	1.5	23
1265	Effects of Uncertainties in Electric Field Boundary Conditions for Ring Current Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 638-652.	0.8	9
1266	How Often Do Thermally Excited 630.0 nm Emissions Occur in the Polar Ionosphere?. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 698-710.	0.8	4
1267	Evidence for Radiative Recombination of O^{+} Ions as a Significant Source of O 844.6 nm Emission Excitation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3078-3086.	0.8	0
1268	Responses of Solar Irradiance and the Ionosphere to an Intense Activity Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2116-2126.	0.8	8
1269	A New Method of Physics-Based Data Assimilation for the Quiet and Disturbed Thermosphere. <i>Space Weather</i> , 2018, 16, 736-753.	1.3	55
1270	Partially Ionized Plasmas in Astrophysics. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	102
1271	Temporal evolution of the EIA along 95°E as obtained from GNSS TEC measurements and SAMI3 model. <i>Advances in Space Research</i> , 2018, 61, 2837-2853.	1.2	5
1272	System analysis and test-bed for an atmosphere-breathing electric propulsion system using an inductive plasma thruster. <i>Acta Astronautica</i> , 2018, 147, 114-126.	1.7	45
1273	On the Occurrence of Afternoon Counter Electrojet Over Indian Longitudes During June Solstice in Solar Minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2204-2214.	0.8	8
1274	Using the attitude response of aerostable spacecraft to measure thermospheric wind. <i>CEAS Space Journal</i> , 2018, 10, 101-113.	1.1	3
1275	Recent developments in the understanding of equatorial ionization anomaly: A review. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 171, 3-11.	0.6	50
1276	On the importance of an atmospheric reference model: A case study on gravity wave-airglow interactions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 171, 260-268.	0.6	3
1277	Precise orbit determination of the Sentinel-3A altimetry satellite using ambiguity-fixed GPS carrier phase observations. <i>Journal of Geodesy</i> , 2018, 92, 711-726.	1.6	89
1278	Calibration and Validation of Swarm Plasma Densities and Electron Temperatures Using Ground-Based Radars and Satellite Radio Occultation Measurements. <i>Radio Science</i> , 2018, 53, 15-36.	0.8	95
1279	Simultaneous lidar observation of peculiar sporadic K and Na layers at São José dos Campos (23.1°S). <i>TJ ETQq</i> 1, 2, 0.784314 rgBT		7

#	ARTICLE	IF	CITATIONS
1280	Calibration of atmospheric density model using two-line element data. <i>Astrodynamics</i> , 2018, 2, 13-24.	1.5	3
1281	Retrieval of Lower Thermospheric Temperatures from O2 A Band Emission: The MIGHTI Experiment on ICON. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	26
1282	Optimal Earth's reentry disposal of the Galileo constellation. <i>Advances in Space Research</i> , 2018, 61, 1097-1120.	1.2	15
1283	VLBI observations to the APOD satellite. <i>Advances in Space Research</i> , 2018, 61, 823-829.	1.2	6
1284	Ion production and ionization effect in the atmosphere during the Bastille day GLE 59 due to high energy SEPs. <i>Advances in Space Research</i> , 2018, 61, 316-325.	1.2	13
1285	A Seismo-acoustic Analysis of the 2017 North Korean Nuclear Test. <i>Seismological Research Letters</i> , 2018, 89, 2025-2033.	0.8	26
1286	Observations of Spatial Variations in O/N ₂ During an Auroral Substorm Using the Multichannel Downlooking Camera on the VISIONS Rocket. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7089-7105.	0.8	0
1287	Simultaneous Rayleigh-Scatter and Sodium Resonance Lidar Temperature Comparisons in the Mesosphere-Lower Thermosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,688.	1.2	8
1288	Seismo-ionospheric Observations, Modeling, and Backprojection of the 2016 Kaikōura Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1794-1806.	1.1	18
1289	Detailed Analysis of Aerodynamic Effect on Small Satellites. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2018, 16, 432-440.	0.1	1
1290	Features of the formation of regions with enhanced electron temperature in the subauroral ionosphere in different periods of solar activity. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
1291	Lidar temperature series in the middle atmosphere as a reference data set – Part 1: Improved retrievals and a 20-year cross-validation of two co-located French lidars. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5531-5547.	1.2	20
1292	The European Infrasound Bulletin. <i>Pure and Applied Geophysics</i> , 2018, 175, 3619-3638.	0.8	19
1293	Aspect Dependence of Parametric Instability Excitation by X-mode at EISCAT. , 2018, , .		0
1294	Evaluating Different Techniques for Constraining Lower Atmospheric Variability in an Upper Atmosphere General Circulation Model: A Case Study During the 2010 Sudden Stratospheric Warming. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 3076-3102.	1.3	11
1295	Dynamic Initialization for Whole Atmospheric Global Modeling. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2096-2120.	1.3	4
1296	Continuous Doppler sounding of the ionosphere during solar flares. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	12
1297	Comparison of rayleigh-scatter and sodium resonance lidar temperatures. <i>EPJ Web of Conferences</i> , 2018, 176, 03005.	0.1	0

#	ARTICLE	IF	CITATIONS
1298	Ionospheric Conductance Spatial Distribution During Geomagnetic Field Reversals. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2379-2397.	0.8	8
1299	Study on the construction of low ionosphere physical model in mid-low latitude. , 2018, , .		0
1300	Review of the generation mechanisms of post-midnight irregularities in the equatorial and low-latitude ionosphere. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	61
1301	The MUSCLES Treasury Survey. V. FUV Flares on Active and Inactive M Dwarfs* . <i>Astrophysical Journal</i> , 2018, 867, 71.	1.6	95
1302	First Time Estimation of Thermospheric Neutral Density Profiles From Seed Perturbations of ESF Triggering: A Novel Evidence for Ionosphere Thermosphere Coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,254.	0.8	1
1303	Inversion of Meteor Rayleigh Waves on Earth and Modeling of Air Coupled Rayleigh Waves on Mars. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	5
1304	Snakes on a Spaceship—An Overview of Python in Heliophysics. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,384.	0.8	28
1305	Review and comparison of empirical thermospheric mass density models. <i>Progress in Aerospace Sciences</i> , 2018, 103, 31-51.	6.3	26
1306	Variations of the 630.0nm airglow emission with meridional neutral wind and neutral temperature around midnight. <i>Annales Geophysicae</i> , 2018, 36, 1471-1481.	0.6	5
1307	Modulation of Low-Altitude Ionospheric Upflow by Linear and Nonlinear Atmospheric Gravity Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7650-7667.	0.8	6
1308	A New Method to Retrieve Thermospheric Parameters From Daytime Bottom-Side Ne(h) Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,200.	0.8	16
1309	Understanding the Global Variability in Thermospheric Nitric Oxide Flux Using Empirical Orthogonal Functions (EOFs). <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4150-4170.	0.8	20
1310	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
1311	Numerical simulation of oblique ionospheric heating by powerful radio waves. <i>Annales Geophysicae</i> , 2018, 36, 855-866.	0.6	4
1312	Nonparametric H Density Estimation Based on Regularized Nonlinear Inversion of the Lyman Alpha Emission in Planetary Atmospheres. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8641-8648.	0.8	6
1313	On ionic contributions to Pedersen conductance. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,310.	0.8	2
1314	Multiinstrument Studies of Thermospheric Weather Above Alaska. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9836-9861.	0.8	14
1315	Characteristics of infrasound signals from North Korean underground nuclear explosions on 2016 January 6 and September 9. <i>Geophysical Journal International</i> , 2018, 214, 1865-1885.	1.0	16

#	ARTICLE	IF	CITATIONS
1316	The First Comparison Between Swarm's Accelerometer-Derived Thermospheric Densities and Physical and Empirical Model Estimates. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5068-5086.	0.8	8
1317	Retrieval of atmospheric mass densities in lower thermosphere below 200 km from precise orbit of re-entry object CZ-3B R/B by analytical and numerical methods. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	0.5	1
1318	An Updated Model Providing Long-Term Data Sets of Energetic Electron Precipitation, Including Zonal Dependence. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9891-9915.	1.2	37
1319	Comparison of the Thermospheric Nitric Oxide Emission Observations and the GITM Simulations: Sensitivity to Solar and Geomagnetic Activities. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,239.	0.8	4
1320	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.	0.8	25
1321	An empirical model of the thermospheric mass density derived from CHAMP satellite. <i>Annales Geophysicae</i> , 2018, 36, 1141-1152.	0.6	8
1322	Density disturbance of small-scale field-aligned irregularities in the ionosphere heating experiments. <i>Plasma Science and Technology</i> , 2018, 20, 125001.	0.7	0
1323	Detection of Impact Points of Fragments of Spent Launch Vehicle Stages Using Infrasound Direction-Finding Methods. <i>Seismic Instruments</i> , 2018, 54, 387-400.	0.0	0
1324	Unusual Generation of Localized EPB in the Dawn Sector Triggered by a Moderate Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9697-9710.	0.8	13
1325	Long-Term Distribution of Meteors in a Solar Cycle Period Observed by VHF Meteor Radars at Near-Equatorial Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,403.	0.8	3
1326	On the short-term variability of turbulence and temperature in the winter mesosphere. <i>Annales Geophysicae</i> , 2018, 36, 1099-1116.	0.6	2
1327	Calibration of GRACE Accelerometers Using Two Types of Reference Accelerations. <i>International Association of Geodesy Symposia</i> , 2018, , 97-104.	0.2	0
1328	Ionospheric O + Momentum Balance Through Charge Exchange With Thermospheric O Atoms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9743-9761.	0.8	7
1329	Photocurrent modelling and experimental confirmation for meteoric smoke particle detectors on board atmospheric sounding rockets. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5299-5314.	1.2	2
1330	Correlations Between the Thermosphere's Semiannual Density Variations and Infrared Emissions Measured With the SABER Instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8850-8864.	0.8	11
1331	Validation of Ionospheric Specifications During Geomagnetic Storms: TEC and foF2 During the 2013 March Storm Event. <i>Space Weather</i> , 2018, 16, 1686-1701.	1.3	22
1332	Sino-InSpace: A Digital Simulation Platform for Virtual Space Environments. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 373.	1.4	3
1333	Upper atmospheres of terrestrial planets: Carbon dioxide cooling and the Earth's thermospheric evolution. <i>Astronomy and Astrophysics</i> , 2018, 617, A107.	2.1	50

#	ARTICLE	IF	CITATIONS
1334	Dark Matter that Interacts with Baryons: Density Distribution within the Earth and New Constraints on the Interaction Cross-section. <i>Astrophysical Journal</i> , 2018, 866, 111.	1.6	26
1335	Modelling the measurement accuracy of pre-atmosphere velocities of meteoroids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4307-4319.	1.6	38
1336	Space Weather Modeling Capabilities Assessment: Neutral Density for Orbit Determination at low Earth orbit. <i>Space Weather</i> , 2018, 16, 1806-1816.	1.3	28
1337	Effective Computational Approach for Prediction and Estimation of Space Object Breakup Dispersion during Uncontrolled Reentry. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-16.	0.5	3
1338	Extreme geomagnetic and optical disturbances over Irkutsk during the 2003 November 20 superstorm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 181, 68-78.	0.6	16
1339	Over-The-Horizon Radar (OTHR) In Canada. , 2018, , .		2
1340	Toward development of the energetic particle radiation nowcast model for assessing the radiation environment in the altitude range from that used by the commercial aviation in the troposphere to LEO, MEO, and GEO. , 2018, , .		1
1341	Mesoscale <i>F</i> Region Neutral Winds Associated With Quasi-steady and Transient Nightside Auroral Forms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7968-7984.	0.8	15
1342	Major upwelling and overturning in the mid-latitude F region ionosphere. <i>Nature Communications</i> , 2018, 9, 3326.	5.8	32
1343	Modeling of Atmospheric Tides with Account of Diurnal Variations of Ionospheric Conductivity. <i>Russian Journal of Physical Chemistry B</i> , 2018, 12, 576-589.	0.2	7
1344	Radiation Belt Slot Region Filling Events: Sustained Energetic Precipitation Into the Mesosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7999-8020.	0.8	16
1345	Spatial and Temporal Response of Equatorial Ionization Anomaly to the 17 March 2015 Storm from Global Ionosphere Map. <i>Wuhan University Journal of Natural Sciences</i> , 2018, 23, 429-437.	0.2	1
1346	Mars Thermospheric Variability Revealed by MAVEN EUVM Solar Occultations: Structure at Aphelion and Perihelion and Response to EUV Forcing. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2248-2269.	1.5	26
1347	Influence of Solar Activity on Penetration of Traveling Planetary-scale Waves From the Troposphere Into the Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6888-6903.	0.8	10
1348	Storm Time Total Electron Content Modeling Over African Low-latitude and Midlatitude Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7889-7905.	0.8	12
1349	High-Frequency Over-the-Horizon Radar in Canada. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1700-1704.	1.4	24
1350	Reply to Comment by Zhang et al. on the Paper "Long-Term Variations of Exospheric Temperature Inferred From $F_{10.7}$ Observations: A Comparison to ISR Ti Trend Estimates" by Perrone and Mikhailov. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8895-8907.	0.8	6
1351	Investigation of the Causes of the Longitudinal and Solar Cycle Variation of the Electron Density in the Bering Sea and Weddell Sea Anomalies. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7825-7842.	0.8	9

#	ARTICLE	IF	CITATIONS
1352	The Global Numerical Model of the Earth's Upper Atmosphere. , 2018, , .		1
1353	Mechanisms for varying non-LTE contributions to OH rotational temperatures from measurements and modelling. II. Kinetic model. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 175, 100-119.	0.6	6
1354	Comments on "Long-Term Variations of Exospheric Temperature Inferred From foF1 Observations: A Comparison to ISR Trend Estimates" by Perrone and Mikhailov. Journal of Geophysical Research: Space Physics, 2018, 123, 4467-4473.	0.8	7
1355	Assessment of infrasound signals recorded on seismic stations and infrasound arrays in the western United States using ground truth sources. Geophysical Journal International, 2018, 213, 1608-1628.	1.0	6
1356	High-Latitude Observations of a Localized Wind Wall and Its Coupling to the Lower Thermosphere. Geophysical Research Letters, 2018, 45, 4586-4593.	1.5	7
1357	Upper Atmosphere Heating From Ocean-Generated Acoustic Wave Energy. Geophysical Research Letters, 2018, 45, 5144-5150.	1.5	14
1358	Updated SABER Night Atomic Oxygen and Implications for SABER Ozone and Atomic Hydrogen. Geophysical Research Letters, 2018, 45, 5735-5741.	1.5	44
1359	Observation of Kelvin-Helmholtz instabilities and gravity waves in the summer mesopause above Andenes in Northern Norway. Atmospheric Chemistry and Physics, 2018, 18, 6721-6732.	1.9	18
1360	Latitude-dependent delay in the responses of the equatorial electrojet and currents to X-class solar flares. Annales Geophysicae, 2018, 36, 139-147.		3
1361	Neutralized solar wind ahead of the Earth's magnetopause as contribution to non-thermal exospheric hydrogen. Annales Geophysicae, 2018, 36, 445-457.	0.6	4
1362	Seasonal variations of thermospheric mass density at dawn/dusk from GOCE observations. Annales Geophysicae, 2018, 36, 489-496.	0.6	11
1363	Time-variable gravity fields and ocean mass change from 37 months of kinematic Swarm orbits. Solid Earth, 2018, 9, 323-339.	1.2	38
1364	The edge of space: Revisiting the Karman Line. Acta Astronautica, 2018, 151, 668-677.	1.7	43
1365	The frequency of window damage caused by bolide airbursts: A quarter century case study. Meteoritics and Planetary Science, 2018, 53, 1413-1431.	0.7	5
1366	Retrieval of O_2 and O_2^+ (O_2^+) and O_2 (O_2^+) volume emission rates in the mesosphere and lower thermosphere using SCIAMACHY MLT limb scans. Atmospheric Measurement Techniques, 2018, 11, 473-487.	1.2	12
1367	New insights for mesospheric OH: multi-quantum vibrational relaxation as a driver for non-local thermodynamic equilibrium. Annales Geophysicae, 2018, 36, 13-24.	0.6	10
1368	Simultaneous 6300 Å... airglow and radar observations of ionospheric irregularities and dynamics at the geomagnetic equator. Annales Geophysicae, 2018, 36, 473-487.	0.6	12
1369	Polar Topside Ionosphere During Geomagnetic Storms: Comparison of ISIS With TDIM. Radio Science, 2018, 53, 906-920.	0.8	1

#	ARTICLE	IF	CITATIONS
1370	Study on command attitude law for refracted starlight observation in SINS/RCNS integrated navigation. <i>Advances in Space Research</i> , 2018, 62, 721-731.	1.2	6
1371	Derivation of the Energy and Flux Morphology in an Aurora Observed at Midlatitude Using Multispectral Imaging. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4257-4271.	0.8	6
1372	Aerodynamics in Low LEO: A Novel Approach to Modeling Air Density Based on IGS TEC Maps. <i>Springer Theses</i> , 2018, , 111-130.	0.0	1
1373	Auroral Ionospheric E Region Parameters Obtained From Satellite-Based Far Ultraviolet and Ground-Based Ionosonde Observations: Data, Methods, and Comparisons. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6065-6089.	0.8	9
1374	Self-Consistent Modeling of Electron Precipitation and Responses in the Ionosphere: Application to Low-Altitude Energization During Substorms. <i>Geophysical Research Letters</i> , 2018, 45, 6371-6381.	1.5	25
1375	Ionospheric Disturbances Triggered by SpaceX Falcon Heavy. <i>Geophysical Research Letters</i> , 2018, 45, 6334-6342.	1.5	16
1376	IPIM Modeling of the Ionospheric F_2 Layer Depletion at High Latitudes During a High-Speed Stream Event. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7051-7066.	0.8	7
1377	FIRI-2018, an Updated Empirical Model of the Lower Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6737-6751.	0.8	44
1378	Photometric Data from Nonresolved Objects for Improved Drag and Reentry Prediction. <i>Journal of Spacecraft and Rockets</i> , 2018, 55, 959-970.	1.3	3
1379	Empirical values of branching ratios in the three-body recombination reaction for $O(1S)$ and $O_2(0,0)$ airglow chemistry. <i>Advances in Space Research</i> , 2018, 62, 2679-2691.	1.2	6
1380	Lidar Observations of Stratospheric Gravity Waves From 2011 to 2015 at McMurdo ($77.84^\circ S$, $166.69^\circ E$), Antarctica: 2. Potential Energy Densities, Lognormal Distributions, and Seasonal Variations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7910-7934.	1.2	33
1381	Propagation of non-stationary acoustic-gravity waves at thermospheric temperatures corresponding to different solar activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 172, 100-106.	0.6	9
1382	Electron Energy Spectrum and Auroral Power Estimation From Incoherent Scatter Radar Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6865-6887.	0.8	7
1383	Seasonal Propagation Characteristics of MSTIDs Observed at High Latitudes Over Central Alaska Using the Poker Flat Incoherent Scatter Radar. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5717-5737.	0.8	12
1384	Long-Term Validation of TerraSAR-X and TanDEM-X Orbit Solutions with Laser and Radar Measurements. <i>Remote Sensing</i> , 2018, 10, 762.	1.8	16
1385	Semianalytical Estimation of Energy Deposition in the Ionosphere by Monochromatic Alfvén Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5210-5222.	0.8	12
1386	Coupling of semiannual and annual variations in the SuperMAG SML and SMU indices. <i>Planetary and Space Science</i> , 2018, 158, 87-95.	0.9	2
1387	The Dingle Dell meteorite: A Halloween treat from the Main Belt. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2212-2227.	0.7	31

#	ARTICLE	IF	CITATIONS
1388	Longitudinal Structure of the Midlatitude Ionosphere Using COSMIC Electron Density Profiles. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8766-8777.	0.8	13
1389	Summer Noontime f_{oF2} Long-Term Trends Inferred From f_{oF1} and f_{oF2} Ionosonde Observations in Europe. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6703-6713.	0.8	4
1390	Theory, modeling, and integrated studies in the Arase (ERG) project. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	11
1391	Measurements of Ion-Neutral Coupling in the Auroral F Region in Response to Increases in Particle Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3900-3918.	0.8	10
1392	Gas-Dynamic General Circulation Model of the Lower and Middle Atmosphere of the Earth. <i>Mathematical Models and Computer Simulations</i> , 2018, 10, 176-185.	0.1	12
1393	Ionospheric Specification and Space Weather Forecasting With an HF Beacon Network in the Peruvian Sector. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6851-6864.	0.8	7
1394	Calibration of Empirical Models of Thermospheric Density Using Satellite Laser Ranging Observations to Near-Earth Orbiting Spherical Satellites. <i>International Association of Geodesy Symposia</i> , 2018, , 119-127.	0.2	1
1395	Unified atmospheric neutrino passing fractions for large-scale neutrino telescopes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 047-047.	1.9	22
1396	Particle Simulation of Plasma Drag Force Generation in the Magnetic Plasma Deorbit. <i>Journal of Spacecraft and Rockets</i> , 2018, 55, 1074-1082.	1.3	9
1397	Verification of the Flow Regimes Based on High-fidelity Observations of Bright Meteors. <i>Astrophysical Journal</i> , 2018, 863, 174.	1.6	14
1398	Recognition of Meteor Showers From the Heights of Ionization Trails. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7067-7076.	0.8	6
1399	Threshold of parametric instability in the ionospheric heating experiments. <i>Plasma Science and Technology</i> , 2018, 20, 115301.	0.7	1
1400	Meteor Radar Temperatures Over the Brazilian Low-Latitude Sectors. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7755-7766.	0.8	6
1401	Coincident Observations by the Kharkiv IS Radar and Ionosonde, DMSP and Arase (ERG) Satellites, and FLIP Model Simulations: Implications for the NRLMSISE-00 Hydrogen Density, Plasmasphere, and Ionosphere. <i>Geophysical Research Letters</i> , 2018, 45, 8062-8071.	1.5	17
1402	Seasonal and Solar Cycle Variations of Thermally Excited 630.0nm Emissions in the Polar Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7029-7039.	0.8	2
1403	The Excitation of Secondary Gravity Waves From Local Body Forces: Theory and Observation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9296-9325.	1.2	85
1404	Parameters of the Geomagnetic Activity, Thermosphere, and Ionosphere for the Ultimately Intense Magnetic Storm. <i>Geomagnetism and Aeronomy</i> , 2018, 58, 501-508.	0.2	0
1405	MIPAS observations of ozone in the middle atmosphere. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2187-2212.	1.2	11

