Jm Forbes

List of Publications by Year in Descending Order

323 papers	13,892 citations	62 h-index	101 g-index
341 ext. papers	14,896 ext. citations	3.6 avg, IF	6.63 L-index

#	Paper	IF	Citations
323	Troposphere-Mesosphere Coupling by Convectively Forced Gravity Waves During Southern Hemisphere Monsoon Season as Viewed by AIM/CIPS. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029734	2.6	0
322	Regulation of ionospheric plasma velocities by thermospheric winds.. *Nature Geoscience*, **2021**, 14, 893-898	12.3	4
321	Q2DW-Tide and -Ionosphere Interactions as Observed From ICON and Ground-Based Radars.. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029961	2.6	0
320	Mesospheric Q2DW Interactions With Four Migrating Tides at 53°N Latitude: Zonal Wavenumber Identification Through Dual-Station Approaches. *Geophysical Research Letters*, **2021**, 48, e2020GL092237	4.9	3
319	Unusual Quasi 10-Day Planetary Wave Activity and the Ionospheric Response During the 2019 Southern Hemisphere Sudden Stratospheric Warming. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029286	2.6	8
318	Atmosphere-Ionosphere (A-I) Coupling as Viewed by ICON: Day-to-Day Variability Due to Planetary Wave (PW)-Tide Interactions. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028927	2.6	2
317	Quasi-2-Day Wave in Low-Latitude Atmospheric Winds as Viewed From the Ground and Space During January–March, 2020. *Geophysical Research Letters*, **2021**, 48, e2021GL093466	4.9	4
316	The Wave Origins of Longitudinal Structures in ExoMars Trace Gas Orbiter (TGO) Aerobraking Densities. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028769	2.6	2
315	Atmosphere-Ionosphere (A-I) Coupling by Solar and Lunar Tides. *Geophysical Monograph Series*, **2021**, 157-181	1.1	2
314	Dynamics and Electrodynamics of an Ultra-Fast Kelvin Wave (UFKW) Packet in the Ionosphere-Thermosphere (IT). *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027856	2.6	3
313	Sensitivity study for ICON tidal analysis. *Progress in Earth and Planetary Science*, **2020**, 7, 18	3.9	7
312	Quasi-10-Day Wave and Semidiurnal Tide Nonlinear Interactions During the Southern Hemispheric SSW 2019 Observed in the Northern Hemispheric Mesosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL091453	4.9	8
311	Solar Tides in the Middle and Upper Atmosphere of Mars. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028140	2.6	14
310	Ultrafast Kelvin Wave Variations in the Surface Magnetic Field. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028488	2.6	2
309	High-Order Solar Migrating Tides Quench at SSW Onsets. *Geophysical Research Letters*, **2020**, 47, e2019GL086778	4.9	7
308	Planetary Wave (PW) Generation in the Thermosphere Driven by the PW-Modulated Tidal Spectrum. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027704	2.6	9
307	Tidal Effects on the Longitudinal Structures of the Martian Thermosphere and Topside Ionosphere Observed by MAVEN. *Journal of Geophysical Research: Space Physics*, **2020**, 126, e2020JA028562	2.6	4

