

# A T Y Lui

## List of Publications by Year in descending order

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195  
papers

7,022  
citations

53660

45  
h-index

71532

76  
g-index

198  
all docs

198  
docs citations

198  
times ranked

2075  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Statistical Study on Wide-Amplitude Kinetic Alfvénic Pulse at 8 <sup>h</sup> in the Magnetotail by THEMIS Spacecraft From 2008 to 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	3
2	Vorticity Within Bursty Bulk Flows: Convective Versus Kinetic. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	4
3	Processes in the Current Disruption Region: From Turbulence to Dispersion Relation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028404.	0.8	2
4	MMS Observation on the Cross-Tail Current Sheet Roll-up at the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028796.	0.8	4
5	Anisotropic Vorticity Within Bursty Bulk Flow Turbulence. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028255.	0.8	9
6	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.	0.8	8
7	Application of statistical and spectral analysis for investigation of the turbulent processes in the magnetohydrodynamics. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
8	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.	1.5	32
9	Turbulent processes in the Earth's magnetotail: spectral and statistical research. <i>Annales Geophysicae</i> , 2018, 36, 1303-1318.	0.6	16
10	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.	0.8	47
11	Cluster Observations of a Dispersive Flapping Event of Magnetotail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5571-5579.	0.8	12
12	Frozen-in condition for ions and electrons: implication on magnetic flux transport by dipolarizing flux bundles. <i>Geoscience Letters</i> , 2018, 5, 5.	1.3	5
13	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.	0.8	17
14	An explanation of auroral intensification during the substorm expansion phase. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8560-8576.	0.8	10
15	Two fundamentally different drivers of dipolarizations at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4348-4356.	0.8	22
16	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.	0.8	31
17	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016, 43, 5597-5605.	1.5	24
18	Dipolarization front and current disruption. <i>Geophysical Research Letters</i> , 2016, 43, 10,050.	1.5	9

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19	Cross-field current instability for auroral bead formation in breakup arcs. <i>Geophysical Research Letters</i> , 2016, 43, 6087-6095.	1.5	14
20	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.	0.8	4
21	Empirical modeling of 3D force-balanced plasma and magnetic field structures during substorm growth phase. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6496-6513.	0.8	29
22	Cluster observations of unusually high concentration of energetic O <sup>+</sup> 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.	0.8	4
23	Comparison of current disruption and magnetic reconnection. <i>Geoscience Letters</i> , 2015, 2, .	1.3	2
24	Dipolarization fronts and magnetic flux transport. <i>Geoscience Letters</i> , 2015, 2, .	1.3	17
25	First satellite imaging of auroral pulsations by the Fast Auroral Imager on ePOC. <i>Geophysical Research Letters</i> , 2015, 42, 6877-6882.	1.5	3
26	Time delay of interplanetary magnetic field penetration into Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3406-3414.	0.8	25
27	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.	0.8	10
28	Effects of modeled ionospheric conductance and electron loss on self-consistent ring current simulations during the 5-7 April 2010 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5355-5376.	0.8	29
29	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.	0.8	10
30	Dynamics of the Earth's magnetotail in substorms: Impact of kinetic effects. , 2014, , .		0
31	Comparison of energetic electron intensities outside and inside the radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6213-6230.	0.8	1
32	Regions of ion energization observed during the Galaxy-15 substorm with TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8274-8287.	0.8	19
33	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.	0.8	18
34	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.	0.8	4
35	Reconstruction of solar wind features that caused a super geomagnetic storm. , 2013, , .		0
36	Cross-tail current evolution during substorm dipolarization. <i>Annales Geophysicae</i> , 2013, 31, 1131-1142.	0.6	15