#	ARTICLE	IF	CITATIONS
1406	Comparison of the Mesopause Temperature Measured at Different-Latitude Stations. Russian Journal of Physical Chemistry B, 2018, 12, 538-542.	0.2	0
1407	Comparison of accelerometer data calibration methods used in thermospheric neutral density estimation. Annales Geophysicae, 2018, 36, 761-779.	0.6	18
1408	South-Atlantic Anomaly magnetic storms effects as observed outside the International Space Station in 2008â€”2016. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 251-260.	0.6	8
1409	A New Transformative Framework for Data Assimilation and Calibration of Physical Ionosphereâ€”Thermosphere Models. Space Weather, 2018, 16, 1086-1100.	1.3	19
1410	Analysis of the September Î¼-Perseid outburst in 2013. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2501-2507.	1.6	8
1411	Correct Boundary Conditions for the High-Resolution Model of Nonlinear Acoustic-Gravity Waves Forced by Atmospheric Pressure Variations. Pure and Applied Geophysics, 2018, 175, 3639-3652.	0.8	14
1412	Comparison of the Ionosphere During an SMC Initiating Substorm and an Isolated Substorm. Journal of Geophysical Research: Space Physics, 2018, 123, 4939-4951.	0.8	5
1413	Regional infrasound generated by the Humming Roadrunner ground truth experiment. Geophysical Journal International, 2018, 214, 1847-1864.	1.0	21
1414	Reduced dynamic and kinematic precise orbit determination for the Swarm mission from 4Â½years of GPS tracking. GPS Solutions, 2018, 22, 1.	2.2	56
1416	The assessment of the semi-analytical method in the long-term orbit prediction of Earth satellites. Chinese Astronomy and Astrophysics, 2018, 42, 239-266.	0.1	1
1417	Towards thermospheric density estimation from SLR observations of LEO satellites: a case study with ANDE-Pollux satellite. Journal of Geodesy, 2019, 93, 353-368.	1.6	10
1418	High-fidelity geometry models for improving the consistency of CHAMP, GRACE, GOCE and Swarm thermospheric density data sets. Advances in Space Research, 2019, 63, 213-238.	1.2	58
1419	IonoSeis: A Package to Model Coseismic Ionospheric Disturbances. Atmosphere, 2019, 10, 443.	1.0	8
1420	CHAMP and GOCE thermospheric wind characterization with improved gas-surface interactions modelling. Advances in Space Research, 2019, 64, 1225-1242.	1.2	25
1421	The Response of the Ionosphereâ€”Thermosphere System to the 21 August 2017 Solar Eclipse. Journal of Geophysical Research: Space Physics, 2019, 124, 7341-7355.	0.8	26
1422	Vertical Propagation of Acoustic-Gravity Waves from Atmospheric Fronts into the Upper Atmosphere. Izvestiya - Atmospheric and Oceanic Physics, 2019, 55, 303-311.	0.2	2
1423	New techniques for retrieving the [O(3P)], [O3] and [CO2] altitude profiles from dayglow oxygen emissions: Uncertainty analysis by the Monte Carlo method. Advances in Space Research, 2019, 64, 1948-1967.	1.2	9
1424	Seismogenic Disturbances of the Ionosphere During High Geomagnetic Activity. Atmosphere, 2019, 10, 359.	1.0	8

#	ARTICLE	IF	CITATIONS
1425	On the High-Energy Spectral Component and Fine Time Structure of Terrestrial Gamma Ray Flashes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7484-7497.	1.2	19
1426	Unusual Multiple Excitation of Large-Scale Gravity Waves by Successive Stream Interactions: The Role of Alfvénic Fluctuations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6281-6287.	0.8	3
1427	Long-Term Variations of June Column Atomic Oxygen Abundance in the Upper Atmosphere Inferred From Ionospheric Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6305-6312.	0.8	3
1428	Propagation to the upper atmosphere of acoustic-gravity waves from atmospheric fronts in the Moscow region. <i>Annales Geophysicae</i> , 2019, 37, 447-454.	0.6	7
1429	Multiple Airglow Chemistry approach for atomic oxygen retrievals on the basis of insitu nightglow emissions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 194, 105096.	0.6	3
1430	General Relativity Measurements in the Field of Earth with Laser-Ranged Satellites: State of the Art and Perspectives. <i>Universe</i> , 2019, 5, 141.	0.9	28
1431	Climatology of the mesopause relative density using a global distribution of meteor radars. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7567-7581.	1.9	14
1432	Emulating Satellite Drag from Large Simulation Experiments. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2019, 7, 720-759.	1.1	18
1433	Regional ionosphere specification by assimilating ionosonde data into the SAMI2 model. <i>Advances in Space Research</i> , 2019, 64, 1343-1357.	1.2	3
1434	Variability of the Proton Radiation Belt. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5516-5527.	0.8	15
1435	Comparing analytical and numerical approaches to meteoroid orbit determination using Hayabusa telemetry. <i>Meteoritics and Planetary Science</i> , 2019, 54, 2149-2162.	0.7	15
1436	Global Dynamic Model of Critical Frequency of the Ionospheric F2 Layer. <i>Geomagnetism and Aeronomy</i> , 2019, 59, 429-440.	0.2	18
1437	Global EAGLE Model as a Tool for Studying the Influence of the Atmosphere on the Electric Field in the Equatorial Ionosphere. <i>Russian Journal of Physical Chemistry B</i> , 2019, 13, 720-726.	0.2	5
1438	Ionospheric Response to Disturbed Winds During the 29 October 2003 Geomagnetic Storm in the Brazilian Sector. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9405-9419.	0.8	9
1439	Short- and Long-Wavelength TIDs Generated by the Great American Eclipse of 21 August 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9486-9493.	0.8	9
1440	The Ionospheric Field. , 2019, , 141-159.		0
1441	Quantification of the Vertical Transport and Escape of Atomic Hydrogen in the Terrestrial Upper Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10468-10481.	0.8	4
1442	Pedersen Ionic Contribution in Different Time Scales. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6961-6970.	0.8	4

#	ARTICLE	IF	CITATIONS
1443	Thermospheric Heating and Cooling Times During Geomagnetic Storms, Including Extreme Events. Geophysical Research Letters, 2019, 46, 12739-12746.	1.5	24
1444	High-Resolution Optical Observations of Neutral Heating Associated With the Electrodynamics of an Auroral Arc. Journal of Geophysical Research: Space Physics, 2019, 124, 9577-9591.	0.8	4
1445	Radio Beacon and Radar Assessment and Forecasting of Equatorial F Region Ionospheric Stability. Journal of Geophysical Research: Space Physics, 2019, 124, 9511-9524.	0.8	3
1446	HLWIM Empirical Model of High-Latitude Upper Thermospheric Winds. Journal of Geophysical Research: Space Physics, 2019, 124, 10592-10618.	0.8	13
1447	On the Annual Asymmetry of High-Latitude Sporadic F. Space Weather, 2019, 17, 1618-1626.	1.3	6
1448	Satellite Orbital Drag During Magnetic Storms. Space Weather, 2019, 17, 1510-1533.	1.3	35
1449	The Mount Meron infrasound array: an infrasound array without a noise reduction system. Geophysical Journal International, 2019, 219, 1109-1117.	1.0	3
1450	Icecube/DeepCore tests for novel explanations of the MiniBooNE anomaly. European Physical Journal C, 2019, 79, 1.	1.4	16
1451	On the Momentum Transfer From Polar to Equatorial Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 6064-6073.	0.8	7
1452	The OI 35.6Ånm Nighttime Emission in ICON FUV Images: A New Tool for the Observation of Classical Medium-Scale Traveling Ionospheric Disturbances?. Journal of Geophysical Research: Space Physics, 2019, 124, 7670-7686.	0.8	2
1453	Infrasonic Wave-Induced Variations of Ionospheric HF Sounding Echoes. Radio Science, 2019, 54, 876-887.	0.8	1
1454	Data-Driven Inference of Thermosphere Composition During Solar Minimum Conditions. Space Weather, 2019, 17, 1364-1379.	1.3	14
1455	On the relevance of prompt neutrinos for the interpretation of the IceCube signals. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 004-004.	1.9	11
1456	Geomagnetic Index for Intense Ionospheric Storm. , 2019, , .		0
1457	Survivability of carbon nanotubes in space. Acta Astronautica, 2019, 165, 129-138.	1.7	10
1458	Deformation of Ionospheric Potential Pattern by Ionospheric Hall Polarization. Journal of Geophysical Research: Space Physics, 2019, 124, 7553-7580.	0.8	3
1459	Year-round stratospheric aerosol backscatter ratios calculated from lidar measurements above northern Norway. Atmospheric Measurement Techniques, 2019, 12, 4065-4076.	1.2	13
1460	Ground-based millimetre-wave measurements of middle-atmospheric carbon monoxide above Ny-Ålesund (78.9°N, 11.9°E). Atmospheric Measurement Techniques, 2019, 12, 4077-4089.	1.2	1

#	ARTICLE	IF	CITATIONS
1461	Longitudinal variations in thermospheric parameters under summer noontime conditions inferred from ionospheric observations: A comparison with empirical models. <i>Scientific Reports</i> , 2019, 9, 12763.	1.6	3
1462	Evaluation of ionospheric models for Central and South Americas. <i>Advances in Space Research</i> , 2019, 64, 2125-2136.	1.2	7
1463	Rich observations of local and regional infrasound phases made by the AlpArray seismic network after refinery explosion. <i>Scientific Reports</i> , 2019, 9, 13027.	1.6	15
1464	On the latitudinal variation of the semiannual oscillation in received solar radiation and temperature. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 194, 105098.	0.6	7
1465	Can We Estimate Air Density of the Thermosphere with CubeSats?. <i>Journal of Spacecraft and Rockets</i> , 2019, 56, 1084-1091.	1.3	0
1466	Ionization of the Polar Atmosphere by Energetic Electron Precipitation Retrieved From Balloon Measurements. <i>Geophysical Research Letters</i> , 2019, 46, 990-996.	1.5	27
1467	Horizontal and vertical thermospheric cross-wind from GOCE linear and angular accelerations. <i>Advances in Space Research</i> , 2019, 63, 3139-3153.	1.2	12
1468	Quantifying the Storm Time Thermospheric Neutral Density Variations Using Model and Observations. <i>Space Weather</i> , 2019, 17, 269-284.	1.3	10
1469	Effect of ionospheric drag on atmospheric density estimation and orbit prediction. <i>Advances in Space Research</i> , 2019, 63, 2495-2505.	1.2	10
1470	Impact of nitric oxide, solar EUV and particle precipitation on thermospheric density decrease. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 182, 147-154.	0.6	14
1471	Ionospheric Detection of Explosive Events. <i>Reviews of Geophysics</i> , 2019, 57, 78-105.	9.0	28
1472	Latitude and Longitude Dependence of Ionospheric TEC and Magnetic Perturbations From Infrasonic Acoustic Waves Generated by Strong Seismic Events. <i>Geophysical Research Letters</i> , 2019, 46, 1132-1140.	1.5	29
1473	Orbit information of predetermined accuracy and its sharing in the space situational awareness context. <i>Acta Astronautica</i> , 2019, 159, 410-417.	1.7	5
1474	3D-FEM simulation model of the Earth-ionosphere cavity. <i>Journal of Electromagnetic Waves and Applications</i> , 2019, 33, 734-742.	1.0	7
1475	Least squares orbit estimation including atmospheric density uncertainty consideration. <i>Advances in Space Research</i> , 2019, 63, 3916-3935.	1.2	15
1476	Detection of Crab radiation with a meteorological balloon borne phosphor detector. <i>Experimental Astronomy</i> , 2019, 47, 345-358.	1.6	6
1477	Effects of VLF Transmitter Waves on the Inner Belt and Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5260-5277.	0.8	33
1478	Long-term lidar observations of the gravity wave activity near the mesopause at Arecibo. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3207-3221.	1.9	2

#	ARTICLE	IF	CITATIONS
1479	Can VHF radars at polar latitudes measure mean vertical winds in the presence of PMSE?. Atmospheric Chemistry and Physics, 2019, 19, 4485-4497.	1.9	14
1480	A new Mesospheric data set of temperature profiles from 35 to 85 km using Rayleigh scattering at limb from GOMOS/ENVISAT daytime observations. Atmospheric Measurement Techniques, 2019, 12, 749-761.	1.2	6
1481	The Effect of Oxygen on the Limiting H + Flux in the Topside Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 4509-4517.	0.8	5
1482	Signatures of Thermospheric-Exospheric Coupling of Hydrogen in Observed Seasonal Trends of H ⁺ Intensity. Journal of Geophysical Research: Space Physics, 2019, 124, 4525-4538.	0.8	4
1483	Propagating EUV solar flux uncertainty to atmospheric density uncertainty. Advances in Space Research, 2019, 63, 3936-3952.	1.2	7
1484	Whistler Waves' Propagation in Plasmas With Systems of Small-Scale Density Irregularities: Numerical Simulations and Theory. Journal of Geophysical Research: Space Physics, 2019, 124, 4739-4760.	0.8	14
1485	Seismo-ionospheric Rayleigh Waves. , 2019, , 167-194.		0
1486	The Mid-Term Forecast Method of F _{10.7} Based on Extreme Ultraviolet Images. Advances in Astronomy, 2019, 2019, 1-14.	0.5	9
1487	Observation of Synchronization Between Instabilities of the Sporadic E Layer and Geomagnetic Field Line Connected F Region Medium-Scale Traveling Ionospheric Disturbances. Journal of Geophysical Research: Space Physics, 2019, 124, 4627-4638.	0.8	9
1488	The International Community Coordinated Modeling Center Space Weather Modeling Capabilities Assessment: Overview of Ionosphere/Thermosphere Activities. Space Weather, 2019, 17, 527-538.	1.3	14
1489	Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?. Space Weather, 2019, 17, 861-876.	1.3	25
1490	A Comparison of Electron Densities Derived by Tomographic Inversion of the 135.6 nm Ionospheric Nightglow Emission to Incoherent Scatter Radar Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 4585-4596.	0.8	7
1491	Gamma Ray Glow Observations at 20 km Altitude. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7236-7254.	1.2	30
1492	Non-averaged regularized formulations as an alternative to semi-analytical orbit propagation methods. Celestial Mechanics and Dynamical Astronomy, 2019, 131, 1.	0.5	15
1493	The global climatology of the intensity of the ionospheric sporadic E layer. Atmospheric Chemistry and Physics, 2019, 19, 4139-4151.	1.9	51
1494	Solar Cycle Variability of Nonmigrating Tides in the 5.3 and 15 m Infrared Cooling of the Thermosphere (100-150 km) from SABER. Journal of Geophysical Research: Space Physics, 2019, 124, 2338-2356.	0.8	13
1495	Numerical Modeling of the Propagation of Infrasonic Acoustic Waves Through the Turbulent Field Generated by the Breaking of Mountain Gravity Waves. Geophysical Research Letters, 2019, 46, 5526-5534.	1.5	12
1496	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. Physical Review D, 2019, 99, .	1.6	53

#	ARTICLE	IF	CITATIONS
1497	Thermospheric Weather as Observed by Ground-Based FPIs and Modeled by GITM. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1307-1316.	0.8	12
1498	Dynamical Coupling Between Hurricane Matthew and the Middle to Upper Atmosphere via Gravity Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3589-3608.	0.8	29
1499	Evolution of a Mesospheric Bore in a Duct Observed by Ground-Based Double-Layer Imagers and Satellite Observations Over the Tibetan Plateau Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1377-1388.	0.8	9
1500	Nitric Oxide in Climatological Global Energy Budget During 1982–2013. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 782-789.	0.8	4
1501	High-Resolution Local Measurements of F Region Ion Temperatures and Joule Heating Rates Using SuperDARN and Ground-Based Optics. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 557-572.	0.8	7
1502	Whole Atmosphere Climate Change: Dependence on Solar Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3799-3809.	0.8	35
1503	SLR, GRACE and Swarm Gravity Field Determination and Combination. <i>Remote Sensing</i> , 2019, 11, 956.	1.8	17
1504	Gravity Wave Ducting Observed in the Mesosphere Over Jicamarca, Peru. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5166-5177.	1.2	3
1505	Extension of the King-Hele orbit contraction method for accurate, semi-analytical propagation of non-circular orbits. <i>Advances in Space Research</i> , 2019, 64, 1-17.	1.2	6
1506	Orbit Verification Results of the De-Orbit Mechanism Demonstration CubeSat FREEDOM. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2019, 17, 295-300.	0.1	7
1507	Revisiting the cosmic-ray induced Venusian ionization with the Atmospheric Radiation Interaction Simulator (AtRIS). <i>Astronomy and Astrophysics</i> , 2019, 624, A124.	2.1	10
1508	High-Frequency Ionospheric Monitoring System for Over-the-Horizon Radar in Canada. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 6372-6384.	2.7	24
1509	A previously unrecognized source of the O ₂ Atmospheric band emission in Earth's nightglow. <i>Science Advances</i> , 2019, 5, eaau9255.	4.7	13
1510	The 3-D Distribution of Artificial Aurora Induced by HF Radio Waves in the Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2992.	0.8	4
1511	Transplanet: A web service dedicated to modeling of planetary ionospheres. <i>Planetary and Space Science</i> , 2019, 169, 35-44.	0.9	7
1512	How Well Can We Estimate Pedersen Conductance From the THEMIS White-Light All-Sky Cameras?. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2920-2934.	0.8	11
1513	Implementation and validation of the GEANT4/AtRIS code to model the radiation environment at Mars. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A2.	1.1	25
1514	Determination of the Signal Fluctuation Threshold of the Temperature-Ion Composition Ambiguity Problem Using Monte Carlo Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2897-2919.	0.8	3

#	ARTICLE	IF	CITATIONS
1515	Physical Processes Driving the Response of the F_2 Region Ionosphere to the 21 August 2017 Solar Eclipse at Millstone Hill. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2978-2991.	0.8	26
1516	Investigating Transport and Dissipation in the Subauroral E Region With Ionospheric Modification Experiments and Very High Frequency Radar Backscatter. <i>Radio Science</i> , 2019, 54, 245-253.	0.8	1
1517	Simulated impacts of atmospheric gravity waves on the initiation and optical emissions of sprite halos in the mesosphere. <i>Science China Earth Sciences</i> , 2019, 62, 631-642.	2.3	4
1518	Annual and Semiannual Oscillations of Thermospheric Composition in TIMED/GUVI Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3067-3082.	0.8	20
1519	Diffusion and Thermodiffusion of Atmospheric Neutral Gases: A Review. <i>Surveys in Geophysics</i> , 2019, 40, 247-276.	2.1	8
1520	Density-Temperature Synchrony in the Hydrostatic Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 674-699.	0.8	3
1521	Characteristics of Energetic Electron Precipitation Estimated from Simulated Bremsstrahlung X-ray Distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2831-2843.	0.8	12
1522	Multi-instrument investigation of troposphere-ionosphere coupling and the role of gravity waves in the formation of equatorial plasma bubble. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 189, 65-79.	0.6	9
1523	Observability of hydrogen-rich exospheres in Earth-like exoplanets. <i>Astronomy and Astrophysics</i> , 2019, 622, A46.	2.1	9
1524	Lidar Soundings of the Mesospheric Nickel Layer Using Ni^{3F} and Ni^{3D} Transitions. <i>Geophysical Research Letters</i> , 2019, 46, 408-415.	1.5	24
1525	Estimating and predicting corrections for empirical thermospheric models. <i>Geophysical Journal International</i> , 2019, 218, 479-493.	1.0	5
1526	Attitude Stabilization of Spacecraft in Very Low Earth Orbit by Center-Of-Mass Shifting. <i>Frontiers in Robotics and AI</i> , 2019, 6, 7.	2.0	14
1527	Polarization Electric Field Inside Auroral Patches: Simultaneous Experiment of EISCAT Radars and KAIRA. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3543-3557.	0.8	4
1528	Evolution of space tethered system's orbit during space debris towing taking into account the atmosphere influence. <i>Nonlinear Dynamics</i> , 2019, 96, 2211-2223.	2.7	17
1529	The Maribo CM_2 meteorite fall—Survival of weak material at high entry speed. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1024-1041.	0.7	24
1530	Assessment of the Differential Drag Maneuver Operations on the CYGNSS Constellation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 7-15.	2.3	6
1531	Atmospheric band fitting coefficients derived from a self-consistent rocket-borne experiment. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1207-1220.	1.9	13
1532	Breakup prediction under uncertainty: Application to upper stage controlled reentries from GTO orbit. <i>Aerospace Science and Technology</i> , 2019, 87, 340-356.	2.5	5

#	ARTICLE	IF	CITATIONS
1533	Interhemispheric field-aligned currents at the edges of equatorial plasma depletions. <i>Scientific Reports</i> , 2019, 9, 1233.	1.6	14
1534	Implementation and Hardware-In-The-Loop Simulation of a Magnetic Detumbling and Pointing Control Based on Three-Axis Magnetometer Data. <i>Aerospace</i> , 2019, 6, 133.	1.1	13
1535	Plasma Flow in the North-South Aligned Discrete Aurora Equatorward of the Cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10778-10793.	0.8	2
1536	Simultaneous in situ measurements of small-scale structures in neutral, plasma, and atomic oxygen densities during the WADIS sounding rocket project. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11443-11460.	1.9	11
1537	On-the-fly Calculation of Absorbed and Equivalent Atmospheric Radiation Dose in A Water Phantom with the Atmospheric Radiation Interaction Simulator (AtRIS). <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9774-9790.	0.8	8
1538	Reactions of the Middle Atmosphere Circulation and Stationary Planetary Waves on the Solar Activity Effects in the Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10645-10658.	0.8	5
1539	Propagation of the trajectories for reentry spherical debris including rotation, melting fragmentation and voxel method. <i>Journal of Physics: Conference Series</i> , 2019, 1365, 012011.	0.3	0
1540	Evaluation of orbital decay of a satellite at low altitude due to atmospheric drag as a function of solar activity. <i>Journal of Physics: Conference Series</i> , 2019, 1365, 012027.	0.3	1
1541	The First Terrestrial Electron Beam Observed by the Atmosphere-Space Interactions Monitor. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10497-10511.	0.8	8
1542	Solar cycle, seasonal, and asymmetric dependencies of thermospheric mass density disturbances due to magnetospheric forcing. <i>Annales Geophysicae</i> , 2019, 37, 989-1003.	0.6	9
1543	Infrasound and seismoacoustic signatures of the 28 th September 2018 Sulawesi super-shear earthquake. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 2811-2825.	1.5	12
1544	Radiative Influence of Horizontally Oriented Ice Crystals over Summit, Greenland. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12141-12156.	1.2	4
1545	Latitudinal difference in meteor trail ionization heights and identification of meteor showers. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	0.5	0
1546	Monitoring the orbital decay of the Chinese space station Tiangong-1 from the loss of control until the re-entry into the Earth's atmosphere. <i>Journal of Space Safety Engineering</i> , 2019, 6, 265-275.	0.5	8
1547	Diurnal Variations in the Statistical Characteristics of the Variability of the Midlatitude NmF2 during Quiet Geomagnetic Conditions at Low Solar Activity. <i>Geomagnetism and Aeronomy</i> , 2019, 59, 593-605.	0.2	2
1548	Investigation on the Distinct Nocturnal Secondary Sodium Layer Behavior Above 95 km in Winter and Summer Over Logan, UT (41.7 th N, 112 th W) and Arecibo Observatory, PR (18.3 th N, 67 th W). <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9610-9625.	0.8	18
1549	Atmospheric Effects of >30 keV Energetic Electron Precipitation in the Southern Hemisphere Winter During 2003. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8138-8153.	0.8	24
1550	Geocoronal Hydrogen Emission Variation Over Two Solar Cycles. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10674-10689.	0.8	4

