

Kan Liou

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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.

165
papers

4,850
citations

39
h-index

64
g-index

168
ext. papers

5,228
ext. citations

3.2
avg, IF

5.14
L-index

#	Paper	IF	Citations
165	A nearly universal solar wind-magnetosphere coupling function inferred from 10 magnetospheric state variables. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		394
164	Earthward flow bursts, auroral streamers, and small expansions. <i>Journal of Geophysical Research</i> , 2001 , 106, 10791-10802		226
163	Estimation of global field aligned currents using the iridium [®] System magnetometer data. <i>Geophysical Research Letters</i> , 2001 , 28, 2165-2168	4.9	147
162	Comprehensive study of the magnetospheric response to a hot flow anomaly. <i>Journal of Geophysical Research</i> , 1999 , 104, 4577-4593		146
161	Multiple-spacecraft observation of a narrow transient plasma jet in the Earth's plasma sheet. <i>Geophysical Research Letters</i> , 2000 , 27, 851-854	4.9	145
160	Development of auroral streamers in association with localized impulsive injections to the inner magnetotail. <i>Geophysical Research Letters</i> , 1999 , 26, 417-420	4.9	129
159	Flow bursts and auroral activations: Onset timing and foot point location. <i>Journal of Geophysical Research</i> , 2001 , 106, 10777-10789		112
158	Synoptic auroral distribution: A survey using Polar ultraviolet imagery. <i>Journal of Geophysical Research</i> , 1997 , 102, 27197-27205		107
157	Observation of IMF and seasonal effects in the location of auroral substorm onset. <i>Journal of Geophysical Research</i> , 2001 , 106, 5799-5810		103
156	Is the dynamic magnetosphere an avalanching system?. <i>Geophysical Research Letters</i> , 2000 , 27, 911-914	4.9	102
155	Seasonal effects on auroral particle acceleration and precipitation. <i>Journal of Geophysical Research</i> , 2001 , 106, 5531-5542		102
154	A state-of-the-art picture of substorm-associated evolution of the near-Earth magnetotail obtained from superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		96
153	Characteristics of the solar wind controlled auroral emissions. <i>Journal of Geophysical Research</i> , 1998 , 103, 17543-17557		96
152	Ballooning mode waves prior to substorm-associated dipolarizations: Geotail observations. <i>Geophysical Research Letters</i> , 2008 , 35, n/a-n/a	4.9	89
151	Pairs of solar wind-magnetosphere coupling functions: Combining a merging term with a viscous term works best. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		80
150	Auroral streamers: characteristics of associated precipitation, convection and field-aligned currents. <i>Annales Geophysicae</i> , 2004 , 22, 537-548	2	80
149	Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery. <i>Journal of Geophysical Research</i> , 2000 , 105, 2495-2505		79

