

H-L Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

5,902
citations

42
h-index

69
g-index

178
ext. papers

6,693
ext. citations

3.5
avg, IF

6.06
L-index

#	Paper	IF	Citations
164	Self-consistent global transport of metallic ions with WACCM-X. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 15619-15630	6.8	0
163	A Comparative Study of Ionospheric Day-To-Day Variability Over Wuhan Based on Ionosonde Measurements and Model Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028589	2.6	8
162	Climate Changes in the Upper Atmosphere: Contributions by the Changing Greenhouse Gas Concentrations and Earth's Magnetic Field From the 1960s to 2010s. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029067	2.6	4
161	Statistical study of medium-scale traveling ionospheric disturbances in low-latitude ionosphere using an automatic algorithm. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	4
160	Migrating Semidiurnal Tide During the September Equinox Transition in the Northern Hemisphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033822	4.4	2
159	Lower-thermosphere/ionosphere (LTI) quantities: current status of measuring techniques and models. <i>Annales Geophysicae</i> , 2021 , 39, 189-237	2	8
158	Azimuthal averaging/reconstruction filtering techniques for finite-difference general circulation models in spherical geometry. <i>Geoscientific Model Development</i> , 2021 , 14, 859-873	6.3	7
157	Numerical simulation of mountain waves over the southern Andes, Part 2: Momentum fluxes and wave/mean-flow interactions. <i>Journals of the Atmospheric Sciences</i> , 2021 ,	2.1	1
156	Day-to-Day Variability of Diurnal Tide in the Mesosphere and Lower Thermosphere Driven From Below. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2019JA027759	2.6	1
155	Interhemispheric transport of metallic ions within ionospheric sporadic E layers by the lower thermospheric meridional circulation. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 4219-4230	6.8	7
154	Interhemispheric differences of mesosphere/lower thermosphere winds and tides investigated from three whole-atmosphere models and meteor radar observations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 13855-13902	6.8	6
153	Preliminary Evidence of Madden-Julian Oscillation Effects on Ultrafast Tropical Waves in the Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027649	2.6	8
152	Global Modeling of Equatorial Spread F with SAMI3/WACCM-X. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088258	4.9	14
151	Quiet-Time Day-to-Day Variability of Equatorial Vertical Ion Drift From Atmosphere Perturbations at Dawn. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027824	2.6	6
150	Day-to-Day Variability of Prereversal Enhancement in the Vertical Ion Drift in Response to Large-Scale Forcing From the Lower Atmosphere. <i>Space Weather</i> , 2020 , 18, e2019SW002334	3.7	8
149	Information Length as a Useful Index to Understand Variability in the Global Circulation. <i>Mathematics</i> , 2020 , 8, 299	2.3	9
148	Numerical Simulation of Mountain Waves over the Southern Andes. Part I: Mountain Wave and Secondary Wave Character, Evolutions, and Breaking. <i>Journals of the Atmospheric Sciences</i> , 2020 , 77, 4337-4356	2.1	5

147	Gravity-wave-perturbed wind shears derived from SABER temperature observations. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14437-14456	6.8	3
146	Assimilation of Ionosphere Observations in the Whole Atmosphere Community Climate Model with Thermosphere-Ionosphere EXTension (WACCMX). <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028251	2.6	6
145	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12380-12403	4.4	126
144	Error growth in the Mesosphere and Lower Thermosphere Based on Hindcast Experiments in a Whole Atmosphere Model. <i>Space Weather</i> , 2019 , 17, 1442-1460	3.7	6
143	Quantifying gravity wave forcing using scale invariance. <i>Nature Communications</i> , 2019 , 10, 2605	17.4	9
142	The Long-Term Trends of Nocturnal Mesopause Temperature and Altitude Revealed by Na Lidar Observations Between 1990 and 2018 at Midlatitude. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 5970-5980	4.4	14
141	Whole Atmosphere Climate Change: Dependence on Solar Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3799-3809	2.6	20
140	Vertical Structure of Terdiurnal Tides in the Antarctic MLT Region: 15-Year Observation Over Syowa (69°S, 39°E). <i>Geophysical Research Letters</i> , 2019 , 46, 2364-2371	4.9	6
139	Investigating an Unusually Large 28-Day Oscillation in Mesospheric Temperature Over Antarctica Using Ground-Based and Satellite Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 8576-8593	4.4	5
138	Ionospheric Variability Due to Tides and Quasi-Two Day Wave Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1554-1565	2.6	17
137	First Results From the Ionospheric Extension of WACCM-X During the Deep Solar Minimum Year of 2008. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1534-1553	2.6	32
136	Temporal Variability of Atomic Hydrogen From the Mesopause to the Upper Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1006-1017	2.6	13
135	Whole Atmosphere Simulation of Anthropogenic Climate Change. <i>Geophysical Research Letters</i> , 2018 , 45, 1567-1576	4.9	44
134	Development and Validation of the Whole Atmosphere Community Climate Model With Thermosphere and Ionosphere Extension (WACCM-X 2.0). <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 381-402	7.1	133
133	Simulations of the Boreal Winter Upper Mesosphere and Lower Thermosphere With Meteorological Specifications in SD-WACCM-X. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3791-3811	4.4	9
132	Coupling of Stratospheric Warmings with Mesospheric Coolings in Observations and Simulations. <i>Journal of Climate</i> , 2018 , 31, 1107-1133	4.4	25
131	Simulation of the 21 August 2017 Solar Eclipse Using the Whole Atmosphere Community Climate Model-eXTended. <i>Geophysical Research Letters</i> , 2018 , 45, 3793-3800	4.9	15
130	Simulations of Zonal Mean Gravity Wave Drag Short-Term Variability in the Southern Hemisphere Mesosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 11,849	4.4	1