#	ARTICLE	IF	CITATIONS
1551	Method for Determining Neutral Wind Velocity Vectors Using Measurements of Internal Gravity Wave Group and Phase Velocities. <i>Atmosphere</i> , 2019, 10, 546.	1.0	7
1552	STEVE and the Picket Fence: Evidence of Feedbackâ€Unstable Magnetosphereâ€Ionosphere Interaction. <i>Geophysical Research Letters</i> , 2019, 46, 14247-14255.	1.5	21
1553	Multilayer Observations and Modeling of Thunderstormâ€Generated Gravity Waves Over the Midwestern United States. <i>Geophysical Research Letters</i> , 2019, 46, 14164-14174.	1.5	12
1554	Global nighttime atomic oxygen abundances from GOMOS hydroxyl airglow measurements in the mesopause region. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13891-13910.	1.9	5
1555	The German Aerospace Center M-42 radiation detectorâ€A new development for applications in mixed radiation fields. <i>Review of Scientific Instruments</i> , 2019, 90, 125115.	0.6	11
1556	Infrasound observations from the site of past underground nuclear explosions in North Korea. <i>Geophysical Journal International</i> , 2019, 216, 182-200.	1.0	10
1557	Drag Deorbit Device: A New Standard Reentry Actuator for CubeSats. <i>Journal of Spacecraft and Rockets</i> , 2019, 56, 129-145.	1.3	34
1558	Meteorology, Climatology, and Upper Atmospheric Composition for Infrasound Propagation Modeling. , 2019, , 485-508.		21
1559	Ionospheric GNSS Imagery of Seismic Source: Possibilities, Difficulties, and Challenges. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 534-543.	0.8	27
1560	AVO-G2S: A modified, open-source Ground-to-Space atmospheric specification for infrasound modeling. <i>Computers and Geosciences</i> , 2019, 125, 90-97.	2.0	27
1561	Ariane 5 GTO debris mitigation using natural perturbations. <i>Advances in Space Research</i> , 2019, 63, 1992-2002.	1.2	2
1562	Recent Dynamic Studies on the Middle Atmosphere at Mid- and Low-Latitudes Using Rayleigh Lidar and Other Technologies. , 2019, , 757-776.		1
1563	The study of in situ wind and gravity wave determination by the first passive falling-sphere experiment in China's northwest region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 182, 130-137.	0.6	3
1564	Uncertainties in gravity wave parameters, momentum fluxes, and flux divergences estimated from multi-layer measurements of mesospheric nightglow layers. <i>Advances in Space Research</i> , 2019, 63, 967-985.	1.2	8
1565	Vertical fine structure and time evolution of plasma irregularities in the Es layer observed by a high-resolution Ca+ lidar. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	10
1566	The Atmospheric Radiation Interaction Simulator (AtRIS): Description and Validation. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 50-67.	0.8	30
1567	Properties of small meteoroids studied by meteor video observations. <i>Astronomy and Astrophysics</i> , 2019, 621, A68.	2.1	27
1568	Distinct thermospheric mass density variations following the September 2017 geomagnetic storm from GRACE and Swarm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 184, 30-36.	0.6	17

#	ARTICLE	IF	CITATIONS
1569	A Parameterized Model of X-Ray Solar Flare Effects on the Lower Ionosphere and HF Propagation. Radio Science, 2019, 54, 168-180.	0.8	13
1570	Spacecraft Material Tests under Aerothermal and Mechanical Reentry Loads. , 2019, , .		6
1571	Space debris reentry prediction and ground risk estimation using a probabilistic breakup model. , 2019, , .		0
1572	A study of the ionospheric disturbances associated with strong earthquakes using the empirical orthogonal function analysis. Journal of Asian Earth Sciences, 2019, 171, 225-232.	1.0	3
1573	Robust relative navigation for spacecraft rendezvous using differential drag. Acta Astronautica, 2019, 158, 32-43.	1.7	5
1574	Large Meteoroids as Global Infrasound Reference Events. , 2019, , 451-470.		7
1575	3D meteoroid trajectories. Icarus, 2019, 321, 388-406.	1.1	21
1576	Advances in Infrasonic Remote Sensing Methods. , 2019, , 605-632.		24
1577	Application of an updated atmospheric model to explore volcano infrasound propagation and detection in Alaska. Journal of Volcanology and Geothermal Research, 2019, 371, 192-205.	0.8	16
1578	Influence of energy accommodation on a robust spacecraft rendezvous maneuver using differential aerodynamic forces. CEAS Space Journal, 2020, 12, 43-63.	1.1	6
1579	Vertical Structure of the Ionospheric Response Following the Mw 7.9 Wenchuan Earthquake on 12 May 2008. Pure and Applied Geophysics, 2020, 177, 95-107.	0.8	3
1580	Efficient and accurate error propagation in the semi-analytic orbit dynamics system for space debris. Advances in Space Research, 2020, 65, 285-296.	1.2	1
1581	An approach for improving the NRLMSISE-00 model using a radiosonde at Golmud of the Tibetan Plateau. Meteorology and Atmospheric Physics, 2020, 132, 451-459.	0.9	2
1582	Simulation of cosmic rays in the Earth's atmosphere and interpretation of observed counts in an X-ray detector at balloon altitude near tropical region. Advances in Space Research, 2020, 65, 189-197.	1.2	9
1583	APOD mission status and preliminary results. Science China Earth Sciences, 2020, 63, 257-266.	2.3	9
1584	RENU2 UV PMT Observations of the Cusp. Geophysical Research Letters, 2020, 47, e2019GL082314.	1.5	2
1585	Atmospheric neutrinos and the knee of the cosmic ray spectrum. Astroparticle Physics, 2020, 114, 22-29.	1.9	6
1586	Accurate estimation of relative atmospheric density error on the example of uncertain geomagnetic activity information. Advances in Space Research, 2020, 65, 251-270.	1.2	3

#	ARTICLE	IF	CITATIONS
1587	Impact of Thermospheric Mass Density on the Orbit Prediction of LEO Satellites. <i>Space Weather</i> , 2020, 18, e2019SW002336.	1.3	9
1588	Propagation of grid-scale density model uncertainty to orbital uncertainties. <i>Advances in Space Research</i> , 2020, 65, 407-418.	1.2	5
1589	Atmospheric effects and signatures of high-energy electron precipitation. , 2020, , 199-255.		9
1590	Incoherent scatter radar observations of 10 ⁴ -100 keV precipitation: review and outlook. , 2020, , 145-197.		8
1591	A New Method for Deriving the Nightside Thermospheric Density Based on GUVI Dayside Limb Observations. <i>Space Weather</i> , 2020, 18, e2019SW002304.	1.3	0
1592	Calibration of atmospheric density model based on Gaussian Processes. <i>Acta Astronautica</i> , 2020, 168, 273-281.	1.7	5
1593	Poststorm Thermospheric NO Overcooling?. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027122.	0.8	6
1594	Spacecraft Collision Avoidance Using Aerodynamic Drag. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 567-573.	1.6	10
1595	Analysis of Tiangong-2 orbit determination and prediction using onboard dual-frequency GNSS data. <i>GPS Solutions</i> , 2020, 24, 1.	2.2	14
1596	A technique for inferring lower thermospheric neutral density from meteoroid ablation. <i>Planetary and Space Science</i> , 2020, 180, 104735.	0.9	2
1597	Improving Neutral Density Predictions Using Exospheric Temperatures Calculated on a Geodesic, Polyhedral Grid. <i>Space Weather</i> , 2020, 18, e2019SW002355.	1.3	18
1598	N_{2} (A) in the Terrestrial Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026508.	0.8	4
1599	Observation of thermosphere and ionosphere using the ionosphere PhotoMeter (IPM) on the Chinese meteorological satellite FY-3D. <i>Advances in Space Research</i> , 2020, 66, 2151-2167.	1.2	8
1600	A novel concept of cost-effective active debris removal spacecraft system. <i>Journal of Space Safety Engineering</i> , 2020, 7, 345-350.	0.5	4
1601	Seasonal Effect on Hemispheric Asymmetry in Ionospheric Horizontal and Field-Aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028051.	0.8	16
1602	Change in Total Electron Content During the 26 December 2019 Solar Eclipse: Constraints From GNSS Observations and Comparison With SAMI3 Model Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028230.	0.8	11
1603	Mesospheric Gravity Wave Momentum Flux Associated With a Large Thunderstorm Complex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033381.	1.2	4
1604	Regional Ionospheric Parameter Estimation by Assimilating the LSTM Trained Results Into the SAMI2 Model. <i>Space Weather</i> , 2020, 18, e2020SW002590.	1.3	9

#	ARTICLE	IF	CITATIONS
1605	Small-scale structures in noctilucent clouds observed by lidar. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 208, 105384.	0.6	5
1606	Formation of sporadic E (Es) layer by homogeneous and inhomogeneous horizontal winds. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 209, 105403.	0.6	7
1607	The benefits of very low earth orbit for earth observation missions. <i>Progress in Aerospace Sciences</i> , 2020, 117, 100619.	6.3	95
1608	Characterization of the Upper Atmosphere from Neutral and Electron Density Observations. <i>International Association of Geodesy Symposia</i> , 2020, , 1.	0.2	1
1609	Assimilation of GNSS Measurements for Estimation of High-Latitude Convection Processes. <i>Space Weather</i> , 2020, 18, e2019SW002409.	1.3	1
1610	Seasonal Variation of O/N ₂ on Different Pressure Levels From GUVI Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027844.	0.8	11
1611	Thermal effects of nonlinear acoustic-gravity waves propagating at thermospheric temperatures matching high and low solar activity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 208, 105381.	0.6	9
1612	Impact of solar activity on Low Earth Orbiting satellites. <i>Journal of Physics: Conference Series</i> , 2020, 1523, 012010.	0.3	4
1613	Assessment of new thermospheric mass density model using NRLMSISE-00 model, GRACE, Swarm-C, and APOD observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 199, 105207.	0.6	10
1614	Detection of high-latitude ionospheric structures using GNSS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 207, 105335.	0.6	2
1615	Long-Term Variations of >16-MeV Proton Fluxes: Measurements From NOAA POES and EUMETSAT MetOp Satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027635.	0.8	1
1616	Daytime Dynamo Electrodynamics With Spiral Currents Driven by Strong Winds Revealed by Vapor Trails and Sounding Rocket Probes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088803.	1.5	12
1617	Daytime mid-latitude F2-layer Q-disturbances: A formation mechanism. <i>Scientific Reports</i> , 2020, 10, 9997.	1.6	8
1618	The Dynamics of Nonlinear Atmospheric Acoustic-Gravity Waves Generated by Tsunamis Over Realistic Bathymetry. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028309.	0.8	14
1619	Estimating Satellite Orbital Drag During Historical Magnetic Superstorms. <i>Space Weather</i> , 2020, 18, e2020SW002472.	1.3	15
1620	Auroral ionospheric plasma flow extraction using subsonic retarding potential analyzers. <i>Review of Scientific Instruments</i> , 2020, 91, 094503.	0.6	6
1621	Flying Through Uncertainty. <i>Space Weather</i> , 2020, 18, e2019SW002373.	1.3	22
1622	First Report of an Eclipse From Chilean Ionosonde Observations: Comparison With Total Electron Content Estimations and the Modeled Maximum Electron Concentration and Its Height. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027923.	0.8	14

#	ARTICLE	IF	CITATIONS
1623	A Statistical Analysis of the Energy Dissipation Rate Estimated From the PMWE Spectral Width in the Antarctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032745.	1.2	3
1624	Estimating Horizontal Phase Speeds of a Traveling Ionospheric Disturbance From Digisonde Single Site Vertical Ionograms. <i>Radio Science</i> , 2020, 55, e2020RS007089.	0.8	4
1625	Drag Coefficient Model to Track Variations due to Attitude and Orbital Motion. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 1915-1926.	1.6	6
1626	Evidence for Drag Coefficient Modeling Errors near and Above the Oxygen-to-Helium Transition. <i>Journal of Spacecraft and Rockets</i> , 2020, 57, 1246-1263.	1.3	7
1627	Occurrence and Altitude of the Long-Lived Nonspecular Meteor Trails During Meteor Showers at High Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027746.	0.8	6
1628	The Experimental Albertan Satellite #1 (Ex-Alta 1) Cube-Satellite Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	4
1629	The Correlation Analysis of Atmospheric Model Accuracy Based on the Pearson Correlation Criterion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 780, 032045.	0.3	4
1630	Material erosion measurements and expected operational lifetime of a deployable photon sieve payload. <i>Advances in Space Research</i> , 2020, 65, 2902-2911.	1.2	1
1631	Nighttime equatorial 630-nm emission variability over Ethiopia. <i>Advances in Space Research</i> , 2020, 66, 1754-1763.	1.2	0
1632	In Situ Observations of Neutral Shear Instability in the Statically Stable High-Latitude Mesosphere and Lower Thermosphere During Quiet Geomagnetic Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027972.	0.8	7
1633	The 12 December 2017 Baumgarten Gas Hub Explosion: A Case Study on Understanding the Occurrence of a Large Infrasonic Azimuth Residual and a Lack of Seismic Observations. <i>Pure and Applied Geophysics</i> , 2020, 177, 4957-4970.	0.8	4
1634	Debris cloud of India anti-satellite test to Microsat-R satellite. <i>Heliyon</i> , 2020, 6, e04692.	1.4	11
1635	Dynamics of Energetic Electrons in the Slot Region During Geomagnetically Quiet Times: Losses Due to Wave-Particle Interactions Versus a Source From Cosmic Ray Albedo Neutron Decay (CRAND). <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028042.	0.8	9
1636	Gravitational Force Model Aliasing with Nongravitational Force Coefficients in Dynamic Prediction. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 1984-1997.	1.6	2
1637	First Simultaneous Lidar Observations of Thermosphere-Ionosphere Fe and Na (TIFe and TINa) Layers at McMurdo (77.84°S, 166.67°E), Antarctica With Concurrent Measurements of Aurora Activity, Enhanced Ionization Layers, and Converging Electric Field. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090181.	1.5	19
1638	Where does outer space begin?. <i>Physics Today</i> , 2020, 73, 70-71.	0.3	4
1639	A Generalized Method for Calculating Atmospheric Ionization by Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028482.	0.8	24
1640	Ionization effect in the Earth's atmosphere during the sequence of October–November 2003 Halloween GLE events. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 211, 105484.	0.6	8

#	ARTICLE	IF	CITATIONS
1641	A Simple Method for Correcting Empirical Model Densities During Geomagnetic Storms Using Satellite Orbit Data. <i>Space Weather</i> , 2020, 18, e2020SW002565.	1.3	5
1642	Dynamics of Space Tether System in Circular Orbit in Presence of Aerodynamic Drag. , 2020, , .		1
1643	Real-Time Thermospheric Density Estimation from Satellite Position Measurements. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 1656-1670.	1.6	5
1644	Statistical Approach to Observe the Atmospheric Density Variations Using Swarm Satellite Data. <i>Atmosphere</i> , 2020, 11, 897.	1.0	4
1645	Atmospheric Gravity Waves Observed in the Nightglow Following the 21 August 2017 Total Solar Eclipse. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088924.	1.5	7
1646	Simulation of Propagation of Acoustic-Gravity Waves Generated by Tropospheric Front Instabilities into the Upper Atmosphere. <i>Pure and Applied Geophysics</i> , 2020, 177, 5567-5584.	0.8	5
1647	Importance of Regionalâ€Scale Auroral Precipitation and Electrical Field Variability to the Stormâ€Time Thermospheric Temperature Enhancement and Inversion Layer (TTEIL) in the Antarctic E Region. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028224.	0.8	9
1648	Calculation of the Atomic Oxygen Fluence on the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027944.	0.8	1
1649	A New Full 3â€D Model of Cosmogenic Tritium ³ H Production in the Atmosphere (CRAC:3H). <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033147.	1.2	7
1650	Mediumâ€Range Forecasting of Solar Wind: A Case Study of Building Regression Model With Space Weather Forecast Testbed (SWFT). <i>Space Weather</i> , 2020, 18, e2019SW002433.	1.3	2
1651	The Contribution of N ⁺ Ions to Earth's Polar Wind. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089321.	1.5	8
1652	Neutral Exospheric Temperatures From the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027814.	0.8	11
1653	Spectral Analysis of Forbush Decreases Using a New Yield Function. <i>Solar Physics</i> , 2020, 295, 1.	1.0	3
1654	Irradiation Flux Modelling for Thermalâ€Electrical Simulation of CubeSats: Orbit, Attitude and Radiation Integration. <i>Energies</i> , 2020, 13, 6691.	1.6	13
1655	Impacts of Lower Thermospheric Atomic Oxygen on Thermospheric Dynamics and Composition Using the Global Ionosphere Thermosphere Model. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027877.	0.8	3
1656	Probing the Analytical Cancellation Factor of Short Scale Gravity Waves Using Na Lidar and Nightglow Data from the Andes Lidar Observatory. <i>Atmosphere</i> , 2020, 11, 1311.	1.0	2
1657	New constraints on supersymmetry using neutrino telescopes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135929.	1.5	5
1658	A simultaneous calibration and data assimilation (C/DA) to improve NRLMSISE00 using thermospheric neutral density (TND) from space-borne accelerometer measurements. <i>Geophysical Journal International</i> , 2020, 224, 1096-1115.	1.0	8

#	ARTICLE	IF	CITATIONS
1659	Prediction of the Ionospheric Response to the 14 December 2020 Total Solar Eclipse Using SUPIM&NPE. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028625.	0.8	11
1660	Simulation of atmospheric drag effect on low Earth orbit satellites during intervals of perturbed and quiet geomagnetic conditions in the magnetosphere-ionosphere system. , 2020, , .		1
1661	Convectively Generated Gravity Waves During Solstice and Equinox Conditions. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031582.	1.2	6
1662	Impact of the Dipole Tilt Angle on the Ionospheric Plasma as Modeled with IPIM. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027672.	0.8	1
1663	Inverse First Ionization Potential Effects in Giant Solar Flares Found from Earth X-Ray Albedo with Suzaku/XIS. Astrophysical Journal, 2020, 891, 126.	1.6	17
1664	Modelled effects of temperature gradients and waves on the hydroxyl rotational distribution in ground-based airglow measurements. Atmospheric Chemistry and Physics, 2020, 20, 333-343.	1.9	1
1665	Aerocapture Mission Analysis. , 2020, , .		0
1666	Signatures of meteor showers and sporadics inferred from the height distribution of meteor echoes. Planetary and Space Science, 2020, 189, 104981.	0.9	0
1667	Density Correction of NRLMSISE-00 in the Middle Atmosphere (20â100 km) Based on TIMED/SABER Density Data. Atmosphere, 2020, 11, 341.	1.0	6
1668	Differential drag-based multiple spacecraft maneuvering and on-line parameter estimation using integral concurrent learning. Acta Astronautica, 2020, 174, 189-203.	1.7	11
1669	Mesopause Airglow Disturbances Driven by Nonlinear Infrasonic Acoustic Waves Generated by Large Earthquakes. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027628.	0.8	6
1670	Statistical Analysis of Joule Heating and Thermosphere Response During Geomagnetic Storms of Different Magnitudes. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027966.	0.8	6
1671	Compatibility Conditions, Complex Frequency, and Complex Vertical Wave Number for Models of Gravity Waves in the Thermosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028011.	0.8	3
1672	Effects of the rotation of a spacecraft in an atmospheric close approach with the Earth. European Physical Journal: Special Topics, 2020, 229, 1517-1526.	1.2	1
1673	The Day&NIGHT Difference and Geomagnetic Activity Variation of Energetic Electron Fluxes in Region of South Atlantic Anomaly. Space Weather, 2020, 18, e2020SW002479.	1.3	5
1674	Bounds on secret neutrino interactions from high-energy astrophysical neutrinos. Physical Review D, 2020, 101, .	1.6	36
1675	The 3rd AGILE Terrestrial Gamma Ray Flash Catalog. Part I: Association to Lightning Sferics. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031985.	1.2	18
1676	Version 4 retrievals for the atmospheric chemistry experiment Fourier transform spectrometer (ACE-FTS) and imagers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 247, 106939.	1.1	60

#	ARTICLE	IF	CITATIONS
1677	Robust Trajectory Optimisation of a TSTO Spaceplane Using Uncertainty-Based Atmospheric Models. , 2020, , .		1
1678	Numerical Simulation of Ionospheric Depletions Resulting From Rocket Launches Using a General Circulation Model. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027836.	0.8	5
1679	Radar Investigation of Postsunset Equatorial Ionospheric Instability Over Kwajalein During Project WINDY. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027997.	0.8	7
1680	The Space Weather Atmosphere Models and Indices (SWAMI) project: Overview and first results. Journal of Space Weather and Space Climate, 2020, 10, 18.	1.1	15
1681	Global Modeling of Equatorial Spread <i>F₂</i> with SAMI3/WACCM-UK. Geophysical Research Letters, 2020, 47, e2020GL088258.	1.5	40
1682	Trends in the Airglow Temperatures in the MLT Region—Part 1: Model Simulations. Atmosphere, 2020, 11, 468.	1.0	4
1683	Photochemical modeling of molecular and atomic oxygen based on multiple nightglow emissions measured in situ during the Energy Transfer in the Oxygen Nightglow rocket campaign. Atmospheric Chemistry and Physics, 2020, 20, 2221-2261.	1.9	9
1684	OH level populations and accuracies of Einstein- γ coefficients from hundreds of measured lines. Atmospheric Chemistry and Physics, 2020, 20, 5269-5292.	1.9	18
1685	All-Sky Imager Observations of the Latitudinal Extent and Zonal Motion of Magnetically Conjugate 630.0 nm Airglow Depletions. Atmosphere, 2020, 11, 642.	1.0	1
1686	Design and Evaluation of Thruster Control Approach for Micro-satellite ALE-2. , 2020, , .		7
1687	Investigation of Midlatitude Nighttime Ionospheric <i>E_s</i> Coupling and Interhemispheric Coupling by Using COSMIC GPS Radio Occultation Measurements. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027625.	0.8	10
1688	A Machine Learning Approach to Derive Long-Term Trends of Thermospheric Density. Geophysical Research Letters, 2020, 47, e2020GL087140.	1.5	14
1689	Simulated high frequency ray paths considering traveling ionospheric disturbances. SN Applied Sciences, 2020, 2, 1.	1.5	3
1690	The Persistent Ionospheric Responses Over Japan After the Impact of the 2011 Tohoku Earthquake. Space Weather, 2020, 18, e2019SW002302.	1.3	20
1691	A Mechanism for the STEVE Continuum Emission. Geophysical Research Letters, 2020, 47, e2020GL087102.	1.5	22
1692	The Polar Wind Modulated by the Spatial Inhomogeneity of the Strength of the Earth's Magnetic Field. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027802.	0.8	6
1693	Extended forward and inverse modeling of radiation pressure accelerations for LEO satellites. Journal of Geodesy, 2020, 94, 1.	1.6	19
1694	Evolving infrasound detections from Bogoslof volcano, Alaska: insights from atmospheric propagation modeling. Bulletin of Volcanology, 2020, 82, 1.	1.1	18

#	ARTICLE	IF	CITATIONS
1695	Two Strengths of Ordinary Chondritic Meteoroids as Derived from Their Atmospheric Fragmentation Modeling. <i>Astronomical Journal</i> , 2020, 160, 42.	1.9	23
1696	Far Ultraviolet Remote Sensing of the Nighttime Ionosphere Using the OI 130.4nm Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028049.	0.8	5
1697	Formation of Multilayered Sporadic E under an Influence of Atmospheric Gravity Waves (AGWs). <i>Atmosphere</i> , 2020, 11, 653.	1.0	16
1698	Analysis of 24 years of mesopause region OH rotational temperature observations at Davis, Antarctica – Part 1: long-term trends. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6379-6394.	1.9	10
1699	Statistical Relations Between Auroral Electrical Conductances and Field-Aligned Currents at High Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028008.	0.8	16
1700	Real-time orbit determination of Low Earth orbit satellite based on RINEX/DORIS 3.0 phase data and spaceborne GPS data. <i>Advances in Space Research</i> , 2020, 66, 1700-1712.	1.2	7
1701	LEO “BDS” GPS integrated precise orbit modeling using FengYun-3D, FengYun-3C onboard and ground observations. <i>GPS Solutions</i> , 2020, 24, 1.	2.2	15
1702	A Possible Explanation of Interhemispheric Asymmetry of Equatorial Plasma Bubbles in Airglow Images. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027592.	0.8	6
1703	On Energetic Electron Dynamics During Geomagnetic Quiet Times in Earth's Inner Radiation Belt due to Atmospheric Collisional Loss and CRAND as a Source. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027678.	0.8	19
1704	Modeling the Impact of Metallic Ion Layers on Equatorial Spread With SAMI3/ESF. <i>Geophysical Research Letters</i> , 2020, 47, no.	1.5	8
1705	Global Monitoring and Characterization of Infrasound Signatures by Large Fireballs. <i>Atmosphere</i> , 2020, 11, 83.	1.0	15
1706	Analysis of Plasma Irregularities on a Range of Scintillation Scales Using the Resolute Bay Incoherent Scatter Radars. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027112.	0.8	9
1707	Secondary Gravity Waves Generated by Breaking Mountain Waves Over Europe. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031662.	1.2	43
1708	SAMI3 Simulations of Ionospheric Metallic Layers at Arecibo. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027297.	0.8	11
1709	Real-Time Thermospheric Density Estimation via Two-Line Element Data Assimilation. <i>Space Weather</i> , 2020, 18, e2019SW002356.	1.3	20
1710	Toward Prediction of Tornado Noise within the Turbulent Atmosphere using Theory, Wind Tunnel Measurements, and Field-Tests. , 2020, , .		1
1711	Thermosphere densities derived from Swarm GPS observations. <i>Advances in Space Research</i> , 2020, 65, 1758-1771.	1.2	48
1712	Physical properties of Taurid meteoroids of various sizes. <i>Planetary and Space Science</i> , 2020, 182, 104849.	0.9	8

