

Jm Forbes

List of Publications by Year in descending order

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330
papers

16,510
citations

13827

67
h-index

24179

110
g-index

342
all docs

342
docs citations

342
times ranked

3033
citing authors

#	ARTICLE	IF	CITATIONS
1	Migrating and nonmigrating diurnal tides in the middle and upper atmosphere excited by tropospheric latent heat release. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 6-1.	3.3	645
2	Variability of the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 685-693.	0.6	440
3	Migrating and nonmigrating semidiurnal tides in the upper atmosphere excited by tropospheric latent heat release. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	395
4	Atmospheric tides: 1. Model description and results for the solar diurnal component. <i>Journal of Geophysical Research</i> , 1982, 87, 5222-5240.	3.3	394
5	The equatorial electrojet. <i>Reviews of Geophysics</i> , 1981, 19, 469-504.	9.0	327
6	GSWM-98: Results for migrating solar tides. <i>Journal of Geophysical Research</i> , 1999, 104, 6813-6827.	3.3	307
7	Atmospheric tide: 2. The solar and lunar semidiurnal components. <i>Journal of Geophysical Research</i> , 1982, 87, 5241-5252.	3.3	295
8	On modeling migrating solar tides. <i>Geophysical Research Letters</i> , 1995, 22, 893-896.	1.5	287
9	Tidal variability in the ionospheric dynamo region. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	283
10	Theoretical studies of atmospheric tides. <i>Reviews of Geophysics</i> , 1979, 17, 1951-1981.	9.0	222
11	Tidal and Planetary Waves. <i>Geophysical Monograph Series</i> , 0, , 67-87.	0.1	206
12	Tropospheric tides from 80 to 400 km: Propagation, interannual variability, and solar cycle effects. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	191
13	Monthly tidal temperatures 20°–120 km from TIMED/SABER. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	186
14	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
15	Monthly simulations of the solar semidiurnal tide in the mesosphere and lower thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1989, 51, 649-661.	0.9	174
16	Thermosphere density response to the 20–21 November 2003 solar and geomagnetic storm from CHAMP and GRACE accelerometer data. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	167
17	Density and Winds in the Thermosphere Deduced from Accelerometer Data. <i>Journal of Spacecraft and Rockets</i> , 2007, 44, 1210-1219.	1.3	163
18	Troposphere-thermosphere tidal coupling as measured by the SABER instrument on TIMED during July–September 2002. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	159

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19	Mars Global Surveyor radio science electron density profiles : Neutral atmosphere implications. Geophysical Research Letters, 2001, 28, 3091-3094.	1.5	154
20	Quasi 16-day oscillation in the mesosphere and lower thermosphere. Journal of Geophysical Research, 1995, 100, 9149.	3.3	153
21	Evidence for stratosphere sudden warming-ionosphere coupling due to vertically propagating tides. Geophysical Research Letters, 2010, 37, .	1.5	153
22	The Ionospheric Connection Explorer Mission: Mission Goals and Design. Space Science Reviews, 2018, 214, 1.	3.7	152
23	Quasi 16-day oscillation in the ionosphere. Geophysical Research Letters, 1992, 19, 981-984.	1.5	146
24	Numerical investigation of the propagation of the quasi-two-day wave into the lower thermosphere. Journal of Geophysical Research, 1993, 98, 23193-23205.	3.3	139
25	Solar Tides as Revealed by Measurements of Mesosphere Temperature by the MLS Experiment on UARS. Journals of the Atmospheric Sciences, 2006, 63, 1776-1797.	0.6	136
26	Nonlinear interactions in the upper atmosphere: The $s=1$ and $s=3$ nonmigrating semidiurnal tides. Journal of Geophysical Research, 2002, 107, SIA 3-1-SIA 3-15.	3.3	135
27	Nonmigrating diurnal tides in the thermosphere. Journal of Geophysical Research, 2003, 108, .	3.3	135
28	Climatology of upward propagating diurnal and semidiurnal tides in the thermosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	131
29	Rotating solar coronal holes and periodic modulation of the upper atmosphere. Geophysical Research Letters, 2008, 35, .	1.5	128
30	Diurnal propagating tide in the presence of mean winds and dissipation : a numerical investigation. Planetary and Space Science, 1988, 36, 579-590.	0.9	125
31	First results from the meteor radar at South Pole: A large 12-hour oscillation with zonal wavenumber one. Geophysical Research Letters, 1995, 22, 3247-3250.	1.5	124
32	Tidal propagation of deep tropical cloud signatures into the thermosphere from TIMED observations. Geophysical Research Letters, 2008, 35, .	1.5	118
33	Interactions between Gravity Waves and the Diurnal Tide in the Mesosphere and Lower Thermosphere. Journal of the Meteorological Society of Japan, 1991, 69, 523-531.	0.7	113
34	Thermospheric density oscillations due to periodic solar wind high-speed streams. Journal of Geophysical Research, 2008, 113, .	3.3	111
35	Atmospheric solar tides and their electrodynamic effects II. The equatorial electrojet. Journal of Atmospheric and Solar-Terrestrial Physics, 1976, 38, 911-920.	0.9	109
36	Acceleration, heating, and compositional mixing of the thermosphere due to upward propagating tides. Journal of Geophysical Research, 1993, 98, 311-321.	3.3	106

