

Stan S Solomon

List of Publications by Year in descending order

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235
papers

13,925
citations

17429

63
h-index

27389

106
g-index

244
all docs

244
docs citations

244
times ranked

7409
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of EMIC Wave-Driven Proton Precipitation on the Ionosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	8
2	Observation of Postsunset OI 135.6Ånm Radiance Enhancement Over South America by the GOLD Mission. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028108.	0.8	28
3	Longitudinal Variation of Postsunset Plasma Depletions From the Global-Scale Observations of the Limb and Disk (GOLD) Mission. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028510.	0.8	12
4	Solar flare effects in the Earth's magnetosphere. Nature Physics, 2021, 17, 807-812.	6.5	27
5	Climate Changes in the Upper Atmosphere: Contributions by the Changing Greenhouse Gas Concentrations and Earth's Magnetic Field From the 1960s to 2010s. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029067.	0.8	9
6	First Comparison of Traveling Atmospheric Disturbances Observed in the Middle Thermosphere by Global-Scale Observations of the Limb and Disk to Traveling Ionospheric Disturbances Seen in Ground-Based Total Electron Content Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029248.	0.8	6
7	Investigation of a Neutral "Tongue"-Observed by GOLD During the Geomagnetic Storm on May 11, 2019. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028817.	0.8	46
8	Variations in Thermosphere Composition and Ionosphere Total Electron Content Under "Geomagnetically Quiet" Conditions at Solar Minimum. Geophysical Research Letters, 2021, 48, e2021GL093300.	1.5	40
9	Spectroscopy, gas kinetics, and opacity of thermospheric nitric oxide and implications for analysis of SABER infrared emission measurements at 5.3 Åµm. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 268, 107609.	1.1	7
10	Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate (ROSMIC): a retrospective and prospective view. Progress in Earth and Planetary Science, 2021, 8, .	1.1	13
11	On Recent Large Antarctic Ozone Holes and Ozone Recovery Metrics. Geophysical Research Letters, 2021, 48, e2021GL095232.	1.5	28
12	MinXSS-2 CubeSat mission overview: Improvements from the successful MinXSS-1 mission. Advances in Space Research, 2020, 66, 3-9.	1.2	22
13	RENU2 UV PMT Observations of the Cusp. Geophysical Research Letters, 2020, 47, e2019GL082314.	1.5	2
14	The Two-Dimensional Evolution of Thermospheric O/N_2 Response to Weak Geomagnetic Activity During Solar Minimum Observed by GOLD. Geophysical Research Letters, 2020, 47, e2020GL088838.	1.5	59
15	First Global-Scale Synoptic Imaging of Solar Eclipse Effects in the Thermosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027789.	0.8	17
16	Comparison of GOLD Nighttime Measurements With Total Electron Content: Preliminary Results. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027767.	0.8	35
17	Neutral Exospheric Temperatures From the GOLD Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027814.	0.8	11
18	Variations of Lower Thermospheric FUV Emissions Based on GOLD Observations and GLOW Modeling. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027810.	0.8	3

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19	Observation of Thermospheric Gravity Waves in the Southern Hemisphere With GOLD. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027405.	0.8	8
20	Globalâ€Scale Observations of the Limb and Disk Mission Implementation: 2. Observations, Data Pipeline, and Level 1 Data Products. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027809.	0.8	26
21	Responses of the Thermosphere and Ionosphere System to Concurrent Solar Flares and Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027431.	0.8	11
22	First Synoptic Observations of Geomagnetic Storm Effects on the Globalâ€Scale OI 135.6â€nm Dayglow in the Thermosphere by the GOLD Mission. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085400.	1.5	14
23	New Observations of Largeâ€Scale Waves Coupling With the Ionosphere Made by the GOLD Mission: Quasiâ€1.6â€Day Wave Signatures in the Fâ€Region OI 135.6â€nm Nightglow During Sudden Stratospheric Warmings. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027880.	0.8	24
24	Globalâ€Scale Observations and Modeling of Farâ€Ultraviolet Airglow During Twilight. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027645.	0.8	16
25	Globalâ€Scale Observations of the Limb and Disk Mission Implementation: 1. Instrument Design and Early Flight Performance. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027797.	0.8	14
26	Initial Observations by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027823.	0.8	80
27	Globalâ€Scale Observations of the Equatorial Ionization Anomaly. <i>Geophysical Research Letters</i> , 2019, 46, 9318-9326.	1.5	76
28	Upper Atmosphere Radiance Data Assimilation: A Feasibility Study for GOLD Far Ultraviolet Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8154-8164.	0.8	9
29	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12380-12403.	1.2	261
30	Quantifying the Storm Time Thermospheric Neutral Density Variations Using Model and Observations. <i>Space Weather</i> , 2019, 17, 269-284.	1.3	10
31	The Longâ€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.	1.2	22
32	Whole Atmosphere Climate Change: Dependence on Solar Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3799-3809.	0.8	35
33	Solar Flare and Geomagnetic Storm Effects on the Thermosphere and Ionosphere During 6â€“11 September 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2298-2311.	0.8	67
34	First Results From the Ionospheric Extension of WACCMâ€X During the Deep Solar Minimum Year of 2008. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1534-1553.	0.8	50
35	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
36	Temporal Variability of Atomic Hydrogen From the Mesopause to the Upper Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1006-1017.	0.8	19

