

A T Y Lui

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189
papers

5,942
citations

41
h-index

69
g-index

198
ext. papers

6,230
ext. citations

4.1
avg, IF

5.67
L-index

#	Paper	IF	Citations
189	Current disruption in the Earth's magnetosphere: Observations and models. <i>Journal of Geophysical Research</i> , 1996 , 101, 13067-13088		439
188	Current disruptions in the near-Earth neutral sheet region. <i>Journal of Geophysical Research</i> , 1992 , 97, 1461		290
187	A synthesis of magnetospheric substorm models. <i>Journal of Geophysical Research</i> , 1991 , 96, 1849-1856		267
186	A case study of magnetotail current sheet disruption and diversion. <i>Geophysical Research Letters</i> , 1988 , 15, 721-724	4.8	201
185	Evolution of the ring current during two geomagnetic storms. <i>Journal of Geophysical Research</i> , 1987 , 92, 7459		187
184	A cross-field current instability for substorm expansions. <i>Journal of Geophysical Research</i> , 1991 , 96, 11389		181
183	Kinetic ballooning instability for substorm onset and current disruption observed by AMPTE/CCE. <i>Geophysical Research Letters</i> , 1998 , 25, 4091-4094	4.8	137
182	A multisatellite case study of the expansion of a substorm current wedge in the near-Earth magnetotail. <i>Journal of Geophysical Research</i> , 1990 , 95, 8009		137
181	A current disruption mechanism in the neutral sheet: A possible trigger for substorm expansions. <i>Geophysical Research Letters</i> , 1990 , 17, 745-748	4.8	135
180	Cluster observations of earthward flowing plasmoid in the tail. <i>Geophysical Research Letters</i> , 2004 , 31,	4.8	110
179	Is the dynamic magnetosphere an avalanching system?. <i>Geophysical Research Letters</i> , 2000 , 27, 911-914	4.8	101
178	Quasi-linear analysis of ion Weibel instability in the Earth's neutral sheet. <i>Journal of Geophysical Research</i> , 1993 , 98, 153-163		82
177	AMPTE/CCE-SCATHA simultaneous observations of substorm-associated magnetic fluctuations. <i>Journal of Geophysical Research</i> , 1998 , 103, 4671-4682		79
176	Estimates of current changes in the geomagnetotail associated with a substorm. <i>Geophysical Research Letters</i> , 1978 , 5, 853-856	4.8	74
175	Geotail observations of substorm onset in the inner magnetotail. <i>Journal of Geophysical Research</i> , 1998 , 103, 103-117		73
174	Characteristics of the Cross-Tail Current in the Earth's Magnetotail. <i>Geophysical Monograph Series</i> , 1984 , 158-170	1.1	73
173	North-south structures in the midnight sector auroras as viewed by the Viking imager. <i>Geophysical Research Letters</i> , 1987 , 14, 407-410	4.8	72

172	Magnetic dipolarization with substorm expansion onset. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 23-1		69
171	Magnetic fluctuations associated with tail current disruption: Fractal analysis. <i>Journal of Geophysical Research</i> , 1995 , 100, 19135		66
170	On the location of auroral arcs near substorm onsets. <i>Journal of Geophysical Research</i> , 1978 , 83, 3342-3348		67
169	Time-frequency decomposition of signals in a current disruption event. <i>Geophysical Research Letters</i> , 1997 , 24, 3157-3160	4.8	65
168	The role of magnetic field fluctuations in nonadiabatic acceleration of ions during dipolarization. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		62
167	Generalized lower-hybrid drift instabilities in current-sheet equilibrium. <i>Physics of Plasmas</i> , 2002 , 9, 1526-1538		62
166	Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009 , 324, 1391-1391	32.2	56
165	Search for the magnetic neutral line in the near-Earth plasma sheet 2. Systematic study of Imp 6 magnetic field observations. <i>Journal of Geophysical Research</i> , 1977 , 82, 1547-1565		56
164	On the magnetic field fluctuations during magnetospheric tail current disruption: A statistical approach. <i>Journal of Geophysical Research</i> , 2005 , 110,		49
163	Current controversies in magnetospheric physics. <i>Reviews of Geophysics</i> , 2001 , 39, 535-563	22.6	49
162	Wavy nature of the magnetotail neutral sheet. <i>Geophysical Research Letters</i> , 1978 , 5, 279-282	4.8	49
161	First Composition Measurements of Energetic Neutral Atoms. <i>Geophysical Research Letters</i> , 1996 , 23, 2641-2644	4.8	48
160	Extended Consideration of a Synthesis Model for Magnetospheric Substorms. <i>Geophysical Monograph Series</i> , 2013 , 43-60	1.1	46
159	Spatial distributions of ions and electrons from the plasma sheet to the inner magnetosphere: Comparisons between THEMIS-Geotail statistical results and the Rice convection model. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		45
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157	Comment on "Tail reconnection triggering substorm onset". <i>Science</i> , 2009 , 324, 1391	32.2	45
156	Plasma sheet P5/3 and n and associated plasma and energy transport for different convection strengths and AE levels. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		45
155	Nonlinear analysis of generalized cross-field current instability. <i>Physics of Fluids B</i> , 1993 , 5, 836-853		45

