

# Laila Andersson

## 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.

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	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
131	Martian nonmigrating atmospheric tides in the thermosphere and ionosphere at solar minimum. <i>Icarus</i> , <b>2021</b> , 114767	3.8	
130	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
129	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
128	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
127	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
126	Observations of Energized Electrons in the Martian Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028984	2.6	0
125	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
124	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
123	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
122	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
121	Tidal Wave-Driven Variability in the Mars Ionosphere-Thermosphere System. <i>Atmosphere</i> , <b>2020</b> , 11, 521	2.7	7
120	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
119	Subsolar Electron Temperatures in the Lower Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027597	2.6	4
118	Quiet, Discrete Auroral Arcs Observations. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	19
117	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
116	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

115	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
114	Initial Observations by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027823	2.6	3
113	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
112	Mars' Ionopause: A Matter of Pressures. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028145	2.6	1
111	First Detection of Kilometer-Scale Density Irregularities in the Martian Ionosphere. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090906	4.9	3
110	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
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , <b>2019</b> , 215, 9	7.5	205

97	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
96	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
95	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
94	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
93	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	
92	Collisionless Electron Dynamics in the Magnetosheath of Mars. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11679-11688	4.9	6
91	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
90	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
89	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
88	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
87	Flares at Earth and Mars: An Ionospheric Escape Mechanism?. <i>Space Weather</i> , <b>2018</b> , 16, 1042-1056	3.7	5
86	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
85	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
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	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
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	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
80	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

79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	MAVEN Observations of Ionospheric Irregularities at Mars. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 10,845-10,854	4.9	11
63	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
62	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

61	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
60	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
59	Sources of Ionospheric Variability at Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9670-9684	2.6	33
58	Ion Heating in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,612-10,625	2.6	33
57	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
56	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
55	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
54	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
53	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
52	Vlasov simulations of trapping and loss of auroral electrons. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 279-293	2	3
51	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. <i>Space Science Reviews</i> , <b>2015</b> , 195, 3-48	7.5	405
50	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , <b>2015</b> , 350, aad0210	33.3	131
49	Dust observations at orbital altitudes surrounding Mars. <i>Science</i> , <b>2015</b> , 350, aad0398	33.3	33
48	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , <b>2015</b> , 350, aad0459	33.3	77
47	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
46	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
45	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
44	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

43	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
42	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
41	Magnetic reconnection in the near-Mars magnetotail: MAVEN observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8838-8845	4.9	45
40	The Langmuir Probe and Waves (LPW) Instrument for MAVEN. <i>Space Science Reviews</i> , <b>2015</b> , 195, 173-198	7.5	134
39	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
38	Neutral density response to solar flares at Mars. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8986-8992	4.9	21
37	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
36	Ionospheric plasma density variations observed at Mars by MAVEN/LPW. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8862-8869	4.9	27
35	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
34	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
33	Nonlinear electric field structures in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5693-5701	4.9	64
32	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
31	The Search for Double Layers in Space Plasmas. <i>Geophysical Monograph Series</i> , <b>2013</b> , 241-250	1.1	4
30	Kinetic instabilities in the lunar wake: ARTEMIS observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		21
29	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
28	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
27	Three dimensional density cavities in guide field collisionless magnetic reconnection. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 032119	2.1	18
26	Neutral wind effects on ion outflow at Mars. <i>Earth, Planets and Space</i> , <b>2012</b> , 64, 105-112	2.9	2

25	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
24	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
23	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
22	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
21	Observations of double layers in earth's plasma sheet. <i>Physical Review Letters</i> , <b>2009</b> , 102, 155002	7.4	77
20	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
19	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
18	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
17	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
16	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
15	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
14	Influence of suprathermal background electrons on strong auroral double layers: Observations. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 072901	2.1	16
13	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
12	S bursts and the Jupiter ionospheric Alfvén resonator. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		35
11	Acceleration of antiearthward electron fluxes in the auroral region. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		12
10	Role of plasma waves in Mars' atmospheric loss. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	63
9	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
8	Dynamic coordinates for auroral ion outflow. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		31



7	Auroral particle acceleration by strong double layers: The upward current region. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		91
6	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
5	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
4	Electron signatures and Alfvén waves. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 15-1		39
3	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
2	Direct observation of localized parallel electric fields in a space plasma. <i>Physical Review Letters</i> , <b>2001</b> , 87, 045003	7.4	138
1	Hot Electron Temperature Layer in the Martian Atmosphere		1