148	Annual TEC variation in the equatorial anomaly region during the solar minimum: September 1996–August 1997. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 199-207	2	75
147	Magnetic dipolarization with substorm expansion onset. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 23-1		71
146	Plasmoid ejection and auroral brightenings. <i>Journal of Geophysical Research</i> , 2001 , 106, 3845-3857		69
145	On relative timing in substorm onset signatures. <i>Journal of Geophysical Research</i> , 1999 , 104, 22807-22817		64
144	OVATION Prime-2013: Extension of auroral precipitation model to higher disturbance levels. <i>Space Weather</i> , 2014 , 12, 368-379	3.7	59
143	Investigation of external triggering of substorms with Polar ultraviolet imager observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		53
142	The first super geomagnetic storm of solar cycle 24: “The St. Patrick” day event (17 March 2015) <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	51
141	Statistical visualization of the Earth’s magnetotail based on Geotail data and the implied substorm model. <i>Annales Geophysicae</i> , 2009 , 27, 1035-1046	2	50
140	Polar cap particle precipitation and aurora: Review and commentary. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 199-215	2	50
139	Three-dimensional global simulation of interplanetary coronal mass ejection propagation from the Sun to the heliosphere: Solar event of 12 May 1997. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		50
138	Substorm cycle dependence of various types of aurora. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		49
137	Auroral polar cap boundary ion conic outflow observed on FAST. <i>Journal of Geophysical Research</i> , 2001 , 106, 3603-3614		49
136	Solar wind driving and substorm triggering. <i>Journal of Geophysical Research</i> , 2011 , 116,		46
135	OVATION: Oval variation, assessment, tracking, intensity, and online nowcasting. <i>Annales Geophysicae</i> , 2002 , 20, 1039-1047	2	46
134	Substorm and convection bay compared: Auroral and magnetotail dynamics during convection bay. <i>Journal of Geophysical Research</i> , 2001 , 106, 18843-18855		46
133	Variation of ionospheric total electron content in Taiwan region of the equatorial anomaly from 1994 to 2003. <i>Advances in Space Research</i> , 2008 , 41, 611-616	2.4	44
132	Near-Earth dipolarization: Evidence for a non-MHD process. <i>Geophysical Research Letters</i> , 1999 , 26, 2905-2908	1.9	44
131	Influence of interplanetary magnetic field on global auroral patterns. <i>Journal of Geophysical Research</i> , 2001 , 106, 5913-5926		42

130	Plasma and magnetic flux transport associated with auroral breakups. <i>Geophysical Research Letters</i> , 1998 , 25, 4059-4062	4.9	42
129	The quantitative relationship between auroral brightness and solar EUV Pedersen conductance. <i>Journal of Geophysical Research</i> , 2001 , 106, 5883-5894		40
128	Bursty bulk flow intrusion to the inner plasma sheet as inferred from auroral observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		39
127	Global Positioning System phase fluctuations and ultraviolet images from the Polar satellite. <i>Journal of Geophysical Research</i> , 2000 , 105, 5201-5213		39
126	Polar Ultraviolet Imager observation of auroral breakup. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		38
125	Auroral precipitation power during substorms: A Polar UV Imager-based superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2001 , 106, 28885-28896		38
124	Cusp latitude and the optimal solar wind coupling function. <i>Journal of Geophysical Research</i> , 2006 , 111,		37
123	Polar Ultraviolet Imager observations of global auroral power as a function of polar cap size and magnetotail stretching. <i>Journal of Geophysical Research</i> , 2001 , 106, 5895-5905		36
122	Midday sub-auroral patches (MSPs) associated with interplanetary shocks. <i>Geophysical Research Letters</i> , 2002 , 29, 18-1-18-4	4.9	32
121	Global three-dimensional simulation of the interplanetary evolution of the observed geoeffective coronal mass ejection during the epoch 18 August 2010. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		31
120	On the azimuthal location of auroral breakup: Hemispheric asymmetry. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	31
119	Three-dimensional global simulation of multiple ICMEs interaction and propagation from the Sun to the heliosphere following the 25-28 October 2003 solar events. <i>Advances in Space Research</i> , 2007 , 40, 1827-1834	2.4	31
118	Auroral kilometric radiation at substorm onset. <i>Journal of Geophysical Research</i> , 2000 , 105, 25325-25331		31
117	Source region of 1500 MLT auroral bright spots: Simultaneous Polar UV-images and DMSP particle data. <i>Journal of Geophysical Research</i> , 1999 , 104, 24587-24602		30
116	Observation of electromagnetic oxygen cyclotron waves in a flickering aurora. <i>Geophysical Research Letters</i> , 1995 , 22, 2465-2468	4.9	30
115	Substorm timings and timescales: A new aspect. <i>Space Science Reviews</i> , 2004 , 113, 41-75	7.5	29
114	Correlation of auroral power with the polar cap index. <i>Journal of Geophysical Research</i> , 2003 , 108,		28
113	Evolution of the magnetotail associated with substorm auroral breakups. <i>Journal of Geophysical Research</i> , 2003 , 108,		28