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37	Whole Atmosphere Simulation of Anthropogenic Climate Change. <i>Geophysical Research Letters</i> , 2018, 45, 1567-1576.	1.5	60
38	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.	1.3	213
39	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
40	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
41	Ionospheric Electron Content During Solar Cycle 23. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5223-5231.	0.8	7
42	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
43	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.	1.5	18
44	Thermospheric recovery during the 5 April 2010 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4588-4599.	0.8	21
45	New Solar Irradiance Measurements from the Miniature X-Ray Solar Spectrometer Cubesat. <i>Astrophysical Journal</i> , 2017, 835, 122.	1.6	37
46	Carbon dioxide trends in the mesosphere and lower thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4474-4488.	0.8	27
47	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. <i>Space Science Reviews</i> , 2017, 212, 383-408.	3.7	105
48	Global modeling of thermospheric airglow in the far ultraviolet. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7834-7848.	0.8	71
49	Effects of the equatorial ionosphere anomaly on the interhemispheric circulation in the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2522-2530.	0.8	25
50	Scientific objectives and capabilities of the Coronal Solar Magnetism Observatory. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7470-7487.	0.8	40
51	Miniature X-Ray Solar Spectrometer: A Science-Oriented, University 3U CubeSat. <i>Journal of Spacecraft and Rockets</i> , 2016, 53, 328-339.	1.3	46
52	Nitrate ion spikes in ice cores not suitable as proxies for solar proton events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2994-3016.	1.2	25
53	Longitudinal variations of thermospheric composition at the solstices. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6818-6829.	0.8	9
54	Relative importance of horizontal and vertical transports to the formation of ionospheric storm-enhanced density and polar tongue of ionization. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8121-8133.	0.8	71

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55	Thermospheric hydrogen response to increases in greenhouse gases. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3545-3554.	0.8	8
56	Solar cycle variations of thermospheric composition at the solstices. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3740-3749.	0.8	10
57	Comment on "Atmospheric ionization by high-fluence, hard spectrum solar proton events and their probable appearance in the ice core archive" by A. L. Melott et al.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,484.	1.2	1
58	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.	0.8	30
59	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
60	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
61	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
62	A self-consistent model of helium in the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6884-6900.	0.8	31
63	Where does the Thermospheric Ionospheric GEospheric Research (TIGER) Program go?. <i>Advances in Space Research</i> , 2015, 56, 1547-1577.	1.2	10
64	New 3D simulations of climate change in the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2183-2193.	0.8	36
65	Nitrate deposition to surface snow at Summit, Greenland, following the 9 November 2000 solar proton event. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6938-6957.	1.2	16
66	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
67	New aspects of the ionospheric response to the October 2003 superstorms from multiple-satellite observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2298-2317.	0.8	48
68	Secular changes in the thermosphere and ionosphere between two quiet Sun periods. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2255-2262.	0.8	19
69	Global ionospheric total electron contents (TECs) during the last two solar minimum periods. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2090-2100.	0.8	26
70	The winter helium bulge revisited. <i>Geophysical Research Letters</i> , 2014, 41, 6603-6609.	1.5	18
71	Total volcanic stratospheric aerosol optical depths and implications for global climate change. <i>Geophysical Research Letters</i> , 2014, 41, 7763-7769.	1.5	159
72	Simulations of the equatorial thermosphere anomaly: Geomagnetic activity modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6821-6832.	0.8	8