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37	Acceleration of Energetic Oxygen ( $E > 137$ KEV) in the Storm-Time Ring Current. Geophysical Monograph Series, 2013, , 149-152.	0.1	20
38	Study of an Isolated Substorm with ISTP Data. Geophysical Monograph Series, 2013, , 261-274.	0.1	1
39	Magnetospheric-Ionospheric Activity During an Isolated Substorm: A Comparison Between Wind/Geotail/IMP 8/CANOPUS Observations and Modeling. Geophysical Monograph Series, 2013, , 181-191.	0.1	5
40	Electron source associated with dipolarization at the outer boundary of the radiation belts: Nonstorm cases. Journal of Geophysical Research, 2012, 117, .	3.3	10
41	Revisiting the role of magnetic field fluctuations in nonadiabatic acceleration of ions during dipolarization. Journal of Geophysical Research, 2012, 117, .	3.3	7
42	Tailward leap of multiple expansions of the plasma sheet during a moderately intense substorm: THEMIS observations. Journal of Geophysical Research, 2012, 117, .	3.3	8
43	On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	26
44	Revisiting Time History of Events and Macroscale Interactions during Substorms (THEMIS) substorm events implying magnetic reconnection as the substorm trigger. Journal of Geophysical Research, 2011, 116, .	3.3	17
45	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 processes". Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	1
46	Energy source for auroral electrons from two proposed substorm onset processes. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	1
47	Energetic O <sup>+</sup> and H <sup>+</sup> ions in the plasma sheet: Implications for the transport of ionospheric ions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	37
48	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. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	53
49	Reduction of the cross-tail current during near-Earth dipolarization with multisatellite observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	35
50	Grad-Shafranov Reconstruction of Magnetic Flux Ropes in the Near-Earth Space. Space Science Reviews, 2011, 158, 43-68.	3.7	13
51	Grad-Shafranov Reconstruction of Magnetic Flux Ropes in the Near-Earth Space. , 2011, , 43-68.		0
52	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. Journal of Geophysical Research, 2010, 115, .	3.3	34
53	Effects of plasma sheet properties on storm-time ring current. Journal of Geophysical Research, 2010, 115, .	3.3	6
54	Obliquely propagating electromagnetic drift ion cyclotron instability. Journal of Geophysical Research, 2010, 115, .	3.3	7

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55	Importance of auroral features in the search for substorm onset processes. Journal of Geophysical Research, 2010, 115, .	3.3	30
56	Evolution of plasma sheet particle content under different interplanetary magnetic field conditions. Journal of Geophysical Research, 2010, 115, .	3.3	36
57	Distribution of O <sup>+</sup> ions in the plasma sheet and locations of substorm onsets. Journal of Geophysical Research, 2010, 115, .	3.3	3
58	Empirical modeling of a CIR-driven magnetic storm. Journal of Geophysical Research, 2010, 115, .	3.3	38
59	Reply to comment by R. J. Strangeway on "Pressure gradient effect on a particle velocity distribution". Geophysical Research Letters, 2010, 37, .	1.5	0
60	Geomagnetic activity triggered by interplanetary shocks. Journal of Geophysical Research, 2010, 115, .	3.3	66
61	A transient narrow poleward extrusion from the diffuse aurora and the concurrent magnetotail activity. Journal of Geophysical Research, 2010, 115, .	3.3	18
62	Response to Comment on "Tail Reconnection Triggering Substorm Onset". Science, 2009, 324, 1391-1391.	6.0	45
63	Pressure gradient effect on a particle velocity distribution. Geophysical Research Letters, 2009, 36, .	1.5	2
64	Identification of plasma instability from wavelet spectra in a current disruption event. Journal of Geophysical Research, 2009, 114, .	3.3	17
65	The role of magnetic field fluctuations in nonadiabatic acceleration of ions during dipolarization. Journal of Geophysical Research, 2009, 114, .	3.3	69
66	Comment on "Tail Reconnection Triggering Substorm Onset". Science, 2009, 324, 1391-1391.	6.0	60
67	Plasma sheet $P_{5/3}$ and $n$ and associated plasma and energy transport for different convection strengths and $AE$ levels. Journal of Geophysical Research, 2009, 114, .	3.3	52
68	Statistical analysis of plasma turbulence based on satellite magnetic field measurements. Kinematics and Physics of Celestial Bodies, 2008, 24, 209-214.	0.2	2
69	Reconstruction of a magnetic flux rope from THEMIS observations. Geophysical Research Letters, 2008, 35, .	1.5	24
70	Two classes of earthward fast flows in the plasma sheet. Journal of Geophysical Research, 2008, 113, .	3.3	18
71	On ionospheric trough conductance and subauroral polarization streams: Simulation results. Journal of Geophysical Research, 2008, 113, .	3.3	41
72	Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. Journal of Geophysical Research, 2008, 113, .	3.3	14