112	Difference in magnetotail variations between intense and weak substorms. <i>Journal of Geophysical Research</i> , 2004 , 109,		28
111	Neutral composition effects on ionospheric storms at middle and low latitudes. <i>Journal of Geophysical Research</i> , 2005 , 110,		27
110	Particle injections with auroral expansions. <i>Journal of Geophysical Research</i> , 2001 , 106, 5873-5881		27
109	Predictive ability of four auroral precipitation models as evaluated using Polar UVI global images. <i>Space Weather</i> , 2010 , 8, n/a-n/a	3.7	26
108	Substorm probabilities are best predicted from solar wind speed. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 146, 28-37	2	26
107	Longitudinal association between magnetotail reconnection and auroral breakup based on Geotail and Polar observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		24
106	Compression aurora Particle precipitation driven by long-duration high solar wind ram pressure. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		24
105	Global simulation of extremely fast coronal mass ejection on 23 July 2012. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014 , 121, 32-41	2	22
104	OVATION-SM: A model of auroral precipitation based on SuperMAG generalized auroral electrojet and substorm onset times. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3747-3759	2.6	22
103	Blob analysis of auroral substorm dynamics. <i>Journal of Geophysical Research</i> , 2000 , 105, 16083-16091		22
102	Two-step evolution of auroral acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		21
101	Precipitation and total power consumption in the ionosphere: Global MHD simulation results compared with Polar and SNOE observations. <i>Annales Geophysicae</i> , 2006 , 24, 861-872	2	21
100	Propagation characteristics of Pi 2 magnetic pulsations observed at ground high latitudes. <i>Journal of Geophysical Research</i> , 2004 , 109,		21
99	On the relationship between shock-induced polar magnetic bays and solar wind parameters. <i>Journal of Geophysical Research</i> , 2004 , 109,		20
98	TIMED/GUVI observation of solar illumination effect on auroral energy deposition. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		18
97	Source of Pc4 pulsations observed on the nightside. <i>Journal of Geophysical Research</i> , 2005 , 110,		18
96	Longitudinal dependence of characteristics of low-latitude Pi2 pulsations observed at Kakioka and Hermanus. <i>Earth, Planets and Space</i> , 2006 , 58, 775-783	2.9	18
95	Interplanetary magnetic field Bx asymmetry effect on auroral brightness. <i>Journal of Geophysical Research</i> , 2002 , 107, SIA 16-1-SIA 16-10		18

94	Global magnetohydrodynamic simulation of the 15 March 2013 coronal mass ejection event Interpretation of the 3080 MeV proton flux. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 56-76	2.6	17
93	Global auroral response to negative pressure impulses. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	17
92	Longitudinal structure of low-latitude Pi2 pulsations and its dependence on aurora. <i>Journal of Geophysical Research</i> , 2004 , 109,		17
91	Dynamics of double-theta aurora: Polar UVI study of January 10-11, 1997. <i>Journal of Geophysical Research</i> , 1999 , 104, 95-104		17
90	Prompt ionization in the CRIT II barium releases. <i>Geophysical Research Letters</i> , 1992 , 19, 973-976	4.9	17
89	A statistical study of energy release and transport midway between the magnetic reconnection and initial dipolarization regions in the near-Earth magnetotail associated with substorm expansion onsets. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
88	Statistical comparison of isolated and non-isolated auroral substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2466-2477	2.6	16
87	Propagation characteristics of Pi 2 pulsations observed at high- and low-latitude MAGDAS/CPMN stations: A statistical study. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		16
86	Relationship between magnetotail variations and auroral activities during substorms. <i>Journal of Geophysical Research</i> , 2003 , 108, SMP 13-1		16
85	Global auroral power as an index for geospace disturbances. <i>Geophysical Research Letters</i> , 2002 , 29, 41-44.9		16
84	Numerical simulation of multiple CME-driven shocks in the month of 2011 September. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1839-1856	2.6	15
83	The effect of geomagnetic storm on ionospheric total electron content at the equatorial anomaly region. <i>Advances in Space Research</i> , 1999 , 24, 1491-1494	2.4	15
82	Pressure changes associated with substorm depolarization in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
81	Saw-tooth substorms: Inconsistency of repetitive bay-like magnetic disturbances with behavior of aurora. <i>Advances in Space Research</i> , 2011 , 47, 702-709	2.4	13
80	Large, abrupt pressure decreases as a substorm onset trigger. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	13
79	Substorm associated changes in the high-latitude ionospheric convection. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	13
78	Aurora conjugacy during substorms: Coordinated Antarctic ground and Polar Ultraviolet observations. <i>Journal of Geophysical Research</i> , 2001 , 106, 24579-24591		13
77	Polar UVI observations of dayside auroral transient events. <i>Journal of Geophysical Research</i> , 2001 , 106, 28897-28911		13