129	Analysis and Hindcast Experiments of the 2009 Sudden Stratospheric Warming in WACCMX+DART. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3131-3153	2.6	34
128	Latitudinal Double-Peak Structure of Stationary Planetary Wave 1 in the Austral Winter Middle Atmosphere and Its Possible Generation Mechanism. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 11,551	4.4	5
127	Assessment of the Simulation of Gravity Waves Generation by a Tropical Cyclone in the High-Resolution WACCM and the WRF. <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 2214-2227	7.7	6
126	The Influence of Internal Atmospheric Variability on the Ionosphere Response to a Geomagnetic Storm. <i>Geophysical Research Letters</i> , 2018 , 45, 4578-4585	4.9	18
125	On the wave number 2 eastward propagating quasi 2 day wave at middle and high latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4489-4499	2.6	8
124	Large Wind Shears and Their Implications for Diffusion in Regions With Enhanced Static Stability: The Mesopause and the Tropopause. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 9579-9590	4.4	19
123	Large-scale gravity wave perturbations in the mesopause region above Northern Hemisphere midlatitudes during autumnal equinox: a joint study by the USU Na lidar and Whole Atmosphere Community Climate Model. <i>Annales Geophysicae</i> , 2017 , 35, 181-188	2	10
122	Observations and Simulations of Eddy Diffusion and Tidal Effects on the Semiannual Oscillation in the Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,502	2.6	2
121	Gravity Wave Variation from the Troposphere to the Lower Thermosphere during a Stratospheric Sudden Warming Event: A Case Study. <i>Scientific Online Letters on the Atmosphere</i> , 2017 , 13A, 24-30	2.1	3
120	Impact of semidiurnal tidal variability during SSWs on the mean state of the ionosphere and thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8077-8088	2.6	29
119	Variability and predictability of the space environment as related to lower atmosphere forcing. <i>Space Weather</i> , 2016 , 14, 634-658	3.7	84
118	Influence of the sudden stratospheric warming on quasi-2-day waves. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4885-4896	6.8	15
117	Possible modulation of migrating diurnal tide by latitudinal gradient of zonal wind observed by SABER/TIMED. <i>Science China Earth Sciences</i> , 2016 , 59, 408-417	4.6	0
116	The quasi 2 day wave activities during 2007 austral summer period as revealed by Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2743-2754	2.6	17
115	Short-term nonmigrating tide variability in the mesosphere, thermosphere, and ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3621-3633	2.6	29
114	The quasi-2 day wave activities during 2007 boreal summer period as revealed by Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7256-7268	2.6	8
113	Numerical simulation of the 6 day wave effects on the ionosphere: Dynamo modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,103	2.6	33
112	Traveling planetary-scale waves in the lower thermosphere: Effects on neutral density and composition during solar minimum conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1780-1801	2.6	13