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- 153 Model of ion- or electron-dominated current sheet. *Journal of Geophysical Research*, **2004**, 109, 44
- 152 Near-Earth dipolarization: Evidence for a non-MHD process. *Geophysical Research Letters*, **1999**, 26, 2905-2908 44
- 151 Geomagnetic activity triggered by interplanetary shocks. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a 41
- 150 Plasma and magnetic flux transport associated with auroral breakups. *Geophysical Research Letters*, **1998**, 25, 4059-4062 4.8 42
- 149 A fresh perspective of the substorm current system and its dynamo. *Geophysical Research Letters*, **2003**, 30, 4.8 41
- 148 Systematic study of plasma flow during plasma sheet thinnings. *Journal of Geophysical Research*, **1977**, 82, 4815-4825 41
- 147 Flattened current sheet and its evolution in substorms. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a 40
- 146 Theory and simulation of Kelvin-Helmholtz instability in the geomagnetic tail. *Journal of Geophysical Research*, **1996**, 101, 27327-27339 40
- 145 Lower-hybrid-drift instability operative in the geomagnetic tail. *Physics of Plasmas*, **1994**, 1, 3033-3043 2 40
- 144 Search for the magnetic neutral line in the near-Earth plasma sheet, 1. Critical reexamination of earlier studies on magnetic field observations. *Journal of Geophysical Research*, **1976**, 81, 5934-5940 40
- 143 Quasi-neutral sheet tearing instability induced by electron preferential acceleration from stochasticity. *Journal of Geophysical Research*, **1997**, 102, 163-173 38
- 142 Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r = 4.6$ RE. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a 37
- 141 A class of exact two-dimensional kinetic current sheet equilibria. *Journal of Geophysical Research*, **2005**, 110, 37
- 140 Dayside auroral intensifications during an auroral substorm. *Geophysical Research Letters*, **1987**, 14, 415-418 36
- 139 The topology of the auroral oval as seen by the Isis 2 scanning auroral photometer. *Journal of Geophysical Research*, **1975**, 80, 1795-1804 36
- 138 Empirical modeling of a CIR-driven magnetic storm. *Journal of Geophysical Research*, **2010**, 115, 35
- 137 Determination of the substorm initiation region from a major conjunction interval of THEMIS satellites. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a 35

136	Data-derived forecasting model for relativistic electron intensity at geosynchronous orbit. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.8	34
135	The magnetosphere as a source of energetic magnetosheath ions. <i>Geophysical Research Letters</i> , 1987 , 14, 1011-1014	4.8	35
134	A substorm model with onset location tied to an auroral arc. <i>Geophysical Research Letters</i> , 1998 , 25, 1269-1272	4.8	34
133	Nonlocal ion-Weibel instability in the geomagnetic tail. <i>Journal of Geophysical Research</i> , 1996 , 101, 4899-4906		34
132	Energetic atomic and molecular ions of ionospheric origin observed in distant magnetotail flow-reversal events. <i>Geophysical Research Letters</i> , 1994 , 21, 3023-3026	4.8	34
131	Energetic O ⁺ and H ⁺ ions in the plasma sheet: Implications for the transport of ionospheric ions. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		33
130	On ionospheric trough conductance and subauroral polarization streams: Simulation results. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		32
129	Inverse cascade feature in current disruption. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		32
128	AMPTE/CCE energetic particle composition measurements during the September 4, 1984 magnetic storm. <i>Geophysical Research Letters</i> , 1985 , 12, 317-320	4.8	31
127	Reduction of the cross-tail current during near-Earth dipolarization with multisatellite observations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		30
126	Evolution of plasma sheet particle content under different interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		28
125	Lower-hybrid-drift and modified-two-stream instabilities in current sheet equilibrium. <i>Journal of Geophysical Research</i> , 2004 , 109,		28
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123	Importance of auroral features in the search for substorm onset processes. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		27
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121	Particle injections with auroral expansions. <i>Journal of Geophysical Research</i> , 2001 , 106, 5873-5881		27
120	ISTP observations of plasmoid ejection: IMP 8 and Geotail. <i>Journal of Geophysical Research</i> , 1998 , 103, 119-133		27
119	The Composition of Plasma inside Geostationary Orbit Based on Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6478-6493	2.5	26

