

# Victor A Sergeev

## List of Publications by Year in descending order

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196  
papers

9,825  
citations

30551

56  
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48101

92  
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200  
docs citations

200  
times ranked

2205  
citing authors

#	ARTICLE	IF	CITATIONS
1	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral X-Line. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028694.	0.8	5
2	Superthermal Proton and Electron Fluxes in the Plasma Sheet Transition Region and Their Dependence on Solar Wind Parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028580.	0.8	14
3	Ionospheric Electron Density and Conductance Changes in the Auroral Zone During Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029572.	0.8	4
4	Manifestations of Magnetotail Flow Channels in Energetic Particle Signatures at Low-Altitude Orbit. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093543.	1.5	3
5	Remote Sensing of Magnetic Reconnection in the Magnetotail Using In Situ Multipoint Observations at the Plasma Sheet Boundary Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	4
6	Thin Current Sheet Behind the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029518.	0.8	8
7	Study of Substorm-Related Auroral Absorption: Latitudinal Width and Factors Affecting the Peak Intensity of Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029779.	0.8	1
8	On the source region and orientations of nightside auroral arcs. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 204, 105288.	0.6	2
9	The ELFIN Mission. <i>Space Science Reviews</i> , 2020, 216, 103.	3.7	47
10	Physical Processes of Meso-Scale, Dynamic Auroral Forms. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	23
11	Toward the Reconstruction of Substorm-Related Dynamical Pattern of the Radiowave Auroral Absorption. <i>Space Weather</i> , 2020, 18, e2019SW002385.	1.3	8
12	Substorm-Related Near-Earth Reconnection Surge: Combining Telescopic and Microscopic Views. <i>Geophysical Research Letters</i> , 2019, 46, 6239-6247.	1.5	1
13	Explosive Magnetotail Activity. <i>Space Science Reviews</i> , 2019, 215, 31.	3.7	75
14	On the Evaluation of Data Quality in the OMNI Interplanetary Magnetic Field Database. <i>Space Weather</i> , 2019, 17, 476-486.	1.3	22
15	Testing Efficiency of Empirical, Adaptive, and Global MHD Magnetospheric Models to Represent the Geomagnetic Field in a Variety of Conditions. <i>Space Weather</i> , 2019, 17, 672-686.	1.3	11
16	Formation of 30-KeV Proton Isotropic Boundaries During Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3436-3459.	0.8	18
17	Solar wind dependence of electric conductances and currents in the auroral zone. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 177, 38-45.	0.6	2
18	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1260-1278.	0.8	32

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19	Does a Local Bâ€Minimum Appear in the Tail Current Sheet During a Substorm Growth Phase?. Geophysical Research Letters, 2018, 45, 2566-2573.	1.5	30
20	Magnetotail Configuration During a Steady Convection Event as Observed by Lowâ€Altitude and Magnetospheric Spacecraft. Journal of Geophysical Research: Space Physics, 2018, 123, 8390-8406.	0.8	4
21	Diagnostics of Closed Magnetic Flux Depletion in the Nearâ€Earth Magnetotail During the Substorm Growth Phase. Journal of Geophysical Research: Space Physics, 2018, 123, 8377-8389.	0.8	2
22	Jets Downstream of Collisionless Shocks. Space Science Reviews, 2018, 214, 1.	3.7	101
23	The substorm cycle as reproduced by global MHD models. Space Weather, 2017, 15, 131-149.	1.3	17
24	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 10891-10909.	0.8	17
25	On the origin of plasma sheet reconfiguration during the substorm growth phase. Geophysical Research Letters, 2017, 44, 8696-8702.	1.5	21
26	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. Earth, Planets and Space, 2017, 69, 129.	0.9	15
27	Transient, smallâ€scale fieldâ€aligned currents in the plasma sheet boundary layer during storm time substorms. Geophysical Research Letters, 2016, 43, 4841-4849.	1.5	30
28	Magnetotail magnetic flux monitoring based on simultaneous solar wind and magnetotail observations. Journal of Geophysical Research: Space Physics, 2016, 121, 8821-8839.	0.8	10
29	Modulation of the substorm current wedge by bursty bulk flows: 8 September 2002â€Revisited. Journal of Geophysical Research: Space Physics, 2016, 121, 4466-4482.	0.8	14
30	Assessing the performance of communityâ€available global MHD models using key system parameters and empirical relationships. Space Weather, 2015, 13, 868-884.	1.3	40
31	Three-dimensional current systems and ionospheric effects associated with small dipolarization fronts. Journal of Geophysical Research: Space Physics, 2015, 120, 3739-3757.	0.8	16
32	On the plasma sheet dependence on solar wind and substorms and its role in magnetosphere-ionosphere coupling. Earth, Planets and Space, 2015, 67, .	0.9	16
33	Asymmetric magnetospheric compressions and expansions in response to impact of inclined interplanetary shock. Geophysical Research Letters, 2015, 42, 4716-4722.	1.5	23
34	Energyâ€latitude dispersion patterns near the isotropy boundaries of energetic protons. Annales Geophysicae, 2015, 33, 1059-1070.	0.6	16
35	Magnetospheric conditions near the equatorial footpoints of proton isotropy boundaries. Annales Geophysicae, 2015, 33, 1485-1493.	0.6	9
36	A quantitative study of magnetospheric magnetic field line deformation by a two-loop substorm current wedge. Annales Geophysicae, 2015, 33, 505-517.	0.6	6