111	The whole atmosphere response to changes in the Earth's magnetic field from 1900 to 2000: An example of top-down vertical coupling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 7781-7800	4.4	10
110	Evidence of nonlinear interaction between quasi 2 day wave and quasi-stationary wave. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1256-1263	2.6	16
109	Ionospheric vertical plasma drift perturbations due to the quasi 2 day wave. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3941-3948	2.6	4
108	Study of the thermospheric and ionospheric response to the 2009 sudden stratospheric warming using TIME-GCM and GSM TIP models: First results. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7873-7888	2.6	21
107	Explaining solar cycle effects on composition as it relates to the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5890-5898	2.6	20
106	Modeled and observed equatorial thermospheric winds and temperatures. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5832-5844	2.6	9
105	Causes of the longitudinal differences in the equatorial vertical E B drift during the 2013 SSW period as simulated by the TIME-GCM. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5117-5136	2.6	35
104	WACCM-X Simulation of Tidal and Planetary Wave Variability in the Upper Atmosphere. <i>Geophysical Monograph Series</i> , 2014 , 181-199	1.1	17
103	The neutral dynamics during the 2009 sudden stratosphere warming simulated by different whole atmosphere models. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1306-1324	2.6	71
102	Ionosphere variability during the 2009 SSW: Influence of the lunar semidiurnal tide and mechanisms producing electron density variability. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3828-3843	2.6	66
101	Westward traveling planetary wave events in the lower thermosphere during solar minimum conditions simulated by SD-WACCM-X. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014 , 119, 11-26	2	19
100	Ensemble data assimilation in the Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 9793-9809	4.4	36
99	On the day-to-day variation of the equatorial electrojet during quiet periods. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6966-6980	2.6	39
98	Numerical modeling of the global changes to the thermosphere and ionosphere from the dissipation of gravity waves from deep convection. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7762-7793	2.6	39
97	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	2.6	2
96	Observation of the neutral-ion coupling through 6 day planetary wave. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,376	2.6	30
95	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	2.6	16
94	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	2	7

93	Gravity waves simulated by high-resolution Whole Atmosphere Community Climate Model. <i>Geophysical Research Letters</i> , 2014 , 41, 9106-9112	4.9	68
92	Influence of the El Niño Southern Oscillation on the middle and upper atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2744-2755	2.6	32
91	On the fast zonal transport of the STS-121 space shuttle exhaust plume in the lower thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 94, 19-27	2	6
90	The influence of atmospheric tide and planetary wave variability during sudden stratosphere warmings on the low latitude ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5333-5347	2.6	86
89	Day-to-day ionospheric variability due to lower atmosphere perturbations. <i>Geophysical Research Letters</i> , 2013 , 40, 665-670	4.9	76
88	Global structure and seasonal variability of the migrating terdiurnal tide in the mesosphere and lower thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 105-106, 191-198	2	21
87	Attribution of ionospheric vertical plasma drift perturbations to large-scale waves and the dependence on solar activity. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2452-2465	2.6	60
86	Large-scale ionospheric disturbances due to the dissipation of convectively-generated gravity waves over Brazil. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2419-2427	2.6	16
85	Numerical modeling of the large-scale neutral and plasma responses to the body forces created by the dissipation of gravity waves from 6 h of deep convection in Brazil. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2593-2617	2.6	49
84	Wavenumber broadening of the quasi 2 day planetary wave in the ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3515-3526	2.6	33
83	On the self-organizing process of large scale shear flows. <i>Physics of Plasmas</i> , 2013 , 20, 092306	2.1	18
82	The lower thermosphere during the northern hemisphere winter of 2009: A modeling study using high-altitude data assimilation products in WACCM-X. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 8954-8968	4.4	51
81	Application of data assimilation in the Whole Atmosphere Community Climate Model to the study of day-to-day variability in the middle and upper atmosphere. <i>Geophysical Research Letters</i> , 2013 , 40, 4469-4474	4.9	11
80	Comparison of diurnal tide in models and ground-based observations during the 2005 equinox CAWSES tidal campaign. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012 , 78-79, 19-30	2	19
79	Effect of a solar flare on a traveling atmospheric disturbance. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		8
78	Momentum budget of the migrating diurnal tide in the Whole Atmosphere Community Climate Model at vernal equinox. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		15
77	Parameterization of the inertial gravity waves and generation of the quasi-biennial oscillation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		26
76	Numerical investigation of the quasi 2-day wave in the mesosphere and lower thermosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		55

