

# Laila Andersson

## List of Publications by Year in descending order

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Version: 2024-02-01

136  
papers

5,308  
citations

87888

38  
h-index

95266

68  
g-index

155  
all docs

155  
docs citations

155  
times ranked

2679  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2023, 393, 114721.	2.5	1
2	Martian nonmigrating atmospheric tides in the thermosphere and ionosphere at solar minimum. <i>Icarus</i> , 2023, 393, 114767.	2.5	2
3	Small Scale Magnetic Structure in the Induced Martian Ionosphere and Lower Magnetic Pile-Up Region. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	5
4	Electron Densities in the Ionosphere of Mars: Comparison of MAVEN/ROSE and MAVEN/LPW Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	2
5	Micro-Scale Plasma Instabilities in the Interaction Region of the Solar Wind and the Martian Upper Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	2
6	Bipolar Electric Field Pulses in the Martian Magnetosheath and Solar Wind; Their Implication and Impact Accessed by System Scale Size. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	0
7	Tidal Effects on the Longitudinal Structures of the Martian Thermosphere and Topside Ionosphere Observed by MAVEN. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028562.	2.4	12
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> , 2021, 126, e2020JA028105.	2.4	5
9	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> , 2021, 126, e2020JA028130.	2.4	3
10	Cross-Shock Electrostatic Potentials at Mars Inferred From MAVEN Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029064.	2.4	6
11	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> , 2021, 126, e2020JA028956.	2.4	14
12	Observations of Energized Electrons in the Martian Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028984.	2.4	6
13	In-Situ Measurements of Electron Temperature and Density in Mars' Dayside Ionosphere. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093623.	4.0	17
14	On the Solar Wind Proton Temperature Anisotropy at Mars' Orbital Location. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029438.	2.4	4
15	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> , 2021, 126, .	2.4	3
16	In Situ Measurements of Thermal Ion Temperature in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029531.	2.4	17
17	Magnetic Reconnection in the Ionosphere of Mars: The Role of Collisions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028036.	2.4	14
18	Mars' Ionopause: A Matter of Pressures. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028145.	2.4	35

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19	First Detection of Kilometer-Scale Density Irregularities in the Martian Ionosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090906.	4.0	7
20	Tidal Wave-Driven Variability in the Mars Ionosphere-Thermosphere System. <i>Atmosphere</i> , 2020, 11, 521.	2.3	14
21	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> , 2020, 47, e2019GL086408.	4.0	17
22	Subsolar Electron Temperatures in the Lower Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027597.	2.4	6
23	Quiet, Discrete Auroral Arcs' Observations. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	31
24	Inverted-E Electron Acceleration Events Concurring With Localized Auroral Observations at Mars by MAVEN. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087414.	4.0	26
25	Global-Scale Observations and Modeling of Far-Ultraviolet Airglow During Twilight. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027645.	2.4	16
26	Initial Observations by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027823.	2.4	80
27	Morphological Characteristics of Strong Thermal Emission Velocity Enhancement Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028110.	2.4	3
28	Modeling Wind-Driven Ionospheric Dynamo Currents at Mars: Expectations for InSight Magnetic Field Measurements. <i>Geophysical Research Letters</i> , 2019, 46, 5083-5091.	4.0	20
29	Pressure Gradients Driving Ion Transport in the Topside Martian Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6117-6126.	2.4	9
30	Dawn/Dusk Asymmetry of the Martian UltraViolet Terminator Observed Through Suprathermal Electron Depletions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7283-7300.	2.4	6
31	Spectral Analysis of Accelerated Electron Populations at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8056-8065.	2.4	9
32	In Situ Electron Density From Active Sounding: The Influence of the Spacecraft Wake. <i>Geophysical Research Letters</i> , 2019, 46, 10250-10256.	4.0	0
33	The Relationship Between Photoelectron Boundary and Steep Electron Density Gradient on Mars: MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8015-8022.	2.4	10
34	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> , 2019, 124, 8564-8589.	2.4	39
35	Low Electron Temperatures Observed at Mars by MAVEN on Dayside Crustal Magnetic Field Lines. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7629-7637.	2.4	8
36	The Statistical Characteristics of Small-Scale Ionospheric Irregularities Observed in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5874-5893.	2.4	8