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37	Substorm Current Wedge Revisited. <i>Space Science Reviews</i> , 2015, 190, 1-46.	3.7	184
38	A missing variable in solar windâ€magnetosphereâ€ionosphere coupling studies. <i>Geophysical Research Letters</i> , 2014, 41, 8215-8220.	1.5	14
39	Event study combining magnetospheric and ionospheric perspectives of the substorm current wedge modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9714-9728.	0.8	15
40	How to distinguish between kink and sausage modes in flapping oscillations?. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3002-3015.	0.8	13
41	Testing a twoâ€loop pattern of the substorm current wedge (SCW2L). <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 947-963.	0.8	55
42	Diamagnetic oscillations ahead of stopped dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1643-1657.	0.8	35
43	Stopping flow bursts and their role in the generation of the substorm current wedge. <i>Geophysical Research Letters</i> , 2014, 41, 1106-1112.	1.5	36
44	On the conditions preceding sudden magnetotail magnetic flux unloading. <i>Geophysical Research Letters</i> , 2014, 41, 1093-1099.	1.5	16
45	Period and damping factor of $P<i>P</i><i>i</i>^2$ pulsations during oscillatory flow braking in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4512-4520.	0.8	20
46	On the increasing oscillation period of flows at the tailward retreating flux pileup region during dipolarization. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6603-6611.	0.8	10
47	Ionospheric response to oscillatory flow braking in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1529-1544.	0.8	25
48	Verification of the GUMICSâ€4 global MHD code using empirical relationships. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3138-3146.	0.8	11
49	Oscillatory flow braking in the magnetotail: THEMIS statistics. <i>Geophysical Research Letters</i> , 2013, 40, 2505-2510.	1.5	30
50	Pitch angle distribution of suprathermal electrons behind dipolarization fronts: A statistical overview. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	136
51	Observations of kinetic ballooning/interchange instability signatures in the magnetotail. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	62
52	Energetic particle injections to geostationary orbit: Relationship to flow bursts and magnetospheric state. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	63
53	Magnetospheric location of the equatorward prebreakup arc. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	76
54	Recent advances in understanding substorm dynamics. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	129