75	Day-to-day migrating and nonmigrating tidal variability due to the six-day planetary wave. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		38
74	Tidal variability in the mesosphere and lower thermosphere due to the El Niño Southern Oscillation. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	33
73	Zonal-mean global teleconnection from 15 to 110 km derived from SABER and WACCM. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
72	Equatorial and Low Latitude Ionospheric Effects During Sudden Stratospheric Warming Events. <i>Space Science Reviews</i> , 2012 , 168, 385-417	7.5	152
71	Simulations of solar and lunar tidal variability in the mesosphere and lower thermosphere during sudden stratosphere warmings and their influence on the low-latitude ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		82
70	Atmospheric semidiurnal lunar tide climatology simulated by the Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		38
69	Quasi-two-day wave coupling of the mesosphere and lower thermosphere-ionosphere in the TIME-GCM: Two-day oscillations in the ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		34
68	Short-term variability in the migrating diurnal tide caused by interactions with the quasi 2 day wave. <i>Journal of Geophysical Research</i> , 2011 , 116,		81
67	Latitudinal variations of middle thermosphere: Observations and modeling. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		7
66	Neutral Winds and Densities at the Bottomside of the F Layer from Primary and Secondary Gravity Waves from Deep Convection 2011 , 131-139		14
65	Equatorial and Low Latitude Ionospheric Effects During Sudden Stratospheric Warming Events. <i>Space Sciences Series of ISSI</i> , 2011 , 385-417	0.1	3
64	Responses of mesosphere and lower thermosphere temperatures to gravity wave forcing during stratospheric sudden warming. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	35
63	Large wind shears and stabilities in the mesopause region observed by Na wind-temperature lidar at midlatitude. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		27
62	Gravity wave variations during the 2009 stratospheric sudden warming as revealed by ECMWF-T799 and observations. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	48
61	Variations of the nighttime thermospheric mass density at low and middle latitudes. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		23
60	Response of the thermosphere and ionosphere to an ultra fast Kelvin wave. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		52
59	Intermittency and self-organization in turbulent flows. <i>Physica Scripta</i> , 2010 , T142, 014053	2.6	1
58	Thermosphere extension of the Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		113

57	Ionospheric variability due to planetary waves and tides for solar minimum conditions. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		181
56	Unexpected connections between the stratosphere and ionosphere. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	207
55	Fast meridional transport in the lower thermosphere by planetary-scale waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010 , 72, 1372-1378	2	11
54	Overview and summary of the Spread F Experiment (SpreadFEx). <i>Annales Geophysicae</i> , 2009 , 27, 2141-2155		35
53	Convection: the likely source of the medium-scale gravity waves observed in the OH airglow layer near Brasilia, Brazil, during the SpreadFEx campaign. <i>Annales Geophysicae</i> , 2009 , 27, 231-259	2	69
52	Probability distribution function for self-organization of shear flows. <i>Physics of Plasmas</i> , 2009 , 16, 052304.1	4.1	22
51	Error Growth in a Whole Atmosphere Climate Model. <i>Journals of the Atmospheric Sciences</i> , 2009 , 66, 1732-186		35
50	Responses of polar mesospheric cloud brightness to stratospheric gravity waves at the South Pole and Rothera, Antarctica. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 434-445	2	20
49	The spread F Experiment (SpreadFEx): Program overview and first results. <i>Earth, Planets and Space</i> , 2009 , 61, 411-430	2.9	5
48	Momentum balance and gravity wave forcing in the mesosphere and lower thermosphere. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9	21
47	Generation of large-scale gravity waves and neutral winds in the thermosphere from the dissipation of convectively generated gravity waves. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		160
46	Estimation of the equivalent Rayleigh friction in mesosphere/lower thermosphere region from the migrating diurnal tides observed by TIMED. <i>Journal of Geophysical Research</i> , 2009 , 114,		14
45	Short-term variation of the $s = 1$ nonmigrating semidiurnal tide during the 2002 stratospheric sudden warming. <i>Journal of Geophysical Research</i> , 2009 , 114,		36
44	Observation of local tidal variability and instability, along with dissipation of diurnal tidal harmonics in the mesopause region over Fort Collins, Colorado (41°N, 105°W). <i>Journal of Geophysical Research</i> , 2009 , 114,		15
43	Concentric gravity waves in the mesosphere generated by deep convective plumes in the lower atmosphere near Fort Collins, Colorado. <i>Journal of Geophysical Research</i> , 2009 , 114,		84
42	Seasonal and quasi-biennial variations in the migrating diurnal tide observed by Thermosphere, Ionosphere, Mesosphere, Energetics and Dynamics (TIMED). <i>Journal of Geophysical Research</i> , 2009 , 114,		104
41	Stratospheric gravity wave characteristics and seasonal variations observed by lidar at the South Pole and Rothera, Antarctica. <i>Journal of Geophysical Research</i> , 2009 , 114,		47
40	Seasonal oscillations of middle atmosphere temperature observed by Rayleigh lidars and their comparisons with TIMED/SABER observations. <i>Journal of Geophysical Research</i> , 2009 , 114,		22