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37	Wave-driven variability in the ionosphere-thermosphere-mesosphere system from TIMED observations: What contributes to the "wave 4"? Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	105
38	Lunar tide amplification during the January 2009 stratosphere warming event: Observations and theory. Journal of Geophysical Research, 2012, 117, .	3.3	105
39	Surface-exosphere coupling due to thermal tides. Geophysical Research Letters, 2009, 36, .	1.5	102
40	Ionosphere response to solar wind high-speed streams. Geophysical Research Letters, 2008, 35, .	1.5	100
41	Thermospheric dynamics during the March 22, 1979, magnetic storm: 1. Model simulations. Journal of Geophysical Research, 1987, 92, 6045-6068.	3.3	99
42	Wave coupling between the lower and upper atmosphere: case study of an ultra-fast Kelvin Wave. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 1603-1621.	0.6	98
43	A 6.5-day westward propagating planetary wave: Origin and characteristics. Journal of Geophysical Research, 1997, 102, 26173-26178.	3.3	95
44	Thermal excitation of atmospheric tides due to insolation absorption by O_3 and H_2O . Geophysical Research Letters, 1978, 5, 1013-1016.	1.5	93
45	Nonmigrating tides in the thermosphere of Mars. Journal of Geophysical Research, 2002, 107, 23-1-23-12.	3.3	88
46	Tidal variability in the lower thermosphere: Comparison of Whole Atmosphere Model (WAM) simulations with observations from TIMED. Geophysical Research Letters, 2008, 35, .	1.5	88
47	Neutral density response to the solar flares of October and November, 2003. Geophysical Research Letters, 2006, 33, .	1.5	87
48	Atmospheric solar tides and their electrodynamic effects. The global Sq current system. Journal of Atmospheric and Solar-Terrestrial Physics, 1976, 38, 897-910.	0.9	86
49	Middle atmosphere tides. Journal of Atmospheric and Solar-Terrestrial Physics, 1984, 46, 1049-1067.	0.9	86
50	Solar cycle variability of Mars dayside exospheric temperatures: Model evaluation of underlying thermal balances. Geophysical Research Letters, 2009, 36, .	1.5	86
51	A fully analytic, low- and middle-latitude ionospheric model. Journal of Geophysical Research, 1989, 94, 1520-1524.	3.3	84
52	Global transport and localized layering of metallic ions in the upper atmosphere. Annales Geophysicae, 1999, 17, 190-209.	0.6	84
53	Diurnal Kelvin wave in the atmosphere of Mars: Towards an understanding of "stationary" density structures observed by the MGS accelerometer. Geophysical Research Letters, 2000, 27, 3563-3566.	1.5	84
54	Global and seasonal distribution of gravity wave activity in Mars' lower atmosphere derived from MGS radio occultation data. Geophysical Research Letters, 2006, 33, n/a-n/a.	1.5	81