306	Lunar Tide in the F Region Ionosphere. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7654-7669	2.6	4
305	The nature and origins of the day-to-day variability in Earth's surface magnetic field. *Advances in Space Research*, **2019**, 64, 2012-2025	2.4	1
304	The Effects of Vertically Propagating Tides on the Mean Dynamical Structure of the Lower Thermosphere. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7202-7219	2.6	4
303	Zonally Symmetric Oscillations of the Thermosphere at Planetary Wave Periods. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4110-4128	2.6	25
302	Exploring Wave-Wave Interactions in a General Circulation Model. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 827-847	2.6	14
301	Kelvin wave coupling from TIMED and GOCE: Inter/intra-annual variability and solar activity effects. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2018**, 171, 176-187	2	8
300	Seminal Evidence of a 2.5-Sol Ultra-Fast Kelvin Wave in Mars' Middle and Upper Atmosphere. *Geophysical Research Letters*, **2018**, 45, 6324-6333	4.9	4
299	The Ionospheric Connection Explorer Mission: Mission Goals and Design. *Space Science Reviews*, **2018**, 214, 1	7.5	68
298	Polar Region Variability in the Lower Thermosphere of Mars From Odyssey and Reconnaissance Orbiter Aerobraking Measurements. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8664-8687	2.6	7
297	Oscillation of the Ionosphere at Planetary-Wave Periods. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 7634-7649	2.6	28
296	Nutrition support and glycaemic variability in critically ill patients. *Clinical Nutrition*, **2018**, 37, S171	5.9	2
295	Solar Terminator Waves in Surface Pressure Observations. *Geophysical Research Letters*, **2018**, 45, 5213-5219	4.9	6
294	The quasi-6-day wave and its interactions with solar tides. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4764-4776	2.6	35
293	On the Specification of Upward-Propagating Tides for ICON Science Investigations. *Space Science Reviews*, **2017**, 212, 697-713	7.5	9
292	Wave coupling from the lower to the middle thermosphere: Effects of mean winds and dissipation. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7781-7797	2.6	14
291	Sources of Ionospheric Variability at Mars. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9670-9684	2.6	33
290	Gravity wave-induced variability of the middle thermosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6914-6923	2.6	24
289	Synthetic thermosphere winds based on CHAMP neutral and plasma density measurements. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3699-3721	2.6	1

288	Tides in the mesopause region over Antarctica: Comparison of whole atmosphere model simulations with ground-based observations. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 1156-1169	4.4	4
287	Prolonged multiple excitation of large-scale Traveling Atmospheric Disturbances (TADs) by successive and interacting coronal mass ejections. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2662-2668	2.6	5
286	Solar cycle variability in mean thermospheric composition and temperature induced by atmospheric tides. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 5837-5855	2.6	15
285	Planetary wave variability of Sq currents. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,316-11,332	2.6	11
284	Comparative Analysis of Satellite Aerodynamics and Its Application to Space-Object Identification. *Journal of Spacecraft and Rockets*, **2016**, 53, 876-886	1.5	1
283	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	2.6	28
282	Generation of secondary waves arising from nonlinear interaction between the quasi 2‐day wave and the migrating diurnal tide. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 7762-7780	4.4	18
281	Observations of a large-scale gravity wave propagating over an extremely large horizontal distance in the thermosphere. *Geophysical Research Letters*, **2015**, 42, 6560-6565	4.9	11
280	Density prediction in Mars' aerobraking region. *Space Weather*, **2015**, 13, 86-96	3.7	6
279	Upper thermospheric responses to forcing from above and below during 1–10 April 2010: Results from an ensemble of numerical simulations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3160-3174	2.6	18
278	Lunar semidiurnal tide in the terrestrial airglow. *Geophysical Research Letters*, **2015**, 42, 3553-3559	4.9	10
277	Quasi-10-day wave in the atmosphere. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 11,079-11,089	4.4	26
276	Intraannual variability of tides in the thermosphere from model simulations and in situ satellite observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 751-765	2.6	25
275	Wave coupling between the lower and middle thermosphere as viewed from TIMED and GOCE. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 5788-5804	2.6	30
274	DYNAMICAL METEOROLOGY | Atmospheric Tides **2015**, 287-297		11
273	Ionospheric electron density response to solar flares as viewed by Digisondes. *Space Weather*, **2014**, 12, 205-216	3.7	13
272	Impacts of vertically propagating tides on the mean state of the ionosphere-thermosphere system. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2197-2213	2.6	51
271	Lunar tide contribution to thermosphere weather. *Space Weather*, **2014**, 12, 538-551	3.7	9