118	Magnetotail behavior during storm time sawtooth injections. <i>Journal of Geophysical Research</i> , 2004 , 109,		26
117	A new insight on the cause of magnetic storms. <i>Geophysical Research Letters</i> , 2001 , 28, 3413-3416	4.8	26
116	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. <i>Journal of Geophysical Research</i> , 2010 , 115,		25
115	Storm-time convection electric field in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2005 , 110,		24
114	Evidence of kinetic Alfvén eigenmode in the near-Earth magnetotail during substorm expansion phase. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4316-4330	2.5	22
113	Relationship between Region 2 field-aligned current and the ring current: Model results. <i>Journal of Geophysical Research</i> , 2006 , 111,		23
112	Empirical modeling of 3-D force-balanced plasma and magnetic field structures during substorm growth phase. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6496-6513	2.5	22
111	Near-Earth substorm features from multiple satellite observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		22
110	A preliminary assessment of energetic ion species in flux ropes/plasmoids in the distant tail. <i>Geophysical Research Letters</i> , 1994 , 21, 3019-3022	4.8	22
109	Reconstruction of a magnetic flux rope from THEMIS observations. <i>Geophysical Research Letters</i> , 2008 , 35,	4.8	21
108	Time delay of interplanetary magnetic field penetration into Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3406-3414	2.5	19
107	Effects of modeled ionospheric conductance and electron loss on self-consistent ring current simulations during the 5 th April 2010 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5355-5376	2.5	20
106	On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		20
105	Breakdown of the frozen-in condition in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		19
104	Internal structure of a magnetic flux rope from Cluster observations. <i>Geophysical Research Letters</i> , 2007 , 34,	4.8	19
103	Quasi-linear theory of anomalous resistivity. <i>Journal of Geophysical Research</i> , 2006 , 111,		19
102	Two fundamentally different drivers of dipolarizations at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4348-4356	2.5	18
101	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. <i>Geophysical Research Letters</i> , 2019 , 46, 11632-11641	4.8	15

100	Acceleration of Energetic Oxygen (E> 137 KEV) in the Storm-Time Ring Current. <i>Geophysical Monograph Series</i> , 2013 , 149-152	1.1	16
99	Theory and simulation of lower-hybrid drift instability for current sheet with guide field. <i>Physics of Plasmas</i> , 2008 , 15, 112103	2	17
98	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016 , 43, 5597-5605	4.8	16
97	A transient narrow poleward extrusion from the diffuse aurora and the concurrent magnetotail activity. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		16
96	Identification of plasma instability from wavelet spectra in a current disruption event. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		16
95	Regions of ion energization observed during the Galaxy-15 substorm with TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8274-8287	2.5	15
94	Undulations on the equatorward edge of the diffuse proton aurora: TIMED/GUVI observations. <i>Journal of Geophysical Research</i> , 2005 , 110,		15
93	Current-driven instabilities in forced current sheets. <i>Journal of Geophysical Research</i> , 2004 , 109,		15
92	A flux rope followed by recurring encounters with traveling compression regions: GEOTAIL observations. <i>Geophysical Research Letters</i> , 1994 , 21, 2891-2894	4.8	15
91	Method for inferring the axis orientation of cylindrical magnetic flux rope based on single-point measurement. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 271-283	2.5	14
90	Revisiting Time History of Events and Macroscale Interactions during Substorms (THEMIS) substorm events implying magnetic reconnection as the substorm trigger. <i>Journal of Geophysical Research</i> , 2011 , 116,		14
89	Two classes of earthward fast flows in the plasma sheet. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		14
88	Reconstruction of a flux transfer event based on observations from five THEMIS satellites. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		14
87	Polar rain aurora. <i>Geophysical Research Letters</i> , 2007 , 34,	4.8	14
86	Symmetry Breaking and Nonlinear Wave-Wave Interaction in Current Disruption: Possible Evidence for a Phase Transition. <i>Geophysical Monograph Series</i> , 2000 , 395-401	1.1	14
85	Magnetopause encounters in the magnetotail at distances of ~80 Re. <i>Geophysical Research Letters</i> , 1994 , 21, 3007-3010	4.8	14
84	Tailward energetic ion streams observed at ~100 RE by GEOTAIL-EPIC associated with geomagnetic activity intensification. <i>Geophysical Research Letters</i> , 1994 , 21, 3015-3018	4.8	13
83	Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		13

