

# Laila Andersson

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5451211/laila-andersson-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

132  
papers

3,924  
citations

33  
h-index

58  
g-index

155  
ext. papers

4,612  
ext. citations

4.1  
avg, IF

4.8  
L-index

#	Paper	IF	Citations
132	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. <i>Space Science Reviews</i> , <b>2015</b> , 195, 3-48	7.5	405
131	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , <b>2019</b> , 215, 9	7.5	205
130	Direct observation of localized parallel electric fields in a space plasma. <i>Physical Review Letters</i> , <b>2001</b> , 87, 045003	7.4	138
129	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. <i>Icarus</i> , <b>2018</b> , 315, 146-157	3.8	136
128	The Langmuir Probe and Waves (LPW) Instrument for MAVEN. <i>Space Science Reviews</i> , <b>2015</b> , 195, 173-198	7.5	134
127	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , <b>2015</b> , 350, aad0210	33.3	131
126	Dayside electron temperature and density profiles at Mars: First results from the MAVEN Langmuir probe and waves instrument. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8846-8853	4.9	103
125	Parallel electric fields in the upward current region of the aurora: Indirect and direct observations. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 3685-3694	2.1	102
124	Characteristics of parallel electric fields in the downward current region of the aurora. <i>Physics of Plasmas</i> , <b>2002</b> , 9, 3600-3609	2.1	100
123	Auroral particle acceleration by strong double layers: The upward current region. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		91
122	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. <i>Space Science Reviews</i> , <b>2015</b> , 195, 357-422	7.5	88
121	New features of electron phase space holes observed by the THEMIS mission. <i>Physical Review Letters</i> , <b>2009</b> , 102, 225004	7.4	79
120	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , <b>2015</b> , 350, aad0459	33.3	77
119	Observations of double layers in earth's plasma sheet. <i>Physical Review Letters</i> , <b>2009</b> , 102, 155002	7.4	77
118	Photochemical escape of oxygen from Mars: First results from MAVEN in situ data. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3815-3836	2.6	74
117	Large-amplitude electric fields associated with bursty bulk flow braking in the Earth's plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1832-1844	2.6	73
116	Nonlinear electric field structures in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5693-5701	4.9	64

115	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. <i>Space Science Reviews</i> , <b>2017</b> , 212, 383-408	7.5	63
114	Role of plasma waves in Mars' atmospheric loss. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	63
113	The first in situ electron temperature and density measurements of the Martian nightside ionosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8854-8861	4.9	50
112	Solar-minimum quiet time ion energization and outflow in dynamic boundary related coordinates. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		47
111	Magnetic reconnection in the near-Mars magnetotail: MAVEN observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8838-8845	4.9	45
110	Seasonal variability of Martian ion escape through the plume and tail from MAVEN observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 4009-4022	2.6	43
109	MMS Observations of Electrostatic Waves in an Oblique Shock Crossing. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9430-9442	2.6	40
108	Electron signatures and Alfvén waves. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 15-1		39
107	Kinetic simulations of magnetic reconnection in presence of a background O <sup>+</sup> population. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		37
106	Enhanced O <sub>2</sub> <sup>+</sup> loss at Mars due to an ambipolar electric field from electron heating. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4668-4678	2.6	36
105	Double layers in the downward current region of the aurora. <i>Nonlinear Processes in Geophysics</i> , <b>2003</b> , 10, 45-52	2.9	36
104	Altitude dependence of nightside Martian suprathermal electron depletions as revealed by MAVEN observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8877-8884	4.9	35
103	S bursts and the Jupiter ionospheric Alfvén resonator. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		35
102	Electron energetics in the Martian dayside ionosphere: Model comparisons with MAVEN data. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7049-7066	2.6	34
101	Dust observations at orbital altitudes surrounding Mars. <i>Science</i> , <b>2015</b> , 350, aad0398	33.3	33
100	Sources of Ionospheric Variability at Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9670-9684	4.3	33
99	Dynamic coordinates for auroral ion outflow. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		31
98	Variations of the Martian plasma environment during the ICME passage on 8 March 2015: A time-dependent MHD study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1714-1730	2.6	30