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73	Near-Earth substorm features from multiple satellite observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
74	Flattened current sheet and its evolution in substorms. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	46
75	Viewing perspective in energetic neutral atom intensity. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	6
76	Reconstruction of a flux transfer event based on observations from five THEMIS satellites. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
77	Inverse cascade feature in current disruption. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
78	Determination of the substorm initiation region from a major conjunction interval of THEMIS satellites. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	42
79	Theory and simulation of lower-hybrid drift instability for current sheet with guide field. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	17
80	Lower-hybrid drift and Buneman instabilities in current sheets with guide field. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	7
81	Breakdown of the frozen-in condition in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	23
82	Anomalous resistivity by fluctuation in the lower-hybrid frequency range. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	10
83	Energy transfer in the Earth-Sun System. <i>Eos</i> , 2007, 88, 98-98.	0.1	0
84	Internal structure of a magnetic flux rope from Cluster observations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	22
85	Polar rain aurora. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	14
86	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r/i = 4.6 R_E$ . <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40
87	Prelude to THEMIS tail conjunction study. <i>Annales Geophysicae</i> , 2007, 25, 1001-1009.	0.6	6
88	An unusual nightside distortion of the auroral oval: TIMED/GUVI and IMAGE/FUV observations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	2
89	Global two-fluid stability of bifurcated current sheets. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	4
90	Quasi-linear theory of anomalous resistivity. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	22

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91	Convection electric field in the near-Earth tail during the super magnetic storm of November 20 <sup>01</sup> , 2003. Geophysical Research Letters, 2006, 33, .	1.5	5
92	Relationship between Region 2 field-aligned current and the ring current: Model results. Journal of Geophysical Research, 2006, 111, .	3.3	24
93	Characteristics of 2 <sup>06</sup> MeV electrons in the slot region and inner radiation belt. Journal of Geophysical Research, 2006, 111, .	3.3	31
94	Cluster observation of plasma flow reversal in the magnetotail during a substorm. Annales Geophysicae, 2006, 24, 2005-2013.	0.6	22
95	Parameter extraction of source plasma from observed particle velocity distribution. Geophysical Research Letters, 2006, 33, .	1.5	7
96	Phase Space Density Analysis of Energy Transport in the Earth's Magnetotail. Space Science Reviews, 2006, 122, 69-80.	3.7	5
97	On the current sheet model with $\hat{n}$ distribution. Physics of Plasmas, 2006, 13, 102108.	0.7	16
98	Critical Issues on Magnetic Reconnection in Space Plasmas. Space Science Reviews, 2005, 116, 497-521.	3.7	14
99	A class of exact two-dimensional kinetic current sheet equilibria. Journal of Geophysical Research, 2005, 110, .	3.3	45
100	Plasma transport from multicomponent approach. Geophysical Research Letters, 2005, 32, .	1.5	8
101	Storm-time convection electric field in the near-Earth plasma sheet. Journal of Geophysical Research, 2005, 110, .	3.3	29
102	Undulations on the equatorward edge of the diffuse proton aurora: TIMED/GUVI observations. Journal of Geophysical Research, 2005, 110, .	3.3	17
103	On the magnetic field fluctuations during magnetospheric tail current disruption: A statistical approach. Journal of Geophysical Research, 2005, 110, .	3.3	59
104	Observations of energetic neutral oxygen by IMAGE/HENA and Geotail/EPIC. Geophysical Research Letters, 2005, 32, .	1.5	10
105	Reply to comment by V. G. $\text{\AA}$ not on "A class of exact two-dimensional kinetic current sheet equilibria". Journal of Geophysical Research, 2005, 110, .	3.3	14
106	Forecast of auroral activity. Physics of Plasmas, 2004, 11, 1339-1344.	0.7	0
107	Current-driven instabilities in forced current sheets. Journal of Geophysical Research, 2004, 109, .	3.3	15
108	Lower-hybrid-drift and modified-two-stream instabilities in current sheet equilibrium. Journal of Geophysical Research, 2004, 109, .	3.3	30

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109	Data-derived forecasting model for relativistic electron intensity at geosynchronous orbit. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	44
110	Cluster observations of earthward flowing plasmoid in the tail. Geophysical Research Letters, 2004, 31, .	1.5	128
111	Magnetotail behavior during storm time "sawtooth injections". Journal of Geophysical Research, 2004, 109, .	3.3	31
112	Model of ion- or electron-dominated current sheet. Journal of Geophysical Research, 2004, 109, .	3.3	52
113	A substorm-associated drift echo of energetic protons observed by Geotail: Radial density gradient structure. Geophysical Research Letters, 2003, 30, .	1.5	8
114	A new technique for short-term forecast of auroral activity. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	8
115	Inner magnetospheric plasma pressure distribution and its local time asymmetry. Geophysical Research Letters, 2003, 30, .	1.5	55
116	A fresh perspective of the substorm current system and its dynamo. Geophysical Research Letters, 2003, 30, .	1.5	47
117	Ring current intensification and convection-driven negative bays: Multisatellite studies. Journal of Geophysical Research, 2003, 108, .	3.3	10
118	Effects of magnetized ions on the lower-hybrid-drift instability. Physics of Plasmas, 2003, 10, 4260-4264.	0.7	5
119	A Brief Review of Space Weather Disturbances. Terrestrial, Atmospheric and Oceanic Sciences, 2003, 14, 221.	0.3	3
120	Electron dynamics in the current disruption region. Journal of Geophysical Research, 2002, 107, SMP 22-1.	3.3	4
121	Comment [on "The Parker Challenge"]. Eos, 2002, 83, 460-460.	0.1	0
122	Generalized lower-hybrid drift instabilities in current-sheet equilibrium. Physics of Plasmas, 2002, 9, 1526-1538.	0.7	69
123	Magnetic dipolarization with substorm expansion onset. Journal of Geophysical Research, 2002, 107, SMP 23-1.	3.3	82
124	THE PRACTICAL ASPECT OF SPACE WEATHER RESEARCH. , 2002, , .		0
125	Particle injections with auroral expansions. Journal of Geophysical Research, 2001, 106, 5873-5881.	3.3	31
126	A new insight on the cause of magnetic storms. Geophysical Research Letters, 2001, 28, 3413-3416.	1.5	29