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81	Critical Issues on Magnetic Reconnection in Space Plasmas. <i>Space Science Reviews</i> , 2005 , 116, 497-521	7.4	13
80	Dipolarization fronts and magnetic flux transport. <i>Geoscience Letters</i> , 2015 , 2,	3.3	12
79	On the current sheet model with δ distribution. <i>Physics of Plasmas</i> , 2006 , 13, 102108	2	12
78	Turbulent processes in the Earth's magnetotail: spectral and statistical research. <i>Annales Geophysicae</i> , 2018 , 36, 1303-1318	1.9	11
77	Grad-Shafranov Reconstruction of Magnetic Flux Ropes in the Near-Earth Space. <i>Space Science Reviews</i> , 2011 , 158, 43-68	7.4	11
76	Cross-tail current evolution during substorm dipolarization. <i>Annales Geophysicae</i> , 2013 , 31, 1131-1142	1.9	11
75	Reply to comment by V. Ghot on δ a class of exact two-dimensional kinetic current sheet equilibria <i>Journal of Geophysical Research</i> , 2005 , 110,		11
74	Electric Current Approach to Magnetospheric Physics and the Distinction Between Current Disruption and Magnetic Reconnection. <i>Geophysical Monograph Series</i> , 2000 , 31-40	1.1	11
73	Role of Fermi acceleration in explosive enhancement of cross-tail current in late substorm growth phase. <i>Geophysical Research Letters</i> , 1995 , 22, 2405-2408	4.8	11
72	On the Initial motion of artificial comets in the AMPTE releases. <i>Geophysical Research Letters</i> , 1986 , 13, 925-927	4.8	11
71	Cross-field current instability for auroral bead formation in breakup arcs. <i>Geophysical Research Letters</i> , 2016 , 43, 6087-6095	4.8	9
70	Observations of energetic neutral oxygen by IMAGE/HENA and Geotail/EPIC. <i>Geophysical Research Letters</i> , 2005 , 32,	4.8	10
69	The Distribution of Two Flapping Types of Magnetotail Current Sheet: Implication for the Flapping Mechanism. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7413-7423	2.5	9
68	A 2-D empirical plasma sheet pressure model for substorm growth phase using the Support Vector Regression Machine. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1957-1973	2.5	9
67	Electron source associated with dipolarization at the outer boundary of the radiation belts: Non-storm cases. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
66	Ring current intensification and convection-driven negative bays: Multisatellite studies. <i>Journal of Geophysical Research</i> , 2003 , 108,		9
65	Modified magnetohydrodynamic waves in a current sheet in space. <i>Physics of Plasmas</i> , 1997 , 4, 4382-4387		9