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55	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
56	Experiments with a lunar atmospheric tidal model. <i>Journal of Geophysical Research</i> , 1997, 102, 13465-13471.	3.3	79
57	Thermosphere density variations due to the 15 th April 2002 solar events from CHAMP/STAR accelerometer measurements. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	78
58	Solar Rotation Effects on the Thermospheres of Mars and Earth. <i>Science</i> , 2006, 312, 1366-1368.	6.0	77
59	Longitudinal variation of tides in the MLT region: 1. Tides driven by tropospheric net radiative heating. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	77
60	Effects of mean winds and dissipation on the diurnal propagating tide: An analytic approach. <i>Planetary and Space Science</i> , 1989, 37, 197-209.	0.9	75
61	Longitudinal variation of tides in the MLT region: 2. Relative effects of solar radiative and latent heating. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	74
62	Artificially created holes in the ionosphere. <i>Journal of Geophysical Research</i> , 1978, 83, 151-163.	3.3	73
63	Upper atmosphere tidal oscillations due to latent heat release in the tropical troposphere. <i>Annales Geophysicae</i> , 1997, 15, 1165-1175.	0.6	73
64	Planetary waves observed by TIMED/SABER in coupling the stratosphere-mesosphere-lower thermosphere during the winter of 2003/2004: Part 2-Altitude and latitude planetary wave structure. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 75-87.	0.6	73
65	A climatology of tides in the Antarctic mesosphere and lower thermosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	72
66	Solar Diurnal Tide in the Thermosphere. <i>Journals of the Atmospheric Sciences</i> , 1976, 33, 2226-2241.	0.6	71
67	Solar flux variability of Mars' exosphere densities and temperatures. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	69
68	The quasi 16-day oscillations in the mesosphere and lower thermosphere at Saskatoon (52°N, 107°W), 1980-1996. <i>Journal of Geophysical Research</i> , 2000, 105, 2125-2138.	3.3	68
69	A solar terminator wave in thermosphere neutral densities measured by the CHAMP satellite. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	68
70	Intra-annual variability of the low-latitude ionosphere due to nonmigrating tides. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	68
71	Observations of the ionospheric response to the 15 December 2006 geomagnetic storm: Long-duration positive storm effect. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	68
72	Global observation of traveling atmospheric disturbances (TADs) in the thermosphere. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	67

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73	On the interactions between gravity waves and the diurnal propagating tide. Planetary and Space Science, 1991, 39, 1249-1257.	0.9	66
74	Planetary Waves in the Thermosphere-Ionosphere System.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 91-98.	0.8	66
75	Recent progress in tidal modelling. Journal of Atmospheric and Solar-Terrestrial Physics, 1989, 51, 663-671.	0.9	65
76	Planetary wave and solar emission signatures in the equatorial electrojet. Journal of Geophysical Research, 1994, 99, 355.	3.3	65
77	Effects of solar variability on thermosphere density from CHAMP accelerometer data. Journal of Geophysical Research, 2007, 112, .	3.3	64
78	Quasi 2-day oscillation of the ionosphere: A statistical study. Journal of Atmospheric and Solar-Terrestrial Physics, 1997, 59, 1025-1034.	0.6	63
79	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
80	An eastward propagating two-day wave: Evidence for nonlinear planetary wave and tidal coupling in the mesosphere and lower thermosphere. Geophysical Research Letters, 2007, 34, .	1.5	62
81	Evidence for nonlinear coupling of planetary waves and tides in the Antarctic mesopause. Journal of Geophysical Research, 1997, 102, 4437-4446.	3.3	61
82	Density variability at scales typical of gravity waves observed in Mars' thermosphere by the MGS accelerometer. Geophysical Research Letters, 2006, 33, .	1.5	61
83	Dynamics of the Thermosphere. Journal of the Meteorological Society of Japan, 2007, 85B, 193-213.	0.7	61
84	Longitudinal variations in the F_2 region ionosphere and the topside ionosphere-plasmasphere: Observations and model simulations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	61
85	Non-migrating tides in the ionosphere-thermosphere: In situ versus tropospheric sources. Journal of Geophysical Research: Space Physics, 2013, 118, 2438-2451.	0.8	61
86	Thermospheric extensions of the classical expansion functions for semidiurnal tides. Journal of Geophysical Research, 1982, 87, 5253-5259.	3.3	60
87	Thermospheric winds from the satellite electrostatic triaxial accelerometer system. Journal of Geophysical Research, 1985, 90, 6543-6552.	3.3	57
88	Diurnal tidal variability in the upper mesosphere and lower thermosphere. Annales Geophysicae, 1997, 15, 1176-1186.	0.6	57
89	Monthly simulations of the lunar semi-diurnal tide. Journal of Atmospheric and Solar-Terrestrial Physics, 1994, 56, 1591-1607.	0.9	55
90	QBO effects on the diurnal tide in the upper atmosphere. Earth, Planets and Space, 1999, 51, 571-578.	0.9	55

