

# 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	Current disruption in the Earth's magnetosphere: Observations and models. Journal of Geophysical Research, 1996, 101, 13067-13088.	3.3	517
2	Current disruptions in the near-Earth neutral sheet region. Journal of Geophysical Research, 1992, 97, 1461-1480.	3.3	318
3	A synthesis of magnetospheric substorm models. Journal of Geophysical Research, 1991, 96, 1849-1856.	3.3	317
4	A case study of magnetotail current sheet disruption and diversion. Geophysical Research Letters, 1988, 15, 721-724.	1.5	226
5	Evolution of the ring current during two geomagnetic storms. Journal of Geophysical Research, 1987, 92, 7459-7470.	3.3	216
6	A cross-field current instability for substorm expansions. Journal of Geophysical Research, 1991, 96, 11389-11401.	3.3	216
7	Kinetic ballooning instability for substorm onset and current disruption observed by AMPTE/CCE. Geophysical Research Letters, 1998, 25, 4091-4094.	1.5	158
8	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
9	A current disruption mechanism in the neutral sheet: A possible trigger for substorm expansions. Geophysical Research Letters, 1990, 17, 745-748.	1.5	147
10	Is the dynamic magnetosphere an avalanching system?. Geophysical Research Letters, 2000, 27, 911-914.	1.5	135
11	Cluster observations of earthward flowing plasmoid in the tail. Geophysical Research Letters, 2004, 31, .	1.5	128
12	Quasi-linear analysis of ion Weibel instability in the Earth's neutral sheet. Journal of Geophysical Research, 1993, 98, 153-163.	3.3	94
13	AMPTE/CCE-SCATHA simultaneous observations of substorm-associated magnetic fluctuations. Journal of Geophysical Research, 1998, 103, 4671-4682.	3.3	89
14	Geotail observations of substorm onset in the inner magnetotail. Journal of Geophysical Research, 1998, 103, 103-117.	3.3	85
15	North-south structures in the midnight sector auroras as viewed by the Viking imager. Geophysical Research Letters, 1987, 14, 407-410.	1.5	83
16	Estimates of current changes in the geomagnetotail associated with a substorm. Geophysical Research Letters, 1978, 5, 853-856.	1.5	82
17	Magnetic dipolarization with substorm expansion onset. Journal of Geophysical Research, 2002, 107, SMP 23-1.	3.3	82
18	Characteristics of the cross-tail current in the Earth's magnetotail. Geophysical Monograph Series, 1984, , 158-170.	0.1	81

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19	Magnetic fluctuations associated with tail current disruption: Fractal analysis. <i>Journal of Geophysical Research</i> , 1995, 100, 19135.	3.3	81
20	On the location of auroral arcs near substorm onsets. <i>Journal of Geophysical Research</i> , 1978, 83, 3342-3348.	3.3	78
21	Time-frequency decomposition of signals in a current disruption event. <i>Geophysical Research Letters</i> , 1997, 24, 3157-3160.	1.5	76
22	Generalized lower-hybrid drift instabilities in current-sheet equilibrium. <i>Physics of Plasmas</i> , 2002, 9, 1526-1538.	0.7	69
23	The role of magnetic field fluctuations in nonadiabatic acceleration of ions during dipolarization. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	69
24	Geomagnetic activity triggered by interplanetary shocks. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	66
25	Wavy nature of the magnetotail neutral sheet. <i>Geophysical Research Letters</i> , 1978, 5, 279-282.	1.5	65
26	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.	3.3	62
27	Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009, 324, 1391-1391.	6.0	60
28	Extended Consideration of a Synthesis Model for Magnetospheric Substorms. <i>Geophysical Monograph Series</i> , 0, , 43-60.	0.1	60
29	Current controversies in magnetospheric physics. <i>Reviews of Geophysics</i> , 2001, 39, 535-563.	9.0	59
30	On the magnetic field fluctuations during magnetospheric tail current disruption: A statistical approach. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
31	Plasma and magnetic flux transport associated with auroral breakups. <i>Geophysical Research Letters</i> , 1998, 25, 4059-4062.	1.5	57
32	Inner magnetospheric plasma pressure distribution and its local time asymmetry. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	55
33	First Composition Measurements of Energetic Neutral Atoms. <i>Geophysical Research Letters</i> , 1996, 23, 2641-2644.	1.5	54
34	Empirical modeling of the quiet time nightside magnetosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 151.	3.3	53
35	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.	3.3	53
36	Near-Earth dipolarization: Evidence for a non-MHD process. <i>Geophysical Research Letters</i> , 1999, 26, 2905-2908.	1.5	52