#	ARTICLE	IF	CITATIONS
1713	Bayesian Selection of Atmospheric Profiles from an Ensemble Data Assimilation System using Infrasonic Observations of May 2016 Mount Etna Eruptions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031168.	1.2	11
1714	Revisit to Sporadic E Layer Response to Presumably Seismogenic Electrostatic Fields at Middle Latitudes by Model Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026843.	0.8	2
1715	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A First Detection of Atmospheric Circular Polarization at Q band. <i>Astrophysical Journal</i> , 2020, 889, 120.	1.6	11
1716	Aerothermodynamic modelling of meteor entry flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2308-2325.	1.6	12
1717	Modeling of Ionospheric Responses to Atmospheric Acoustic and Gravity Waves Driven by the 2015 Nepal 7.8 Gorkha Earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027200.	0.8	12
1718	A Partially Orthogonal EnKF approach to atmospheric density estimation using orbital debris. <i>Advances in Space Research</i> , 2020, 65, 1965-1980.	1.2	2
1719	Feasibility assessment of passive stabilisation for a nanosatellite with aeroshell deployed by orbit-attitude-aerodynamics simulation platform. <i>Acta Astronautica</i> , 2020, 173, 266-278.	1.7	13
1720	Revisiting the cosmic-ray induced Venusian radiation dose in the context of habitability. <i>Astronomy and Astrophysics</i> , 2020, 633, A15.	2.1	11
1721	A Comprehensive Study of Infrasound Signals Detected from the Ingolstadt, Germany, Explosion of 1 September 2018. <i>Pure and Applied Geophysics</i> , 2020, 177, 4229-4245.	0.8	6
1722	Barometric formulas: various derivations and comparisons to environmentally relevant observations. <i>ChemTexts</i> , 2020, 6, 1.	1.0	15
1724	Characterising satellite aerodynamics in Very Low Earth Orbit inclusive of ion thruster plume-thermosphere/ionosphere interactions. <i>Acta Astronautica</i> , 2020, 170, 386-396.	1.7	12
1725	Optimal planning for a multiple space debris removal mission using high-accuracy low-thrust transfers. <i>Acta Astronautica</i> , 2020, 172, 56-69.	1.7	12
1726	A Comparative Analysis of the OI 130.4nm Emission Observed by NASA's TIMED Mission Using a Monte Carlo Radiative Transfer Model. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027520.	0.8	6
1727	The 3rd AGILE Terrestrial Gamma-ray Flashes Catalog. Part II: Optimized Selection Criteria and Characteristics of the New Sample. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031986.	1.2	19
1728	A New Data Set of Thermospheric Molecular Oxygen From the Global-scale Observations of the Limb and Disk (GOLD) Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027812.	0.8	8
1729	New constraints on heavy neutral leptons from Super-Kamiokande data. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	27
1730	A Numerical Analysis of Energy Deposition into a Hot Wall under Hypersonic Conditions. , 2020, , .		0
1731	Searches for atmospheric long-lived particles. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	23

#	ARTICLE	IF	CITATIONS
1732	Multi-Instrument Observations of Ion-Neutral Coupling in the Dayside Cusp. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085590.	1.5	11
1733	Simulated Trends in Ionosphere-Thermosphere Climate Due to Predicted Main Magnetic Field Changes From 2015 to 2065. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027738.	0.8	14
1734	The Properties and Origins of Corotating Plasmaspheric Irregularities as Revealed Through a New Tomographic Technique. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027483.	0.8	10
1735	Global-Scale Observations and Modeling of Far-Ultraviolet Airglow During Twilight. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027645.	0.8	16
1736	From instability to irregularities. , 2020, , 137-167.		2
1737	All-Sky Imaging Observations of the Interaction Between the Brightness Wave and ESF Airglow Depletions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027232.	0.8	2
1738	Updated Neutron-Monitor Yield Function: Bridging Between In Situ and Ground-Based Cosmic Ray Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027433.	0.8	33
1739	Local stratopause temperature variabilities and their embedding in the global context. <i>Annales Geophysicae</i> , 2020, 38, 373-383.	0.6	3
1740	Measurement of mesopause temperature using the mesospheric airglow spectrum photometer (MASP). <i>Optics Communications</i> , 2020, 464, 125546.	1.0	1
1741	Adaptive control for differential drag-based rendezvous maneuvers with an unknown target. <i>Acta Astronautica</i> , 2021, 181, 733-740.	1.7	12
1742	Development and validation of an open-source software package for very low Earth orbit satellite simulation. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2021, 45, 64-80.	0.3	0
1743	Dual frequency measurements of meteor head echoes simultaneously detected with the MAARSY and EISCAT radar systems. <i>Icarus</i> , 2021, 355, 114137.	1.1	5
1744	Analysis of the orbit lifetime of CubeSats in low Earth orbits including periodic variation in drag due to attitude motion. <i>Advances in Space Research</i> , 2021, 67, 902-918.	1.2	8
1745	Comparative Study of Equatorial and High-Latitude Over-The-Horizon Radar Parameters Using Ray-Tracing Simulations. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 53-57.	1.4	2
1746	High precision meteor observations with the Canadian automated meteor observatory: Data reduction pipeline and application to meteoroid mechanical strength measurements. <i>Icarus</i> , 2021, 354, 114097.	1.1	19
1747	The technical optimization of Na-K lidar and to measure mesospheric Na and K over Brazil. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 259, 107383.	1.1	3
1748	Lidar observations of the upper atmospheric nickel layer at Beijing (40°N, 116°E). <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 260, 107468.	1.1	8
1749	Nighttime O(1D) and corresponding Atmospheric Band emission (762nm) derived from rocket-borne experiment. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 213, 105522.	0.6	2

#	ARTICLE	IF	CITATIONS
1750	Latitudinal Dependence of Daytime Electron Density Biteâ€œOut in the Ionospheric F₂â€œLayer. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	9
1751	Ionospheric response to solar and magnetospheric protons during January 15â€œ22, 2005: EAGLE whole atmosphere model results. Advances in Space Research, 2021, 67, 133-149.	1.2	6
1752	Linearized model for satellite station-keeping and tandem formations under the effects of atmospheric drag. Acta Astronautica, 2021, 178, 835-845.	1.7	2
1753	In-orbit aerodynamic coefficient measurements using SOAR (Satellite for Orbital Aerodynamics) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.7	27
1754	Interferometric calibration and the first elevation observations at EKB ISTP SB RAS radar at 10â€œ12 MHz. Polar Science, 2021, 28, 100628.	0.5	4
1755	2D Necklace Flower Constellations applied to Earth observation missions. Acta Astronautica, 2021, 178, 203-215.	1.7	7
1756	NRLMSIS 2.0: A Wholeâ€œAtmosphere Empirical Model of Temperature and Neutral Species Densities. Earth and Space Science, 2021, 8, e2020EA001321.	1.1	145
1757	Dynamic GPS-based LEO orbit determination with 1â€œm precision using the Bernese GNSS Software. Advances in Space Research, 2021, 67, 788-805.	1.2	32
1758	Variability of Weddell Sea ionospheric anomaly as deduced from observations at the Akademik Vernadsky station. Ukrainian Antarctic Journal, 2021, , 47-55.	0.1	0
1759	Temporal evolutions of N_2^+ Meinel (1,2) band near $1.5\mu\text{m}$ associated with aurora breakup and their effects on mesopause temperature estimations from OH Meinel (3,1) band. Earth, Planets and Space, 2021, 73, .	0.9	3
1760	Approximate evaluation of the duration of the orbital motion of artificial Earth satellites taking into account light pressure. Journal of Physical Studies, 2021, 25, .	0.2	0
1761	A new auroral phenomenon, the anti-black aurora. Scientific Reports, 2021, 11, 1829.	1.6	2
1762	Formation Flying Orbit and Control Concept for the VISORS Mission. , 2021, , .		11
1763	High Precision Orbit Determination Method Based on GPS Flight Data for ALE-1. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2021, 19, 744-752.	0.1	0
1764	Magnetosphereâ€œIonosphere Coupling via Prescribed Fieldâ€œAligned Current Simulated by the TIEGCM. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	8
1765	Detection and source parametrization of small-energy fireball events in Western Alps with ground-based infrasonic arrays. Geophysical Journal International, 2021, 225, 1518-1529.	1.0	4
1766	System Design, Development and Ground Verification of a Separable De-Orbit Mechanism for the Orbital Manoeuvre of Micro-Satellite ALE-1. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2021, 19, 360-367.	0.1	3
1767	Effect of Atomic Oxygen on LEO CubeSat. International Journal of Aeronautical and Space Sciences, 2021, 22, 726-733.	1.0	9

#	ARTICLE	IF	CITATIONS
1768	Study of Rarefied Aerodynamics for Super Low Altitude Satellites. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2021, 19, 407-414.	0.1	0
1769	Identification of the infrasound signals emitted by explosive eruption of Mt. Shinmoedake by three-dimensional ray tracing. Journal of the Acoustical Society of America, 2021, 149, 591-598.	0.5	4
1770	Infrasonic Earthquake Detectability Investigated in Southern Part of Japan, 2019. Sensors, 2021, 21, 894.	2.1	7
1771	Direct measurements of atomic oxygen in the mesosphere and lower thermosphere using terahertz heterodyne spectroscopy. Communications Earth & Environment, 2021, 2, .	2.6	21
1772	The operational and research DTM-2020 thermosphere models. Journal of Space Weather and Space Climate, 2021, 11, 47.	1.1	15
1773	Formation Flying under Periodic Orbit Considering Environmental Forces in LEO. , 2021, , .		0
1774	The atmospheric model of neural networks based on the improved Levenberg-Marquardt algorithm. Open Astronomy, 2021, 30, 24-35.	0.2	2
1775	Sounding the Atmospheric Density at the Altitude of LARES and Ajisai during Solar Cycle 24. Transactions of the Japan Society for Aeronautical and Space Sciences, 2021, 64, 125-135.	0.4	0
1776	The Lifetimes of Plasma Structures at High Latitudes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028117.	0.8	6
1777	Lower-thermosphereâ€‘ionosphere (LTI) quantities: current status of measuring techniques and models. Annales Geophysicae, 2021, 39, 189-237.	0.6	25
1778	Power Generation on a Bare Electrodynamic Tether during Debris Mitigation in Space. International Journal of Aerospace Engineering, 2021, 2021, 1-13.	0.5	5
1779	GNSS total variometric approach: first demonstration of a tool for real-time tsunami genesis estimation. Scientific Reports, 2021, 11, 3114.	1.6	22
1780	Longitudinal Variation of Postsunset Plasma Depletions From the Globalâ€‘Scale Observations of the Limb and Disk (GOLD) Mission. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028510.	0.8	12
1781	Seasonal Variation of Vertical Heat and Energy Fluxes due to Dissipating Gravity Waves in the Mesopause Region Over the Andes. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033825.	1.2	8
1782	Thermospheric Impact on the Magnetosphere Through Ionospheric Outflow. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028656.	0.8	4
1783	Optimal Multi-Target Overflight Using Ground-Track Adjustment. Journal of the Astronautical Sciences, 2021, 68, 150-171.	0.8	7
1784	Meteorâ€‘Ablated Aluminum in the Mesosphereâ€‘Lower Thermosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028792.	0.8	8
1785	A New Model for Ionospheric Total Electron Content: The Impact of Solar Flux Proxies and Indices. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028466.	0.8	8

#	ARTICLE	IF	CITATIONS
1786	Cloud Formation From a Localized Water Release in the Upper Mesosphere: Indication of Rapid Cooling. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2019JA027285.	0.8	7
1787	The Thermospheric Column O/N ₂ Ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029059.	0.8	19
1788	Inferring thermospheric composition from ionogram profiles: a calibration with the TIMED spacecraft. <i>Annales Geophysicae</i> , 2021, 39, 309-319.	0.6	0
1789	Association of Ionospheric Signatures to Various Tectonic Parameters During Moderate to Large Magnitude Earthquakes: Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028709.	0.8	2
1790	Calculating the Rate of Ionization during a GLE Event with a Global Model of Earth's Atmosphere and Estimating of the Contribution to this Process from Galactic Cosmic Ray Particles with Z > 2. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2021, 85, 277-281.	0.1	5
1792	Thermospheric disturbances caused by the propagation of acoustic-gravity waves from the lower atmosphere during a solar eclipse. <i>Advances in Space Research</i> , 2021, 68, 1390-1400.	1.2	6
1797	On the Effects of Mesospheric and Lower Thermospheric Oxygen Chemistry on the Thermosphere and Ionosphere Semiannual Oscillation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028647.	0.8	6
1798	Data-Driven Modeling of Atomic Oxygen Airglow over a Period of Three Solar Cycles. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028991.	0.8	3
1800	Local K-index scales correction for the high-latitude magnetic stations. <i>Arctic and Antarctic Research</i> , 2021, 67, 89-99.	0.1	0
1801	AIM-E auroral ionosphere model adjustment for the regular E layer. <i>Solneĭno-zemnaĭa Fizika</i> , 2021, 7, 41-46.	0.2	2
1802	Modeling the Transport of Solar Cosmic Ray Proton Fluxes through Earth's Atmosphere for the GLE42 and GLE44 Events. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2021, 85, 273-276.	0.1	2
1803	Dependence of the Local Index of Annual Asymmetry for NmF2 on Solar Activity. <i>Geomagnetism and Aeronomy</i> , 2021, 61, 227-233.	0.2	5
1804	Evidence for the Significant Differences in Response Times of Equatorial Ionization Anomaly Crest Corresponding to Plasma Fountains During Daytime and Post-Sunset Hours. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028628.	0.8	6
1805	Neutral-current background induced by atmospheric neutrinos at large liquid-scintillator detectors. I. Model predictions. <i>Physical Review D</i> , 2021, 103, .	1.6	11
1806	Automatic Scheduling Tool for Balloon-Borne Planetary Optical Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 1291.	1.8	1
1808	Optimization of Radial Diffusion Coefficients for the Proton Radiation Belt During the CRRES Era. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028486.	0.8	2
1809	Development and Validation for Reentry Analysis Tool. , 2021, , .		0
1810	Aerodynamic and gravity gradient based attitude control for CubeSats in the presence of environmental and spacecraft uncertainties. <i>Acta Astronautica</i> , 2021, 180, 439-450.	1.7	13

#	ARTICLE	IF	CITATIONS
1811	Comparing Electron Precipitation Fluxes Calculated From Pitch Angle Diffusion Coefficients to LEO Satellite Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028410.	0.8	17
1812	AIM-E auroral ionosphere model adjustment for the regular E layer. <i>SolneĀno-zemnaĀ fizika</i> , 2021, 7, 51-58.	0.1	1
1813	Using a network of temperature lidars to identify temperature biases in the upper stratosphere in ECMWF reanalyses. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6079-6092.	1.9	12
1814	On a simple, data-aided analytic description of the morphology of equatorial F-region zonal plasma drifts. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	1
1815	Mid-Latitude Daytime F2-Layer Disturbance Mechanism under Extremely Low Solar and Geomagnetic Activity in 2008ĀĀ2009. <i>Remote Sensing</i> , 2021, 13, 1514.	1.8	5
1816	Daytime Equatorial Spread FĀĀLike Irregularities Detected by HF Doppler Receiver and Digisonde. <i>Space Weather</i> , 2021, 19, e2020SW002676.	1.3	5
1817	UpperĀĀAtmosphere Mass Density Variations From CASSIOPE Precise Orbits. <i>Space Weather</i> , 2021, 19, e2020SW002645.	1.3	5
1818	RealĀĀTime Thermospheric Density Estimation via Radar and GPS Tracking Data Assimilation. <i>Space Weather</i> , 2021, 19, e2020SW002620.	1.3	10
1819	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. <i>European Physical Journal C</i> , 2021, 81, 322.	1.4	69
1820	Effect of simultaneous N2 collisions on atomic oxygen-induced polyimide erosion in sub-low Earth orbit: comparison of laboratory and SLATS data. <i>CEAS Space Journal</i> , 2021, 13, 389-397.	1.1	9
1821	Future Decreases in Thermospheric Neutral Density in Low Earth Orbit due to Carbon Dioxide Emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034589.	1.2	7
1822	Verified Regularized Interval Orbit Propagation. <i>Journal of Guidance, Control, and Dynamics</i> , 2021, 44, 719-731.	1.6	0
1823	Medium-term Predictions of F10.7 and F30 cm Solar Radio Flux with the Adaptive Kalman Filter. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 9.	3.0	11
1824	A method for accurate and efficient propagation of satellite orbits: A case study for a Molniya orbit. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2661-2676.	3.4	4
1825	LowĀĀAltitude Ion Upflow Observed by EISCAT and its Effects on Supply of Molecular Ions in the Ring Current Detected by Arase (ERG). <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028951.	0.8	2
1826	Seasonal Cycle of Gravity Wave Potential Energy Densities from Lidar and Satellite Observations at 54ĀĀ and 69ĀĀN. <i>Journals of the Atmospheric Sciences</i> , 2021, 78, 1359-1386.	0.6	16
1827	The 2010 Haiti earthquake revisited: An acoustic intensity map from remote atmospheric infrasound observations. <i>Earth and Planetary Science Letters</i> , 2021, 560, 116795.	1.8	23
1828	New Measurement of the Vertical Atmospheric Density Profile From Occultations of the Crab Nebula With XĀĀRay Astronomy Satellites Suzaku and Hitomi. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028886.	0.8	7

#	ARTICLE	IF	CITATIONS
1829	Equatorial auroral records reveal dynamics of the paleo-West Pacific geomagnetic anomaly. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5
1830	Modeling the dominance of the gradient drift or Kelvinâ€“Helmholtz instability in sheared ionospheric E—B flows. Physics of Plasmas, 2021, 28, .	0.7	6
1831	Long-Term Observations of Microwave Brightness Temperatures over a Metropolitan Area: Comparison of Radiometric Data and Spectra Simulated with the Use of Radiosonde Measurements. Remote Sensing, 2021, 13, 2061.	1.8	4
1832	Atmospheric drag effects on modelled low Earth orbit (LEO) satellites during the July 2000 Bastille Day event in contrast to an interval of geomagnetically quiet conditions. Annales Geophysicae, 2021, 39, 397-412.	0.6	3
1833	Influence of a Horizontal Wind on Spacecraft Motion in a Low Earth Orbit. Journal of Spacecraft and Rockets, 2021, 58, 915-918.	1.3	0
1834	Case Studies on Concentric Gravity Waves Source Using Lightning Flash Rate, Brightness Temperature and Backward Ray Tracing at Sɠ Martinho da Serra (29.44–S, 53.82–W). Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034527.	1.2	4
1835	Line-of-Sight Winds and Doppler Effect Smearing in ACE-FTS Solar Occultation Measurements. Atmosphere, 2021, 12, 680.	1.0	4
1836	Nonlinear Simulations of Gravity Wave Tunneling and Breaking over Auckland Island. Journals of the Atmospheric Sciences, 2021, 78, 1567-1582.	0.6	5
1837	Investigation of the Gradient Drift Instability as a Cause of Density Irregularities in Subauroral Polarization Streams. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029027.	0.8	6
1838	Model simulations of chemical effects of sprites in relation with observed HOɠlt;subɠgt;2ɠlt;subɠgt; enhancements over sprite-producing thunderstorms. Atmospheric Chemistry and Physics, 2021, 21, 7579-7596.	1.9	2
1839	Response of Background Optical Emission to Ionospheric Heating by High-Power Radio Emission. Geomagnetism and Aeronomy, 2021, 61, 389-398.	0.2	2
1840	GRACE Follow–On Accelerometer Data Recovery. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021297.	1.4	21
1841	Roto-Translational Control of Spacecraft in Low Earth Orbit Using Environmental Forces and Torques. Applied Sciences (Switzerland), 2021, 11, 4606.	1.3	2
1842	Inferring the Evolution of a Large Earthquake From Its Acoustic Impacts on the Ionosphere. AGU Advances, 2021, 2, e2020AV000260.	2.3	11
1843	A Method for Calculating Atmospheric Radiation Produced by Relativistic Electron Precipitation. Space Weather, 2021, 19, e2021SW002735.	1.3	7
1844	AIM-E: E-Region Auroral Ionosphere Model. Atmosphere, 2021, 12, 748.	1.0	6
1845	Signs of anomalous behavior of the ionosphere in 2003–2014 at F1-layer heights over Irkutsk. Solneɠno-zemnaɠ Fizika, 2021, 7, 74-80.	0.2	0
1846	Spectra of Acoustic-Gravity Waves in the Atmosphere with a Quasi-Isothermal Upper Layer. Atmosphere, 2021, 12, 818.	1.0	8

#	ARTICLE	IF	CITATIONS
1847	Behavior of electron density in the ionosphere over Norilsk during the period of declining solar activity. <i>SolneĀno-zemnaĀ Fizika</i> , 2021, 7, 70-73.	0.2	0
1848	Turbulence generated small-scale structures as PMWE formation mechanism: Results from a rocket campaign. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 217, 105559.	0.6	5
1849	Numerical Modeling of Coseismic Tropospheric Disturbances Arising from the Unstable Acoustic Gravity Wave Energetics. <i>Atmosphere</i> , 2021, 12, 765.	1.0	0
1850	Temporal Evolution of Three-dimensional Structures of Metal Ion Layer Around Japan Simulated by a Midlatitude Ionospheric Model. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029267.	0.8	11
1851	GNSS TEC-based Detection and Analysis of Acoustic-gravity Waves From the 2012 Sumatra Double Earthquake Sequence. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028507.	0.8	2
1852	Mid-latitude Thermosphere-ionosphere Na (TINa) Layers Observed With High-sensitivity Na Doppler Lidar Over Boulder (40.13°N, 105.24°W). <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093729.	1.5	11
1853	Property changes in materials due to atomic oxygen in the low Earth orbit. <i>CEAS Space Journal</i> , 2021, 13, 415-432.	1.1	8
1854	Signs of anomalous behavior of the ionosphere in 2003-2014 at F1-layer heights over Irkutsk. <i>SolneĀno-zemnaĀ Fizika</i> , 2021, 7, 81-87.	0.1	0
1855	TMF: A GNSS Tropospheric Mapping Function for the Asymmetrical Neutral Atmosphere. <i>Remote Sensing</i> , 2021, 13, 2568.	1.8	2
1856	RECOGNITION AND INTERPRETATION OF THE SPATIAL IRREGULARITIES IONOSPHERE FOR FEBRUARY - MARCH 2010 OVER THE SEISMIC ZONES OF SOUTH AMERICA BY RADIOPHYSICAL METHODS. <i>Radio Communication Technology</i> , 2021, , 7-23.	0.0	1
1857	IMK/IAA MIPAS temperature retrieval version 8: nominal measurements. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4111-4138.	1.2	13
1858	PROBA2 LYRA Occultations: Thermospheric Temperature and Composition, Sensitivity to EUV Forcing, and Comparisons With Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029262.	0.8	2
1859	Modeling Responses of Polar Mesospheric Clouds to Gravity Wave and Instability Dynamics and Induced Large-scale Motions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034643.	1.2	13
1860	Six-Degree-of-Freedom Analysis of CubeSat Flight Performance in Very Low Earth Orbits. <i>Journal of Spacecraft and Rockets</i> , 2021, 58, 1094-1106.	1.3	0
1861	Investigation on longitudinal and decadal variations of the equatorial electrojet using a physical model. <i>Advances in Space Research</i> , 2021, 68, 182-200.	1.2	2
1862	An Empirical Atmospheric Density Calibration Model Based on Long Short-Term Memory Neural Network. <i>Atmosphere</i> , 2021, 12, 925.	1.0	3
1863	Infrasound detection and altitude estimation associated with the December 22, 2020 Yushu fireball. <i>Geoscience Letters</i> , 2021, 8, .	1.3	2
1864	On the Cause of the Post-sunset Nocturnal OI 630nm Airglow Enhancement Over Low-latitude Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029146.	0.8	4