76	Plasma sheet changes caused by sudden enhancements of the solar wind pressure. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		12
75	Solar wind density and velocity control of auroral brightness under normal interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 9-1-SMP 9-6		12
74	Dayside auroral activity as a possible precursor of substorm onsets: A survey using Polar ultraviolet imagery. <i>Journal of Geophysical Research</i> , 1997 , 102, 19835-19843		11
73	Observations of ionospheric plasma flows within theta auroras. <i>Journal of Geophysical Research</i> , 2005 , 110,		11
72	Plasmoids observed in the near-Earth magnetotail at $X \sim 10$ RE. <i>Journal of Geophysical Research</i> , 2005 , 110,		11
71	Identification of substorms within storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 125-132	2	11
70	Two-component auroras. <i>Geophysical Research Letters</i> , 2002 , 29, 17-1-17-4	4.9	11
69	Substorm Occurrence and Intensity Associated With Three Types of Solar Wind Structure. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 485-496	2.6	10
68	Successive substorm expansions during a period of prolonged northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		9
67	Polar Ultraviolet Imager observations of solar wind-driven ULF auroral pulsations. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	9
66	On the interplanetary magnetic field By control of substorm bulge expansion. <i>Journal of Geophysical Research</i> , 2006 , 111,		9
65	A Fresh Look at Substorm Onset Identifiers. <i>Astrophysics and Space Science Library</i> , 1998 , 249-252	0.3	9
64	AKR modulation and global Pi2 oscillation. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		8
63	Stepwise feature of aurora during substorm expansion compared with the near-Earth tail dipolarization: Possible types of substorm dynamics. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		8
62	Global Auroral Response to Interplanetary Media with Emphasis on Solar Wind Dynamic Pressure Enhancements. <i>Geophysical Monograph Series</i> , 2006 , 197-212	1.1	8
61	Correlative study of ultraviolet aurora and low-latitude Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 2-1-SMP 2-14		8
60	On Ba+ production in the CRIT II Experiment. <i>Journal of Geophysical Research</i> , 1995 , 100, 5811		8
59	The 04 10 September 2017 SunEarth Connection Events: Solar Flares, Coronal Mass Ejections/Magnetic Clouds, and Geomagnetic Storms. <i>Solar Physics</i> , 2019 , 294, 1	2.6	7