97	A model of electromagnetic electron phase-space holes and its application. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		30
96	Vertical thermal O <sup>+</sup> flows at 850 km in dynamic auroral boundary coordinates. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		30
95	Initial Observations by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020A027823		23
94	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8859-8870	2.6	29
93	MAVEN Observations of the Effects of Crustal Magnetic Fields on Electron Density and Temperature in the Martian Dayside Ionosphere. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 10812-10821	4.9	28
92	Electric Mars: The first direct measurement of an upper limit for the Martian polar wind electric potential. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9128-9134	4.9	28
91	MAVEN observations of dayside peak electron densities in the ionosphere of Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 891-906	2.6	27
90	Ionospheric plasma density variations observed at Mars by MAVEN/LPW. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8862-8869	4.9	27
89	Observations of plasma waves in the colliding jet region of a magnetic flux rope flanked by two active X lines at the subsolar magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6256-6272	2.6	26
88	Estimates of the suprathermal O <sup>+</sup> outflow characteristic energy and relative location in the auroral oval. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	26
87	Survey of magnetic reconnection signatures in the Martian magnetotail with MAVEN. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5114-5131	2.6	25
86	Electric and magnetic variations in the near-Mars environment. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8536-8559	2.6	25
85	MAVEN Observations of Solar Wind-Driven Magnetosonic Waves Heating the Martian Dayside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 4129-4149	2.6	25
84	The Mars Topside Ionosphere Response to the X8.2 Solar Flare of 10 September 2017. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8005-8013	4.9	24
83	The Combined Atmospheric Photochemistry and Ion Tracing code: Reproducing the Viking Lander results and initial outflow results. <i>Icarus</i> , <b>2010</b> , 206, 120-129	3.8	24
82	Electron Phase-Space Holes in Three Dimensions: Multispacecraft Observations by Magnetospheric Multiscale. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9963-9978	2.6	24
81	Observations and Modeling of the Mars Low-Altitude Ionospheric Response to the 10 September 2017 X-Class Solar Flare. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7382-7390	4.9	23
80	Comparative study of the Martian suprathermal electron depletions based on Mars Global Surveyor, Mars Express, and Mars Atmosphere and Volatile Evolution mission observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 857-873	2.6	22

79	Geomagnetic activity dependence of O <sup>+</sup> in transit from the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2009</b> , 71, 1623-1629	2	22
78	The Martian Photoelectron Boundary as Seen by MAVEN. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,472-10,485	2.6	21
77	Neutral density response to solar flares at Mars. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8986-8992	4.9	21
76	Kinetic instabilities in the lunar wake: ARTEMIS observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		21
75	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12665-12674	4.9	21
74	Using Magnetic Topology to Probe the Sources of Mars' Nightside Ionosphere. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12,190-12,197	4.9	21
73	Quiet, Discrete Auroral Arcs Observations. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	19
72	Martian Electron Temperatures in the Subsolar Region: MAVEN Observations Compared to a One-Dimensional Model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5960-5973	2.6	19
71	MAVEN observations of electron-induced whistler mode waves in the Martian magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9717-9731	2.6	19
70	Three dimensional density cavities in guide field collisionless magnetic reconnection. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 032119	2.1	18
69	Mars Thermospheric Variability Revealed by MAVEN EUVM Solar Occultations: Structure at Aphelion and Perihelion and Response to EUV Forcing. <i>Journal of Geophysical Research E: Planets</i> , <b>2018</b> , 123, 2248-2269	4.1	17
68	Mars's Dayside Upper Ionospheric Composition Is Affected by Magnetic Field Conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 3100-3109	2.6	16
67	Influence of suprathermal background electrons on strong auroral double layers: Observations. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 072901	2.1	16
66	Hypervelocity dust impacts on the Wind spacecraft: Correlations between Ulysses and Wind interstellar dust detections. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7121-7129	2.6	15
65	Influence of suprathermal background electrons on strong auroral double layers: Vlasov-simulation parameter study. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 072902	2.1	14
64	MAVEN observations of a giant ionospheric flux rope near Mars resulting from interaction between the crustal and interplanetary draped magnetic fields. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 828-842	2.6	13
63	MAVEN and MEX Multi-instrument Study of the Dayside of the Martian Induced Magnetospheric Structure Revealed by Pressure Analyses. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8564-8589	2.6	13
62	Influence of suprathermal background electrons on strong auroral double layers: Laminar and turbulent regimes. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 072903	2.1	13