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55	Kinetic ballooning/interchange instability in a bent plasma sheet. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	41
56	Time-dependent magnetospheric configuration and breakup mapping during a substorm. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	56
57	On the nature of precursor flows upstream of advancing dipolarization fronts. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	73
58	Can flow bursts penetrate into the inner magnetosphere?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	93
59	Magnetic effects of the substorm current wedge in a "spread-out wire" model and their comparison with ground, geosynchronous, and tail lobe data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	54
60	Contribution of magnetotail reconnection to the cross-polar cap electric potential drop. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	20
61	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	63
62	Dipolarization fronts in the magnetotail plasma sheet. <i>Planetary and Space Science</i> , 2011, 59, 517-525.	0.9	73
63	Comparison of magnetotail magnetic flux estimates based on global auroral images and simultaneous solar wind "magnetotail measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 1282-1291.	0.6	4
64	Auroral signatures of the plasma injection and dipolarization in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	12
65	Estimation of magnetosphere-ionosphere mapping accuracy using isotropy boundary and THEMIS observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
66	Accelerated ions ahead of earthward propagating dipolarization fronts. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	153
67	Corrigendum to "Time-varying magnetotail magnetic flux calculation: a test of the method" published in <i>Ann. Geophys.</i> , 27, 1583-1591, 2009. <i>Annales Geophysicae</i> , 2010, 28, 415-415. <sup>0.6</sup>		0
68	Plasma sheet thickness during a bursty bulk flow reversal. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
69	Pressure and entropy changes in the flow-braking region during magnetic field dipolarization. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
70	Global properties of magnetotail current sheet flapping: THEMIS perspectives. <i>Annales Geophysicae</i> , 2009, 27, 319-328.	0.6	51
71	Radial propagation velocity of energetic particle injections according to measurements onboard the Cluster satellites. <i>Cosmic Research</i> , 2009, 47, 22-28.	0.2	0
72	THEMIS observations of an earthward-propagating dipolarization front. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	523

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73	Kinetic structure of the sharp injection/dipolarization front in the flowâ€breaking region. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	219
74	Toward adapted timeâ€dependent magnetospheric models: A simple approach based on tuning the standard model. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	47
75	First Results from the THEMIS Mission. , 2009, , 453-476.		7
76	Time-varying magnetotail magnetic flux calculation: a test of the method. <i>Annales Geophysicae</i> , 2009, 27, 1583-1591.	0.6	17
77	First Results from the THEMIS Mission. <i>Space Science Reviews</i> , 2008, 141, 453-476.	3.7	171
78	Topology of magnetic flux ropes in the magnetospheric plasma sheet as measured by the Geotail spacecraft. <i>Cosmic Research</i> , 2008, 46, 387-391.	0.2	15
79	Observations of an active thin current sheet. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
80	Study of reconnectionâ€associated multiscale fluctuations with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	8
81	Study of nearâ€Earth reconnection events with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	59
82	Simultaneous THEMIS observations in the nearâ€tail portion of the inner and outer plasma sheet flux tubes at substorm onset. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
83	Transient and localized processes in the magnetotail: a review. <i>Annales Geophysicae</i> , 2008, 26, 955-1006.	0.6	112
84	Ionospheric signatures during a magnetospheric flux rope event. <i>Annales Geophysicae</i> , 2008, 26, 3967-3977.	0.6	3
85	Dynamical response of the magnetotail to changes of the solar wind direction: an MHD modeling perspective. <i>Annales Geophysicae</i> , 2008, 26, 2395-2402.	0.6	24
86	Conjugate observation of sharp dynamical boundary in the inner magnetosphere by Cluster and DMSP spacecraft and ground network. <i>Annales Geophysicae</i> , 2008, 26, 2771-2780.	0.6	5
87	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , 2007, 25, 801-814.	0.6	88
88	Observation of repeated intense near-Earth reconnection on closed field lines with Cluster, Double Star, and other spacecraft. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	32
89	Reconstruction of the reconnection rate from Cluster measurements: Method improvements. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	8
90	Reconstruction of a bipolar magnetic signature in an earthward jet in the tail: Flux rope or 3D guideâ€field reconnection?. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	32