58	Narrow Plasma Streams as a Candidate to Populate the Inner Magnetosphere. <i>Geophysical Monograph Series</i> , 2013 , 55-60	1.1	7
57	Observation of an Extremely Large-Density Heliospheric Plasma Sheet Compressed by an Interplanetary Shock at 1 AU. <i>Solar Physics</i> , 2017 , 292, 1	2.6	7
56	Global and local equatorward expansion of the ion auroral oval before substorm onsets. <i>Journal of Geophysical Research</i> , 2005 , 110,		7
55	Quiet time magnetotail plasma flow: Coordinated Polar ultraviolet images and Geotail observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		7
54	Quantitative relationships between plasma sheet fast flows and nightside auroral power. <i>Journal of Geophysical Research</i> , 2003 , 108,		7
53	Energetics of a substorm on 15 August, 2001: Comparing empirical methods and a global MHD simulation. <i>Advances in Space Research</i> , 2005 , 36, 1825-1829	2.4	7
52	Comment on Wavelet-based ULF wave diagnosis of substorm expansion phase onset by K. Murphy et al.. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		6
51	A case study of relationship between substorm expansion and global plasma convection. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	6
50	Statistical patterns in X-ray and UV auroral emissions and energetic electron precipitation. <i>Journal of Geophysical Research</i> , 2001 , 106, 5907-5911		6
49	Hemispheric asymmetry of the dayside aurora due to imbalanced solar insolation. <i>Scientific Reports</i> , 2020 , 10, 13451	4.9	6
48	North-South Asymmetry in the Geographic Location of Auroral Substorms correlated with Ionospheric Effects. <i>Scientific Reports</i> , 2018 , 8, 17230	4.9	6
47	Control of the East-West Component of the Interplanetary Magnetic Field on the Occurrence of Magnetic Substorms. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087406	4.9	5
46	Response of northern winter polar cap to auroral substorms. <i>Geophysical Research Letters</i> , 2016 , 43, 4098-4105	4.9	5
45	Observations of field line resonance with global auroral images. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 105-106, 152-159	2	5
44	Statistical study of polar negative magnetic bays driven by interplanetary fast-mode shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7463-7472	2.6	5
43	Ionospheric Response to Solar Wind Pressure Pulses Under Northward IMF Conditions. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013 , 24, 183	1.8	5
42	Relatively low-latitude wave aurora and substorms. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	5
41	Meso-scale aurora within the expansion phase bulge. <i>Annales Geophysicae</i> , 2006 , 24, 2209-2218	2	5

40	A new technique for short-term forecast of auroral activity. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	5
39	Substorm onset location and the equatorward boundary of the proton auroral oval. <i>Geophysical Research Letters</i> , 2002 , 29, 12-1-12-4	4.9	5
38	Plasma sheet fast flows and auroral dynamics during substorm: a case study. <i>Annales Geophysicae</i> , 2002 , 20, 341-347	2	5
37	Reply [to Comment on Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery] by K. Liou, et al. <i>Journal of Geophysical Research</i> , 2001 , 106, 18923-18926		5
36	Hemispheric Asymmetry of the Premidnight Aurora Associated With the Dawn-Dusk Component of the Interplanetary Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1625-1634	2.6	4
35	Modeling inner boundary values at 18 solar radii during solar quiet time for global three-dimensional time-dependent magnetohydrodynamic numerical simulation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020 , 201, 105211	2	4
34	Study of a global auroral Pc5 pulsation event with concurrent ULF waves. <i>Geophysical Research Letters</i> , 2014 , 41, 6547-6555	4.9	4
33	Investigation of Solar/Heliospheric Anomalies Associated with the Solar Minimum of 2007 - 2008. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013 , 24, 243	1.8	4
32	Multisatellite low-altitude observations of a magnetopause merging burst. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		4
31	Timing and location of phenomena during auroral breakup: A case study. <i>Advances in Space Research</i> , 2002 , 30, 1775-1778	2.4	4
30	A comparison between the geoeffectiveness of north-south and south-north magnetic clouds and an associated prediction. <i>Space Weather</i> , 2017 , 15, 517-525	3.7	3
29	Assessment of the auroral electrojet index performance under various geomagnetic conditions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 92, 31-36	2	3
28	Testing the expanding-contracting polar cap paradigm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7077-7086	2.6	3
27	Heliospheric three-dimensional global simulation of multiple interacting coronal mass ejections during the Halloween 2003 epoch 2012 ,		3
26	Correction to A case study of relationship between substorm expansion and global plasma convection <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	3
25	The distribution of auroral power increases and decreases. <i>Geophysical Research Letters</i> , 2002 , 29, 62-1-62-4	4.9	3
24	Conjunction of tail satellites for substorm study: ISTP event of 1997 January 2. <i>Geophysical Research Letters</i> , 2000 , 27, 1831-1834	4.9	3
23	Ionospheric signature of a magnetic flux rope in the magnetotail. <i>Geophysical Research Letters</i> , 1998 , 25, 3733-3736	4.9	3