270	Tidal-induced net transport effects on the oxygen distribution in the thermosphere. *Geophysical Research Letters*, **2014**, 41, 5272-5279	4.9	39
269	Improved short-term variability in the thermosphere-ionosphere-mesosphere-electrodynamics general circulation model. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 6623-6630	2.6	21
268	Lunar-solar interactions in the equatorial electrojet. *Geophysical Research Letters*, **2014**, 41, 3026-3031	4.9	9
267	Lunar tide in the thermosphere and weakening of the northern polar vortex. *Geophysical Research Letters*, **2014**, 41, 8201-8207	4.9	39
266	New perspectives on thermosphere tides: 2. Penetration to the upper thermosphere. *Earth, Planets and Space*, **2014**, 66, 122	2.9	19
265	Quasi-two-day wave structure, interannual variability, and tidal interactions during the 2002–2011 decade. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 2241-2260	4.4	34
264	Long-term variability of Mars' exosphere based on precise orbital analysis of Mars Global Surveyor and Mars Odyssey. *Journal of Geophysical Research E: Planets*, **2014**, 119, 210-218	4.1	4
263	Insight into the seasonal asymmetry of nonmigrating tides on Mars. *Geophysical Research Letters*, **2014**, 41, 2631-2636	4.9	15
262	Solar cycle dependence of middle atmosphere temperatures. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 9615-9625	4.4	13
261	New perspectives on thermosphere tides: 1. Lower thermosphere spectra and seasonal-latitudinal structures. *Earth, Planets and Space*, **2014**, 66,	2.9	35
260	Lunar semidiurnal tide in the thermosphere under solar minimum conditions. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1788-1801	2.6	51
259	Neutral Composition and Density Effects in the October–November 2003 Magnetic Storms. *Geophysical Monograph Series*, **2013**, 259-269	1.1	1
258	Lunar tidal winds between 80 and 110 km from UARS/HRDI wind measurements. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 5296-5304	2.6	13
257	A decade-long climatology of terdiurnal tides using TIMED/SABER observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 4534-4550	2.6	19
256	Non-migrating tides in the ionosphere-thermosphere: In situ versus tropospheric sources. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2438-2451	2.6	46
255	Analysis of Wave Signatures in the Equatorial Ionosphere. *Geophysical Monograph Series*, **2013**, 111-119	1.1	4
254	Effect of Density Model Time-Delay Errors on Orbit Prediction. *Journal of Spacecraft and Rockets*, **2013**, 50, 1096-1105	1.5	2
253	Tidal and Planetary Waves. *Geophysical Monograph Series*, **2013**, 67-87	1.1	156

252	Seasonal-latitudinal variation of the eastward-propagating diurnal tide with zonal wavenumber 3 in the MLT: Influences of heating and background wind distribution. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2012**, 78-79, 37-43	2	15
251	Middle and upper thermosphere density structures due to nonmigrating tides. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		7
250	Lunar tide amplification during the January 2009 stratosphere warming event: Observations and theory. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		97
249	Ionosphere response to recurrent geomagnetic activity in 1974. *Journal of Geophysical Research*, **2012**, 117,		9
248	Impact of tidal density variability on orbital and reentry predictions. *Space Weather*, **2012**, 10, n/a-n/a	3.7	20
247	The quasi 2 day wave and spatial-temporal variability of the OH emission and ionosphere. *Journal of Geophysical Research*, **2012**, 117,		35
246	Quasi-two-day wave-tide interactions as revealed in satellite observations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		25
245	Diurnal tides from the troposphere to the lower mesosphere as deduced from TIMED/SABER satellite data and six global reanalysis data sets. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		46
244	First detection of wave interactions in the middle atmosphere of Mars. *Geophysical Research Letters* , **2011**, 38, n/a-n/a	4.9	5
243	Wave-driven variability in the ionosphere-thermosphere-mesosphere system from TIMED observations: What contributes to the 2-day wave? *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		92
242	Simulated planetary wave-tide interactions in the atmosphere of Mars. *Journal of Geophysical Research*, **2011**, 116,		7
241	Climatology of upward propagating diurnal and semidiurnal tides in the thermosphere. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		100
240	Sun-synchronous thermal tides in exosphere temperature from CHAMP and GRACE accelerometer measurements. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		13
239	Response of thermosphere density to changes in interplanetary magnetic field sector polarity. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		11
238	Electrodynamic response of the ionosphere to high-speed solar wind streams. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		16
237	A new perspective on gravity waves in the Martian atmosphere: Sources and features. *Journal of Geophysical Research*, **2011**, 116,		15
236	Latitudinal variations of middle thermosphere: Observations and modeling. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		7
235	Longitudinal variations in the F region ionosphere and the topside ionosphere-plasmasphere: Observations and model simulations. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		46