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37	Ambipolar Electric Field in the Martian Ionosphere: MAVEN Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4518-4524.	2.4	18
38	Mars's Dayside Upper Ionospheric Composition Is Affected by Magnetic Field Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3100-3109.	2.4	26
39	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> , 2019, 46, 1168-1176.	4.0	21
40	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> , 2019, 124, 3021-3035.	2.4	8
41	Investigation of Coatings for Langmuir Probes: Effect of Surface Oxidation on Photoemission Characteristics. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2357-2361.	2.4	6
42	Oscillatory Flows in the Magnetotail Plasma Sheet: Cluster Observations of the Distribution Function. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2736-2754.	2.4	1
43	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> , 2019, 124, 1239-1261.	2.4	6
44	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.	8.1	332
45	Collisionless Electron Dynamics in the Magnetosheath of Mars. <i>Geophysical Research Letters</i> , 2019, 46, 11679-11688.	4.0	10
46	Electron Temperature Response to Solar Forcing in the Low-Latitude Martian Ionosphere. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3082-3094.	3.6	8
47	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , 2019, 46, 12665-12674.	4.0	35
48	Characterizing Average Electron Densities in the Martian Dayside Upper Ionosphere. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 76-93.	3.6	13
49	Correlations between enhanced electron temperatures and electric field wave power in the Martian ionosphere. <i>Geophysical Research Letters</i> , 2018, 45, 493-501.	4.0	9
50	First Evidence of Persistent Nighttime Temperature Structures in the Neutral Thermosphere of Mars. <i>Geophysical Research Letters</i> , 2018, 45, 8819-8825.	4.0	7
51	Electron Phase-Space Holes in Three Dimensions: Multispacecraft Observations by Magnetospheric Multiscale. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9963-9978.	2.4	31
52	Using Magnetic Topology to Probe the Sources of Mars' Nightside Ionosphere. <i>Geophysical Research Letters</i> , 2018, 45, 12,190.	4.0	36
53	MMS Observations of Electrostatic Waves in an Oblique Shock Crossing. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9430-9442.	2.4	58
54	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> , 2018, 123, 2248-2269.	3.6	26

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55	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. <i>Icarus</i> , 2018, 315, 146-157.	2.5	216
56	MAVEN Observations of Solar Wind-Driven Magnetosonic Waves Heating the Martian Dayside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4129-4149.	2.4	40
57	Investigation of Coatings for Langmuir Probes in an Oxygen-Rich Space Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6054-6064.	2.4	10
58	Flares at Earth and Mars: An Ionospheric Escape Mechanism?. <i>Space Weather</i> , 2018, 16, 1042-1056.	3.7	10
59	Martian Electron Temperatures in the Subsolar Region: MAVEN Observations Compared to a One-Dimensional Model. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5960-5973.	2.4	21
60	Observations and Modeling of the Mars Low-Altitude Ionospheric Response to the 10 September 2017 X-class Solar Flare. <i>Geophysical Research Letters</i> , 2018, 45, 7382-7390.	4.0	30
61	The Mars Topside Ionosphere Response to the X8.2 Solar Flare of 10 September 2017. <i>Geophysical Research Letters</i> , 2018, 45, 8005-8013.	4.0	38
62	MAVEN and the total electron content of the Martian ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3526-3537.	2.4	12
63	Photochemical escape of oxygen from Mars: First results from MAVEN in situ data. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3815-3836.	2.4	106
64	Seasonal variability of Martian ion escape through the plume and tail from MAVEN observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4009-4022.	2.4	66
65	Survey of magnetic reconnection signatures in the Martian magnetotail with MAVEN. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5114-5131.	2.4	40
66	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> , 2017, 122, 828-842.	2.4	21
67	MAVEN observations of dayside peak electron densities in the ionosphere of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 891-906.	2.4	33
68	The Martian Photoelectron Boundary as Seen by MAVEN. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,472.	2.4	28
69	Electric and magnetic variations in the near-Mars environment. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8536-8559.	2.4	30
70	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. <i>Space Science Reviews</i> , 2017, 212, 383-408.	8.1	105
71	Ionospheric Electron Densities at Mars: Comparison of Mars Express Ionospheric Sounding and MAVEN Local Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,393.	2.4	6
72	MAVEN Observations of the Effects of Crustal Magnetic Fields on Electron Density and Temperature in the Martian Dayside Ionosphere. <i>Geophysical Research Letters</i> , 2017, 44, 10812-10821.	4.0	42