61	Acceleration of antiearthward electron fluxes in the auroral region. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		12
60	Ambipolar Electric Field in the Martian Ionosphere: MAVEN Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 4518-4524	2.6	11
59	Ionospheric ambipolar electric fields of Mars and Venus: Comparisons between theoretical predictions and direct observations of the electric potential drop. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1168-1176	4.9	11
58	MAVEN Observations of Ionospheric Irregularities at Mars. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 10,845-10,850	4.9	11
57	Electric Mars: A large trans-terminator electric potential drop on closed magnetic field lines above Utopia Planitia. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 2260-2271	2.6	11
56	MAVEN and the total electron content of the Martian ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3526-3537	2.6	10
55	Inverted-V Electron Acceleration Events Concurring With Localized Auroral Observations at Mars by MAVEN. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087414	4.9	10
54	Modeling Wind-Driven Ionospheric Dynamo Currents at Mars: Expectations for InSight Magnetic Field Measurements. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5083-5091	4.9	10
53	A global comparison of O <sup>+</sup> upward flows at 850 km and outflow rates at 6000 km during nonstorm times. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		10
52	Dawnward shift of the dayside O <sup>+</sup> outflow distribution: The importance of field line history in O <sup>+</sup> escape from the ionosphere. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		10
51	Mars' Ionopause: A Matter of Pressures. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028145	2.6	10
50	Oxygen ion response to proton bursty bulk flows. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7535-7546	2.6	10
49	Self-consistent evolution of auroral downward-current region ion outflow and moving double layer. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	9
48	Characterizing Average Electron Densities in the Martian Dayside Upper Ionosphere. <i>Journal of Geophysical Research E: Planets</i> , <b>2019</b> , 124, 76-93	4.1	9
47	Correlations between enhanced electron temperatures and electric field wave power in the Martian ionosphere. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 493-501	4.9	8
46	In-Situ Measurements of Electron Temperature and Density in Mars' Dayside Ionosphere. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093623	4.9	8
45	The Relationship Between Photoelectron Boundary and Steep Electron Density Gradient on Mars: MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8015-8022	2.6	7
44	Low Electron Temperatures Observed at Mars by MAVEN on Dayside Crustal Magnetic Field Lines. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7629-7637	2.6	7

43	Tidal Wave-Driven Variability in the Mars Ionosphere-Thermosphere System. <i>Atmosphere</i> , <b>2020</b> , 11, 521	2.7	7
42	Global-Scale Observations of the Limb and Disk (Gold): New Observing Capabilities for the Ionosphere-Thermosphere. <i>Geophysical Monograph Series</i> , <b>2013</b> , 319-326	1.1	7
41	Test particle simulations of the effect of moving DLs on ion outflow in the auroral downward-current region. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		7
40	Kinetic Modeling of Langmuir Probes in Space and Application to the MAVEN Langmuir Probe and Waves Instrument. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028956	2.6	7
39	Ionospheric Electron Densities at Mars: Comparison of Mars Express Ionospheric Sounding and MAVEN Local Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,393-12,405	2.6	6
38	Ion Heating in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,612-10,625	2.6	6
37	Magnetic Reconnection in the Ionosphere of Mars: The Role of Collisions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028036	2.6	6
36	Collisionless Electron Dynamics in the Magnetosheath of Mars. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11679-11688	4.9	6
35	Localized Heating of the Martian Topside Ionosphere Through the Combined Effects of Magnetic Pumping by Large-Scale Magnetosonic Waves and Pitch Angle Diffusion by Whistler Waves. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086408	4.9	5
34	Global-Scale Observations and Modeling of Far-Ultraviolet Airglow During Twilight. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027645	2.6	5
33	Flares at Earth and Mars: An Ionospheric Escape Mechanism?. <i>Space Weather</i> , <b>2018</b> , 16, 1042-1056	3.7	5
32	Pressure Gradients Driving Ion Transport in the Topside Martian Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 6117-6126	2.6	5
31	An assessment of the role of soft electron precipitation in global ion upwelling. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7665-7678	2.6	5
30	Low-frequency oscillatory flow signatures and high-speed flows in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7042-7056	2.6	5
29	Electron Temperature Response to Solar Forcing in the Low-Latitude Martian Ionosphere. <i>Journal of Geophysical Research E: Planets</i> , <b>2019</b> , 124, 3082-3094	4.1	5
28	First Evidence of Persistent Nighttime Temperature Structures in the Neutral Thermosphere of Mars. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8819-8825	4.9	5
27	Investigation of Coatings for Langmuir Probes in an Oxygen-Rich Space Environment. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 6054-6064	2.6	5
26	Investigation of Coatings for Langmuir Probes: Effect of Surface Oxidation on Photoemission Characteristics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2357-2361	2.6	4