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73	Wavelength dependence of solar irradiance enhancement during X-class flares and its influence on the upper atmosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 115-116, 87-94.	0.6	7
74	On the solar cycle variation of the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4938-4949.	0.8	38
75	Effect of trends of middle atmosphere gases on the mesosphere and thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3846-3855.	0.8	29
76	The anomalous ionosphere between solar cycles 23 and 24. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6524-6535.	0.8	93
77	Annual/semiannual variation of the ionosphere. <i>Geophysical Research Letters</i> , 2013, 40, 1928-1933.	1.5	90
78	The effect of solar radio bursts on the GNSS radio occultation signals. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5906-5918.	0.8	21
79	Simulation of polar stratospheric clouds in the specified dynamics version of the whole atmosphere community climate model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4991-5002.	1.2	47
80	Anomalously low geomagnetic energy inputs during 2008 solar minimum. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
81	Daytime climatology of ionospheric N_m and F_2 and h_m from COSMIC data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
82	Global 3D ionospheric electron density reanalysis based on multisource data assimilation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
83	CMIT study of CR2060 and 2068 comparing L1 and MAS solar wind drivers. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 83, 39-50.	0.6	18
84	The effects of Corotating interaction region/High speed stream storms on the thermosphere and ionosphere during the last solar minimum. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 83, 79-87.	0.6	56
85	Solar flare impacts on ionospheric electrodyamics. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	53
86	Solar EUV and XUV energy input to thermosphere on solar rotation time scales derived from photoelectron observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
87	Modeling studies of the impact of high-speed streams and corotating interaction regions on the thermosphere-ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	50
88	Trends in the Neutral and Ionized Upper Atmosphere. <i>Space Science Reviews</i> , 2012, 168, 113-145.	3.7	98
89	Thermospheric Density: An Overview of Temporal and Spatial Variations. <i>Space Science Reviews</i> , 2012, 168, 147-173.	3.7	102
90	On deriving incident auroral particle fluxes in the daytime using combined ground-based optical and radar measurements. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	4

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91	Longitudinal variations of nighttime electron auroral precipitation in both the Northern and Southern hemispheres from the TIMED global ultraviolet imager. Journal of Geophysical Research, 2011, 116, .	3.3	18
92	Progress in observations and simulations of global change in the upper atmosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	76
93	Causes of low thermospheric density during the 2007-2009 solar minimum. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	116
94	Variability of thermosphere and ionosphere responses to solar flares. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	68
95	The summer evening anomaly and conjugate effects. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	33
96	Global distribution, seasonal, and inter-annual variations of mesospheric semidiurnal tide observed by TIMED TIDI. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 2482-2502.	0.6	59
97	Ionospheric Day-to-Day Variability Around the Whole Heliosphere Interval in 2008. Solar Physics, 2011, 274, 457-472.	1.0	45
98	Trends in the Neutral and Ionized Upper Atmosphere. Space Sciences Series of ISSI, 2011, , 113-145.	0.0	1
99	Thermospheric Density: An Overview of Temporal and Spatial Variations. Space Sciences Series of ISSI, 2011, , 147-173.	0.0	1
100	Thermosphere extension of the Whole Atmosphere Community Climate Model. Journal of Geophysical Research, 2010, 115, .	3.3	144
101	Ionospheric response to the initial phase of geomagnetic storms: Common features. Journal of Geophysical Research, 2010, 115, .	3.3	75
102	Seasonal and hemispheric variations of the total auroral precipitation energy flux from TIMED/GUVI. Journal of Geophysical Research, 2010, 115, .	3.3	33
103	Flare location on the solar disk: Modeling the thermosphere and ionosphere response. Journal of Geophysical Research, 2010, 115, .	3.3	70
104	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
105	Anomalously low solar extreme-ultraviolet irradiance and thermospheric density during solar minimum. Geophysical Research Letters, 2010, 37, .	1.5	171
106	Parameterization of monoenergetic electron impact ionization. Geophysical Research Letters, 2010, 37, .	1.5	93
107	Model simulation of thermospheric response to recurrent geomagnetic forcing. Journal of Geophysical Research, 2010, 115, .	3.3	44
108	Artificial plasma cave in the low-latitude ionosphere results from the radio occultation inversion of the FORMOSAT-3/COSMIC. Journal of Geophysical Research, 2010, 115, .	3.3	71

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109	Contributions of Stratospheric Water Vapor to Decadal Changes in the Rate of Global Warming. <i>Science</i> , 2010, 327, 1219-1223.	6.0	975
110	The effect of carbon dioxide cooling on trends in the F2-layer ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1592-1601.	0.6	47
111	Seasonal variation of thermospheric density and composition. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	183
112	Spectral analysis of ionospheric electron density and mesospheric neutral wind diurnal nonmigrating tides observed by COSMIC and TIMED satellites. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	17
113	Unusual declining phase of solar cycle 23: Weak semi-annual variations of auroral hemispheric power and geomagnetic activity. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	8
114	Photoelectrons as a tool to evaluate spectral variations in solar EUV irradiance over solar cycle timescales. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
115	Building and Using Coupled Models for the Space Weather System: Lessons Learned. <i>Space Weather</i> , 2009, 7, n/a-n/a.	1.3	4
116	Structure of the nonmigrating semidiurnal tide above Antarctica observed from the TIMED Doppler Interferometer. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
117	Thermal escape of carbon from the early Martian atmosphere. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	127
118	Reversed ionospheric convections during the November 2004 storm: Impact on the upper atmosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
119	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. <i>Solar Physics</i> , 2008, 250, 235-267.	1.0	62
120	Thermospheric neutral density response to solar forcing. <i>Advances in Space Research</i> , 2008, 42, 926-932.	1.2	13
121	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, .	3.3	74
122	Model simulations of global change in the ionosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	58
123	Altitude variations of the horizontal thermospheric winds during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	35
124	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, .	3.3	53
125	Driving the TING model with GAIM electron densities: Ionospheric effects on the thermosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	27
126	Electromagnetic waves generated by ionospheric feedback instability. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16