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127	Current controversies in magnetospheric physics. <i>Reviews of Geophysics</i> , 2001, 39, 535-563.	9.0	59
128	Electric current approach to magnetospheric physics and the distinction between current disruption and magnetic reconnection. <i>Geophysical Monograph Series</i> , 2000, , 31-40.	0.1	17
129	Symmetry breaking and nonlinear wave-wave interaction in current disruption: Possible evidence for a phase transition. <i>Geophysical Monograph Series</i> , 2000, , 395-401.	0.1	22
130	Is the dynamic magnetosphere an avalanching system?. <i>Geophysical Research Letters</i> , 2000, 27, 911-914.	1.5	135
131	Conjunction of tail satellites for substorm study: ISTP event of 1997 January 2. <i>Geophysical Research Letters</i> , 2000, 27, 1831-1834.	1.5	4
132	Auroral electrojet activity associated with fast plasma flows in the magnetotail. <i>Geophysical Research Letters</i> , 2000, 27, 3245-3248.	1.5	3
133	Near-Earth dipolarization: Evidence for a non-MHD process. <i>Geophysical Research Letters</i> , 1999, 26, 2905-2908.	1.5	52
134	Sign-singularity analysis of current disruption. <i>Geophysical Research Letters</i> , 1999, 26, 1673-1676.	1.5	35
135	Plasma and magnetic flux transport associated with auroral breakups. <i>Geophysical Research Letters</i> , 1998, 25, 4059-4062.	1.5	57
136	Kinetic ballooning instability for substorm onset and current disruption observed by AMPTE/CCE. <i>Geophysical Research Letters</i> , 1998, 25, 4091-4094.	1.5	158
137	Geotail observations of substorm onset in the inner magnetotail. <i>Journal of Geophysical Research</i> , 1998, 103, 103-117.	3.3	85
138	ISTP observations of plasmoid ejection: IMP 8 and Geotail. <i>Journal of Geophysical Research</i> , 1998, 103, 119-133.	3.3	36
139	Ion composition and charge state of energetic particles in flux ropes/plasmoids. <i>Journal of Geophysical Research</i> , 1998, 103, 4467-4475.	3.3	8
140	AMPTE/CCE-SCATHA simultaneous observations of substorm-associated magnetic fluctuations. <i>Journal of Geophysical Research</i> , 1998, 103, 4671-4682.	3.3	89
141	A substorm model with onset location tied to an auroral arc. <i>Geophysical Research Letters</i> , 1998, 25, 1269-1272.	1.5	39
142	Ionospheric signature of a magnetic flux rope in the magnetotail. <i>Geophysical Research Letters</i> , 1998, 25, 3733-3736.	1.5	3
143	Modified magnetohydrodynamic waves in a current sheet in space. <i>Physics of Plasmas</i> , 1997, 4, 4382-4387.	0.7	11
144	Time-frequency decomposition of signals in a current disruption event. <i>Geophysical Research Letters</i> , 1997, 24, 3157-3160.	1.5	76

