S L England

List of Publications by Year
in descending order

88 papers	4,070 citations	147801 31 h-index	118850 62 g-index
104 all docs	104 docs citations	104 times ranked	1998 citing authors

#	Article	IF	Citations
1	Control of equatorial ionospheric morphology by atmospheric tides. Geophysical Research Letters, 2006, 33, .	4.0	551
2	Longitudinal variation of the E-region electric fields caused by atmospheric tides. Geophysical Research Letters, 2006, 33, .	4.0	219
3	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. Icarus, 2018, 315, 146-157.	2.5	216
4	Connections between deep tropical clouds and the Earth's ionosphere. Geophysical Research Letters, 2007, 34, .	4.0	198
5	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	12.6	166
6	Longitudinal structure of the vertical E Ã— B drift and ion density seen from ROCSATâ€1. Geophysical Research Letters, 2007, 34, .	4.0	154
7	The Ionospheric Connection Explorer Mission: Mission Goals and Design. Space Science Reviews, 2018, 214, 1.	8.1	152
8	Modeling of multiple effects of atmospheric tides on the ionosphere: An examination of possible coupling mechanisms responsible for the longitudinal structure of the equatorial ionosphere. Journal of Geophysical Research, 2010, 115, .	3.3	108
9	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. Space Science Reviews, 2017, 212, 383-408.	8.1	105
10	Effect of atmospheric tides on the morphology of the quiet time, postsunset equatorial ionospheric anomaly. Journal of Geophysical Research, 2006, 111, .	3.3	102
11	Wave structures of the plasma density and vertical E Ã— B drift in lowâ€latitude F region. Journal of Geophysical Research, 2008, 113, .	3.3	101
12	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	12.6	90
13	MAVEN NGIMS observations of atmospheric gravity waves in the Martian thermosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 2310-2335.	2.4	88
14	Initial Observations by the GOLD Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027823.	2.4	80
15	Highâ€altitude gravity waves in the Martian thermosphere observed by MAVEN/NGIMS and modeled by a gravity wave scheme. Geophysical Research Letters, 2015, 42, 8993-9000.	4.0	79
16	Globalâ€Scale Observations of the Equatorial Ionization Anomaly. Geophysical Research Letters, 2019, 46, 9318-9326.	4.0	76
17	The MIGHTI Wind Retrieval Algorithm: Description and Verification. Space Science Reviews, 2017, 212, 585-600.	8.1	74
18	A Review of the Effects of Non-migrating Atmospheric Tides on the Earthâ€™s Low-Latitude Ionosphere. Space Science Reviews, 2012, 168, 211-236.	8.1	73

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19	Global distribution and parameter dependences of gravity wave activity in the Martian upper thermosphere derived from MAVEN/NGIMS observations. Journal of Geophysical Research: Space Physics, 2017, 122, 2374-2397.	2.4	66
20	Threeâ€dimensional equatorial spread F modeling: Zonal neutral wind effects. Geophysical Research Letters, 2009, 36, .	4.0	62
21	Gravity wave variations during elevated stratopause events using SABER observations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5287-5303.	3.3	59
22	Simultaneous observations of atmospheric tides from combined in situ and remote observations at Mars from the MAVEN spacecraft. Journal of Geophysical Research E: Planets, 2016, 121, 594-607.	3.6	48
23	Validation of ICONâ€MIGHTI Thermospheric Wind Observations: 2. Greenâ€Line Comparisons to Specular Meteor Radars. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028947.	2.4	45
24	Simulated variability of the highâ€latitude thermosphere induced by smallâ€scale gravity waves during a sudden stratospheric warming. Journal of Geophysical Research: Space Physics, 2014, 119, 357-365.	2.4	44
25	Nonmigrating tides in the Martian atmosphere as observed by MAVEN IUVS. Geophysical Research Letters, 2015, 42, 9057-9063.	4.0	43
26	MAVEN Observations of the Effects of Crustal Magnetic Fields on Electron Density and Temperature in the Martian Dayside Ionosphere. Geophysical Research Letters, 2017, 44, 10812-10821.	4.0	42
27	The Far Ultra-Violet Imager on the Icon Mission. Space Science Reviews, 2017, 212, 655-696.	8.1	39
28	Total electron content in the Mars ionosphere: Temporal studies and dependence on solar EUV flux. Journal of Geophysical Research, 2010, 115, .	3.3	38
29	The effect of non-migrating tides on the morphology of the equatorial ionospheric anomaly: seasonal variability. Earth, Planets and Space, 2009, 61, 493-503.	2.5	37
30	Thermospheric composition variations due to nonmigrating tides and their effect on ionosphere. Geophysical Research Letters, 2010, 37, .	4.0	34
31	Neutral density response to solar flares at Mars. Geophysical Research Letters, 2015, 42, 8986-8992.	4.0	33
32	First Zonal Drift Velocity Measurement of Equatorial Plasma Bubbles (EPBs) From a Geostationary Orbit Using GOLD Data. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028173.	2.4	33
33	Modeling the longitudinal variation in the postâ€sunset farâ€ultraviolet OI airglow using the SAMI2 model. Journal of Geophysical Research, 2008, 113, .	3.3	32
34	Longitudinal structures in Mars' upper atmosphere as observed by MAVEN/NGIMS. Journal of Geophysical Research: Space Physics, 2017, 122, 1258-1268.	2.4	32
35	Upward propagating tidal effects across the E- and F-regions of the ionosphere. Earth, Planets and Space, 2009, 61, 505-512.	2.5	29
36	The Emirates Mars Mission. Space Science Reviews, 2022, 218, 4.	8.1	29