234	Seasonal and longitudinal variations of the solar quiet (Sq) current system during solar minimum determined by CHAMP satellite magnetic field observations. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		38
233	Ionosphere response to recurrent geomagnetic activity: Local time dependency. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		37
232	Longitudinal variation of tides in the MLT region: 1. Tides driven by tropospheric net radiative heating. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		57
231	Longitudinal variation of tides in the MLT region: 2. Relative effects of solar radiative and latent heating. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		59
230	Principal modes of thermospheric density variability: Empirical orthogonal function analysis of CHAMP 2001–2008 data. *Journal of Geophysical Research*, **2010**, 115,		32
229	Longitudinal and geomagnetic activity modulation of the equatorial thermosphere anomaly. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		31
228	A new interpretation of Mars aerobraking variability: Planetary wave-tide interactions. *Journal of Geophysical Research*, **2010**, 115,		27
227	Global structure of the lunar tide in ionospheric total electron content. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	29
226	Anomalous behavior of the thermosphere during solar minimum observed by CHAMP and GRACE. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		38
225	On the relationship between thermosphere density and solar wind parameters during intense geomagnetic storms. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		15
224	Evidence for stratosphere sudden warming-ionosphere coupling due to vertically propagating tides. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	132
223	A collaborative study on temperature diurnal tide in the midlatitude mesopause region (41°N, 105°W) with Na lidar and TIMED/SABER observations. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2010**, 72, 541-549	2	24
222	Global distribution and climatological features of the 5–8-day planetary waves seen in the SABER/TIMED temperatures (2002–2007). *Journal of Atmospheric and Solar-Terrestrial Physics*, **2010**, 72, 26-37	2	38
221	Large-scale traveling atmospheric disturbances (LSTADs) in the thermosphere inferred from CHAMP, GRACE, and SETA accelerometer data. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2010**, 72, 1057-1066	2	15
220	Sensitivity of Orbit Predictions to Density Variability. *Journal of Spacecraft and Rockets*, **2009**, 46, 1214-1230	1.3	25
219	Planetary waves observed by TIMED/SABER in coupling the stratosphere–mesosphere–lower thermosphere during the winter of 2003/2004: Part 1—Comparison with the UKMO temperature results. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2009**, 71, 61-74	2	45
218	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. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2009**, 71, 75-87	2	62
217	Properties of traveling atmospheric disturbances (TADs) inferred from CHAMP accelerometer observations. *Advances in Space Research*, **2009**, 43, 369-376	2.4	35

216	Semi-empirical model of middle atmosphere wind from the ground to the lower thermosphere. *Advances in Space Research*, **2009**, 43, 239-246	2.4	22
215	Kelvin waves in stratosphere, mesosphere and lower thermosphere temperatures as observed by TIMED/SABER during 2002–2006. *Earth, Planets and Space*, **2009**, 61, 447-453	2.9	37
214	The effect of non-migrating tides on the morphology of the equatorial ionospheric anomaly: seasonal variability. *Earth, Planets and Space*, **2009**, 61, 493-503	2.9	34
213	Upward propagating tidal effects across the E- and F-regions of the ionosphere. *Earth, Planets and Space*, **2009**, 61, 505-512	2.9	27
212	Modulation of the equatorial F-region by the quasi-16-day planetary wave. *Geophysical Research Letters*, **2009**, 36,	4.9	32
211	Surface-exosphere coupling due to thermal tides. *Geophysical Research Letters*, **2009**, 36, n/a-n/a	4.9	93
210	Mars W cloud: Evidence of nighttime ice depositions. *Geophysical Research Letters*, **2009**, 36,	4.9	1
209	Solar terminator wave in a Mars general circulation model. *Geophysical Research Letters*, **2009**, 36,	4.9	7
208	Solar terminator wave and its relation to the atmospheric tide. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		37
207	Interannual variability in the longitudinal structure of the low-latitude ionosphere due to the El Niño Southern Oscillation. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		17
206	Observations of the ionospheric response to the 15 December 2006 geomagnetic storm: Long-duration positive storm effect. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		58
205	Longitude variations of the solar semidiurnal tides in the mesosphere and lower thermosphere at low latitudes observed from ground and space. *Journal of Geophysical Research*, **2009**, 114,		16
204	Tropospheric tides from 80 to 400 km: Propagation, interannual variability, and solar cycle effects. *Journal of Geophysical Research*, **2009**, 114,		162
203	Relative intensities of middle atmosphere waves. *Journal of Geophysical Research*, **2009**, 114,		48
202	Solar cycle variability of Mars dayside exospheric temperatures: Model evaluation of underlying thermal balances. *Geophysical Research Letters*, **2009**, 36,	4.9	70
201	Rapid response of the thermosphere to variations in Joule heating. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		38
200	Reversed ionospheric convections during the November 2004 storm: Impact on the upper atmosphere. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		11
199	Dependence of the high-latitude thermospheric densities on the interplanetary magnetic field. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		18