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91	Remote sensing of a magnetotail reconnection X-line using polar rain electrons. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	15
92	Local structure of the magnetotail current sheet: 2001 Cluster observations. <i>Annales Geophysicae</i> , 2006, 24, 247-262.	0.6	220
93	Survey of large-amplitude flapping motions in the midtail current sheet. <i>Annales Geophysicae</i> , 2006, 24, 2015-2024.	0.6	112
94	A statistical survey of the magnetotail current sheet. <i>Advances in Space Research</i> , 2006, 38, 1834-1837.	1.2	16
95	A reconstruction method for the reconnection rate applied to Cluster magnetotail measurements. <i>Advances in Space Research</i> , 2006, 37, 1388-1393.	1.2	4
96	Association of Pi2 pulsations and pulsed reconnection: ground and Cluster observations in the tail lobe at 16 $\mu$ s. <i>Annales Geophysicae</i> , 2006, 24, 3433-3449.	0.6	30
97	Reconstruction of the magnetotail current sheet structure using multi-point Cluster measurements. <i>Planetary and Space Science</i> , 2005, 53, 237-243.	0.9	74
98	Statistical study of the proton isotropy boundary. <i>Annales Geophysicae</i> , 2005, 23, 1311-1316.	0.6	14
99	Electric current and magnetic field geometry in flapping magnetotail current sheets. <i>Annales Geophysicae</i> , 2005, 23, 1391-1403.	0.6	171
100	Double Star/Cluster observation of neutral sheet oscillations on 5 August 2004. <i>Annales Geophysicae</i> , 2005, 23, 2909-2914.	0.6	58
101	Proton isotropy boundaries as measured on mid- and low-altitude satellites. <i>Annales Geophysicae</i> , 2005, 23, 1839-1847.	0.6	25
102	Bursty Bulk Flows and Their Ionospheric Footprints. , 2005, , 289-306.		9
103	Transition from substorm growth to substorm expansion phase as observed with a radial configuration of ISTP and Cluster spacecraft. <i>Annales Geophysicae</i> , 2005, 23, 2183-2198.	0.6	33
104	Observational evidence of the loading-unloading substorm scheme. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	38
105	Reconstruction of the reconnection rate from Cluster measurements: First results. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	39
106	Evaluation of the geometry of ionospheric current systems related to rapid geomagnetic variations. <i>Annales Geophysicae</i> , 2004, 22, 63-72.	0.6	21
107	Properties of a bifurcated current sheet observed on 29 August 2001. <i>Annales Geophysicae</i> , 2004, 22, 2535-2540.	0.6	24
108	Orientation and propagation of current sheet oscillations. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	128

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109	New properties of energy-dispersed ions in the plasma sheet boundary layer observed by Cluster. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	32
110	Auroral streamers: characteristics of associated precipitation, convection and field-aligned currents. <i>Annales Geophysicae</i> , 2004, 22, 537-548.	0.6	89
111	Quantitative magnetotail characteristics of different magnetospheric states. <i>Annales Geophysicae</i> , 2004, 22, 1019-1032.	0.6	40
112	Average characteristics of the midtail plasma sheet in different dynamic regimes of the magnetosphere. <i>Annales Geophysicae</i> , 2004, 22, 2107-2113.	0.6	17
113	Locations of proton isotropic boundaries as measured by conjugate high-altitude and low-altitude satellites. <i>Advances in Space Research</i> , 2003, 31, 1265-1270.	1.2	0
114	Current sheet flapping motion and structure observed by Cluster. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	196
115	Evidence of near-Earth breakup location. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	45
116	Bursty bulk flow intrusion to the inner plasma sheet as inferred from auroral observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	46
117	Sharp boundary between the inner magnetosphere and active outer plasma sheet. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	13
118	Constructing the magnetospheric model including pressure measurements. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 4-1.	3.3	21
119	On the remote sensing of plasma sheet from low-altitude spacecraft. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 567-572.	0.6	9
120	Timing and location of phenomena during auroral breakup: A case study. <i>Advances in Space Research</i> , 2002, 30, 1775-1778.	1.2	6
121	Magnetotail effects of slanted solar wind pressure discontinuities. <i>Advances in Space Research</i> , 2002, 30, 1825-1828.	1.2	0
122	Auroral signatures of transient processes in the outer magnetosphere. <i>Advances in Space Research</i> , 2002, 30, 2701-2711.	1.2	3
123	Flow bursts and auroral activations: Onset timing and foot point location. <i>Journal of Geophysical Research</i> , 2001, 106, 10777-10789.	3.3	128
124	Earthward flow bursts, auroral streamers, and small expansions. <i>Journal of Geophysical Research</i> , 2001, 106, 10791-10802.	3.3	257
125	Substorm and convection bay compared: Auroral and magnetotail dynamics during convection bay. <i>Journal of Geophysical Research</i> , 2001, 106, 18843-18855.	3.3	53
126	Rapid flux transport in the central plasma sheet. <i>Journal of Geophysical Research</i> , 2001, 106, 301-313.	3.3	115