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37	Temporal modulation of the fourâ€peaked longitudinal structure of the equatorial ionosphere by the 2 day planetary wave. Journal of Geophysical Research, 2010, 115, .	3.3	28
38	On the signature of the quasiâ€3â€day wave in the thermosphere during the January 2010 URSI World Day Campaign. Journal of Geophysical Research, 2012, 117, .	3.3	27
39	Thermospheric Expansion Associated With Dust Increase in the Lower Atmosphere on Mars Observed by MAVEN/NGIMS. Geophysical Research Letters, 2018, 45, 2901-2910.	4.0	27
40	Electrodynamics of the Martian dynamo region near magnetic cusps and loops. Geophysical Research Letters, 2014, 41, 1119-1125.	4.0	26
41	Retrieval of Lower Thermospheric Temperatures from O2 A Band Emission: The MIGHTI Experiment on ICON. Space Science Reviews, 2018, 214, 1.	8.1	26
42	Mars's Dayside Upper Ionospheric Composition Is Affected by Magnetic Field Conditions. Journal of Geophysical Research: Space Physics, 2019, 124, 3100-3109.	2.4	26
43	Daytime Ionosphere Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2017, 212, 645-654.	8.1	25
44	Regulation of ionospheric plasma velocities by thermospheric winds. Nature Geoscience, 2021, 14, 893-898.	12.9	25
45	Evidence of Tropospheric Effects on the Ionosphere. Eos, 2009, 90, 69-70.	0.1	24
46	Atmospheric Tides at High Latitudes in the Martian Upper Atmosphere Observed by MAVEN and MRO. Journal of Geophysical Research: Space Physics, 2019, 124, 2943-2953.	2.4	24
47	On wind-driven electrojets at magnetic cusps in the nightside ionosphere of Mars. Earth, Planets and Space, 2012, 64, 93-103.	2.5	23
48	Sensitivity study for ICON tidal analysis. Progress in Earth and Planetary Science, 2020, 7, 18.	3.0	23
49	Threeâ€dimensional multifluid modeling of atmospheric electrodynamics in Mars' dynamo region. Journal of Geophysical Research: Space Physics, 2013, 118, 3647-3659.	2.4	21
50	A comprehensive survey of atmospheric quasi 3â€‰day planetaryâ€scale waves and their impacts on the dayâ€toâ€day variations of the equatorial ionosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 2979-2992.	2.4	21
51	On the Specification of Upward-Propagating Tides for ICON Science Investigations. Space Science Reviews, 2017, 212, 697-713.	8.1	21
52	A method for determining the drift velocity of plasma depletions in the equatorial ionosphere using farâ€ultraviolet spacecraft observations. Journal of Geophysical Research, 2007, 112, .	3.3	20
53	Temporal modulations of the longitudinal structure in F₂ peak height in the equatorial ionosphere as observed by COSMIC. Journal of Geophysical Research, 2010, 115, .	3.3	20
54	Inferring Nighttime Ionospheric Parameters with the Far Ultraviolet Imager Onboard the Ionospheric Connection Explorer. Space Science Reviews, 2018, 214, 1.	8.1	20