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37	Model of ion- or electron-dominated current sheet. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	52
38	Plasma sheet $P^{5/3}$ and $n$ and associated plasma and energy transport for different convection strengths and $AE$ levels. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	52
39	Nonlinear analysis of generalized cross-field current instability. <i>Physics of Fluids B</i> , 1993, 5, 836-853.	1.7	48
40	Systematic study of plasma flow during plasma sheet thinnings. <i>Journal of Geophysical Research</i> , 1977, 82, 4815-4825.	3.3	47
41	Theory and simulation of Kelvin-Helmholtz instability in the geomagnetic tail. <i>Journal of Geophysical Research</i> , 1996, 101, 27327-27339.	3.3	47
42	A fresh perspective of the substorm current system and its dynamo. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	47
43	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
44	Flattened current sheet and its evolution in substorms. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	46
45	A class of exact two-dimensional kinetic current sheet equilibria. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	45
46	Response to Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009, 324, 1391-1391.	6.0	45
47	Data-derived forecasting model for relativistic electron intensity at geosynchronous orbit. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	44
48	Search for the magnetic neutral line in the near-Earth plasma sheet, 1. Critical reexamination of earlier studies on magnetic field observations. <i>Journal of Geophysical Research</i> , 1976, 81, 5934-5940.	3.3	43
49	Lower-hybrid-drift instability operative in the geomagnetic tail. <i>Physics of Plasmas</i> , 1994, 1, 3033-3043.	0.7	42
50	Energetic atomic and molecular ions of ionospheric origin observed in distant magnetotail flow-reversal events. <i>Geophysical Research Letters</i> , 1994, 21, 3023-3026.	1.5	42
51	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
52	On ionospheric trough conductance and subauroral polarization streams: Simulation results. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	41
53	Dayside auroral intensifications during an auroral substorm. <i>Geophysical Research Letters</i> , 1987, 14, 415-418.	1.5	40
54	The magnetosphere as a source of energetic magnetosheath ions. <i>Geophysical Research Letters</i> , 1987, 14, 1011-1014.	1.5	40

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55	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
56	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r = 4.6 R_E$ . <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40
57	A substorm model with onset location tied to an auroral arc. <i>Geophysical Research Letters</i> , 1998, 25, 1269-1272.	1.5	39
58	Empirical modeling of a CIR-driven magnetic storm. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
59	The topology of the auroral oval as seen by the Isis 2 scanning auroral photometer. <i>Journal of Geophysical Research</i> , 1975, 80, 1795-1804.	3.3	37
60	Nonlocal ion-Weibel instability in the geomagnetic tail. <i>Journal of Geophysical Research</i> , 1996, 101, 4899-4906.	3.3	37
61	Energetic O <sup>+</sup> and H <sup>+</sup> ions in the plasma sheet: Implications for the transport of ionospheric ions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	37
62	ISTP observations of plasmoid ejection: IMP 8 and Geotail. <i>Journal of Geophysical Research</i> , 1998, 103, 119-133.	3.3	36
63	Evolution of plasma sheet particle content under different interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	36
64	Sign-singularity analysis of current disruption. <i>Geophysical Research Letters</i> , 1999, 26, 1673-1676.	1.5	35
65	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.	3.3	35
66	AMPTE/CCE energetic particle composition measurements during the September 4, 1984 magnetic storm. <i>Geophysical Research Letters</i> , 1985, 12, 317-320.	1.5	34
67	Inverse cascade feature in current disruption. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
68	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
69	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
70	Particle injections with auroral expansions. <i>Journal of Geophysical Research</i> , 2001, 106, 5873-5881.	3.3	31
71	Magnetotail behavior during storm time "sawtooth injections". <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	31
72	Characteristics of 2-6 MeV electrons in the slot region and inner radiation belt. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	31

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73	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
74	Lower-hybrid-drift and modified-two-stream instabilities in current sheet equilibrium. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	30
75	Importance of auroral features in the search for substorm onset processes. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	30
76	A new insight on the cause of magnetic storms. <i>Geophysical Research Letters</i> , 2001, 28, 3413-3416.	1.5	29
77	Storm-time convection electric field in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	29
78	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
79	Effects of modeled ionospheric conductance and electron loss on self-consistent ring current simulations during the 7 April 2010 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5355-5376.	0.8	29
80	Near-Earth substorm features from multiple satellite observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
81	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.	3.3	26
82	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
83	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
84	Relationship between Region 2 field-aligned current and the ring current: Model results. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	24
85	Reconstruction of a magnetic flux rope from THEMIS observations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	24
86	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016, 43, 5597-5605.	1.5	24
87	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
88	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
89	Quasi-linear theory of anomalous resistivity. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	22
90	Cluster observation of plasma flow reversal in the magnetotail during a substorm. <i>Annales Geophysicae</i> , 2006, 24, 2005-2013.	0.6	22