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127	Observations and simulations of the ionospheric and thermospheric response to the December 2006 geomagnetic storm: Initial phase. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	120
128	Ionospheric annual asymmetry observed by the COSMIC radio occultation measurements and simulated by the TIEGCM. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	99
129	An event study to provide validation of TING and CMIT geomagnetic middle-latitude electron densities at the F ₂ peak. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	7
130	Hydrodynamic planetary thermosphere model: 2. Coupling of an electron transport/energy deposition model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	37
131	Influence of Space Weather on Aircraft Ionizing Radiation Exposure. , 2008, , .		8
132	Ionospheric electric field variations during a geomagnetic storm simulated by a coupled magnetosphere ionosphere thermosphere (CMIT) model. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	78
133	Midlatitude nighttime enhancement in <i>F</i> region electron density from global COSMIC measurements under solar minimum winter condition. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	63
134	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
135	Meridional winds derived from COSMIC radio occultation measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
136	Observations and simulations of quasiperiodic ionospheric oscillations and large-scale traveling ionospheric disturbances during the December 2006 geomagnetic storm. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
137	Behavior of the <i>F</i> peak ionosphere over the South Pacific at dusk during quiet summer conditions from COSMIC data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	92
138	Electron impact ionization: A new parameterization for 100 eV to 1 MeV electrons. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	84
139	Geology of the Caloris Basin, Mercury: A View from MESSENGER. <i>Science</i> , 2008, 321, 73-76.	6.0	140
140	Reflectance and Color Variations on Mercury: Regolith Processes and Compositional Heterogeneity. <i>Science</i> , 2008, 321, 66-69.	6.0	167
141	The Structure of Mercury's Magnetic Field from MESSENGER's First Flyby. <i>Science</i> , 2008, 321, 82-85.	6.0	194
142	Mercury's Exosphere: Observations During MESSENGER's First Mercury Flyby. <i>Science</i> , 2008, 321, 92-94.	6.0	77
143	MESSENGER Observations of the Composition of Mercury's Ionized Exosphere and Plasma Environment. <i>Science</i> , 2008, 321, 90-92.	6.0	121
144	Space Weather Nowcasting of Atmospheric Ionizing Radiation for Aviation Safety. , 2007, , .		4

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145	Electrodynamics of magnetosphere-ionosphere coupling and feedback on magnetospheric field line resonances. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	21
146	Comparison of COSMIC ionospheric measurements with ground-based observations and model predictions: Preliminary results. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	266
147	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
148	Duration of an ionospheric data assimilation initialization of a coupled thermosphere-ionosphere model. <i>Space Weather</i> , 2007, 5, n/a-n/a.	1.3	36
149	An analysis of neutral wind generated currents during geomagnetic storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 159-165.	0.6	10
150	The ionospheric and thermospheric response to CMEs: Challenges and successes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 77-85.	0.6	67
151	Enhancement of OI 630.0nm emission at mid-latitudes during an intense magnetic storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 697-706.	0.6	3
152	TIMED Doppler Interferometer: Overview and recent results. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	140
153	TIMED Doppler Interferometer on the Thermosphere Ionosphere Mesosphere Energetics and Dynamics satellite: Data product overview. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	36
154	Aspects of data assimilation peculiar to space weather forecasting. <i>Space Weather</i> , 2006, 4, n/a-n/a.	1.3	16
155	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
156	Vertical variations in the N ₂ mass mixing ratio during a thermospheric storm that have been simulated using a coupled magnetosphere-ionosphere-thermosphere model. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	25
157	Observations of the solar soft X-ray irradiance by the student nitric oxide explorer. <i>Advances in Space Research</i> , 2006, 37, 209-218.	1.2	12
158	The TIGER (thermospheric-ionospheric geospheric research) program: Introduction. <i>Advances in Space Research</i> , 2006, 37, 194-198.	1.2	10
159	Numerical models of the E-region ionosphere. <i>Advances in Space Research</i> , 2006, 37, 1031-1037.	1.2	31
160	TIMED Doppler interferometer (TIDI) observations of migrating diurnal and semidiurnal tides. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 408-417.	0.6	59
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