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91	Relative intensities of middle atmosphere waves. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
92	Diurnal tides from the troposphere to the lower mesosphere as deduced from TIMED/SABER satellite data and six global reanalysis data sets. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	55
93	Planetary waves observed by TIMED/SABER in coupling the stratosphereâ€“mesosphereâ€“lower thermosphere during the winter of 2003/2004: Part 1â€”Comparison with the UKMO temperature results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 61-74.	0.6	54
94	Lunar semidiurnal tide in the thermosphere under solar minimum conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1788-1801.	0.8	54
95	New perspectives on thermosphere tides: 1. Lower thermosphere spectra and seasonal-latitudinal structures. <i>Earth, Planets and Space</i> , 2014, 66, .	0.9	53
96	Tidalâ€“induced net transport effects on the oxygen distribution in the thermosphere. <i>Geophysical Research Letters</i> , 2014, 41, 5272-5279.	1.5	53
97	Thermospheric dynamics during the March 22, 1979, magnetic storm: 2. Comparisons of model predictions with observations. <i>Journal of Geophysical Research</i> , 1987, 92, 6069-6081.	3.3	52
98	Monthly mean climatology of the prevailing winds and tides in the Arctic mesosphere/lower thermosphere. <i>Annales Geophysicae</i> , 2004, 22, 3395-3410.	0.6	52
99	Mesosphere/lower thermosphere prevailing wind model. <i>Advances in Space Research</i> , 2004, 34, 1755-1762.	1.2	52
100	Magnetic storm response of lower thermosphere density. <i>Journal of Geophysical Research</i> , 1996, 101, 2313-2319.	3.3	51
101	Mediumâ€“to largeâ€“scale density variability as observed by CHAMP. <i>Space Weather</i> , 2008, 6, .	1.3	50
102	Rapid response of the thermosphere to variations in Joule heating. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	50
103	The dynamic ionosphere over Arecibo: A theoretical investigation. <i>Journal of Geophysical Research</i> , 1986, 91, 249-258.	3.3	49
104	Quasiâ€“3â€“day Kelvin wave and the OI(5577 Å.), OH(6,2) Meinel, and O₂(0,1) emissions. <i>Geophysical Research Letters</i> , 2002, 29, 2-1.	1.5	49
105	Mean zonal acceleration and heating of the 70â€“to 100â€“km region. <i>Journal of Geophysical Research</i> , 1991, 96, 1225-1238.	3.3	48
106	Thermospheric nitric oxide variability induced by nonmigrating tides. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	48
107	Lunar tide in the thermosphere and weakening of the northern polar vortex. <i>Geophysical Research Letters</i> , 2014, 41, 8201-8207.	1.5	48
108	The quasiâ€“6â€“day wave and its interactions with solar tides. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4764-4776.	0.8	48