#	ARTICLE	IF	CITATIONS
1865	Impact of Attitude Model, Phase Wind-Up and Phase Center Variation on Precise Orbit and Clock Offset Determination of GRACE-FO and CentiSpace-1. Remote Sensing, 2021, 13, 2636.	1.8	9
1866	Latitudinal Impacts of Joule Heating on the High-Latitude Thermospheric Density Enhancement During Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028747.	0.8	5
1867	Fusion of a machine learning approach and classical orbit predictions. Acta Astronautica, 2021, 184, 222-240.	1.7	12
1868	Ionospheric Response to the December 14, 2020 Total Solar Eclipse in South America. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029537.	0.8	4
1869	The Effect of the Thermosphere on Ionosphere Outflows. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	0
1870	Micro Satellite Orbital Boost by Electrodynamic Tethers. Micromachines, 2021, 12, 916.	1.4	5
1871	Optimization investigation of vacuum air-intake for atmosphere-breathing electric propulsion system. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1253-1268.	0.7	2
1872	Low-Latitude Plasma Drifts From the Horizontal Neutral Wind Model and a Coupled Ionosphere-Electric Field Model. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029056.	0.8	1
1873	Effect of neutral winds on the creation of non-specular meteor trail echoes. Annales Geophysicae, 2021, 39, 709-719.	0.6	3
1874	EUV signals associated with O ⁺ ions observed from ISS-IMAP/EUVI in the nightside ionosphere. Earth, Planets and Space, 2021, 73, .	0.9	1
1875	A Globally Averaged Thermospheric Density Data Set Derived From Two-Line Orbital Element Sets and Special Perturbations State Vectors. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029455.	0.8	6
1876	Qualitative and Quantitative Assessment of the SET HASDM Database. Space Weather, 2021, 19, e2021SW002798.	1.3	14
1877	Onset Altitudes of Co-Seismic Ionospheric Disturbances Determined by Multiple Distributions of GNSS TEC After the Foreshock of the 2011 Tohoku Earthquake on March 9, 2011. Earth and Space Science, 2021, 8, e2020EA001217.	1.1	3
1878	Earth Rotation Parameters Estimation Using GPS and SLR Measurements to Multiple LEO Satellites. Remote Sensing, 2021, 13, 3046.	1.8	4
1879	Reverse Engineering of Perturbations in the Orbital Decay Environment from Nanosatellite Two-Line Elements. Journal of Spacecraft and Rockets, 2022, 59, 140-152.	1.3	0
1881	Steepening Plasma Density Spectra in the Ionosphere: The Crucial Role Played by a Strong E-Region. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029401.	0.8	9
1882	Radar Observation of Extreme Vertical Drafts in the Polar Summer Mesosphere. Geophysical Research Letters, 2021, 48, e2021GL094918.	1.5	14
1883	About the Altitude Profile of the Atmospheric Cut-Off of Cosmic Rays: New Revised Assessment. Solar Physics, 2021, 296, 1.	1.0	11

#	ARTICLE	IF	CITATIONS
1884	Middle-Latitude Neutral Composition and Temperature Responses to the 20 and 21 November 2003 Superstorm From GUVI Dayside Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028427.	0.8	23
1885	Thermospheric Parameters during Ionospheric G-Conditions. <i>Remote Sensing</i> , 2021, 13, 3440.	1.8	2
1886	A Global Empirical Model of the Ion Temperature in the Ionosphere for the International Reference Ionosphere. <i>Atmosphere</i> , 2021, 12, 1081.	1.0	4
1887	Influence of Chemical Kinetics Models on Plasma Generation in Hypersonic Flight. <i>AIAA Journal</i> , 0, , 1-10.	1.5	2
1888	Thermospheric Mass Density Disturbances Due to Magnetospheric Forcing From 2014-2020 CASSIOPE Precise Orbits. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029540.	0.8	5
1889	Vertical Propagation of Coseismic Ionospheric Disturbances Associated With the Foreshock of the Tohoku Earthquake Observed Using HF Doppler Sounding. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028600.	0.8	2
1890	Calculating the Propagation of Solar Cosmic Rays through the Earth's Atmosphere for the GLE Event No. 69. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2021, 85, 922-924.	0.1	0
1891	Improvement of Odin/SMR water vapour and temperature measurements and validation of the obtained data sets. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5823-5857.	1.2	1
1892	Stagnation-point heating and ablation analysis of orbital re-entry experiment. <i>Physics of Fluids</i> , 2021, 33, .	1.6	10
1893	Climatological study of the ion temperature in the ionosphere as recorded by Millstone Hill incoherent scatter radar and comparison with the IRI model. <i>Advances in Space Research</i> , 2021, 68, 2186-2203.	1.2	5
1894	Estimation of the thermospheric density using ephemerides of the CYGNSS and Swarm constellations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 221, 105687.	0.6	1
1895	Development and Validation of Precipitation Enhanced Densities for the Empirical Canadian High Arctic Ionospheric Model. <i>Space Weather</i> , 2021, 19, e2021SW002779.	1.3	8
1896	Sentinel-6A precise orbit determination using a combined GPS/Galileo receiver. <i>Journal of Geodesy</i> , 2021, 95, 1.	1.6	27
1897	Night-time Ionospheric Localized Enhancements (NILE) Observed in North America Following Geomagnetic Disturbances. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029324.	0.8	6
1898	A Modeling Framework for Estimating Ionospheric HF Absorption Produced by Solar Flares. <i>Radio Science</i> , 2021, 56, e2021RS007285.	0.8	6
1899	Climatology analysis of the daytime topside ionospheric diffusive O ⁺ flux based on incoherent scatter radar observations at Millstone Hill. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029222.	0.8	6
1900	Charged dust in the D-region incoherent scatter spectrum. <i>Journal of Plasma Physics</i> , 2021, 87, .	0.7	2
1901	Gas-surface interactions modelling influence on satellite aerodynamics and thermosphere mass density. <i>Journal of Space Weather and Space Climate</i> , 2021, 11, 54.	1.1	16

#	ARTICLE	IF	CITATIONS
1902	Searching for light long-lived neutralinos at Super-Kamiokande. <i>Physical Review D</i> , 2021, 104, .	1.6	10
1903	Space Weather Services for Civil Aviation—Challenges and Solutions. <i>Remote Sensing</i> , 2021, 13, 3685.	1.8	22
1904	Precise Orbit Determination for LEO Satellites With Ambiguity Resolution: Improvement and Comparison. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022491.	1.4	11
1905	Cosmic-ray neutron fluxes and spectra at different altitudes based on Monte Carlo simulations. <i>Applied Radiation and Isotopes</i> , 2021, 175, 109800.	0.7	3
1906	A Magnetically Filtered Atomic Oxygen Plasma Source for Low-Earth-Orbit Simulation. <i>Journal of Spacecraft and Rockets</i> , 2021, 58, 1406-1415.	1.3	3
1907	Retrieval of Airglow Emission Rates in Analytical Form for Limb-viewing Satellite Observations at Low Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029490.	0.8	2
1908	Observations of sunlit N ₂ ⁺ and O ⁺ aurora at high altitudes during the RENU2 flight. <i>Annales Geophysicae</i> , 2021, 39, 849-859.	0.6	1
1909	Statistical Characteristics of the Mid-latitude NmF2 Day-to-Day Variability During Geomagnetically Quiet Conditions at Low Solar Activity Obtained from the Dourbes and Juliusruh Ionosonde Observations. <i>Pure and Applied Geophysics</i> , 2021, 178, 3887-3907.	0.8	2
1910	Is TEC a viable ionospheric servo input?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 220, 105667.	0.6	0
1911	First Results From the Retrieved Column O/N ₂ Ratio From the Ionospheric Connection Explorer (ICON): Evidence of the Impacts of Nonmigrating Tides. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029575.	0.8	7
1912	System modelling of very low Earth orbit satellites for Earth observation. <i>Acta Astronautica</i> , 2021, 187, 475-491.	1.7	25
1913	Locating surface deformation induced by earthquakes using GPS, GLONASS and Galileo ionospheric sounding from a single station. <i>Advances in Space Research</i> , 2021, 68, 3403-3416.	1.2	8
1914	Background model of phoswich X-ray detector on board small balloon. <i>Advances in Space Research</i> , 2021, 68, 3052-3063.	1.2	2
1915	Ionospheric conductance using different IRI F2 layer models. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 225, 105759.	0.6	1
1916	Extensive study of radiation dose on human body at aviation altitude through Monte Carlo simulation. <i>Life Sciences in Space Research</i> , 2021, 31, 1-13.	1.2	1
1917	Design and numerical investigation on the intake of atmosphere-breathing electric propulsion. <i>Acta Astronautica</i> , 2021, 188, 215-228.	1.7	12
1918	A single-mode approximation for gravity waves in the thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 224, 105749.	0.6	1
1919	Ring Current Decay During Geomagnetic Storm Recovery Phase: Comparison Between RBSP Observations and Theoretical Modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	7

#	ARTICLE	IF	CITATIONS
1920	Unusual Intensity Patterns of OH(6,2) and O(1 S) Airglow Driven by Long-Period Waves Observed Over the Andes Lidar Observatory. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028091.	0.8	2
1921	Testing the electrodynamic method to derive height-integrated ionospheric conductances. Annales Geophysicae, 2021, 39, 31-51.	0.6	3
1922	Responses of Thermospheric Mass Densities to the October 2016 and September 2017 Geomagnetic Storms Revealed From Multiple Satellite Observations. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	9
1923	Influence of Chemical Kinetics Models on Plasma Generation in Hypersonic Flight. , 2021, , .		2
1924	Long-Term Monitoring of Energetic Protons at the Bottom of Earth's Radiation Belt. Space Weather, 2021, 19, e2020SW002611.	1.3	0
1925	Variations of the neutral temperature and sodium density between 80 and 107 km above Tromsø, during the winter of 2010-2011 by a new solid-state sodium lidar. Journal of Geophysical Research: Space Physics, 2014, 119, 441-451.	0.8	22
1926	Thermal Conductivity of the Multicomponent Neutral Atmosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 12,476.	0.8	3
1927	Thermosphere Density Model Calibration. Astrophysics and Space Science Library, 2007, , 107-114.	1.0	8
1928	Sensitivity of Stratospheric Retrievals from Radio Occultations on Upper Boundary Conditions. , 2006, , 17-26.		7
1929	Infrasound Propagation. , 2008, , 1497-1519.		10
1930	Seismic Waves from Atmospheric Sources and Atmospheric/Ionospheric Signatures of Seismic Waves. , 2010, , 281-304.		11
1931	Atmospheric Variability and Infrasound Monitoring. , 2010, , 475-507.		38
1932	Numerical Methods to Model Infrasonic Propagation Through Realistic Specifications of the Atmosphere. , 2010, , 541-573.		31
1933	Ground Truth Events: Assessing the Capability of Infrasound Networks Using High Resolution Data Analyses. , 2010, , 599-625.		13
1934	Contribution of Infrasound Monitoring for Atmospheric Remote Sensing. , 2010, , 629-646.		34
1935	Extreme Ultraviolet Variability Experiment (EVE) on the Solar Dynamics Observatory (SDO): Overview of Science Objectives, Instrument Design, Data Products, and Model Developments. , 2010, , 115-143.		13
1936	EUV SpectroPhotometer (ESP) in Extreme Ultraviolet Variability Experiment (EVE): Algorithms and Calibrations. , 2009, , 179-205.		4
1937	A Review of Low Frequency Electromagnetic Wave Phenomena Related to Tropospheric-Ionospheric Coupling Mechanisms. Space Sciences Series of ISSI, 2011, , 551-593.	0.0	5

#	ARTICLE	IF	CITATIONS
1938	Estimating Currents and Electric Fields at Low Latitudes from Satellite Magnetic Measurements. , 2020, , 233-254.		6
1939	Specification of the Ionosphere-Thermosphere Using the Ensemble Kalman Filter. Lecture Notes in Computer Science, 2015, , 274-283.	1.0	12
1940	Ground-Based Measurements of Energetic Particles by Neutron Monitors. Astrophysics and Space Science Library, 2018, , 95-111.	1.0	9
1941	The Study of Sudden Stratospheric Warmings Using Infrasound. , 2019, , 723-755.		14
1942	Non-orographic Gravity Waves: Representation in Climate Models and Effects on Infrasound. , 2019, , 827-844.		5
1943	Detector Development and Optimization for Space Based Astronomy from Satellites and Balloons. Thirty Years of Astronomical Discovery With UKIRT, 2018, , 371-385.	0.3	2
1944	Empirical Modelling of the Thermosphere. Springer Theses, 2012, , 21-57.	0.0	2
1945	Producing Density and Crosswind Data from Satellite Dynamics Observations. Springer Theses, 2012, , 91-126.	0.0	5
1946	SABER Observations of Daytime Atomic Oxygen and Ozone Variability in the Mesosphere. , 2011, , 75-82.		5
1947	DTM2013 Model Parameter Inversion and Correlation Analysis Between Its Accuracy. Lecture Notes in Electrical Engineering, 2020, , 36-46.	0.3	1
1948	A hybrid approach for recovering high-resolution temporal gravity fields from satellite laser ranging. Journal of Geodesy, 2021, 95, 1.	1.6	26
1949	Day-to-day variability of the bottomside ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 205, 105299.	0.6	8
1950	Dynamic processes in the ionosphere during magnetic storms from the Kharkov incoherent scatter radar observations. International Journal of Geomagnetism and Aeronomy, 2007, 7, .	0.2	17
1951	Ionospheric Neutral Collision Frequencies for Calculating Ionospheric Conductivity. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027128.	0.8	12
1952	Initial Observations by the GOLD Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027823.	0.8	80
1953	Alfvénic Thermospheric Upwelling in a Global Geospace Model. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028059.	0.8	7
1954	Calculation of conventional and prompt lepton fluxes at very high energy. EPJ Web of Conferences, 2015, 99, 08001.	0.1	67
1955	A balloon-borne 4.75 THz-heterodyne receiver to probe atomic oxygen in the atmosphere. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
1956	A Machine Learning-Based Approach for Improved Orbit Predictions of LEO Space Debris With Sparse Tracking Data From a Single Station. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4253-4268.	2.6	23
1957	Comparison of second and third generation 135.6 nm ionospheric photometers using on-orbit and laboratory results. , 2019, , .		3
1958	Properties of the Ionosphere during an Extreme Storm. Cosmic Research, 2019, 57, 451-458.	0.2	1
1959	A New Method of Orbit Prediction for LEO Satellites Using Empirical Accelerations. Kongjian Kexue Xuebao, 2015, 35, 715.	0.2	2
1960	Time-Dependent Propagation of Tsunami-Generated Acousticâ€“Gravity Waves in the Atmosphere. Journals of the Atmospheric Sciences, 2020, 77, 1233-1244.	0.6	3
1961	Atmospheric resonances and their coupling to vibrations of the ground and waves in the ocean. Earth, Planets and Space, 2020, 72, .	0.9	4
1962	First simulations of day-to-day variability of mid-latitude sporadic E layer structures. Earth, Planets and Space, 2020, 72, .	0.9	17
1963	Sensitivity study for ICON tidal analysis. Progress in Earth and Planetary Science, 2020, 7, 18.	1.1	23
1964	RUSCOSMIC â€” the new software toolbox for detailed analysis of cosmic ray interactions with matter. SolneĀno-zemnaĀ Fizika, 2016, 2, 3-8.	0.2	2
1965	Registering upper atmosphere parameters in East Siberia with Fabryâ€”Perot Interferometer KEO Scientific â€œArinaeâ€• SolneĀno-zemnaĀ Fizika, 2017, 3, 61-75.	0.2	17
1966	Electron density in the F1 layer over Norilsk in 2007â€”2014. SolneĀno-zemnaĀ Fizika, 2019, 5, 109-112.	0.2	2
1967	THE ATMOSPHERE BELOW 200 km OVER NORILSK AT SOLAR MINIMUM AND MAXIMUM. SolneĀno-zemnaĀ Fizika, 2020, 6, 86-89.	0.2	1
1968	Registering upper atmosphere parameters in East Siberia with Fabryâ€”Perot Interferometer KEO Scientific â€œArinaeâ€• SolneĀno-zemnaĀ Fizika, 2017, 3, 70-87.	0.2	7
1969	Investigating seasonal features of electron temperature enhancement regions in the subauroral ionosphere. SolneĀno-zemnaĀ Fizika, 2019, 5, 82-89.	0.2	1
1970	Calculating the ionization rate induced by GCR and SCR protons in Earthâ€™s atmosphere. SolneĀno-zemnaĀ Fizika, 2019, 5, 81-88.	0.2	2
1971	THE ATMOSPHERE BELOW 200 km OVER NORILSK AT SOLAR MINIMUM AND MAXIMUM. SolneĀno-zemnaĀ Fizika, 2020, 6, 105-109.	0.2	1
1972	Frequency chirped continuous-wave sodium laser guide stars: modeling and optimization. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1208.	0.9	8
1973	Ionospheric processes during the 7â€”10 November 2004 extreme geospace storm. 2. Simulation results and discussion. KosmĀna Nauka Ā TehnologĀ, 2007, 13, 77-90.	0.1	4

#	ARTICLE	IF	CITATIONS
1974	Infrasound induced plasma perturbations associated with geomagnetic pulsations. Russian Journal of Earth Sciences, 2019, 19, 1-11.	0.2	2
1975	Attitude Determination Concept for QSAT. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Pd_63-Pd_68.	0.2	11
1977	Standard: Astrodynamics - Propagation Specifications, Technical Definitions, and Recommended Practices (ANSI/AIAA S-131-2010(2016)). , 2010, , .		1
1978	Simultaneous Orbit and Atmospheric Density Estimation for a Satellite Constellation. , 2010, , .		4
1979	Atomic Oxygen Effects on Space Materials in Low Earth Orbit and Its Ground Evaluation. Journal of the Vacuum Society of Japan, 2009, 52, 475-483.	0.3	10
1980	Model Study on Neutral Winds in the Ionospheric F- Region and Comparison with the Equivalent Winds Derived from the Wuhan Ionosonde Data. Terrestrial, Atmospheric and Oceanic Sciences, 2003, 14, 001.	0.3	12
1981	Nonlinear inverse models for the control of satellites with flexible structures. , 2014, , .		5
1982	Where Did They Come From, Where Did They Go: Grazing Fireballs. Astronomical Journal, 2020, 159, 191.	1.9	7
1983	A Dynamic Trajectory Fit to Multisensor Fireball Observations. Astronomical Journal, 2020, 160, 190.	1.9	4
1984	Application of Propagation Modeling to Verify and Discriminate Ground-Truth Infrasound Signals at Regional Distances. InfraMatics, 2013, 02, 39-55.	2.0	13
1985	The Effects of the IERS Conventions (2010) on High Precision Orbit Propagation. Journal of Astronomy and Space Sciences, 2014, 31, 41-50.	0.3	4
1986	Propagation of gravity waves and its effects on pseudomomentum flux in a sudden stratospheric warming event. Atmospheric Chemistry and Physics, 2020, 20, 7617-7644.	1.9	7
1992	Model simulation of the global circulation in the middle atmosphere for January conditions. Advances in Geosciences, 0, 15, 11-16.	12.0	9
1993	Optimizing hydroxyl airglow retrievals from long-slit astronomical spectroscopic observations. Atmospheric Measurement Techniques, 2017, 10, 3093-3101.	1.2	4
1994	Recovery and validation of Odin/SMR long-term measurements of mesospheric carbon monoxide. Atmospheric Measurement Techniques, 2020, 13, 5013-5031.	1.2	3
1995	Global distributions of CO ₂ volume mixing ratio in the middle and upper atmosphere from daytime MIPAS high-resolution spectra. Atmospheric Measurement Techniques, 2016, 9, 6081-6100.	1.2	9
1997	Lightning-driven inner radiation belt energy deposition into the atmosphere: implications for ionisation-levels and neutral chemistry. Annales Geophysicae, 2007, 25, 1745-1757.	0.6	25
1998	Ionospheric F1 layer long-term trends and the geomagnetic control concept. Annales Geophysicae, 2008, 26, 3793-3803.	0.6	17

#	ARTICLE	IF	CITATIONS
1999	Radar cross sections for mesospheric echoes at Jicamarca. <i>Annales Geophysicae</i> , 2009, 27, 2675-2684.	0.6	14
2000	The influence of ozone concentration on the lower ionosphere – modelling and measurements during the 29 th –30 October 2003 solar proton event. <i>Annales Geophysicae</i> , 2009, 27, 577-589.	0.6	13
2001	Morphological features and variations of temperature in the upper thermosphere simulated by a whole atmosphere GCM. <i>Annales Geophysicae</i> , 2010, 28, 427-437.	0.6	27
2002	First experimental verification of summertime mesospheric momentum balance based on radar wind measurements at 69° N. <i>Annales Geophysicae</i> , 2015, 33, 1091-1096.	0.6	6
2003	Investigation of sources of gravity waves observed in the Brazilian equatorial region on 8 th April 2005. <i>Annales Geophysicae</i> , 2020, 38, 507-516.	0.6	4
2004	EUV-TEC proxy to describe ionospheric variability using satellite-borne solar EUV measurements. <i>Advances in Radio Science</i> , 0, 10, 259-263.	0.7	3
2005	Meteor heights during the recent solar minimum. <i>Advances in Radio Science</i> , 0, 12, 161-165.	0.7	9
2006	The International Reference Ionosphere: Rawer's IRI and its status today. <i>Advances in Radio Science</i> , 0, 12, 231-236.	0.7	13
2007	Delayed response of the global total electron content to solar EUV variations. <i>Advances in Radio Science</i> , 0, 14, 175-180.	0.7	15
2008	IRI the International Standard for the Ionosphere. <i>Advances in Radio Science</i> , 0, 16, 1-11.	0.7	212
2009	Description of the multi-approach gravity field models from Swarm GPS data. <i>Earth System Science Data</i> , 2020, 12, 1385-1417.	3.7	36
2010	Strato-mesospheric carbon monoxide profiles above Kiruna, Sweden (67.8 °N, 20.4 °E), since 2008. <i>Earth System Science Data</i> , 2017, 9, 77-89.	3.7	5
2011	Daedalus: a low-flying spacecraft for in situ exploration of the lower thermosphere-ionosphere. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2020, 9, 153-191.	0.6	25
2012	Comprehensive assessment of the accuracy of the data from near space meteorological rocket sounding. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013, 62, 199601.	0.2	9
2013	Pole Coordinates and Length of Day from Laser Ranging of Low Earth Orbiters. <i>Kinematics and Physics of Celestial Bodies</i> , 2021, 37, 263-268.	0.2	0
2014	Ion Heating in the Polar Cap Under Northwards IMF Bz. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029155.	0.8	0
2015	An Investigation of Auroral E Region Energy Exchange Using Poker Flat Incoherent Scatter Radar Observations During Fall Equinox Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029371.	0.8	4
2016	Ionization in the Earth's Atmosphere Due to Isotropic Energetic Electron Precipitation: Ion Production and Primary Electron Spectra. <i>Remote Sensing</i> , 2021, 13, 4161.	1.8	9