22	Momentum coupling in the CRIT II critical ionization velocity experiment. <i>Journal of Geophysical Research</i> , 1996 , 101, 19649-19657		3
21	A Possible Cause of the Diminished Solar Wind During the Solar Cycle 23-24 Minimum. <i>Solar Physics</i> , 2016 , 291, 3777-3792	2.6	3
20	Auroral Precipitation Models and Space Weather. <i>Geophysical Monograph Series</i> , 2015 , 275-290	1.1	2
19	Magnetohydrodynamic Fast Shocks and Their Relation to Solar Energetic Particle Event Intensities. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013 , 24, 165	1.8	2
18	Evolution of a magnetohydrodynamic coronal shock 2012 ,		2
17	Ionospheric characteristics of the dusk-side branch of the two-cell aurora. <i>Annales Geophysicae</i> , 2006 , 24, 203-214	2	2
16	Westward traveling surge dynamics and the local structure of an isolated substorm. <i>Advances in Space Research</i> , 2001 , 28, 1623-1629	2.4	2
15	Heliospheric plasma sheet inflation as a cause of solar wind anomaly during the solar cycle 23-24 minimum 2016 ,		2
14	Large-density (>50 cm ⁻³) heliospheric plasma sheets recorded by the Wind spacecraft between 1995 and 2017. <i>Journal of Physics: Conference Series</i> , 2020 , 1620, 012011	0.3	1
13	Dawn-Dusk Auroral Oval Oscillations Associated With High-Speed Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 600-610	2.6	1
12	Solar Cycle Variation of the Heliospheric Plasma Sheet Thickness. <i>Solar Physics</i> , 2019 , 294, 1	2.6	1
11	Oscillations of the equatorward boundary of the ion auroral oval radar observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		1
10	Asymmetric sunlight effect on dayside/nightside auroral precipitation. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2001 , 26, 43-47		1
9	Effects of the interplanetary magnetic field y component on the dayside aurora. <i>Geoscience Letters</i> , 2019 , 6,	3.5	1
8	The Solar Wind Speed Expansion Factor $\left(\frac{v}{v_1}\right)$ Relationship at the Inner Boundary (18 (text{R}_{\odot})) of the Heliosphere. <i>Solar Physics</i> , 2020 , 295, 1	2.6	0
7	Dawn-Dusk Asymmetry in Energetic (>20 keV) Particles Adjacent to Saturn's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028264	2.6	0
6	An Electric-field-driven Global Coronal Magnetohydrodynamics Simulation Model Using Helioseismic and Magnetic Imager Vector-magnetic-field Synoptic Map Data. <i>Astrophysical Journal</i> , 2022 , 930, 60	4.7	0
5	Study of a sequence of substorm onsets on the basis of coordinated ground-satellite observations. <i>Physics and Chemistry of the Earth</i> , 2000 , 25, 559-563		

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3 Ionospheric Conductivity and the Formation of Auroral Arcs: A Review with an Emphasis on Solar
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2 Relative Timing on Magnetospheric Substorm Onset Signatures **1999**, 113-124

1 Observation of an Extremely Large-Density Heliospheric Plasma Sheet Compressed by an
Interplanetary Shock at 1 AU **2017**, 597-606