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109	Seasonal-Latitudinal Structure of the Diurnal Thermospheric Tide. <i>Journals of the Atmospheric Sciences</i> , 1978, 35, 148-159.	0.6	46
110	Diurnal propagating tides in the low-latitude middle atmosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1987, 49, 153-164.	0.9	46
111	Dynamics of the Antarctic and Arctic mesosphere and lower thermosphere regionsâ€”II. The semidiurnal tide. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1993, 55, 843-855.	0.9	46
112	Quasi 2-day oscillation of the ionosphere during summer 1992. <i>Journal of Geophysical Research</i> , 1997, 102, 7301-7305.	3.3	46
113	Kelvin waves in stratosphere, mesosphere and lower thermosphere temperatures as observed by TIMED/SABER during 2002â€”2006. <i>Earth, Planets and Space</i> , 2009, 61, 447-453.	0.9	46
114	Seasonal and longitudinal variations of the solar quiet (<i>Sq</i>) current system during solar minimum determined by CHAMP satellite magnetic field observations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	46
115	Dynamics of the Antarctic and Arctic mesosphere and lower thermosphere regionsâ€”I. The prevailing wind. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1993, 55, 827-841.	0.9	45
116	Properties of traveling atmospheric disturbances (TADs) inferred from CHAMP accelerometer observations. <i>Advances in Space Research</i> , 2009, 43, 369-376.	1.2	45
117	Global distribution and climatological features of the 5â€”6-day planetary waves seen in the SABER/TIMED temperatures (2002â€”2007). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 26-37.	0.6	44
118	Ionosphere response to recurrent geomagnetic activity: Local time dependency. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	43
119	The influence of geomagnetic and solar variabilities on lower thermosphere density. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 999-1013.	0.6	42
120	Some transient aspects of tidal propagation. <i>Journal of Geophysical Research</i> , 1991, 96, 1215-1224.	3.3	41
121	The summertime 12-h wind oscillation with zonal wavenumber $\nu = 1$ in the lower thermosphere over the South Pole. <i>Annales Geophysicae</i> , 1998, 16, 828-837.	0.6	41
122	Solar terminator wave and its relation to the atmospheric tide. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
123	Anomalous behavior of the thermosphere during solar minimum observed by CHAMP and GRACE. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	40
124	Quasi-two-day wave structure, interannual variability, and tidal interactions during the 2002â€”2011 decade. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2241-2260.	1.2	40
125	Sources of Ionospheric Variability at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9670-9684.	0.8	40
126	"Evidence for the equatorward penetration of electric fields, winds, and compositional effects in the Asian/Pacific sector during the September 17â€”24, 1984, ETS interval". <i>Journal of Geophysical Research</i> , 1989, 94, 16999-17007.	3.3	39

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127	Climatological features of mesosphere and lower thermosphere stationary planetary waves within $\pm 40^\circ$ latitude. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 1-1-ACL 1-14.	3.3	39
128	Diurnal nonmigrating tides in the tropical lower thermosphere. <i>Earth, Planets and Space</i> , 2003, 55, 419-426.	0.9	39
129	The quasi 2 day wave and spatial-temporal variability of the OH emission and ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
130	Wave coupling between the lower and middle thermosphere as viewed from TIMED and GOCE. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5788-5804.	0.8	39
131	Zonal mean and tidal dynamics from space: an empirical examination of aliasing and sampling. <i>Annales Geophysicae</i> , 1997, 15, 1158-1164.	0.6	38
132	Planetary wave coupling from the stratosphere to the thermosphere during the 2002 Southern Hemisphere pre-stratwarm period. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	38
133	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
134	Atmospheric solar tides and their electrodynamic effects-III. The polarization electric field. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1977, 39, 1369-1377.	0.9	37
135	Tidal structure of the thermosphere at equinox. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1978, 40, 657-668.	0.9	37
136	Variability in the upward propagating semidiurnal tide due to effects of QBO in the lower atmosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1992, 54, 1465-1474.	0.9	37
137	Dynamics of the lower thermosphere over South Pole from meteor radar wind measurements. <i>Earth, Planets and Space</i> , 1999, 51, 611-620.	0.9	37
138	The effect of non-migrating tides on the morphology of the equatorial ionospheric anomaly: seasonal variability. <i>Earth, Planets and Space</i> , 2009, 61, 493-503.	0.9	37
139	Quasi-10-day wave in the atmosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,079.	1.2	37
140	Oscillation of the Ionosphere at Planetary-Wave Periods. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7634-7649.	0.8	37
141	Dynamical influences on atomic oxygen and 5577 Å... emission rates in the lower thermosphere. <i>Geophysical Research Letters</i> , 1998, 25, 461-464.	1.5	36
142	A space-based climatology of diurnal MLT tidal winds, temperatures and densities from UARS wind measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 1533-1543.	0.6	36
143	Topographic connections with density waves in Mars' aerobraking regime. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	36
144	Modulation of the equatorial F-region by the quasi-16-day planetary wave. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	36