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145	Quasi-neutral sheet tearing instability induced by electron preferential acceleration from stochasticity. <i>Journal of Geophysical Research</i> , 1997, 102, 163-173.	3.3	40
146	Nonlocal ion-Weibel instability in the geomagnetic tail. <i>Journal of Geophysical Research</i> , 1996, 101, 4899-4906.	3.3	37
147	Evidence suggests internal triggering of substorms. <i>Eos</i> , 1996, 77, 87-88.	0.1	6
148	First Composition Measurements of Energetic Neutral Atoms. <i>Geophysical Research Letters</i> , 1996, 23, 2641-2644.	1.5	54
149	Current disruption in the Earth's magnetosphere: Observations and models. <i>Journal of Geophysical Research</i> , 1996, 101, 13067-13088.	3.3	517
150	Theory and simulation of Kelvin-Helmholtz instability in the geomagnetic tail. <i>Journal of Geophysical Research</i> , 1996, 101, 27327-27339.	3.3	47
151	Anisotropy Reversals in the Distant Magnetotail and Their Association with Magnetospheric Substorms. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 629-648.	0.8	6
152	Detailed Observations of a Burst of Energetic Particles in the Deep Magnetotail by Geotail. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 649-656.	0.8	9
153	Observed features in current disruption and their implications to existing theories. <i>Geophysical Monograph Series</i> , 1995, , 149-162.	0.1	2
154	Micro/mesoscale coupling in magnetotail current sheet: Observations. <i>Geophysical Monograph Series</i> , 1995, , 261-274.	0.1	1
155	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.	1.5	11
156	Pervasive small-scale enhancements in mantle and polar rain precipitation. <i>Geophysical Research Letters</i> , 1995, 22, 3263-3266.	1.5	1
157	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.	1.5	9
158	Magnetic fluctuations associated with tail current disruption: Fractal analysis. <i>Journal of Geophysical Research</i> , 1995, 100, 19135.	3.3	81
159	Lower-hybrid-drift instability operative in the geomagnetic tail. <i>Physics of Plasmas</i> , 1994, 1, 3033-3043.	0.7	42
160	Empirical modeling of the quiet time nightside magnetosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 151.	3.3	53
161	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.	1.5	6
162	A preliminary assessment of energetic ion species in flux ropes/plasmoids in the distant tail. <i>Geophysical Research Letters</i> , 1994, 21, 3019-3022.	1.5	25

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163	A filament of energetic particles near the high-latitude dawn magnetopause. Geophysical Research Letters, 1994, 21, 3011-3014.	1.5	3
164	Magnetopause encounters in the magnetotail at distances of $\sim 1/480$ Re. Geophysical Research Letters, 1994, 21, 3007-3010.	1.5	20
165	Tailward energetic ion streams observed at $\sim 1/100$ RE by GEOTAIL-EPIC associated with geomagnetic activity intensification. Geophysical Research Letters, 1994, 21, 3015-3018.	1.5	16
166	Energetic atomic and molecular ions of ionospheric origin observed in distant magnetotail flow-reversal events. Geophysical Research Letters, 1994, 21, 3023-3026.	1.5	42
167	A flux rope followed by recurring encounters with traveling compression regions: GEOTAIL observations. Geophysical Research Letters, 1994, 21, 2891-2894.	1.5	20
168	Quasi-linear analysis of ion Weibel instability in the Earth's neutral sheet. Journal of Geophysical Research, 1993, 98, 153-163.	3.3	94
169	Nonlinear analysis of generalized cross-field current instability. Physics of Fluids B, 1993, 5, 836-853.	1.7	48
170	Magnetospheric substorms. Physics of Fluids B, 1992, 4, 2257-2263.	1.7	6
171	Current disruptions in the near-Earth neutral sheet region. Journal of Geophysical Research, 1992, 97, 1461-1480.	3.3	318
172	A synthesis of magnetospheric substorm models. Journal of Geophysical Research, 1991, 96, 1849-1856.	3.3	317
173	A cross-field current instability for substorm expansions. Journal of Geophysical Research, 1991, 96, 11389-11401.	3.3	216
174	A current disruption mechanism in the neutral sheet: A possible trigger for substorm expansions. Geophysical Research Letters, 1990, 17, 745-748.	1.5	147
175	A multisatellite case study of the expansion of a substorm current wedge in the near-Earth magnetotail. Journal of Geophysical Research, 1990, 95, 8009-8017.	3.3	150
176	Fast Fermi acceleration in the plasma sheet boundary layer. Geophysical Research Letters, 1989, 16, 1125-1128.	1.5	2
177	A case study of magnetotail current sheet disruption and diversion. Geophysical Research Letters, 1988, 15, 721-724.	1.5	226
178	North-south structures in the midnight sector auroras as viewed by the Viking imager. Geophysical Research Letters, 1987, 14, 407-410.	1.5	83
179	Dayside auroral intensifications during an auroral substorm. Geophysical Research Letters, 1987, 14, 415-418.	1.5	40
180	The magnetosphere as a source of energetic magnetosheath ions. Geophysical Research Letters, 1987, 14, 1011-1014.	1.5	40

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