198	Solar flux variability of Mars' exosphere densities and temperatures. *Geophysical Research Letters*, **2008**, 35,	4.9	51
197	Tidal propagation of deep tropical cloud signatures into the thermosphere from TIMED observations. *Geophysical Research Letters*, **2008**, 35,	4.9	103
196	Tidal variability in the lower thermosphere: Comparison of Whole Atmosphere Model (WAM) simulations with observations from TIMED. *Geophysical Research Letters*, **2008**, 35,	4.9	79
195	Tidal variability in the ionospheric dynamo region. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		246
194	Response Characteristics of Orbit-Mean Satellite Drag to Varying Geomagnetic Conditions **2008**,		1
193	A solar terminator wave in thermosphere neutral densities measured by the CHAMP satellite. *Geophysical Research Letters*, **2008**, 35,	4.9	59
192	Thermospheric nitric oxide variability induced by nonmigrating tides. *Geophysical Research Letters*, **2008**, 35,	4.9	43
191	Intra-annual variability of the low-latitude ionosphere due to nonmigrating tides. *Geophysical Research Letters*, **2008**, 35,	4.9	63
190	Effects of vertically propagating thermal tides on the mean structure and dynamics of Mars' lower thermosphere. *Geophysical Research Letters*, **2008**, 35,	4.9	22
189	Interannual and latitudinal variability of the thermosphere density annual harmonics. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		23
188	Thermospheric density oscillations due to periodic solar wind high-speed streams. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		102
187	Global thermospheric density variations caused by high-speed solar wind streams during the declining phase of solar cycle 23. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		71
186	Changes in the longitudinal structure of the low-latitude ionosphere during the July 2004 sequence of geomagnetic storms. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		14
185	Topographic connections with density waves in Mars' aerobraking regime. *Journal of Geophysical Research*, **2008**, 113,		34
184	Medium- to large-scale density variability as observed by CHAMP. *Space Weather*, **2008**, 6, n/a-n/a	3.7	40
183	Reply by the Authors to G. Koppenwallner. *Journal of Spacecraft and Rockets*, **2008**, 45, 1328-1329	1.5	5
182	Rotating solar coronal holes and periodic modulation of the upper atmosphere. *Geophysical Research Letters*, **2008**, 35,	4.9	119
181	Ionosphere response to solar wind high-speed streams. *Geophysical Research Letters*, **2008**, 35,	4.9	93