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73	MAVEN Observations of Ionospheric Irregularities at Mars. <i>Geophysical Research Letters</i> , 2017, 44, 10,845.	4.0	16
74	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> , 2017, 122, 857-873.	2.4	28
75	Low-frequency oscillatory flow signatures and high-speed flows in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7042-7056.	2.4	8
76	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> , 2017, 122, 1714-1730.	2.4	40
77	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> , 2017, 122, 2260-2271.	2.4	16
78	Sources of Ionospheric Variability at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9670-9684.	2.4	40
79	Ion Heating in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,612.	2.4	8
80	MAVEN observations of electron-induced whistler mode waves in the Martian magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9717-9731.	2.4	27
81	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8859-8870.	2.4	33
82	Oxygen ion response to proton bursty bulk flows. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7535-7546.	2.4	11
83	Electron energetics in the Martian dayside ionosphere: Model comparisons with MAVEN data. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7049-7066.	2.4	38
84	Enhanced $O^{2+}$ loss at Mars due to an ambipolar electric field from electron heating. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4668-4678.	2.4	48
85	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. <i>Space Science Reviews</i> , 2015, 195, 357-422.	8.1	99
86	The first in situ electron temperature and density measurements of the Martian nightside ionosphere. <i>Geophysical Research Letters</i> , 2015, 42, 8854-8861.	4.0	62
87	Hypervelocity dust impacts on the Wind spacecraft: Correlations between Ulysses and Wind interstellar dust detections. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7121-7129.	2.4	18
88	Large-amplitude electric fields associated with bursty bulk flow braking in the Earth's plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1832-1844.	2.4	94
89	Dayside electron temperature and density profiles at Mars: First results from the MAVEN Langmuir probe and waves instrument. <i>Geophysical Research Letters</i> , 2015, 42, 8846-8853.	4.0	116
90	Altitude dependence of nightside Martian suprathermal electron depletions as revealed by MAVEN observations. <i>Geophysical Research Letters</i> , 2015, 42, 8877-8884.	4.0	41

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91	Magnetic reconnection in the near-Mars magnetotail: MAVEN observations. <i>Geophysical Research Letters</i> , 2015, 42, 8838-8845.	4.0	59
92	The Langmuir Probe and Waves (LPW) Instrument for MAVEN. <i>Space Science Reviews</i> , 2015, 195, 173-198.	8.1	183
93	Electric Mars: The first direct measurement of an upper limit for the Martian "polar wind" electric potential. <i>Geophysical Research Letters</i> , 2015, 42, 9128-9134.	4.0	38
94	Neutral density response to solar flares at Mars. <i>Geophysical Research Letters</i> , 2015, 42, 8986-8992.	4.0	33
95	Vlasov simulations of trapping and loss of auroral electrons. <i>Annales Geophysicae</i> , 2015, 33, 279-293.	1.6	4
96	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. <i>Space Science Reviews</i> , 2015, 195, 3-48.	8.1	563
97	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	12.6	166
98	Dust observations at orbital altitudes surrounding Mars. <i>Science</i> , 2015, 350, aad0398.	12.6	41
99	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	12.6	90
100	Ionospheric plasma density variations observed at Mars by MAVEN/LPW. <i>Geophysical Research Letters</i> , 2015, 42, 8862-8869.	4.0	32
101	Self-consistent electrostatic simulations of reforming double layers in the downward current region of the aurora. <i>Annales Geophysicae</i> , 2015, 33, 1331-1342.	1.6	3
102	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> , 2014, 119, 6256-6272.	2.4	29
103	Nonlinear electric field structures in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2014, 41, 5693-5701.	4.0	76
104	An assessment of the role of soft electron precipitation in global ion upwelling. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7665-7678.	2.4	6
105	The Search for Double Layers in Space Plasmas. <i>Geophysical Monograph Series</i> , 2013, , 241-250.	0.1	4
106	Three dimensional density cavities in guide field collisionless magnetic reconnection. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	19
107	Neutral wind effects on ion outflow at Mars. <i>Earth, Planets and Space</i> , 2012, 64, 105-112.	2.5	2
108	Kinetic instabilities in the lunar wake: ARTEMIS observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27