25	Subsolar Electron Temperatures in the Lower Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027597	2.6	4
24	Dawn/Dusk Asymmetry of the Martian UltraViolet Terminator Observed Through Suprathermal Electron Depletions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7283-7300	2.6	4
23	The Search for Double Layers in Space Plasmas. <i>Geophysical Monograph Series</i> , <b>2013</b> , 241-250	1.1	4
22	Tidal Effects on the Longitudinal Structures of the Martian Thermosphere and Topside Ionosphere Observed by MAVEN. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 126, e2020JA028562	2.6	4
21	The Statistical Characteristics of Small-Scale Ionospheric Irregularities Observed in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5874-5893	2.6	3
20	MAVEN Case Studies of Plasma Dynamics in Low-Altitude Crustal Magnetic Field at Mars 1: Dayside Ion Spikes Associated With Radial Crustal Magnetic Fields. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1239-1261	2.6	3
19	Vlasov simulations of trapping and loss of auroral electrons. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 279-293	2	3
18	In Situ Measurements of Thermal Ion Temperature in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029531	2.6	3
17	First Detection of Kilometer-Scale Density Irregularities in the Martian Ionosphere. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090906	4.9	3
16	The Penetration of Draped Magnetic Field Into the Martian Upper Ionosphere and Correlations With Upstream Solar Wind Dynamic Pressure. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 3021	2.6	2
15	Spectral Analysis of Accelerated Electron Populations at Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8056-8065	2.6	2
14	Neutral wind effects on ion outflow at Mars. <i>Earth, Planets and Space</i> , <b>2012</b> , 64, 105-112	2.9	2
13	Self-consistent electrostatic simulations of reforming double layers in the downward current region of the aurora. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 1331-1342	2	2
12	On the Altitude Patterns of Photo-Chemical-Equilibrium in the Martian Ionosphere: A Special Role for Electron Temperature. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126,	2.6	2
11	Oscillatory Flows in the Magnetotail Plasma Sheet: Cluster Observations of the Distribution Function. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2736	2.6	1
10	The Influence of Magnetic Field Topology and Orientation on the Distribution of Thermal Electrons in the Martian Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028130	2.6	1
9	Cross-Shock Electrostatic Potentials at Mars Inferred From MAVEN Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA029064	2.6	1
8	The Effects of Different Drivers on the Induced Martian Magnetosphere Boundary: A Case Study of September 2017. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028105	2.6	1

7	On the Solar Wind Proton Temperature Anisotropy at Mars' Orbital Location. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029438	2.6	1
6	Hot Electron Temperature Layer in the Martian Atmosphere		1
5	Morphological Characteristics of Strong Thermal Emission Velocity Enhancement Emissions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028110	2.6	0
4	Observations of Energized Electrons in the Martian Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028984	2.6	0
3	An empirical model of electron temperatures in the Mars ionosphere based on Langmuir probe measurements in the descending phase of solar cycle 24. <i>Icarus</i> , <b>2021</b> , 114721	3.8	0
2	In Situ Electron Density From Active Sounding: The Influence of the Spacecraft Wake. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10250-10256	4.9	
1	Martian nonmigrating atmospheric tides in the thermosphere and ionosphere at solar minimum. <i>Icarus</i> , <b>2021</b> , 114767	3.8	