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91	Internal structure of a magnetic flux rope from Cluster observations. Geophysical Research Letters, 2007, 34, .	1.5	22
92	Two fundamentally different drivers of dipolarizations at Saturn. Journal of Geophysical Research: Space Physics, 2017, 122, 4348-4356.	0.8	22
93	Magnetopause encounters in the magnetotail at distances of $\sim 1/480$ Re. Geophysical Research Letters, 1994, 21, 3007-3010.	1.5	20
94	A flux rope followed by recurring encounters with traveling compression regions: GEOTAIL observations. Geophysical Research Letters, 1994, 21, 2891-2894.	1.5	20
95	Acceleration of Energetic Oxygen ( $E > 137$ KEV) in the Storm-Time Ring Current. Geophysical Monograph Series, 2013, , 149-152.	0.1	20
96	Regions of ion energization observed during the Galaxy $\sim 1.5$ substorm with TWINS. Journal of Geophysical Research: Space Physics, 2014, 119, 8274-8287.	0.8	19
97	Two classes of earthward fast flows in the plasma sheet. Journal of Geophysical Research, 2008, 113, .	3.3	18
98	A transient narrow poleward extrusion from the diffuse aurora and the concurrent magnetotail activity. Journal of Geophysical Research, 2010, 115, .	3.3	18
99	Method for inferring the axis orientation of cylindrical magnetic flux rope based on single-point measurement. Journal of Geophysical Research: Space Physics, 2013, 118, 271-283.	0.8	18
100	Electric current approach to magnetospheric physics and the distinction between current disruption and magnetic reconnection. Geophysical Monograph Series, 2000, , 31-40.	0.1	17
101	Undulations on the equatorward edge of the diffuse proton aurora: TIMED/GUVI observations. Journal of Geophysical Research, 2005, 110, .	3.3	17
102	Theory and simulation of lower-hybrid drift instability for current sheet with guide field. Physics of Plasmas, 2008, 15, .	0.7	17
103	Identification of plasma instability from wavelet spectra in a current disruption event. Journal of Geophysical Research, 2009, 114, .	3.3	17
104	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
105	Dipolarization fronts and magnetic flux transport. Geoscience Letters, 2015, 2, .	1.3	17
106	The Distribution of Two Flapping Types of Magnetotail Current Sheet: Implication for the Flapping Mechanism. Journal of Geophysical Research: Space Physics, 2018, 123, 7413-7423.	0.8	17
107	Tailward energetic ion streams observed at $\sim 1/4$ 100 RE by GEOTAIL-EPIC associated with geomagnetic activity intensification. Geophysical Research Letters, 1994, 21, 3015-3018.	1.5	16
108	On the current sheet model with $\hat{n}$ distribution. Physics of Plasmas, 2006, 13, 102108.	0.7	16

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109	Turbulent processes in the Earth's magnetotail: spectral and statistical research. <i>Annales Geophysicae</i> , 2018, 36, 1303-1318.	0.6	16
110	Current-driven instabilities in forced current sheets. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	15
111	Cross-tail current evolution during substorm dipolarization. <i>Annales Geophysicae</i> , 2013, 31, 1131-1142.	0.6	15
112	Critical Issues on Magnetic Reconnection in Space Plasmas. <i>Space Science Reviews</i> , 2005, 116, 497-521.	3.7	14
113	Reply to comment by V. GÃ©not on "A class of exact two-dimensional kinetic current sheet equilibria" <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	14
114	Polar rain aurora. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	14
115	Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
116	Reconstruction of a flux transfer event based on observations from five THEMIS satellites. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
117	Cross-field current instability for auroral bead formation in breakup arcs. <i>Geophysical Research Letters</i> , 2016, 43, 6087-6095.	1.5	14
118	Grad-Shafranov Reconstruction of Magnetic Flux Ropes in the Near-Earth Space. <i>Space Science Reviews</i> , 2011, 158, 43-68.	3.7	13
119	On the Initial motion of artificial comets in the AMPTE releases. <i>Geophysical Research Letters</i> , 1986, 13, 925-927.	1.5	12
120	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
121	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
122	Modified magnetohydrodynamic waves in a current sheet in space. <i>Physics of Plasmas</i> , 1997, 4, 4382-4387.	0.7	11
123	Ring current intensification and convection-driven negative bays: Multisatellite studies. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	10
124	Observations of energetic neutral oxygen by IMAGE/HENA and Geotail/EPIC. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	10
125	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
126	Electron source associated with dipolarization at the outer boundary of the radiation belts: Non-storm cases. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	10