#	ARTICLE	IF	CITATIONS
2017	Challenges of the SAR-Enabled Microsatellite Concept INFANTE. Advances in Astronautics Science and Technology, 0, , 1.	0.5	0
2018	Modeling and causative mechanism of OI 630.0Ånm nightglow emission over Cachoeira Paulista (22.7oS,) Tj ETQq1.1 0.784314 rgBT 0	1.2	0
2019	Validation of SSUSI-derived auroral electron densities: comparisons to EISCAT data. Annales Geophysicae, 2021, 39, 899-910.	0.6	1
2020	Gravity Wave Breaking Associated with Mesospheric Inversion Layers as Measured by the Ship-Borne BEM Monge Lidar and ICON-MIGHTI. Atmosphere, 2021, 12, 1386.	1.0	9
2021	On the Electron Temperature in the Topside Ionosphere as Seen by Swarm Satellites, Incoherent Scatter Radars, and the International Reference Ionosphere Model. Remote Sensing, 2021, 13, 4077.	1.8	13
2022	Nitric oxide vibrationally excited levels and controlling processes in the Earth's upper atmosphere during the daytime. Advances in Space Research, 2021, 69, 905-905.	1.2	3
2023	Energy signature of ton TNT-class impacts: analysis of the 2018 December 22 fireball over Western Pyrenees. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5716-5733.	1.6	2
2025	The Potential of Remote Sensing for Neutral Atmospheric Density Estimation in a Data Assimilation System. Journal of the Astronautical Sciences, 2005, 53, 445-463.	0.8	1
2026	Sensitivities Of The MSIS-86 Thermosphere Model. , 2006, , .		0
2030	Features of the ionosphere storm on 4 April 2006. Kosmicheska Nauka i Tehnologii, 2008, 14, 65-76.	0.1	0
2031	Investigation and modeling of ionospheric plasma parameter variations during minimum period of the 23-th solar activity cycle. Kosmicheska Nauka i Tehnologii, 2008, 14, 44-56.	0.1	1
2033	New Features of the Field-Aligned-Integrated Conductivity Model for the Brazilian Equatorial E-Region and the Implication on the Collision Rates. , 2009, , .		0
2034	Standard: Astrodynamics - Propagation Specifications, Technical Definitions, and Recommended Practices (ANSI/AIAA S-131-2010(2016)). , 2010, , .		0
2035	Guide: Guide to Reference and Standard Atmosphere Models (AIAA G-003C-2010(2016)). , 2010, , .		2
2036	10.1007/s11478-008-1009-4. , 2010, 48, 75.		0
2037	Guide: Guide to Reference and Standard Atmosphere Models (AIAA G-003C-2010(2016)). , 2010, , .		0
2039	Thermospheric Density: An Overview of Temporal and Spatial Variations. Space Sciences Series of ISSI, 2011, , 147-173.	0.0	1
2040	Interactions Between the Lower, Middle and Upper Atmosphere. Space Sciences Series of ISSI, 2011, , 1-21.	0.0	0

#	ARTICLE	IF	CITATIONS
2042	The Near-Earth Plasma Environment. Space Sciences Series of ISSI, 2012, , 23-112.	0.0	3
2044	A Study on a High Precision Formation Flight Control Law. Aerospace Technology Japan the Japan Society for Aeronautical and Space Sciences, 2013, 12, 39-45.	0.1	0
2045	Properties of over-the-horizon propagation of infrasonic wave in the inhomogeneous atmosphere. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 154302.	0.2	2
2046	A Simulation Study of the Effect of Geomagnetic Activity on the Global Circulation in the Earth's Middle Atmosphere. Atmospheric and Climate Sciences, 2013, 03, 8-19.	0.1	4
2047	Feasibility of Semi-Passive Surface Accommodation Control in Rarefied Flows. , 2013, , .		0
2048	A Computational Study of the Transformation of Global Gas Flows in the Earth's Atmosphere over the Course of a Year. Open Journal of Fluid Dynamics, 2014, 04, 379-402.	0.3	1
2049	Atmospheric temperature profiles estimated by the vertical wind speed observed by MST radar. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 094301.	0.2	5
2050	Entry, Descent and Landing Systems. , 2014, , 515-539.		0
2051	Acoustic ray tracing in the atmosphere: with gravitational effect and attenuation considered. Annals of Geophysics, 2014, 57, .	0.5	1
2052	IONOSPHERIC STORM OF NOVEMBER 13 th 2012: SIMULATION RESULTS OF THERMAL AND DYNAMIC EFFECTS. Radio Physics and Radio Astronomy, 2014, 19, 336-347.	0.1	0
2054	Re-Entry Trajectory Analysis: Prediction of Uncontrolled Atmospheric Re-entry of Orbital Objects under Operational Aspects. , 2015, , 445-452.		0
2055	Atmospheric Remnants in the Low Earth Orbit Region around 200 km Altitude. World Journal of Engineering and Technology, 2015, 03, 26-32.	0.3	1
2059	THERMAL AND DYNAMIC PROCESSES IN IONOSPHERE DURING PARTIAL SOLAR ECLIPSE OF MARCH 20, 2015 OVER KHARKIV: CALCULATION RESULTS. Radio Physics and Radio Astronomy, 2015, 20, 295-304.	0.1	0
2060	Observations and Monte Carlo Simulation of the Princess Sirindhorn Neutron Monitor at a Vertical Rigidity Cutoff of 16.8 GV. , 2016, , .		0
2061	Relationship between the Neutron Time Delay Distribution and the Rigidity Spectrum of Primary Cosmic Rays up to 16.8GV. , 2016, , .		0
2062	Sensitivity of the world-wide neutron monitor network to solar neutrons: A revised approach. , 2016, , .		0
2063	Modeling of the effect of internal gravity waves on upper atmospheric conditions during sudden stratospheric warming. SolneĖno-zemnaĖ Fizika, 2016, 2, 69-73.	0.2	0
2065	Numerical Modeling of the Influence of the Relief of a Planet on the Global Circulation of the Earth's Stratosphere and Mesosphere. Atmospheric and Climate Sciences, 2017, 07, 496-510.	0.1	1

#	ARTICLE	IF	CITATIONS
2066	Locations Where Space Weather Energy Impacts the Atmosphere. Space Sciences Series of ISSI, 2017, , 461-487.	0.0	0
2069	Low-latitude ionospheric research using the CIRCE Mission: instrumentation overview. , 2017, , .		3
2070	Dependence of the F2-layer critical frequency median at midlatitudes on geomagnetic activity. SolneĀno-zemnaĀ Fizika, 2017, 3, 67-73.	0.2	2
2071	Dependence of the F2-layer critical frequency median at midlatitudes on geomagnetic activity. SolneĀno-zemnaĀ Fizika, 2017, 3, 74-81.	0.2	1
2072	Dynamic Data-Driven Uncertainty Quantification via Polynomial Chaos for Space Situational Awareness. , 2018, , 75-93.		3
2073	Low-Fidelity Modelling for Aerodynamic Characteristics of Re-Entry Objects. Thirty Years of Astronomical Discovery With UKIRT, 2018, , 247-264.	0.3	1
2074	Electron density at F1-layer heights in the last solar minimum (2007Ā2009). SolneĀno-zemnaĀ Fizika, 2018, 4, 72-75.	0.2	0
2075	Electron density at F1-layer heights in the last solar minimum (2007Ā2009). SolneĀno-zemnaĀ Fizika, 2018, 4, 61-63.	0.2	0
2076	The polarimetric performance of the Compton spectrometer and imager (COSI). , 2018, , .		6
2077	Characterizing temperature and water vapor of the environment using the standardized atmosphere generator (SAG) empirical model. , 2018, , .		0
2079	Modeling atomic oxygen nightglow during the strong magnetic storm on 20 November 2003. , 2018, , .		0
2080	Practical Uncertainty Quantification in Orbital Mechanics. Springer INdAM Series, 2019, , 291-328.	0.4	1
2081	Parameter Characterization of High Latitude Geomagnetic Storms in 2010. Journal of Geoscience and Environment Protection, 2019, 07, 163-170.	0.2	0
2082	Investigating seasonal features of electron temperature enhancement regions in the subauroral ionosphere. SolneĀno-zemnaĀ Fizika, 2019, 5, 62-68.	0.2	0
2083	Electron density in the F1 layer over Norilsk in 2007Ā2014. SolneĀno-zemnaĀ Fizika, 2019, 5, 124-128.	0.2	0
2084	Neutron monitor yield function at several altitudes above sea level: new improved computation. , 2019, , .		0
2085	Calculating the ionization rate induced by GCR and SCR protons in EarthĀs atmosphere. SolneĀno-zemnaĀ Fizika, 2019, 5, 68-74.	0.2	3
2087	Observations of the Nickel Layer in the Mesopause Region at Mid-Latitudes. EPJ Web of Conferences, 2020, 237, 04004.	0.1	0

#	ARTICLE	IF	CITATIONS
2089	Electron density in the polar {itshape F} region ionosphere during solar minimum: modeling, radar and ionosonde observations. Russian Journal of Earth Sciences, 2020, 20, 1-16.	0.2	0
2091	Specific Features of Radiation Transfer in the Hydrogen Lyman-alpha Line and Their Possible Relationship with Changes in the Electron Concentration in the Ionospheric D Region. Geomagnetism and Aeronomy, 2020, 60, 325-334.	0.2	0
2092	Lower-thermosphere response to solar activity: an empirical-mode-decomposition analysis of GOCE 2009â€“2012 data. Annales Geophysicae, 2020, 38, 789-800.	0.6	7
2093	Uncertainty Propagation Using Hybrid Methods. Advances in Intelligent Systems and Computing, 2021, , 709-717.	0.5	0
2094	High-altitude free fall and parameter estimation for undergraduate numerical techniques laboratory. European Journal of Physics, 2020, 41, 055803.	0.3	0
2095	The response of optical emission on heating of the ionosphere by powerful radio wave. , 2020, , .		0
2096	Simplicial Homology Global Optimisation in the Problem of Point-to-Point Ionospheric Ray Tracing. , 2020, , .		2
2097	The Current State and Future Directions of Modeling Thermosphere Density Enhancements During Extreme Magnetic Storms. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	9
2098	Topside measurements at Jicamarca during the 2019 â€•2020 deep solar minimum. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029695.	0.8	4
2099	Deriving column-integrated thermospheric temperature with the N<sub>2</sub> Lymanâ€“Birgeâ€“HopfieldÂ(2,0) band. Atmospheric Measurement 1.2 Techniques, 2021, 14, 6917-6928.		0
2101	Radiosonde-Based New Spatiotemporal Modelling for the Construction of Temperature Profiles for GNSS Applications. Lecture Notes in Electrical Engineering, 2020, , 232-239.	0.3	0
2102	Establishment of the Ground Evaluation and Operational Training System of Artificial Meteor Micro-satellite ALE-1. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2020, 18, 84-92.	0.1	4
2103	Time-dependent responses of the neutral mass density to fixed magnetospheric energy inputs into the cusp region in the thermosphere during a period of large IMF BY: a high-resolution two-dimensional local modeling. Earth, Planets and Space, 2021, 73, .	0.9	2
2104	Electron Lifetimes and Diffusion Rates Inferred From ELFIN Measurements at Low Altitude: First Results. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029757.	0.8	24
2105	Estimation of Ion Temperature in the Upper Ionosphere Along the Swarm Satellite Orbits. Earth and Space Science, 2021, 8, e2021EA001925.	1.1	9
2106	Taurid Stream #628: A Reservoir of Large Cometary Impactors. Planetary Science Journal, 2021, 2, 223.	1.5	5
2107	Effect of the physicochemical models of the Direct Simulation Monte Carlo method on the aerodynamic characteristics of reentry vehicles. Thermophysics and Aeromechanics, 2020, 27, 489-506.	0.1	0
2108	Comparison of the Intensity of the Nighttime Scattered Atmospheric Radiation in the Lyman-Alpha Line from OGO-4 Satellite Measurements and Calculations. Geomagnetism and Aeronomy, 2020, 60, 489-494.	0.2	0

#	ARTICLE	IF	CITATIONS
2113	A self-consistent method for the simulation of meteor trails with an application to radio observations. <i>Astronomy and Astrophysics</i> , 2020, 641, A100.	2.1	2
2114	A technical description of the Balloon Lidar Experiment (BOLIDE). <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5681-5695.	1.2	8
2115	ESTIMATED RELATIONS BETWEEN THE MAIN THERMOSPHERIC NEUTRAL COMPONENTS AT IONOSPHERIC F1-LAYER HEIGHTS ABOVE IRKUTSK IN 2014–2017. <i>Solneĭno-zemnaĭ Fizika</i> , 2020, 6, 90-93.	0.2	0
2116	ESTIMATED RELATIONS BETWEEN THE MAIN THERMOSPHERIC NEUTRAL COMPONENTS AT IONOSPHERIC F1-LAYER HEIGHTS ABOVE IRKUTSK IN 2014–2017. <i>Solneĭno-zemnaĭ Fizika</i> , 2020, 6, 110-114.	0.2	0
2117	Atomic-Scale Simulations of Meteor Ablation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, .	0.8	2
2118	King-Hele orbit theory for periodic orbit and attitude variations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1168-1187.	1.6	0
2119	Effects of nonlinear interactions of spectral components of acoustic-gravity waves in the atmosphere. , 2020, , .		0
2120	Retrieval of daytime mesospheric ozone using OSIRIS observations of O ₂ (<i>and; i&gt;a&gt;i&gt;&sup&gt;1&gt;/sup&gt;î&gt;sub&gt;g&gt;/sub&gt;</i>) emission. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6215-6236.	1.2	3
2122	Multi-Objective Optimisation under Uncertainty with Unscented Temporal Finite Elements. <i>Mathematics</i> , 2021, 9, 3010.	1.1	2
2123	Ionospheric Plasma Vertical Drift and Zonal Wind Variations Cause Unusual Evolution of EPBs During a Geomagnetically Quiet Night. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029893.	0.8	6
2124	Conjugate Photoelectron Energy Spectra Derived From Coincident FUV and Radio Measurements. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	5
2125	Exploring possible long orbital existence of submicronic man-made particles injected in the near-Earth space on geostationary orbit. <i>Advances in Space Research</i> , 2022, 69, 1564-1577.	1.2	1
2126	Compact Thermal Imager (CTI) for Atmospheric Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 4578.	1.8	2
2127	Observing electric field and neutral wind with EISCAT 3D. <i>Annales Geophysicae</i> , 2021, 39, 961-974.	0.6	2
2128	Occurrence and Variations of Middle and Low Latitude Sporadic E Layer Investigated With Longitudinal and Latitudinal Chains of Ionosondes. <i>Space Weather</i> , 2021, 19, e2021SW002942.	1.3	8
2129	Regulation of ionospheric plasma velocities by thermospheric winds. <i>Nature Geoscience</i> , 2021, 14, 893-898.	5.4	25
2130	Comparison of a Neutral Density Model With the SET HASDM Density Database. <i>Space Weather</i> , 2021, 19, e2021SW002888.	1.3	4
2131	Spectral Analysis of Individual Terrestrial Gamma-Ray Flashes Detected by ASIM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035347.	1.2	10

#	ARTICLE	IF	CITATIONS
2132	Millicharged particles from the heavens: single- and multiple-scattering signatures. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	12
2133	Solar EUV enhancement and thermospheric disturbances. <i>Space Weather</i> , 2021, 19, e2021SW002840.	1.3	1
2134	Fragmentation analysis of a break-up event in low earth orbit. <i>Journal of Space Safety Engineering</i> , 2021, , .	0.5	3
2135	Seasonal and Solar Cycle Dependence of Energy Transfer Rates in the Auroral E Region. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029719.	0.8	1
2136	Thermospheric Composition and Solar EUV Flux From the Global Scale Observations of the Limb and Disk (GOLD) Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029517.	0.8	26
2137	Modelling Inner Proton Belt Variability at Energies 1 to 10MeV using BASPRO. <i>Journal of Geophysical Research: Space Physics</i> , 0, , .	0.8	2
2138	The Possible Role of Turbopause on Sporadic E Layer Formation at Middle and Low Latitudes. <i>Space Weather</i> , 2021, 19, e2021SW002883.	1.3	6
2139	A Single-Mode Approximation for Gravity Waves in the Thermosphere. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2141	A Review of Grid-Based, Time-Domain Modeling of Electromagnetic Wave Propagation Involving the Ionosphere. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2021, 6, 214-228.	1.4	6
2142	Variation in the D-region ionosphere after the 2015 Nepal earthquake using LF transmitter signals. <i>Journal of Atmospheric Electricity</i> , 2021, 40, 1-9.	0.1	0
2143	Comparison of Atmospheric Mass Density Models Using a New Data Source: COSMIC Satellite Ephemerides. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2022, 37, 6-22.	2.3	0
2144	Nonlinear effects in natural and artificial aurora. , 2022, , 345-479.		0
2145	Impacts of Lower Thermospheric Atomic Oxygen and Dynamics on the Thermospheric Semiannual Oscillation Using GITM and WACCM-X. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
2146	Predicting the Daily 10.7-cm Solar Radio Flux Using the Long Short-Term Memory Method. <i>Universe</i> , 2022, 8, 30.	0.9	8
2147	CASPA-ADM: a mission concept for observing thermospheric mass density. <i>CEAS Space Journal</i> , 0, , 1.	1.1	1
2148	Energetic particle dynamics, precipitation, and conductivity. , 2022, , 217-300.		0
2149	Re-entry prediction of objects with low-eccentricity orbits based on mean ballistic coefficients. <i>Open Astronomy</i> , 2020, 29, 210-219.	0.2	0
2150	Pole coordinates and length of day from laser ranging of low Earth orbiters. <i>Kinematika I Fizika Nebesnykh Tel</i> , 2021, 37, 66-73.	0.1	0

#	ARTICLE	IF	CITATIONS
2151	Atmospheric Environment Data Generation Method Based on Stacked LSTM-GRU. , 2021, , .		1
2152	Effects of EMIC Wave-Driven Proton Precipitation on the Ionosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	8
2153	Statistical Characterization of GITM Thermospheric Horizontal Winds in Comparison to GOCE Estimations. Space Weather, 2022, 20, .	1.3	0
2154	Ionosphere-thermosphere interaction. , 2022, , 441-546.		0
2155	Evidence for Short Temporal Atmospheric Variations Observed by Infrasonic Signals: 1. The Troposphere. Earth and Space Science, 2022, 9, .	1.1	11
2156	Performance evaluation of a plasma generator and ion optics for air-breathing ion engine. CEAS Space Journal, 2022, 14, 749-755.	1.1	2
2157	Stagnation-Point Ablation Analysis of Orbital Re-Entry Experiment. , 2022, , .		0
2158	An electrodynamic model for Data Interpretation and Numerical Analysis of ionospheric Missions and Observations (DINAMO). Progress in Earth and Planetary Science, 2022, 9, .	1.1	1
2159	On the force of vertical winds in the upper atmosphere: consequences for small biological particles. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, 20210626.	1.0	1
2160	Calibrating GNSS phase biases with onboard observations of low earth orbit satellites. Journal of Geodesy, 2022, 96, 1.	1.6	2
2161	Simultaneous Action of X- and O-Mode HF Pump Waves on the High-Latitude Upper (F-Region) Ionosphere at EISCAT. Universe, 2022, 8, 91.	0.9	0
2162	Thermospheric density enhancement and limb O 130.4Ånm radiance increase during geomagnetic storms. Journal of Atmospheric and Solar-Terrestrial Physics, 2022, 229, 105830.	0.6	1
2163	High-Latitude Electrodynamic Specified in SAMI3 Using AMPERE Field-Aligned Currents. Space Weather, 2022, 20, .	1.3	4
2164	Subauroral geospace. , 2022, , 481-610.		3
2165	The Mid- to High-Latitude Migrating Semidiurnal Tide: Results From a Mechanistic Tide Model and SuperDARN Observations. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3
2166	A Modeling Analysis of the Apparent Linear Relation Between Mesospheric Temperatures and Meteor Height Distributions Measured by a Meteor Radar. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
2167	Studying nighttime nitric oxide emission at 5.3 Åm during the geomagnetic storm in the Earth's ionosphere. Astrophysics and Space Science, 2022, 367, .	0.5	0
2168	A decentralized approach for formation flying reconfiguration and maintenance using GNSS-based navigation. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
2169	Assessment of ERA-5 Temperature Variability in the Middle Atmosphere Using Rayleigh LiDAR Measurements between 2005 and 2020. <i>Atmosphere</i> , 2022, 13, 242.	1.0	4
2170	Verifications of a 3-D regional ionospheric physics-based model over the Korean peninsula. <i>Advances in Space Research</i> , 2022, 69, 1257-1271.	1.2	0
2171	A Comparison of the Midlatitude Nickel and Sodium Layers in the Mesosphere: Observations and Modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	4
2172	Validation of regional and global ionosphere maps from GNSS measurements versus IRI2016 during different magnetic activity. <i>Journal of Applied Geodesy</i> , 2022, 16, 229-240.	0.6	2
2174	Ionization effect in the Earth's atmosphere due to cosmic rays during the GLE on 17 May 2012. <i>Advances in Space Research</i> , 2022, 69, 2893-2901.	1.2	3
2175	A framework to estimate local atmospheric densities with reduced drag coefficient biases. <i>Space Weather</i> , 0, , .	1.3	0
2176	Forecasting global and multi-level thermospheric neutral density and ionospheric electron content by tuning models against satellite-based accelerometer measurements. <i>Scientific Reports</i> , 2022, 12, 2095.	1.6	6
2177	Evaluation of Empirical Atmospheric Models Using Swarm-C Satellite Data. <i>Atmosphere</i> , 2022, 13, 294.	1.0	68
2178	Orbital Maneuver Evaluation of Micro-satellite ALE-1 with a Separable Drag Sail. , 2022, , .		1
2179	COMPASS: A New Conductance Model Based on PFISR And SWARM Satellite Observations. <i>Space Weather</i> , 2022, 20, .	1.3	5
2180	Rarefied Flow Simulation of Conical Intake and Plasma Thruster for Very Low Earth Orbit Spaceflight. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	10
2181	Analysis of Precise Orbit Determination for the HY2D Satellite Using Onboard GPS/BDS Observations. <i>Remote Sensing</i> , 2022, 14, 1390.	1.8	3
2182	Using Temporal Relationship of Thermospheric Density With Geomagnetic Activity Indices and Joule Heating as Calibration for NRLMSISE-00 During Geomagnetic Storms. <i>Space Weather</i> , 2022, 20, .	1.3	2
2183	Exospheric Temperature Measured by NASA's GOLD Under Low Solar Activity: Comparison With Other Data Sets. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	4
2184	Simulation of Infrasonic Acoustic Wave Imprints on Airglow Layers During the 2016 M7.8 Kaikoura Earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	1
2185	A comparative study of ionospheric TEC diurnal variations at two stations near cusp latitudes in the Southern Hemisphere. <i>Advances in Space Research</i> , 2022, , .	1.2	1
2186	A Study on Monte Carlo Simulation of the Radiation Environment above GeV at the DAMPE Orbit. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 045011.	0.7	0
2187	Influence analysis of Waverider wake on the deflection rate of light. <i>Aerospace Systems</i> , 0, , 1.	0.7	0

