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	The Emirates Mars Mission. Space Science Reviews, 2022, 218, 4.	8.1	29
2	Vertical Shears of Horizontal Winds in the Lower Thermosphere Observed by ICON. Geophysical Research Letters, 2022, 49, .	4.0	9
3	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
4	A Synoptic‐Scale Wavelike Structure in the Nighttime Equatorial Ionization Anomaly. Earth and Space Science, 2021, 8, e2020EA001529.	2.6	4
5	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
6	Validation of ICON‐MIGHTI Thermospheric Wind Observations: 2. Green‐Line Comparisons to Specular Meteor Radars. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028947.	2.4	45
7	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
8	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.	2.4	6
9	Evaluation of Atmospheric 3‐Day Waves as a Source of Day‐to‐Day Variation of the Ionospheric Longitudinal Structure. Geophysical Research Letters, 2021, 48, e2021GL094877.	4.0	9
10	A Hemispheric and Seasonal Comparison of Tropospheric to Mesospheric Gravity‐Wave Propagation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034990.	3.3	2
11	Deducing Non‐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
12	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
13	First ICON‐FUV Nighttime NmF2 and hmF2 Comparison to Ground and Space‐Based Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029360.	2.4	11
14	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
15	Conjugate Photoelectron Energy Spectra Derived From Coincident FUV and Radio Measurements. Geophysical Research Letters, 2021, 48, .	4.0	5
16	Regulation of ionospheric plasma velocities by thermospheric winds. Nature Geoscience, 2021, 14, 893-898.	12.9	25
17	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
18	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

#	Article	IF	Citations
19	3D Simulator for Wind Interferometer Data-Model Comparison. , 2020, , .		0
20	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
21	Daily Variability in the Terrestrial UV Airglow. Atmosphere, 2020, 11, 1046.	2.3	4
22	Observation of Thermospheric Gravity Waves in the Southern Hemisphere With GOLD. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027405.	2.4	8
23	Initial Observations by the GOLD Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027823.	2.4	80
24	Sensitivity study for ICON tidal analysis. Progress in Earth and Planetary Science, 2020, 7, 18.	3.0	23
25	Globalâ€Scale Observations of the Equatorial Ionization Anomaly. Geophysical Research Letters, 2019, 46, 9318-9326.	4.0	76
26	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
27	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
28	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
29	Daytime O/N2 Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2018, 214, 1.	8.1	19
30	Inferring Nighttime Ionospheric Parameters with the Far Ultraviolet Imager Onboard the Ionospheric Connection Explorer. Space Science Reviews, 2018, 214, 1.	8.1	20
31	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
32	Retrieval of Lower Thermospheric Temperatures from O2 A Band Emission: The MIGHTI Experiment on ICON. Space Science Reviews, 2018, 214, 1.	8.1	26
33	The Ionospheric Connection Explorer Mission: Mission Goals and Design. Space Science Reviews, 2018, 214, 1.	8.1	152
34	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
35	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
36	Longitudinal structures in Mars' upper atmosphere as observed by MAVEN/NGIMS. Journal of Geophysical Research: Space Physics, 2017, 122, 1258-1268.	2.4	32

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37	MAVEN NGIMS observations of atmospheric gravity waves in the Martian thermosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 2310-2335.	2.4	88
38	On the Specification of Upward-Propagating Tides for ICON Science Investigations. Space Science Reviews, 2017, 212, 697-713.	8.1	21
39	Time-Delay Integration Imaging with ICONâ€™s Far-Ultraviolet Imager. Space Science Reviews, 2017, 212, 715-730.	8.1	5
40	The Far Ultra-Violet Imager on the Icon Mission. Space Science Reviews, 2017, 212, 655-696.	8.1	39
41	Daytime Ionosphere Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2017, 212, 645-654.	8.1	25
42	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. Space Science Reviews, 2017, 212, 383-408.	8.1	105
43	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
44	The MIGHTI Wind Retrieval Algorithm: Description and Verification. Space Science Reviews, 2017, 212, 585-600.	8.1	74
45	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
46	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
47	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
48	Design of a wide field far-UV spectrometer for a mission to Mars. , 2016, , .		0
49	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
50	Nonmigrating tides in the Martian atmosphere as observed by MAVEN IUVS. Geophysical Research Letters, 2015, 42, 9057-9063.	4.0	43
51	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
52	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
53	Neutral density response to solar flares at Mars. Geophysical Research Letters, 2015, 42, 8986-8992.	4.0	33
54	Science Enhancements by the MAVEN Participating Scientists. Space Science Reviews, 2015, 195, 319-355.	8.1	1

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55	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	12.6	166
56	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	12.6	90
57	The August 2011 URSI World Day campaign: Initial results. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 134, 47-55.	1.6	3
58	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
59	Electrodynamics of the Martian dynamo region near magnetic cusps and loops. Geophysical Research Letters, 2014, 41, 1119-1125.	4.0	26
60	Threeâ€dimensional multifluid modeling of atmospheric electrodynamics in Mars' dynamo region. Journal of Geophysical Research: Space Physics, 2013, 118, 3647-3659.	2.4	21
61	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
62	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
63	Gravity wave variations during elevated stratopause events using SABER observations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5287-5303.	3.3	59
64	On wind-driven electrojets at magnetic cusps in the nightside ionosphere of Mars. Earth, Planets and Space, 2012, 64, 93-103.	2.5	23
65	An empirical model of the drift velocity of equatorial plasma depletions. Journal of Geophysical Research, 2012, 117, .	3.3	14
66	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
67	Plasma pressure generated auroral current system: A case study. Geophysical Research Letters, 2012, 39, .	4.0	4
68	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
69	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
70	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
71	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
72	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

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73	Thermospheric composition variations due to nonmigrating tides and their effect on ionosphere. Geophysical Research Letters, 2010, 37, .	4.0	34
74	Total electron content in the Mars ionosphere: Temporal studies and dependence on solar EUV flux. Journal of Geophysical Research, 2010, 115, .	3.3	38
75	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
76	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
77	Upward propagating tidal effects across the E- and F-regions of the ionosphere. Earth, Planets and Space, 2009, 61, 505-512.	2.5	29
78	Threeâ€dimensional equatorial spread F modeling: Zonal neutral wind effects. Geophysical Research Letters, 2009, 36, .	4.0	62
79	Evidence of Tropospheric Effects on the Ionosphere. Eos, 2009, 90, 69-70.	0.1	24
80	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
81	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
82	Longitudinal structure of the vertical E Ã— B drift and ion density seen from ROCSATâ€1. Geophysical Research Letters, 2007, 34, .	4.0	154
83	Connections between deep tropical clouds and the Earth's ionosphere. Geophysical Research Letters, 2007, 34, .	4.0	198
84	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
85	Control of equatorial ionospheric morphology by atmospheric tides. Geophysical Research Letters, 2006, 33, .	4.0	551
86	Effect of atmospheric tides on the morphology of the quiet time, postsunset equatorial ionospheric anomaly. Journal of Geophysical Research, 2006, 111, .	3.3	102
87	Longitudinal variation of the E-region electric fields caused by atmospheric tides. Geophysical Research Letters, 2006, 33, .	4.0	219
88	Modular telecommunication satellite network using on-orbit telerobotic assembly. , 0, , .		1