39	Assessment of the non-hydrostatic effect on the upper atmosphere using a general circulation model (GCM). <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	67
38	Global distribution and interannual variations of mesospheric and lower thermospheric neutral wind diurnal tide: 2. Nonmigrating tide. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		39
37	Climatology of mesopause region temperature, zonal wind, and meridional wind over Fort Collins, Colorado (41°N, 105°W), and comparison with model simulations. <i>Journal of Geophysical Research</i> , 2008 , 113,		34
36	Nonlinear interactions between gravity waves with different wavelengths and diurnal tide. <i>Journal of Geophysical Research</i> , 2008 , 113,		25
35	Hydrodynamic planetary thermosphere model: 1. Response of the Earth's thermosphere to extreme solar EUV conditions and the significance of adiabatic cooling. <i>Journal of Geophysical Research</i> , 2008 , 113,		99
34	Gravity wave and tidal influences on equatorial spread F based on observations during the Spread F Experiment (SpreadFEx). <i>Annales Geophysicae</i> , 2008 , 26, 3235-3252	2	72
33	Coordinated lidar and TIMED observations of the quasi-two-day wave during August 2002-2004 and possible quasi-biennial oscillation influence. <i>Advances in Space Research</i> , 2008 , 41, 1463-1471	2.4	12
32	Global distribution and interannual variations of mesospheric and lower thermospheric neutral wind diurnal tide: 1. Migrating tide. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		51
31	On the large wind shear and fast meridional transport above the mesopause. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	30
30	Evidence of a gravity wave breaking event and the estimation of the wave characteristics from sodium lidar observation over Fort Collins, CO (41°N, 105°W). <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	24
29	Mesopause structure from Thermosphere, Ionosphere, Mesosphere, Energetics, and Dynamics (TIMED)/Sounding of the Atmosphere Using Broadband Emission Radiometry (SABER) observations. <i>Journal of Geophysical Research</i> , 2007 , 112,		61
28	Comparative study of short-term diurnal tidal variability. <i>Journal of Geophysical Research</i> , 2007 , 112,		45
27	Global structure and long-term variations of zonal mean temperature observed by TIMED/SABER. <i>Journal of Geophysical Research</i> , 2007 , 112,		57
26	Sodium lidar-observed strong inertia-gravity wave activities in the mesopause region over Fort Collins, Colorado (41°N, 105°W). <i>Journal of Geophysical Research</i> , 2007 , 112,		23
25	Seasonal oscillations in mesospheric temperatures at low-latitudes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 2367-2378	2	6
24	Spectral Properties of One-Dimensional Diffusive Systems Subject to Stochastic Forcing. <i>Journals of the Atmospheric Sciences</i> , 2007 , 64, 579-593	2.1	7
23	Observations of the 5-day wave in the mesosphere and lower thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006 , 68, 323-339	2	80
22	Mesospheric surf zone and temperature inversion layers in early November 1994. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006 , 68, 1752-1763	2	17

21	Dynamical coupling of the stratosphere and mesosphere in the 2002 Southern Hemisphere major stratospheric sudden warming. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	53
20	Observational study of the 4-day wave in the mesosphere preceding the sudden stratospheric warming events during 1995 and 2002. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	33
19	Characterization of the semi-annual-oscillation in mesospheric temperatures at low-latitudes. <i>Advances in Space Research</i> , 2005 , 35, 2037-2043	2.4	16
18	Dynamical processes related to the atomic oxygen equinox transition. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 769-779	2	12
17	Analysis of a temperature inversion event in the lower mesosphere. <i>Journal of Geophysical Research</i> , 2004 , 109,		24
16	Tidal perturbations and variability in the mesopause region over Fort Collins, CO (41N, 105W): Continuous multi-day temperature and wind lidar observations. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	90
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