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109	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> , 2012, 117, .	3.3	12
110	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> , 2012, 117, .	3.3	12
111	A model of electromagnetic electron phase-space holes and its application. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	32
112	Kinetic simulations of magnetic reconnection in presence of a background O <sup>+</sup> population. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	38
113	The Combined Atmospheric Photochemistry and Ion Tracing code: Reproducing the Viking Lander results and initial outflow results. <i>Icarus</i> , 2010, 206, 120-129.	2.5	26
114	Vertical thermal O <sup>+</sup> flows at 850 km in dynamic auroral boundary coordinates. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
115	Observations of Double Layers in Earth's Plasma Sheet. <i>Physical Review Letters</i> , 2009, 102, 155002.	7.8	88
116	New Features of Electron Phase Space Holes Observed by the THEMIS Mission. <i>Physical Review Letters</i> , 2009, 102, 225004.	7.8	86
117	Geomagnetic activity dependence of O <sup>+</sup> in transit from the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1623-1629.	1.6	23
118	Self-consistent evolution of auroral downward-current region ion outflow and moving double layer. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	10
119	Test particle simulations of the effect of moving DLs on ion outflow in the auroral downward-current region. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	7
120	Solar-minimum quiet time ion energization and outflow in dynamic boundary related coordinates. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	49
121	Influence of suprathermal background electrons on strong auroral double layers: Vlasov-simulation parameter study. <i>Physics of Plasmas</i> , 2008, 15, 072902.	1.9	15
122	Influence of suprathermal background electrons on strong auroral double layers: Observations. <i>Physics of Plasmas</i> , 2008, 15, 072901.	1.9	16
123	Influence of suprathermal background electrons on strong auroral double layers: Laminar and turbulent regimes. <i>Physics of Plasmas</i> , 2008, 15, 072903.	1.9	15
124	Sbursts and the Jupiter ionospheric Alfvén resonator. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	40
125	Acceleration of antiearthward electron fluxes in the auroral region. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	14
126	Role of plasma waves in Mars' atmospheric loss. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	71

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127	Estimates of the suprathermal O <sup>+</sup> outflow characteristic energy and relative location in the auroral oval. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	31
128	Dynamic coordinates for auroral ion outflow. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	32
129	Auroral particle acceleration by strong double layers: The upward current region. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	104
130	Double layers in the downward current region of the aurora. <i>Nonlinear Processes in Geophysics</i> , 2003, 10, 45-52.	1.3	38
131	Characteristics of parallel electric fields in the downward current region of the aurora. <i>Physics of Plasmas</i> , 2002, 9, 3600-3609.	1.9	113
132	Electron signatures and Alfvén waves. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 15-1.	3.3	41
133	Parallel electric fields in the upward current region of the aurora: Indirect and direct observations. <i>Physics of Plasmas</i> , 2002, 9, 3685-3694.	1.9	114
134	Direct Observation of Localized Parallel Electric Fields in a Space Plasma. <i>Physical Review Letters</i> , 2001, 87, 045003.	7.8	151
135	Global-Scale Observations of the Limb and Disk (Gold): New Observing Capabilities for the Ionosphere-Thermosphere. <i>Geophysical Monograph Series</i> , 0, , 319-326.	0.1	8
136	Plasma Imaging, Local Measurement, and Tomographic Experiment (PILOT): A Mission Concept for Transformational Multi-Scale Observations of Mass and Energy Flow Dynamics in Earth's Magnetosphere. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	2.8	4