#	ARTICLE	IF	CITATIONS
2188	Identification of Acoustic Wave Signatures in the Ionosphere From Conventional Surface Explosions Using MF/HF Doppler Sounding. <i>Radio Science</i> , 2022, 57, .	0.8	3
2189	Quasi-€Trapped Electron Fluxes Induced by NWC Transmitter and CRAND: Observations and Simulations. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
2190	Measurement of Galactic ²⁶ Al with the Compton Spectrometer and Imager. <i>Astrophysical Journal</i> , 2022, 928, 119.	1.6	6
2191	Comparison of mesospheric sodium profile retrievals from OSIRIS and SCIAMACHY nightglow measurements. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3191-3202.	1.9	2
2192	Investigations of the Ballistic Coefficient Estimation Methods to Improve Accuracy of Reentry Analysis. , 2022, , .		1
2193	Long-€Range Multi-€Year Infrasonic Detection of Eruptive Activity at Mount Michael Volcano, South Sandwich Islands. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
2194	PicSat-€™s Enduring Legacy. Probing the Flight of a Small Astronomical Satellite. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 034501.	1.0	1
2195	Investigation of near-surface chemical explosions effects using seismo-acoustic and synthetic aperture radar analyses. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 1575-1592.	0.5	6
2196	Numerical Modeling of the General Circulation of the Earth-€™s Lower and Middle Atmosphere in Mid-January. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2022, 86, 354-363.	0.1	0
2197	Electron-€neutral collisions effects on Langmuir probe in the lower E-region ionosphere. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	2
2198	Drag Coefficient Constraints for Space Weather Observations in the Upper Thermosphere. <i>Space Weather</i> , 2022, 20, .	1.3	3
2199	Level-2 processor and auxiliary data for ESA Version 8 final full mission analysis of MIPAS measurements on ENVISAT. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1871-1901.	1.2	2
2200	3D Numerical Simulation of Secondary Wave Generation From Mountain Wave Breaking Over Europe. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	4
2201	Plasma-neutral gas interactions in various space environments: Assessment beyond simplified approximations as a Voyage 2050 theme. <i>Experimental Astronomy</i> , 0, , 1.	1.6	1
2202	Simulation and optimization of Fe resonance fluorescence lidar performance for temperature-wind measurement. <i>Optics Express</i> , 2022, 30, 13278.	1.7	3
2203	Numerical Simulations on Day-€to-€Day Variations of Low-€Latitude Es Layers at Arecibo. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
2204	A method for the experimental characterisation of novel drag-reducing materials for very low Earth orbits using the Satellite for Orbital Aerodynamics Research (SOAR) mission. <i>CEAS Space Journal</i> , 2022, 14, 655-674.	1.1	4
2205	Differential Ablation of Organic Coatings From Micrometeoroids Simulated in the Laboratory. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	5

#	ARTICLE	IF	CITATIONS
2206	Analysis of Reentry and Break-Up Forces from Impulse Facility Experiments and Numerical Rebuilding. <i>Journal of Spacecraft and Rockets</i> , 2022, 59, 1276-1288.	1.3	3
2207	On the Importance of Using Event-Specific Wave Diffusion Rates in Modeling Diffuse Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	5
2208	On the detection of direct Cherenkov light from ultrahigh-energy cosmic rays. <i>Astroparticle Physics</i> , 2022, , 102706.	1.9	0
2209	Modeling and probabilistic analysis of civil aircraft operational risk for suborbital disintegration accidents. <i>PLoS ONE</i> , 2022, 17, e0266514.	1.1	2
2210	Machine-Learned HASDM Thermospheric Mass Density Model With Uncertainty Quantification. <i>Space Weather</i> , 2022, 20, .	1.3	18
2211	New method for Earth neutral atmospheric density retrieval based on energy spectrum fitting during occultation with LE/Insight-HXMT. <i>Advances in Space Research</i> , 2022, 69, 3426-3434.	1.2	8
2212	ADBSat: Verification and validation of a novel panel method for quick aerodynamic analysis of satellites. <i>Computer Physics Communications</i> , 2022, 275, 108327.	3.0	1
2213	The F10.7 Solar Radio Flux Prediction Based On LSTM Neural Network. , 2021, , .		0
2214	Comparison of Three Methodologies for Removal of Random-Noise-Induced Biases From Second-Order Statistical Parameters of Lidar and Radar Measurements. <i>Earth and Space Science</i> , 2022, 9, .	1.1	2
2215	Scale Factors of the Thermospheric Density: A Comparison of Satellite Laser Ranging and Accelerometer Solutions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	2
2216	Modelling the influence of meteoric smoke particles on artificial heating in the D-region. <i>Annales Geophysicae</i> , 2021, 39, 1055-1068.	0.6	1
2217	Improved Neutral Density Predictions Through Machine Learning Enabled Exospheric Temperature Model. <i>Space Weather</i> , 2021, 19, .	1.3	6
2218	HEPPA III Intercomparison Experiment on Electron Precipitation Impacts: 1. Estimated Ionization Rates During a Geomagnetic Active Period in April 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	16
2219	Heppa III Intercomparison Experiment on Electron Precipitation Impacts: 2. Model-Measurement Intercomparison of Nitric Oxide (NO) During a Geomagnetic Storm in April 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	10
2220	A New MEPED-Based Precipitating Electron Data Set. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	12
2221	Primary Versus Secondary Gravity Wave Responses at F-Region Heights Generated by a Convective Source. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	10
2222	Non-gravitational force measurement and correction by a precision inertial sensor of TianQin-1 satellite. <i>Classical and Quantum Gravity</i> , 2022, 39, 115005.	1.5	5
2223	Measurements of natural radiation with an MDU Liulin type device at ground and in the atmosphere at various conditions in the Arctic region. <i>Radiation Measurements</i> , 2022, 154, 106757.	0.7	5

#	ARTICLE	IF	CITATIONS
2224	Simulation of Ionospheric Perturbations Induced by Rocket-Propelled Vehicle: A Semi-Empirical Approach. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	0
2225	Calculation of the atmospheric cosmic ray flux and dosimetry with EXPACS code. <i>Journal of the Korean Physical Society</i> , 0, , .	0.3	0
2226	Design of Meteor and Ionospheric Irregularity Observation System and First Results. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	8
2227	Rapid Conjugate Appearance of the Giant Ionospheric Lamb Wave Signatures in the Northern Hemisphere After Hunga-Tonga Volcano Eruptions. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	83
2228	La Soufriere Volcanic Eruptions Launched Gravity Waves Into Space. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	11
2229	The Molecular Oxygen Density Structure of the Lower Thermosphere as Seen by GOLD and Models. <i>Geophysical Research Letters</i> , 0, , .	1.5	1
2230	Storm time neutral density assimilation in the thermosphere ionosphere with TIDA. <i>Journal of Space Weather and Space Climate</i> , 2022, 12, 16.	1.1	1
2231	A planning tool for optimal three-dimensional formation flight maneuvers of satellites in VLEO using aerodynamic lift and drag via yaw angle deviations. <i>Acta Astronautica</i> , 2022, 198, 135-151.	1.7	5
2235	Extended Kalman filter-based precise orbit estimation of LEO satellites using GPS range measurements. <i>IFAC-PapersOnLine</i> , 2022, 55, 235-240.	0.5	5
2236	Studying Specific Features of the Propagation of Atmospheric Waves Generated by Tropospheric Sources and Variations in the Surface Pressure. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2022, 58, 30-43.	0.2	0
2237	Modeling Seasonal Variations in the Intensity of Internal Gravity Waves in the Lower Thermosphere. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2022, 58, 68-79.	0.2	2
2238	Key parameters governing the ground risk from reentering pressure vessel debris. <i>Journal of Space Safety Engineering</i> , 2022, 9, 189-200.	0.5	4
2239	Imager observation of concentric mesospheric gravity waves over Srinagar, Jammu and Kashmir, India. <i>Advances in Space Research</i> , 2022, 70, 427-439.	1.2	1
2240	Copernicus Sentinel-1 POD reprocessing campaign. <i>Advances in Space Research</i> , 2022, 70, 249-267.	1.2	7
2241	The AETHER project: development of air-breathing electric propulsion for VLEO missions. <i>CEAS Space Journal</i> , 2022, 14, 717-740.	1.1	14
2242	Orbit-localised thermosphere density prediction using a Kalman filter based calibration of empirical models. <i>Acta Astronautica</i> , 2022, , .	1.7	0
2243	Time-Dependent Electron Transport I Modelling of Suprathermal Electron Bursts modulated at 5-10 Hz with Implications for Flickering Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 0, , .	0.8	0
2244	Vertical Coupling by Solar Semidiurnal Tides in the Thermosphere From ICON/MIGHTI Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	16

#	ARTICLE	IF	CITATIONS
2245	Uncertainty quantification techniques for data-driven space weather modeling: thermospheric density application. <i>Scientific Reports</i> , 2022, 12, 7256.	1.6	9
2246	Atmospheric waves and global seismoacoustic observations of the January 2022 Hunga eruption, Tonga. <i>Science</i> , 2022, 377, 95-100.	6.0	170
2248	A New Global Ionospheric Electron Density Model Based on Grid Modeling Method. <i>Space Weather</i> , 2022, 20, .	1.3	5
2249	çfã½çâ«æ~ÿè½”é“â\$æ°”â°±ä½æŽçæµ«â^æœÿç»“æžœ. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2022, , 1		
2250	Analysis of Precise Orbit Determination for Maneuvering HY2C and HY2D Satellites Using DORIS/RINEX Data. <i>Advances in Space Research</i> , 2022, , .	1.2	1
2251	Statistical Characteristics of High-Frequency Gravity Waves Observed by an Airglow Imager at Andes Lidar Observatory. <i>Earth and Space Science</i> , 2022, 9, .	1.1	5
2252	Active Precipitation of Radiation Belt Electrons using Rocket Exhaust Driven Amplification (REDA) of Man-Made Whistlers. <i>Journal of Geophysical Research: Space Physics</i> , 0, , .	0.8	5
2253	Imaging Low-Energy Ion Outflow in the Auroral Zone. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	1
2254	Locally optimal control laws for Earth-bound solar sailing with atmospheric drag. <i>Aerospace Science and Technology</i> , 2022, 127, 107666.	2.5	8
2255	Monopoles from an Atmospheric Fixed Target Experiment. <i>Physical Review Letters</i> , 2022, 128, .	2.9	2
2256	Satellite drag coefficient modeling for thermosphere science and mission operations. <i>Advances in Space Research</i> , 2023, 72, 5443-5459.	1.2	7
2257	Asymmetric Development of Equatorial Plasma Bubbles Observed at Geomagnetically Conjugate Points Over the Brazilian Sector. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	6
2258	Impact of Soft Electron Precipitation on the Thermospheric Neutral Mass Density During Geomagnetic Storms: GITM Simulations. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
2259	IMS observations of infrasound and acoustic-gravity waves produced by the January 2022 volcanic eruption of Hunga, Tonga: A global analysis. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117639.	1.8	54
2260	Improvement of orbit prediction accuracy using extreme gradient boosting and principal component analysis. <i>Open Astronomy</i> , 2022, 31, 229-243.	0.2	3
2261	Measurement of the vertical atmospheric density profile from the X-ray Earth occultation of the Crab Nebula with Insight-HXMT. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3141-3159.	1.2	4
2262	Validation of enabling technologies for deorbiting devices based on electrodynamic tethers. <i>Acta Astronautica</i> , 2022, 198, 707-719.	1.7	11
2263	Optimal Conflict Management Strategies for Balloon-Airship Encounters in Upper Class E Traffic Management (ETM). , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2264	A code for the analysis of missions with electrodynamic tethers. <i>Acta Astronautica</i> , 2022, 198, 471-481.	1.7	7
2265	Vector spherical harmonics for data-assimilative neutral wind estimation. <i>Space Weather</i> , 0, , .	1.3	0
2266	Direct Numerical Simulations of Nonlinear Infrasound Propagation in the Atmosphere. , 2022, , .		0
2267	An optimal estimation-based retrieval of upper atmospheric oxygen airglow and temperature from SCIAMACHY limb observations. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3721-3745.	1.2	0
2268	Seasonal Variation of Thermospheric Composition Observed by NASA GOLD. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	22
2269	Contribution of the lower atmosphere to the day-to-day variation of thermospheric density. <i>Advances in Space Research</i> , 2023, 72, 5460-5475.	1.2	4
2270	Effective Solar-Activity Index for Short-Term Forecasting of the Mean Solar-Activity Index. <i>Geomagnetism and Aeronomy</i> , 2022, 62, 178-181.	0.2	3
2271	A new ambiguity resolution method for LEO precise orbit determination. <i>Journal of Geodesy</i> , 2022, 96, .	1.6	0
2272	Reconstruction of precipitating electrons and three-dimensional structure of a pulsating auroral patch from monochromatic auroral images obtained from multiple observation points. <i>Annales Geophysicae</i> , 2022, 40, 475-484.	0.6	2
2273	Modeling the Albedo Neutron Decay Source of Radiation Belt Electrons and Protons. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	1
2274	Vertical Transport of Sensible Heat and Meteoric Na by the Complete Temporal Spectrum of Gravity Waves in the MLT Above McMurdo (77.84°S, 166.67°E), Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , .	1.2	2
2275	Correlation between waverider shock waves and aerodynamic forces in supersonic rarefied flow, experimental investigation in the wind tunnel MARHy. <i>Acta Astronautica</i> , 2022, 199, 86-102.	1.7	2
2276	Recent development of intake devices for atmosphere-breathing electric propulsion system. <i>Progress in Aerospace Sciences</i> , 2022, 133, 100848.	6.3	10
2277	Times of Existence of Technogenic Microparticles Injected into Near-Earth Space in a Geostationary Orbit. <i>Cosmic Research</i> , 2022, 60, 275-281.	0.2	1
2278	Investigating cosmic ray elemental spectra and the atmospheric muon neutrino flux. <i>Advances in Space Research</i> , 2022, 70, 2703-2713.	1.2	1
2279	A numerical approach to evaluate temperature-dependent peridynamics damage model for destructive atmospheric entry of spacecraft. <i>Aeronautical Journal</i> , 2023, 127, 398-427.	1.1	1
2280	Direct Determination of Geomagnetic Baselines During Quiet Periods for Low- and Mid-Latitude Observatories. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	0
2281	CHESS: Measuring the Dynamics of Composition and Density of Earth's Upper Atmosphere with CubeSats. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
2282	ä,â>½ç©°é—ç«™è;è;Ēè½“é“ä,Šå\$æ°”â†â° â°±â½æŽæµκ. Chinese Science Bulletin, 2022, , .	0.4	0
2283	Topside equatorial spread F-related field-aligned Poynting flux: observations and simulations. Earth, Planets and Space, 2022, 74, .	0.9	3
2284	On the Kinetic Theory of Subauroral Arcs. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	10
2285	Relativistic location algorithm in curved spacetime. Physical Review D, 2022, 106, .	1.6	1
2286	Analysis of Electron Precipitation and Ionospheric Density Enhancements Due To Hiss Using Incoherent Scatter Radar and Arase Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	3
2287	Thermospheric parameters contribution to the formation of Yakutsk F2-layer diurnal summer time anomaly. Scientific Reports, 2022, 12, .	1.6	0
2288	Analysis of Orbital Atmospheric Density from QQ-Satellite Precision Orbits Based on GNSS Observations. Remote Sensing, 2022, 14, 3873.	1.8	6
2289	Investigations on Concentric Gravity Wave Sources over the Brazilian Equatorial Region. Journal of Geophysical Research D: Atmospheres, 0, , .	1.2	1
2290	Ejection velocities, age, and formation process of SPE meteoroid cluster. Astronomy and Astrophysics, 2022, 666, A144.	2.1	3
2291	Numerical Modeling of Tsunamiâ€Generated Acousticâ€Gravity Waves in Mesopause Airglow. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
2292	Similarities of acoustic-gravity waves propagating to the upper atmosphere from tropospheric heat sources and related surface pressure perturbations. Advances in Space Research, 2022, 70, 3706-3717.	1.2	1
2293	Spatial-resolution impacts on local infrasound propagation. Journal of the Acoustical Society of America, 2022, 152, 1090-1105.	0.5	1
2294	Arecibo measurements of D-region electron densities during sunset and sunrise: implications for atmospheric composition. Annales Geophysicae, 2022, 40, 519-530.	0.6	4
2295	Predicting infrasound transmission loss using deep learning. Geophysical Journal International, 2022, 232, 274-286.	1.0	2
2296	Accelerating Earth-bound dark matter. Physical Review D, 2022, 106, .	1.6	9
2297	Sensitivity of the 4â€10-Day Planetary Wave Structures in the Middle Atmosphere to the Solar Activity Effects in the Thermosphere. Atmosphere, 2022, 13, 1325.	1.0	2
2298	Improving estimates of the ionosphere during geomagnetic storm conditions through assimilation of thermospheric mass density. Earth, Planets and Space, 2022, 74, .	0.9	4
2299	A Test of Energetic Particle Precipitation Models Using Simultaneous Incoherent Scatter Radar and Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	5

#	ARTICLE	IF	CITATIONS
2300	Connecting energy input with ionospheric upflow and outflow. Journal of Geophysical Research: Space Physics, 0, , .	0.8	2
2301	A Nonlinear Numerical Model for Comparative Study of Acousticâ€Gravity Wave Propagation in Planetary Atmospheres: Application to Earth and Mars. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	0
2302	Neutral Composition Information in ICON EUV Dayglow Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
2303	Global Gravity Field Model from Taiji-1 Observations. Microgravity Science and Technology, 2022, 34, .	0.7	1
2304	Specifying Satellite Drag Through Coupled Thermosphereâ€Ionosphere Data Assimilation of Radio Occultation Electron Density Profiles. Space Weather, 2022, 20, .	1.3	2
2305	Multiplexed MPC attitude control of a moving mass satellite using dual-rate piecewise affine model. Aerospace Science and Technology, 2022, 128, 107778.	2.5	9
2306	Hadrophilic light dark matter from the atmosphere. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137363.	1.5	10
2307	Tracklet-to-object Matching for Climbing Starlink Satellites through Recursive Orbit Determination and Prediction. Research in Astronomy and Astrophysics, 2022, 22, 115010.	0.7	2
2308	Modeling of Diurnal Variation Characteristics of VLF Wave Propagation in Earth-Ionosphere Waveguide With FDTD Method. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 2407-2411.	2.4	2
2309	Wind Effects in the Thermosphere during the Propagation of Atmospheric Waves Generated by a Tropospheric Heat Source. Geomagnetism and Aeronomy, 2022, 62, 453-459.	0.2	1
2310	Review of Environmental Monitoring by Means of Radio Waves in the Polar Regions: From Atmosphere to Geospace. Surveys in Geophysics, 2022, 43, 1609-1698.	2.1	2
2311	A Case Study of Midlatitude Noctilucent Clouds and Its Relationship to the Secondaryâ€Generation Gravity Waves Over Tropopause Inversion Layer. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	2
2312	Observations of the October Draconid outburst at different latitudes along 120Â°E. Monthly Notices of the Royal Astronomical Society, 2022, 516, 5538-5543.	1.6	1
2313	Suggestions on the teaching of atmospheric pressure at university and secondary school levels. Physics Education, 2022, 57, 065022.	0.3	0
2314	The International Reference Ionosphere Model: A Review and Description of an Ionospheric Benchmark. Reviews of Geophysics, 2022, 60, .	9.0	72
2315	Survival of Terrestrial N₂â€O₂ Atmospheres in Violent XUV Environments through Efficient Atomic Line Radiative Cooling. Astrophysical Journal, 2022, 937, 72.	1.6	16
2316	Constraining the Upper Level Vibrational Populations of the N ₂ Lymanâ€Birgeâ€Hopfield Band System Using GOLD Mission's Dayglow Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	0
2317	0-D composition and performance analysis of an air-breathing radiofrequency ion thruster. Journal of Electric Propulsion, 2022, 1, .	0.6	5

#	ARTICLE	IF	CITATIONS
2318	Computation of Artificial Meteors Trajectory and Ablation. Journal of the Astronautical Sciences, 0, , .	0.8	0
2319	Station-dependent satellite laser ranging measurement corrections for TOPEX/Poseidon. Advances in Space Research, 2023, 71, 975-996.	1.2	4
2320	Air-breathing electric propulsion: mission characterization and design analysis. Journal of Electric Propulsion, 2022, 1, .	0.6	7
2321	Design and optimisation of a passive Atmosphere-Breathing Electric Propulsion (ABEP) intake. Acta Astronautica, 2023, 202, 77-93.	1.7	3
2322	How do gravity waves triggered by a typhoon propagate from the troposphere to the upper atmosphere?. Atmospheric Chemistry and Physics, 2022, 22, 12077-12091.	1.9	4
2323	Estimated equivalent radiation dose at different altitudes in Earth's atmosphere. SolneĀno-zemnaĀ Fizika, 2022, 8, 27-31.	0.2	2
2324	Estimated equivalent radiation dose at different altitudes in Earth's atmosphere. SolneĀno-zemnaĀ Fizika, 2022, 8, 29-34.	0.1	0
2325	Uncertainty-aware Cube algorithm for medium-term collision risk assessment. Advances in Space Research, 2023, 71, 539-555.	1.2	3
2326	Description and comparison of 21st century thermosphere data. Advances in Space Research, 2023, 72, 5476-5489.	1.2	2
2327	Determining the Origin of Tidal Oscillations in the Ionospheric Transition Region With EISCAT Radar and Global Simulation Data. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
2328	Stratospheric Balloon Observations of Infrasound Waves From the 15 January 2022 Hunga Eruption, Tonga. Geophysical Research Letters, 2022, 49, .	1.5	11
2329	Analysis of upper atmospheric effects on material per onboard atomic oxygen monitor system of SLATS. Frontiers in Space Technologies, 0, 3, .	0.8	1
2330	Thermospheric Conditions Associated With the Loss of 40 Starlink Satellites. Space Weather, 2022, 20, .	1.3	13
2331	NRLMSIS 2.1: An Empirical Model of Nitric Oxide Incorporated Into MSIS. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	12
2332	Optimisation of satellite geometries in Very Low Earth Orbits for drag minimisation and lifetime extension. Acta Astronautica, 2022, 201, 340-352.	1.7	8
2333	A New Exospheric Temperature Model Based on CHAMP and GRACE Measurements. Remote Sensing, 2022, 14, 5198.	1.8	1
2334	Decay times of atmospheric acoustic-gravity waves after deactivation of wave forcing. Atmospheric Chemistry and Physics, 2022, 22, 13713-13724.	1.9	4
2335	Two-Dimensional Local Modeling of Thermospheric Heating and Neutral Mass Density Enhancement Driven by Alfvén Waves. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1