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55	Signatures of the 3â€day wave in the lowâ€latitude and midlatitude ionosphere during the January 2010 URSI World Day campaign. Journal of Geophysical Research, 2012, 117, .	3.3	19
56	Daytime O/N2 Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2018, 214, 1.	8.1	19
57	Vertical Propagation of Wave Perturbations in the Middle Atmosphere on Mars by MAVEN/IUVS. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006481.	3.6	18
58	Impacts of atmospheric ultrafast Kelvin waves on radio scintillations in the equatorial ionosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 885-891.	2.4	16
59	An empirical model of the drift velocity of equatorial plasma depletions. Journal of Geophysical Research, 2012, 117, .	3.3	14
60	The 11 year solar cycle signature on waveâ€driven dynamics in WACCM. Journal of Geophysical Research: Space Physics, 2016, 121, 3484-3496.	2.4	13
61	Quasi Twoâ€, Threeâ€, and Sixâ€Day Planetaryâ€Scale Wave Oscillations in the Upper Atmosphere Observed by TIMED/SABER Over ~17 Years During 2002â€“2018. Journal of Geophysical Research: Space Physics, 2019, 124, 9462-9474.	2.4	12
62	Tidal Effects on the Longitudinal Structures of the Martian Thermosphere and Topside Ionosphere Observed by MAVEN. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028562.	2.4	12
63	On the nature of the variability of the Martian thermospheric mass density: Results from electron reflectometry with Mars Global Surveyor. Journal of Geophysical Research, 2012, 117, .	3.3	11
64	First ICONâ€FUV Nighttime NmF2 and hmF2 Comparison to Ground and Spaceâ€Based Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029360.	2.4	11
65	Coupling 1D xRAGE simulations with machine learning for graded inner shell design optimization in double shell capsules. Physics of Plasmas, 2021, 28, .	1.9	10
66	Evaluation of Atmospheric 3â€Day Waves as a Source of Dayâ€toâ€Day Variation of the Ionospheric Longitudinal Structure. Geophysical Research Letters, 2021, 48, e2021GL094877.	4.0	9
67	Vertical Shears of Horizontal Winds in the Lower Thermosphere Observed by ICON. Geophysical Research Letters, 2022, 49, .	4.0	9
68	Observation of Thermospheric Gravity Waves in the Southern Hemisphere With GOLD. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027405.	2.4	8
69	Deducing Nonâ€Migrating Diurnal Tides in the Middle Thermosphere With GOLD Observations of the Earth's far Ultraviolet Dayglow From Geostationary Orbit. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029563.	2.4	8
70	Global responses of gravity waves to planetary waves during stratospheric sudden warming observed by SABER. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12,018.	3.3	7
71	Modeled Gravity Waveâ€Like Perturbations in the Brightness of Far Ultraviolet Emissions for the GOLD Mission. Journal of Geophysical Research: Space Physics, 2018, 123, 5821-5830.	2.4	7
72	First Results From the Retrieved Column O/N₂ Ratio From the Ionospheric Connection Explorer (ICON): Evidence of the Impacts of Nonmigrating Tides. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029575.	2.4	7

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73	First Comparison of Traveling Atmospheric Disturbances Observed in the Middle Thermosphere by Globalâ€Scale Observations of the Limb and Disk to Traveling Ionospheric Disturbances Seen in Groundâ€Based Total Electron Content Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029248.	2.4	6
74	MOSAIC: A Satellite Constellation to Enable Groundbreaking Mars Climate System Science and Prepare for Human Exploration. Planetary Science Journal, 2021, 2, 211.	3.6	6
75	Time-Delay Integration Imaging with ICONâ€™s Far-Ultraviolet Imager. Space Science Reviews, 2017, 212, 715-730.	8.1	5
76	Conjugate Photoelectron Energy Spectra Derived From Coincident FUV and Radio Measurements. Geophysical Research Letters, 2021, 48, .	4.0	5
77	Plasma pressure generated auroral current system: A case study. Geophysical Research Letters, 2012, 39, .	4.0	4
78	Comparison of drift velocities of nighttime equatorial plasma depletions with ambient plasma drifts and thermospheric neutral winds. Journal of Geophysical Research: Space Physics, 2013, 118, 7360-7368.	2.4	4
79	Daily Variability in the Terrestrial UV Airglow. Atmosphere, 2020, 11, 1046.	2.3	4
80	A Synopticâ€Scale Wavelike Structure in the Nighttime Equatorial Ionization Anomaly. Earth and Space Science, 2021, 8, e2020EA001529.	2.6	4
81	The August 2011 URSI World Day campaign: Initial results. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 134, 47-55.	1.6	3
82	Observations of Atmospheric Tides in the Middle and Upper Atmosphere of Mars From MAVEN and MRO. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	3
83	A Hemispheric and Seasonal Comparison of Tropospheric to Mesospheric Gravityâ€Wave Propagation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034990.	3.3	2
84	Modular telecommunication satellite network using on-orbit telerobotic assembly. , 0, , .		1
85	Science Enhancements by the MAVEN Participating Scientists. Space Science Reviews, 2015, 195, 319-355.	8.1	1
86	The Influence of Obliquely Propagating Monsoon Gravity Waves in the Southern Polar Summer Mesosphere After Stratospheric Sudden Warmings in the Winter Stratosphere. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033970.	3.3	1
87	Design of a wide field far-UV spectrometer for a mission to Mars. , 2016, , .		0
88	3D Simulator for Wind Interferometer Data-Model Comparison. , 2020, , .		0