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127	Responses of different ion species to fast plasma flows and local dipolarization in the plasma sheet. Journal of Geophysical Research: Space Physics, 2015, 120, 187-200.	0.8	10
128	A 2-D empirical plasma sheet pressure model for substorm growth phase using the Support Vector Regression Machine. Journal of Geophysical Research: Space Physics, 2015, 120, 1957-1973.	0.8	10
129	An explanation of auroral intensification during the substorm expansion phase. Journal of Geophysical Research: Space Physics, 2017, 122, 8560-8576.	0.8	10
130	Growth and evolution of a plasmoid associated with a small, isolated substorm: IMP 8 and GEOTAIL measurements in the magnetotail. Geophysical Research Letters, 1995, 22, 3011-3014.	1.5	9
131	Dipolarization front and current disruption. Geophysical Research Letters, 2016, 43, 10,050.	1.5	9
132	Anisotropic Vorticity Within Bursty Bulk Flow Turbulence. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028255.	0.8	9
133	Detailed Observations of a Burst of Energetic Particles in the Deep Magnetotail by Geotail. Journal of Geomagnetism and Geoelectricity, 1996, 48, 649-656.	0.8	9
134	Ion composition and charge state of energetic particles in flux ropes/plasmoids. Journal of Geophysical Research, 1998, 103, 4467-4475.	3.3	8
135	A substorm-associated drift echo of energetic protons observed by Geotail: Radial density gradient structure. Geophysical Research Letters, 2003, 30, .	1.5	8
136	A new technique for short-term forecast of auroral activity. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	8
137	Plasma transport from multicomponent approach. Geophysical Research Letters, 2005, 32, .	1.5	8
138	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
139	Evaluation of the Cross-Field Current Instability as a Substorm Onset Process With Auroral Bead Properties. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027867.	0.8	8
140	Parameter extraction of source plasma from observed particle velocity distribution. Geophysical Research Letters, 2006, 33, .	1.5	7
141	Lower-hybrid drift and Buneman instabilities in current sheets with guide field. Physics of Plasmas, 2008, 15, .	0.7	7
142	Obliquely propagating electromagnetic drift ion cyclotron instability. Journal of Geophysical Research, 2010, 115, .	3.3	7
143	Revisiting the role of magnetic field fluctuations in nonadiabatic acceleration of ions during dipolarization. Journal of Geophysical Research, 2012, 117, .	3.3	7
144	Magnetospheric substorms. Physics of Fluids B, 1992, 4, 2257-2263.	1.7	6

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145	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
146	Evidence suggests internal triggering of substorms. <i>Eos</i> , 1996, 77, 87-88.	0.1	6
147	Prelude to THEMIS tail conjunction study. <i>Annales Geophysicae</i> , 2007, 25, 1001-1009.	0.6	6
148	Viewing perspective in energetic neutral atom intensity. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	6
149	Effects of plasma sheet properties on storm-time ring current. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	6
150	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
151	Effects of magnetized ions on the lower-hybrid-drift instability. <i>Physics of Plasmas</i> , 2003, 10, 4260-4264.	0.7	5
152	Convection electric field in the near-Earth tail during the super magnetic storm of November 20 <sup>st</sup> 2003. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	5
153	Phase Space Density Analysis of Energy Transport in the Earth's Magnetotail. <i>Space Science Reviews</i> , 2006, 122, 69-80.	3.7	5
154	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.	0.1	5
155	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
156	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
157	Electron dynamics in the current disruption region. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 22-1.	3.3	4
158	Global two-fluid stability of bifurcated current sheets. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	4
159	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
160	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
161	Temporal evolutions of the solar wind conditions at 1 <sup>st</sup> 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
162	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