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145	On the extraction of tidal information from measurements covering a fraction of a day. Geophysical Research Letters, 1983, 10, 580-582.	1.5	35
146	Magnetosphere-thermosphere coupling: An experiment in interactive modeling. Journal of Geophysical Research, 1989, 94, 2631-2644.	3.3	35
147	Lamb waves in the lower thermosphere: Observational evidence and global consequences. Journal of Geophysical Research, 1999, 104, 17107-17115.	3.3	35
148	Longitudinal and geomagnetic activity modulation of the equatorial thermosphere anomaly. Journal of Geophysical Research, 2010, 115, .	3.3	35
149	Global structure of the lunar tide in ionospheric total electron content. Geophysical Research Letters, 2010, 37, .	1.5	34
150	Gravity wave-induced variability of the middle thermosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 6914-6923.	0.8	34
151	Theory and observation of a dynamically evolving negative ion plasma. Journal of Geophysical Research, 1982, 87, 8273-8285.	3.3	33
152	Equinox tidal heating of the upper atmosphere. Planetary and Space Science, 1984, 32, 447-456.	0.9	33
153	Semidiurnal tide in the 80-150 km region: an assimilative data analysis. Journal of Atmospheric and Solar-Terrestrial Physics, 1994, 56, 1237-1249.	0.9	33
154	Simulation of tides with a spectral mesosphere/lower thermosphere model. Geophysical Research Letters, 1996, 23, 2173-2176.	1.5	32
155	Simulations of diurnal tides due to tropospheric heating from the NCEP/NCAR Reanalysis Project. Geophysical Research Letters, 2001, 28, 3851-3854.	1.5	32
156	Semidiurnal tidal climatology of the E region. Journal of Geophysical Research, 1991, 96, 1147-1157.	3.3	31
157	Equatorial vertical drift modulation by the lunar and solar semidiurnal tides during the 2013 sudden stratospheric warming. Journal of Geophysical Research: Space Physics, 2016, 121, 1658-1668.	0.8	31
158	Zonally Symmetric Oscillations of the Thermosphere at Planetary Wave Periods. Journal of Geophysical Research: Space Physics, 2018, 123, 4110-4128.	0.8	31
159	Natural oscillations of the ionosphere-thermosphere-mesosphere (ITM) system. Journal of Atmospheric and Solar-Terrestrial Physics, 1997, 59, 2185-2202.	0.6	30
160	Tides in the joint presence of friction and rotation: An f plane approximation. Journal of Geophysical Research, 1979, 84, 803-810.	3.3	29
161	Transient eastward-propagating long-period waves observed over the South Pole. Annales Geophysicae, 1998, 16, 1486-1500.	0.6	29
162	Upward propagating tidal effects across the E- and F-regions of the ionosphere. Earth, Planets and Space, 2009, 61, 505-512.	0.9	29

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163	A new interpretation of Mars aerobraking variability: Planetary wave-tide interactions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
164	Quasi-two-day wave-tide interactions as revealed in satellite observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	29
165	On the utilization of ionosonde data to analyze the latitudinal penetration of ionospheric storm effects. <i>Geophysical Research Letters</i> , 1988, 15, 249-252.	1.5	28
166	Sensitivity of Orbit Predictions to Density Variability. <i>Journal of Spacecraft and Rockets</i> , 2009, 46, 1214-1230.	1.3	28
167	Wave structures in lower thermosphere density from satellite electrostatic triaxial accelerometer measurements. <i>Journal of Geophysical Research</i> , 1995, 100, 14693.	3.3	27
168	Solar Semidiurnal Tide in the Dusty Atmosphere of Mars. <i>Journals of the Atmospheric Sciences</i> , 2006, 63, 1798-1817.	0.6	27
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