#	ARTICLE	IF	CITATIONS
2336	Seismic induced Ground deformation and Ionospheric perturbations of the 29 th July 2021, M _w 8.2 Chignik earthquake, Alaska. Journal of Geophysical Research: Space Physics, 0, , .	0.8	0
2337	On the green isolated proton auroras during Canada thanksgiving geomagnetic storm. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	0
2338	Seasonal Oscillations of Thermosphere Neutral Density at Dusk/Dawn as Measured by Three Satellite Missions. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
2339	Solar Cycle, Seasonal, and Dawnâ€”Dusk Variations of the Hydrogen in the Upper Thermosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
2340	A Novel Method to Derive Exospheric Temperatures from Swarm Thermospheric Densities during Quiet Times. Remote Sensing, 2022, 14, 5382.	1.8	0
2341	Very low thrust station-keeping for low Earth orbiting satellites. Advances in Space Research, 2022, , .	1.2	0
2342	Research on the Measurement Accuracy of Shipborne Rayleigh Scattering Lidar. Remote Sensing, 2022, 14, 5033.	1.8	1
2343	Simulation Calculation of Element Number Density in the Earthâ€™s Atmosphere Based on X-ray Occultation Sounding. Remote Sensing, 2022, 14, 4971.	1.8	0
2344	A Comparative Study of Ionospheric Response to Solar Flares at Earth, Venus, and Mars. Astrophysical Journal, 2022, 939, 23.	1.6	3
2345	Cooling and Contraction of the Mesosphere and Lower Thermosphere From 2002 to 2021. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	18
2346	Comparison between Different Re-Entry Technologies for Debris Mitigation in LEO. Applied Sciences (Switzerland), 2022, 12, 9961.	1.3	3
2347	Ionospheric <i>D</i> Region: VLFâ€”Measured Electron Densities Compared With Rocketâ€”Based FIRIâ€”2018 Model. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
2348	Space Weather Environment During the SpaceX Starlink Satellite Loss in February 2022. Space Weather, 2022, 20, .	1.3	37
2349	Altitude Extension of the NCARâ€”TIEGCM (TIEGCMâ€”X) and Evaluation. Space Weather, 2022, 20, .	1.3	3
2350	Preliminary design and study of 5N HTP monopropellant thruster for small satellites. Acta Astronautica, 2023, 202, 94-103.	1.7	3
2351	Modeling and correction of fringe patterns in Doppler asymmetric spatial heterodyne interferometry. Applied Optics, 2022, 61, 10528.	0.9	1
2352	Model predictive tracking of spacecraft deorbit trajectories using drag modulation. Acta Astronautica, 2023, 202, 670-685.	1.7	3
2353	Largeâ€”Scale Depletion of Nighttime Oxygen Ions at the Low and Middle Latitudes in the Winter Hemisphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1

#	ARTICLE	IF	CITATIONS
2354	Space Weather Effects Observed in the Northern Hemisphere during November 2021 Geomagnetic Storm: The Impacts on Plasmasphere, Ionosphere and Thermosphere Systems. <i>Remote Sensing</i> , 2022, 14, 5765.	1.8	8
2355	Orbital error propagation considering atmospheric density uncertainty. <i>Advances in Space Research</i> , 2023, 71, 2566-2574.	1.2	2
2357	Aerothermal effects of ablation on carbon-based space objects. <i>International Journal of Heat and Mass Transfer</i> , 2023, 202, 123731.	2.5	2
2358	Validation of Atmospheric Absorption Models within the 20–60 GHz Band by Simultaneous Radiosonde and Microwave Observations: The Advantage of Using ECS Formalism. <i>Remote Sensing</i> , 2022, 14, 6042.	1.8	4
2359	Thermosphere Neutral Densities at Dusk/Dawn Derived from Space-Borne Atmospheric Density Detectors. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 79-92.	0.3	0
2360	On the importance of neutral composition and temperature measurements in the 100–200 km altitude region. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	2
2361	Automated Plume Sentry Observations During International Space Station Thermal Control System Venting. <i>Journal of Spacecraft and Rockets</i> , 0, , 1-12.	1.3	0
2362	Sources of concentric gravity waves generated by a moving mesoscale convective system in southern Brazil. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 15153-15177.	1.9	1
2363	Direct measurement of decimetre-sized rocky material in the Oort cloud. <i>Nature Astronomy</i> , 2023, 7, 318-329.	4.2	4
2364	Ionospheric response modeling under eclipse conditions: Evaluation of 14 December 2020, total solar eclipse prediction over the South American sector. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	2
2366	Signature of gravity wave propagations from the troposphere to ionosphere. <i>Annales Geophysicae</i> , 2022, 40, 665-672.	0.6	1
2367	The State-of-the-Art Model Atmosphere From the Surface to 110 km Over the Indian Tropical Region for ISRO Launching Vehicle Applications: Developed From In Situ and Space-Based Measurements. <i>Earth and Space Science</i> , 2023, 10, .	1.1	1
2368	Improving the estimation of thermospheric neutral density via two-step assimilation of in situ neutral density into a numerical model. <i>Earth, Planets and Space</i> , 2022, 74, .	0.9	2
2369	A review of air-breathing electric propulsion: from mission studies to technology verification. <i>Journal of Electric Propulsion</i> , 2022, 1, .	0.6	12
2370	Meso-Scale Electrodynamical Coupling of the Earth Magnetosphere-Ionosphere System. <i>Space Science Reviews</i> , 2022, 218, .	3.7	1
2371	A Method for Imaging Energetic Particle Precipitation with Subionospheric VLF Signals. <i>Earth and Space Science</i> , 0, , .	1.1	0
2372	sami2py” Overview and applications. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	3
2373	Neutral Atmospheric Density Measurement Using Insight-HXMT Data by the Earth Occultation Technique. <i>Astrophysical Journal, Supplement Series</i> , 2023, 264, 5.	3.0	3

#	ARTICLE	IF	CITATIONS
2374	A Short-Term Forecast for Parameters of the F2 Layer. <i>Geomagnetism and Aeronomy</i> , 2022, 62, 724-736.	0.2	0
2375	pyGPI5: A python D- and E-region chemistry and ionization model. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	1
2376	Resolution of the equatorial spread F problem: Revisited. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	6
2377	Estimation of the Number of Sprites Observed over Japan in 5.5 Years Using Lightning Data. <i>Atmosphere</i> , 2023, 14, 105.	1.0	1
2378	Longitudinal Variation of Thermospheric Density during Low Solar Activity from APOD Observations. <i>Atmosphere</i> , 2023, 14, 155.	1.0	3
2379	Physics-Based Approach to Thermospheric Density Estimation Using CubeSat GPS Data. <i>Space Weather</i> , 2023, 21, .	1.3	0
2380	Controlling Factors of Artificial Irregularities Triggered by Chemical Release at Low Latitude Ionosphere. <i>Space Weather</i> , 2023, 21, .	1.3	3
2381	Thermal analysis of a high-altitude solar platform. <i>CEAS Aeronautical Journal</i> , 2023, 14, 243-254.	0.9	1
2382	Daedalus MASE (mission assessment through simulation exercise): A toolset for analysis of in situ missions and for processing global circulation model outputs in the lower thermosphere-ionosphere. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	1.1	4
2383	Simulation of orbital decay of LEO satellites due to atmospheric drag during magnetic storms. , 2022, , .		0
2384	Development of Passive Guidance Scheme for the Sample Return System from the International Space Station. , 2022, , .		0
2385	A Methodology of Retrieving Volume Emission Rate from Limb-Viewed Airglow Emission Intensity by Combining the Techniques of Abel Inversion and Deep Learning. <i>Atmosphere</i> , 2023, 14, 74.	1.0	0
2386	Basics of space flight mechanics and control theory. , 2023, , 1-52.		0
2387	Impact of Space Weather on Various Fields. , 2023, , 9-79.		0
2388	The space environment. , 2023, , 77-129.		1
2389	Prediction of the Propulsive Performance of an Atmosphere-Breathing Electric Propulsion System on Cathode-Less Plasma Thruster. <i>Aerospace</i> , 2023, 10, 100.	1.1	1
2390	A High-Accuracy SINS/RCNS Integrated Navigation Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 5508-5518.	0.3	0
2391	Contribution of LARES SLR Data to Co-estimated Earth Geopotential Coefficients. <i>International Association of Geodesy Symposia</i> , 2023, , .	0.2	0

#	ARTICLE	IF	CITATIONS
2392	Effects of Solar Activity on the Upper Atmosphere. , 2023, , 421-444.		0
2393	Ionospheric Modulation by EMIC Wave-Driven Proton Precipitation: Observations and Simulations. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	2
2394	Neural Network-Based Orbit Control Method via Aerodynamic Force for Formation Flying with Variable Shape Function. , 2023, , .		0
2395	Effect of Water Vapor Injection on Plasma Reduction in Hypersonic Flow. , 2023, , .		1
2396	SPAM: Solar Spectrum Prediction for Applications and Modeling. Atmosphere, 2023, 14, 226.	1.0	2
2397	Semi-automatic meteoroid fragmentation modeling using genetic algorithms. Astronomy and Astrophysics, 2023, 671, A23.	2.1	2
2398	Ionospheric Variability. , 2023, , 177-222.		1
2399	Introduction of Space Weather Research on Magnetosphere and Ionosphere of the Earth. , 2023, , 95-113.		0
2400	Radial Orbit Errors of Contemporary Altimetry Satellite Orbits. Surveys in Geophysics, 2023, 44, 705-737.	2.1	1
2401	Critical Value of Initial Disturbance Wave-number Affecting Rayleigh-Taylor Instability in Equatorial and Low-latitude Ionosphere. Kongjian Kexue Xuebao, 2018, 38, 871.	0.2	0
2402	Michelson Interferometer for Global High-Resolution Thermospheric Imaging (MIGHTI) On-Orbit Wind Observations: Data Analysis and Instrument Performance. Space Science Reviews, 2023, 219, .	3.7	8
2403	Global Variations in the Time Delays Between Polar Ionospheric Heating and the Neutral Density Response. Space Weather, 2023, 21, .	1.3	2
2404	Low Altitude Tailing Es (LATTE): Analysis of Sporadic-E Layer Height at Different Latitudes of Middle and Low Region. Space Weather, 2023, 21, .	1.3	1
2405	Acoustic-gravity waves in quasi-isothermal atmospheres with a random vertical temperature profile. Wave Motion, 2023, 119, 103140.	1.0	1
2406	Performance characterization and kinetic analysis of atmosphere-breathing electric propulsion intake device. Vacuum, 2023, 212, 112066.	1.6	3
2407	Study on the Hemispheric Asymmetry of Thermospheric Density Based on In-Situ Measurements from APOD Satellite. Atmosphere, 2023, 14, 714.	1.0	0
2409	Exploring the limits of ultracold atoms in space. Quantum Science and Technology, 2023, 8, 024004.	2.6	0
2410	Application of the global neutron monitor network for assessment of spectra and anisotropy and the related terrestrial effects of strong SEPs. Journal of Atmospheric and Solar-Terrestrial Physics, 2023, 243, 106021.	0.6	5

#	ARTICLE	IF	CITATIONS
2411	C ₂₀ and C ₃₀ Variations From SLR for GRACE/GRACE-FO Science Applications. Journal of Geophysical Research: Solid Earth, 2023, 128, .	1.4	3
2412	Thermal Electron Heat Fluxes Associated With Precipitated Auroral Electrons During the Saint Patrick's Days 2013 and 2015 Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	2
2413	Ionosphere response to geospace storm on 25 September 2016 over Kharkiv (Ukraine). Advances in Space Research, 2023, 71, 3323-3345.	1.2	2
2414	Augmented Non-LTE Parameterization of NO Infrared Radiative Cooling Rates. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	1
2415	Optical diagnosis of an inductively coupled plasma source for atmosphere-breathing electric propulsion system. Physics of Plasmas, 2023, 30, .	0.7	1
2416	Concentric Traveling Ionospheric Disturbances (CTIDs) Triggered by the 2022 Tonga Volcanic Eruption. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	4
2417	Three-Dimensional Simulation of Equatorial Spread F: Effects of Field-Aligned Plasma Flow and Ionospheric Conductivity. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	1
2418	Characterization of Mesospheric Inversion Layer with Rayleigh Lidar Data over Golmud. Kongjian Kexue Xuebao, 2019, 39, 84.	0.2	1
2419	A Model for Real-time Calculation of the Atmospheric Neutron Normal Size. Kongjian Kexue Xuebao, 2019, 39, 342.	0.2	0
2420	SZ-5 Cabin's Height Changes during Three Super-storms in 2003. Kongjian Kexue Xuebao, 2019, 39, 809.	0.2	0
2421	Characteristics Analysis of Thermospheric Density Response during the Different Intensity of Geomagnetic Storms. Kongjian Kexue Xuebao, 2020, 40, 28.	0.2	3
2422	Statistical Characteristics of Stratospheric Mountain Waves over Southern Andes Based on AIRS Observations. Kongjian Kexue Xuebao, 2021, 41, 911.	0.2	0
2423	Bayesian and Least Square Method for Temperature Inversion of Adjacent Space Atmosphere Based on Oxygen A-band. Kongjian Kexue Xuebao, 2021, 41, 769.	0.2	0
2424	Seasonal Variations of Mesospheric Densities Observed by Rayleigh Lidar at Golmud, Qinghai. Kongjian Kexue Xuebao, 2020, 40, 207.	0.2	1
2425	Optimizing the NRLMSISE-00 Model by a New Solar EUV Proxy. Kongjian Kexue Xuebao, 2017, 37, 291.	0.2	2
2426	Simulation and Analysis on Volume Emission Rate and Limb Radiation Intensity of Airglow at Oxygen A(0, 0) Band. Kongjian Kexue Xuebao, 2020, 40, 1039.	0.2	0
2427	Effects of Pre-heating Time on Pre-heating Amplitude-modulation in the Lower Ionosphere. Kongjian Kexue Xuebao, 2017, 37, 59.	0.2	1
2428	Analysis and Verification of Thermospheric Density Derived from CHAMP and GRACE-A/B Accelerometer Data Normal Size. Kongjian Kexue Xuebao, 2018, 38, 201.	0.2	0

#	ARTICLE	IF	CITATIONS
2429	Effects of Background Conditions on Lower Ionosphere Pre-heating Amplitude-modulation. Kongjian Kexue Xuebao, 2017, 37, 403.	0.2	1
2430	Quantitative Estimations on the Gravity Wave Extraction Methods from Night-time Lidar Observation. Kongjian Kexue Xuebao, 2021, 41, 597.	0.2	1
2431	Atmospheric Density Model Calibration Using 2-dimension Kernel Regression Method. Kongjian Kexue Xuebao, 2016, 36, 323.	0.2	0
2432	Research on Thermospheric Densities Derived from Two-line Element Sets. Kongjian Kexue Xuebao, 2014, 34, 426.	0.2	3
2433	Ballistic coefficient estimation of satellite in low Earth orbit and atmosphere model error analysis. Kongjian Kexue Xuebao, 2014, 34, 89.	0.2	2
2434	Development of Operational Space Weather Prediction Models. Kongjian Kexue Xuebao, 2014, 34, 688.	0.2	2
2435	Precise Orbit Determination Based on Reduced Dynamic Batch LSQ Estimation Method Using Dual-frequency GPS Observations. Kongjian Kexue Xuebao, 2014, 34, 460.	0.2	1
2436	Correlations between solar activity and thermospheric density. Kongjian Kexue Xuebao, 2014, 34, 73.	0.2	5
2437	Comparison of the Thermospheric Densities Between GRACE/CHAMP Satellites Data and NRLMSISE-00 Model. Kongjian Kexue Xuebao, 2013, 33, 509.	0.2	3
2438	Response of the Ionospheric F ₂ -region Over Irkutsk and Hainan to Strong Geomagnetic Storms. Kongjian Kexue Xuebao, 2013, 33, 494.	0.2	2
2439	Algorithms for the Detection, Location, and Discrimination of Seismic and Infrasound Events. Izvestiya - Atmospheric and Oceanic Physics, 2022, 58, 1398-1417.	0.2	0
2440	Effects of Solar Extreme Ultraviolet Radiation on Thermospheric Neutral Density. Kongjian Kexue Xuebao, 2023, 43, 87.	0.2	0
2441	Simulation of Electron Density Disturbance in the Lower Ionosphere Caused by Thundercloud Electrostatic Fields. Atmosphere, 2023, 14, 444.	1.0	2
2442	An Explainable Dynamic Prediction Method for Ionospheric foF ₂ Based on Machine Learning. Remote Sensing, 2023, 15, 1256.	1.8	6
2443	Rocket-Released Neutral Clouds in the Ionosphere: Formation, Evolution, and Detection. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	3
2444	Low latitude monthly total electron content composite correlations. Journal of Space Weather and Space Climate, 2023, 13, 7.	1.1	1
2445	Winter Nighttime Enhancement of the Midlatitude Ionosphere: Contribution From the Diffusive and Wind-Driven Plasma Transport. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	2
2446	Universal Time Variations in the Magnetosphere and the Effect of CME Arrival Time: Analysis of the February 2022 Event that Led to the Loss of Starlink Satellites. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	7

#	ARTICLE	IF	CITATIONS
2447	An atmosphere-breathing propulsion system using inductively coupled plasma source. Chinese Journal of Aeronautics, 2023, 36, 223-238.	2.8	2
2448	Aeronomic and Dynamic Correction of the Global Model GTEC for Disturbed Conditions. Geomagnetism and Aeronomy, 2022, 62, S74-S86.	0.2	0
2449	An assessment of whistlers generated from tree-like gigantic jets. Terrestrial, Atmospheric and Oceanic Sciences, 2023, 34, .	0.3	0
2450	Atmospheric Density Inversion Based on Swarm-C Satellite Accelerometer. Applied Sciences (Switzerland), 2023, 13, 3610.	1.3	24
2451	Multi-Model Ensembles for Upper Atmosphere Models. Space Weather, 2023, 21, .	1.3	5
2452	RAMSEES: A Model of the Atmospheric Radiative Environment Based on Geant4 Simulation of Extensive Air Shower. Aerospace, 2023, 10, 295.	1.1	0
2453	Leveraging neural network uncertainty in adaptive unscented Kalman Filter for spacecraft pose estimation. Advances in Space Research, 2023, , .	1.2	0
2454	Destabilizing Influence of the Neutral Winds for the Midnight and Post-Midnight Ionospheric Irregularities in Brazil Sector. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	0
2455	Improving Forecasting Ability of GITM Using Data-Driven Model Refinement. Space Weather, 2023, 21, .	1.3	1
2456	Software for Interactive and Automated Seismic and Infrasonic Data Processing. Seismic Instruments, 2022, 58, S204-S218.	0.0	0
2457	Multi-instrumental analysis of the day-to-day variability of equatorial plasma bubbles. Frontiers in Astronomy and Space Sciences, 0, 10, .	1.1	3
2458	The Spectrum and Orbit of a Fireball Producing Mesospheric Irregularity and Implications for Meteor Mass Deposition. Astrophysical Journal, 2023, 946, 11.	1.6	1
2459	Retrieval of the Stratospheric Density by the Star Occultation. Aerospace, 2023, 10, 313.	1.1	0
2460	Simulation and Analysis of the Influence of Sounding Rocket Outgassing on In-Situ Atmospheric Detection. Atmosphere, 2023, 14, 603.	1.0	0
2461	Reducing the Ionospheric Contamination Effects on the Column O/N_2 Ratio and Its Application to the Identification of Non-Migrating Tides. Journal of Geophysical Research: Space Physics, 2023, 128, .	0.8	0
2462	The Thermosphere Is a Drag: The 2022 Starlink Incident and the Threat of Geomagnetic Storms to Low Earth Orbit Space Operations. Space Weather, 2023, 21, .	1.3	7
2463	Nocturnal thermospheric neutral wind and temperature measurement using a Fabry-Perot Interferometer: First results from an equatorial Indian station. Advances in Space Research, 2023, 72, 598-613.	1.2	1
2464	Numerical investigation into the compression characteristics of a multi-stage Knudsen pump with rectangular channels. European Physical Journal Plus, 2023, 138, .	1.2	0

#	ARTICLE	IF	CITATIONS
2465	Nonlinear Three-Dimensional Simulations of the Gradient Drift and Secondary Kelvin-Helmholtz Instabilities in Ionospheric Plasma Clouds. <i>Atmosphere</i> , 2023, 14, 676.	1.0	0
2466	A New Decade in Seismoacoustics (2010-2022). <i>Bulletin of the Seismological Society of America</i> , 0, , .	1.1	4
2467	Thermospheric Temperature and Density Variability During 3-4 February 2022 Minor Geomagnetic Storm. <i>Space Weather</i> , 2023, 21, .	1.3	2
2468	Characterization of the middle and upper atmosphere temperatures by Rayleigh scattering Lidar. <i>Instrumentation Science and Technology</i> , 0, , 1-13.	0.9	0
2469	Extracting Exospheric Temperature From Daytime Ionospheric Electron Density Profiles. <i>Journal of Geophysical Research: Space Physics</i> , 2023, 128, .	0.8	1
2470	Case Study of a Mesospheric Temperature Inversion over Maunabo Observatory through a Multi-Instrumental Observation. <i>Remote Sensing</i> , 2023, 15, 2045.	1.8	0
2471	Studies of Satellite Position Measurements of LEO CubeSat to Identify the Motion Mode Relative to Its Center of Mass. <i>Aerospace</i> , 2023, 10, 378.	1.1	0
2472	MODELING OF SPATIAL-TEMPORAL VARIATIONS OF DYNAMIC AND THERMAL PROCESS PARAMETERS IN GEOSPACE OVER UKRAINE DURING THE MINIMUM OF 24-TH CYCLE OF SOLAR ACTIVITY (2009, 2019). <i>Kosmos i Tehnologii</i> . Nauka i Tehnologii, 2023, 29, 15-35.	0.1	0
2473	Equinoctial Asymmetry in the Upper Ionosphere: Comparison of Satellite Observations and Models. <i>Journal of Geophysical Research: Space Physics</i> , 0, , .	0.8	1
2491	Data-Driven Modelling of Aerothermodynamic Loads during Atmospheric Re-entry. , 2023, , .		0
2508	Distribution of Atomic Oxygen within the Internal Cavities of VLEO Satellites. , 2023, , .		0
2515	Safe and Constrained Rendezvous, Proximity Operations, and Docking. , 2023, , .		3
2528	Determination of the accelerometer metrological characteristics on board the METRIC mission. , 2023, , .		0
2540	Space Radiobiology. , 2023, , 503-569.		0
2560	Numerical simulation of the spectrum of secondary acoustic-gravity waves in the middle and upper atmosphere. , 2023, , .		0
2581	Evaluation of atmospheric temperature uncertainty caused by platform attitude fluctuation. , 2023, , .		0
2590	OSAS-B: a 4.7-THz Heterodyne Spectrometer for Atomic Oxygen in the Mesosphere and Lower Thermosphere. , 2023, , .		0
2600	First Discovery of Regular Occurrence of Mid-Latitude Thermosphere-Ionosphere Na (TINa) Layers Observed with High-Sensitivity Na Doppler Lidar and New Data Processing Techniques over Boulder. <i>Springer Atmospheric Sciences</i> , 2023, , 861-867.	0.4	0

#	ARTICLE	IF	CITATIONS
2620	Adaptive End-to-End Architecture for Autonomous Spacecraft Navigation and Control During Rendezvous and Proximity Operations. , 2024, , .		0
2628	Performance study of intake device for atmosphere-breathing electric propulsion. AIP Conference Proceedings, 2024, , .	0.3	0
2629	Plume simulation of atmosphere-breathing electric propulsion system. AIP Conference Proceedings, 2024, , .	0.3	0
2632	Real-Time Navigation of LEO Satellite Using QZSS MADOCA-PPP Signal Based on RTKLIB. , 0, , .		0