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163	Vorticity Within Bursty Bulk Flows: Convective Versus Kinetic. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
164	A filament of energetic particles near the high-latitude dawn magnetopause. Geophysical Research Letters, 1994, 21, 3011-3014.	1.5	3
165	Ionospheric signature of a magnetic flux rope in the magnetotail. Geophysical Research Letters, 1998, 25, 3733-3736.	1.5	3
166	Auroral electrojet activity associated with fast plasma flows in the magnetotail. Geophysical Research Letters, 2000, 27, 3245-3248.	1.5	3
167	Distribution of O <sup>+</sup> ions in the plasma sheet and locations of substorm onsets. Journal of Geophysical Research, 2010, 115, .	3.3	3
168	First satellite imaging of auroral pulsations by the Fast Auroral Imager on eâ€œPOPâ€œ. Geophysical Research Letters, 2015, 42, 6877-6882.	1.5	3
169	A Brief Review of Space Weather Disturbances. Terrestrial, Atmospheric and Oceanic Sciences, 2003, 14, 221.	0.3	3
170	A Statistical Study on Wideâ€œAmplitude Kinetic AlfvÃ©nic Pulse at 8â€œ12<i>R</i><sub><i>E</i></sub> in the Magnetotail by THEMIS Spacecraft From 2008 to 2010. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	3
171	Fast Fermi acceleration in the plasma sheet boundary layer. Geophysical Research Letters, 1989, 16, 1125-1128.	1.5	2
172	Observed features in current disruption and their implications to existing theories. Geophysical Monograph Series, 1995, , 149-162.	0.1	2
173	An unusual nightside distortion of the auroral oval: TIMED/GUVI and IMAGE/FUV observations. Journal of Geophysical Research, 2006, 111, .	3.3	2
174	Statistical analysis of plasma turbulence based on satellite magnetic field measurements. Kinematics and Physics of Celestial Bodies, 2008, 24, 209-214.	0.2	2
175	Pressure gradient effect on a particle velocity distribution. Geophysical Research Letters, 2009, 36, .	1.5	2
176	Comparison of current disruption and magnetic reconnection. Geoscience Letters, 2015, 2, .	1.3	2
177	Processes in the Current Disruption Region: From Turbulence to Dispersion Relation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028404.	0.8	2
178	Micro/mesoscale coupling in magnetotail current sheet: Observations. Geophysical Monograph Series, 1995, , 261-274.	0.1	1
179	Pervasive small-scale enhancements in mantle and polar rain precipitation. Geophysical Research Letters, 1995, 22, 3263-3266.	1.5	1
180	Reply to comment by Y. I. Feldstein, V. G. Vorobjev, and V. L. Zverev on â€œThe importance of auroral features in the search for substorm onset processâ€œ. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	1

#	ARTICLE	IF	CITATIONS
181	Energy source for auroral electrons from two proposed substorm onset processes. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	1
182	Study of an Isolated Substorm with ISTP Data. Geophysical Monograph Series, 2013, , 261-274.	0.1	1
183	Comparison of energetic electron intensities outside and inside the radiation belts. Journal of Geophysical Research: Space Physics, 2014, 119, 6213-6230.	0.8	1
184	Extended Consideration of a Synthesis Model for Magnetospheric Substorms. , 0, .		1
185	DYNAMICS OF THE EARTH'S MAGNETOSPHERE FROM SOME MODERN DATA ANALYSIS TOOLS. , 0, , 393-414.		0
186	Comment [on "The Parker Challenge"]. Eos, 2002, 83, 460-460.	0.1	0
187	Forecast of auroral activity. Physics of Plasmas, 2004, 11, 1339-1344.	0.7	0
188	Energy transfer in the Earth-Sun System. Eos, 2007, 88, 98-98.	0.1	0
189	Reply to comment by R. J. Strangeway on "Pressure gradient effect on a particle velocity distribution". Geophysical Research Letters, 2010, 37, .	1.5	0
190	Particle Acceleration and Current Disruption from the Cross-Field Current Instability. Geophysical Monograph Series, 0, , 125-137.	0.1	0
191	Reconstruction of solar wind features that caused a super geomagnetic storm. , 2013, , .		0
192	Dynamics of the Earth's magnetotail in substorms: Impact of kinetic effects. , 2014, , .		0
193	THE PRACTICAL ASPECT OF SPACE WEATHER RESEARCH. , 2002, , .		0
194	Grad-Shafranov Reconstruction of Magnetic Flux Ropes in the Near-Earth Space. , 2011, , 43-68.		0
195	Application of statistical and spectral analysis for investigation of the turbulent processes in the magnetohydrodynamics. AIP Conference Proceedings, 2020, , .	0.3	0