64	Responses of different ion species to fast plasma flows and local dipolarization in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 187-200	2.5	8
63	An explanation of auroral intensification during the substorm expansion phase. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8560-8576	2.5	7
62	Review on the Characteristics of the Current Sheet in the Earth's Magnetotail. <i>Geophysical Monograph Series</i> , 2018 , 155-175	1.1	7
61	Obliquely propagating electromagnetic drift ion cyclotron instability. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		7
60	Anomalous resistivity by fluctuation in the lower-hybrid frequency range. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		7
59	Plasma transport from multicomponent approach. <i>Geophysical Research Letters</i> , 2005 , 32,	4.8	7
58	A substorm-associated drift echo of energetic protons observed by Geotail: Radial density gradient structure. <i>Geophysical Research Letters</i> , 2003 , 30,	4.8	7
57	Cluster Observations of a Dispersive Flapping Event of Magnetotail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5571-5579	2.5	6
56	Dipolarization front and current disruption. <i>Geophysical Research Letters</i> , 2016 , 43, 10,050	4.8	6
55	Effects of plasma sheet properties on storm-time ring current. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		6
54	Viewing perspective in energetic neutral atom intensity. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		6
53	Lower-hybrid drift and Buneman instabilities in current sheets with guide field. <i>Physics of Plasmas</i> , 2008 , 15, 112105	2	6
52	Prelude to THEMIS tail conjunction study. <i>Annales Geophysicae</i> , 2007 , 25, 1001-1009	1.9	6
51	Parameter extraction of source plasma from observed particle velocity distribution. <i>Geophysical Research Letters</i> , 2006 , 33,	4.8	6
50	Ion composition and charge state of energetic particles in flux ropes/plasmoids. <i>Journal of Geophysical Research</i> , 1998 , 103, 4467-4475		6
49	Growth and evolution of a plasmoid associated with a small, isolated substorm: IMP 8 and GEOTAIL measurements in the magnetotail. <i>Geophysical Research Letters</i> , 1995 , 22, 3011-3014	4.8	6
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45	Tailward leap of multiple expansions of the plasma sheet during a moderately intense substorm: THEMIS observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		5
44	Convection electric field in the near-Earth tail during the super magnetic storm of November 2001, 2003. <i>Geophysical Research Letters</i> , 2006 , 33,	4.8	5
43	Effects of magnetized ions on the lower-hybrid-drift instability. <i>Physics of Plasmas</i> , 2003 , 10, 4260-4264	2	5
42	A new technique for short-term forecast of auroral activity. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.8	5
41	Evidence suggests internal triggering of substorms. <i>Eos</i> , 1996 , 77, 87-88	1.2	5
40	Periodic longitudinal structure of field-aligned currents in the dawn sector: Large-scale meandering of an auroral electrojet. <i>Geophysical Research Letters</i> , 1994 , 21, 1879-1882	4.8	5
39	Anisotropy Reversals in the Distant Magnetotail and Their Association with Magnetospheric Substorms. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 629-648		5
38	Electron source at the outer boundary of the radiation belts: Storm time case. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1545-1551	2.5	4
37	Evaluation of the Cross-Field Current Instability as a Substorm Onset Process With Auroral Bead Properties. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027867	2.5	4
36	Phase Space Density Analysis of Energy Transport in the Earth's Magnetotail. <i>Space Science Reviews</i> , 2006 , 122, 69-80	7.4	4
35	Global two-fluid stability of bifurcated current sheets. <i>Journal of Geophysical Research</i> , 2006 , 111,		4
34	Cluster observations of unusually high concentration of energetic O ⁺ carried by flux ropes in the nightside high-latitude magnetosheath during a storm initial phase. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8317-8326	2.5	3
33	Electron dynamics in the current disruption region. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 22-1		3
32	Conjunction of tail satellites for substorm study: ISTP event of 1997 January 2. <i>Geophysical Research Letters</i> , 2000 , 27, 1831-1834	4.8	3
31	Ionospheric signature of a magnetic flux rope in the magnetotail. <i>Geophysical Research Letters</i> , 1998 , 25, 3733-3736	4.8	3
30	A Brief Review of Space Weather Disturbances. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2003 , 14, 221	0.8	3
29	Temporal evolutions of the solar wind conditions at 1 AU prior to the near-Earth X lines in the tail: Superposed epoch analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7488-7496	2.5	1

28	Magnetospheric Substorm Onset by Current Disruption Processes. <i>Geophysical Monograph Series</i> , 2015 , 163-176	1.1	2
27	Distribution of O ⁺ ions in the plasma sheet and locations of substorm onsets. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		2
26	Statistical analysis of plasma turbulence based on satellite magnetic field measurements. <i>Kinematics and Physics of Celestial Bodies</i> , 2008 , 24, 209-214	0.6	2
25	Anisotropic Vorticity Within Bursty Bulk Flow Turbulence. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028255	2.5	2
24	Auroral electrojet activity associated with fast plasma flows in the magnetotail. <i>Geophysical Research Letters</i> , 2000 , 27, 3245-3248	4.8	3
23	A filament of energetic particles near the high-latitude dawn magnetopause. <i>Geophysical Research Letters</i> , 1994 , 21, 3011-3014	4.8	2
22	Frozen-in condition for ions and electrons: implication on magnetic flux transport by dipolarizing flux bundles. <i>Geoscience Letters</i> , 2018 , 5, 5	3.3	1
21	Comparison of current disruption and magnetic reconnection. <i>Geoscience Letters</i> , 2015 , 2,	3.3	1
20	First satellite imaging of auroral pulsations by the Fast Auroral Imager on e-POP. <i>Geophysical Research Letters</i> , 2015 , 42, 6877-6882	4.8	1
19	Comparison of energetic electron intensities outside and inside the radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6213-6230	2.5	1
18	Study of an Isolated Substorm with ISTP Data. <i>Geophysical Monograph Series</i> , 2013 , 261-274	1.1	1
17	Magnetospheric-Ionospheric Activity During an Isolated Substorm: A Comparison Between Wind/Geotail/IMP 8/CANOPUS Observations and Modeling. <i>Geophysical Monograph Series</i> , 2013 , 181-191 ¹		1
16	Reply to comment by Y. I. Feldstein, V. G. Vorobjev, and V. L. Zverev on "The importance of auroral features in the search for substorm onset process" <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		1
15	Energy source for auroral electrons from two proposed substorm onset processes. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		1
14	Extended Consideration of a Synthesis Model for Magnetospheric Substorms ⁴³		1
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