180	Oscillation of Venus' upper atmosphere. *Geophysical Research Letters*, **2007**, 34,	4.9	9
179	Global observation of traveling atmospheric disturbances (TADs) in the thermosphere. *Geophysical Research Letters*, **2007**, 34,	4.9	52
178	Effects of solar variability on thermosphere density from CHAMP accelerometer data. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		47
177	Density and Winds in the Thermosphere Deduced from Accelerometer Data. *Journal of Spacecraft and Rockets*, **2007**, 44, 1210-1219	1.5	132
176	Dynamics of the Thermosphere. *Journal of the Meteorological Society of Japan*, **2007**, 85B, 193-213	2.8	50
175	Seasonal cycle of nonmigrating diurnal tides in the MLT region due to tropospheric heating rates from the NCEP/NCAR Reanalysis Project. *Advances in Space Research*, **2007**, 39, 1347-1350	2.4	11
174	Introduction: New Perspectives on the Satellite Drag Environments of Earth, Mars, and Venus. *Journal of Spacecraft and Rockets*, **2007**, 44, 1153-1153	1.5	
173	Storm-Time Equatorial Density Enhancements Observed by CHAMP and GRACE. *Journal of Spacecraft and Rockets*, **2007**, 44, 1154-1159	1.5	15
172	Satellite Drag Variability at Earth, Mars, and Venus due to Solar Rotation. *Journal of Spacecraft and Rockets*, **2007**, 44, 1160-1164	1.5	3
171	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,	4.9	56
170	Solar rotation effects on the thermospheres of Mars and Earth. *Science*, **2006**, 312, 1366-8	33.3	68
169	Variability of the Satellite Drag Environments of Earth, Mars and Venus due to Rotation of the Sun **2006**,		2
168	Thermospheric Studies with Mars Global Surveyor **2006**,		7
167	Troposphere-thermosphere tidal coupling as measured by the SABER instrument on TIMED during July–September 2002. *Journal of Geophysical Research*, **2006**, 111,		141
166	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	4.9	62
165	Monthly tidal temperatures 20–120 km from TIMED/SABER. *Journal of Geophysical Research*, **2006**, 111,		171
164	A climatology of tides in the Antarctic mesosphere and lower thermosphere. *Journal of Geophysical Research*, **2006**, 111,		57
163	Solar Semidiurnal Tide in the Dusty Atmosphere of Mars. *Journals of the Atmospheric Sciences*, **2006**, 63, 1798-1817	2.1	25

162	Solar Tides as Revealed by Measurements of Mesosphere Temperature by the MLS Experiment on UARS. *Journals of the Atmospheric Sciences*, **2006**, 63, 1776-1797	2.1	113
161	Density variability at scales typical of gravity waves observed in Mars' thermosphere by the MGS accelerometer. *Geophysical Research Letters*, **2006**, 33,	4.9	48
160	Neutral density response to the solar flares of October and November, 2003. *Geophysical Research Letters*, **2006**, 33,	4.9	80
159	The thermosphere of Venus and its exploration by a Venus Express Accelerometer Experiment. *Planetary and Space Science*, **2006**, 54, 1415-1424	2	8
158	Thermosphere density response to the 20–21 November 2003 solar and geomagnetic storm from CHAMP and GRACE accelerometer data. *Journal of Geophysical Research*, **2006**, 111,		134
157	Thermosphere density variations due to the 15–24 April 2002 solar events from CHAMP/STAR accelerometer measurements. *Journal of Geophysical Research*, **2005**, 110,		63
156	Global thermospheric neutral density and wind response to the severe 2003 geomagnetic storms from CHAMP accelerometer data. *Journal of Geophysical Research*, **2005**, 110,		156
155	Planetary wave coupling from the stratosphere to the thermosphere during the 2002 Southern Hemisphere pre-stratwarm period. *Geophysical Research Letters*, **2005**, 32,	4.9	35
154	A space-based climatology of diurnal MLT tidal winds, temperatures and densities from UARS wind measurements. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2005**, 67, 1533-1543	2	30
153	Climatological lower thermosphere winds as seen by ground-based and space-based instruments. *Annales Geophysicae*, **2004**, 22, 1931-1945	2	9
152	Monthly mean climatology of the prevailing winds and tides in the Arctic mesosphere/lower thermosphere. *Annales Geophysicae*, **2004**, 22, 3395-3410	2	42
151	High- and mid-latitude quasi-2-day waves observed simultaneouslyby four meteor radars during summer 2000. *Annales Geophysicae*, **2004**, 22, 773-788	2	14
150	Mesosphere/lower thermosphere prevailing wind model. *Advances in Space Research*, **2004**, 34, 1755-1762	2.4	49
149	Tides in the middle and upper atmospheres of Mars and Venus. *Advances in Space Research*, **2004**, 33, 125-131	2.4	19
148	Nonmigrating tides in the thermosphere of Mars: a quasi-empirical description. *Advances in Space Research*, **2004**, 34, 1690-1695	2.4	12
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