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127	Bi-directional electron distributions associated with near-tail flux transport. Geophysical Research Letters, 2001, 28, 3813-3816.	1.5	20
128	Correlated Interball/ground-based observations of isolated substorm: The pseudobreakup phase. Annales Geophysicae, 2001, 19, 687-698.	0.6	13
129	Multi-spacecraft observations of series of substorms on December 22â€“23, 1996. Advances in Space Research, 2000, 25, 1697-1701.	1.2	0
130	Entry of plasma sheet particles into the inner magnetosphere as observed by Polar/CAMMICE. Journal of Geophysical Research, 2000, 105, 25205-25219.	3.3	46
131	Multiple-spacecraft observation of a narrow transient plasma jet in the Earth's plasma sheet. Geophysical Research Letters, 2000, 27, 851-854.	1.5	172
132	Plasma sheet ion injections into the auroral bulge: Correlative study of spacecraft and ground observations. Journal of Geophysical Research, 2000, 105, 18465-18481.	3.3	37
133	Ionospheric current signatures of transient plasma sheet flows. Journal of Geophysical Research, 2000, 105, 10677-10690.	3.3	87
134	Solar wind induced processes in the magnetotail. Journal of Atmospheric and Solar-Terrestrial Physics, 1999, 61, 119-126.	0.6	1
135	Two spacecraft observation of plasma sheet convection jet during continuous external driving. Geophysical Research Letters, 1999, 26, 177-180.	1.5	9
136	Development of auroral streamers in association with localized impulsive injections to the inner magnetotail. Geophysical Research Letters, 1999, 26, 417-420.	1.5	153
137	Characteristics of pseudobreakups and substorms observed in the ionosphere, at the geosynchronous orbit, and in the midtail. Journal of Geophysical Research, 1999, 104, 12263-12287.	3.3	45
138	Hybrid Input Algorithm: An event-oriented magnetospheric model. Journal of Geophysical Research, 1999, 104, 24977-24993.	3.3	65
139	Sporadic plasma sheet ion injections into the high-altitude auroral bulge: Satellite observations. Journal of Geophysical Research, 1999, 104, 28565-28586.	3.3	53
140	Two spacecraft observations of a reconnection pulse during an auroral breakup. Journal of Geophysical Research, 1998, 103, 47-59.	3.3	84
141	Characterizing the state of the magnetosphere: Testing the ion precipitation maxima latitude (b <sub>2i</sub> ) and the ion isotropy boundary. Journal of Geophysical Research, 1998, 103, 4739-4745.	3.3	100
142	Event study of deep energetic particle injections during substorm. Journal of Geophysical Research, 1998, 103, 9217-9234.	3.3	67
143	Short-duration convection bays and localized interplanetary magnetic field structures on November 28, 1995. Journal of Geophysical Research, 1998, 103, 23593-23609.	3.3	17
144	Current sheet measurements within a flapping plasma sheet. Journal of Geophysical Research, 1998, 103, 9177-9187.	3.3	119

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145	Continuous Activity and Substorm Activations during a Weak Magnetic Storm (Wind Tail Passage). Astrophysics and Space Science Library, 1998, , 681-684.	1.0	4
146	Orientation of Solar Wind Discontinuities: Implications for Substorm Studies. Astrophysics and Space Science Library, 1998, , 277-281.	1.0	2
147	Substorm Onset Models and Observations. Astrophysics and Space Science Library, 1998, , 327-330.	1.0	1
148	Particle Boundaries During a Solar Electron Event. , 1998, , 355-367.		3
149	Long lasting energetic proton precipitation in the inner magnetosphere after substorms. Journal of Geophysical Research, 1997, 102, 24333-24338.	3.3	25
150	Magnetospheric source region of discrete auroras inferred from their relationship with isotropy boundaries of energetic particles. Annales Geophysicae, 1997, 15, 943-958.	0.6	59
151	Dayside isotropic precipitation of energetic protons. Annales Geophysicae, 1997, 15, 1233-1245.	0.6	21
152	On the relationship between parameters of substorm current wedge and westward electrojet. Advances in Space Research, 1997, 20, 477-480.	1.2	2
153	Comparison of UV optical signatures with the substorm current wedge as predicted by an inversion algorithm. Journal of Geophysical Research, 1996, 101, 2615-2627.	3.3	36
154	Coupled-mode scenario for the magnetospheric dynamics. Journal of Geophysical Research, 1996, 101, 13047-13065.	3.3	103
155	Spontaneous substorm onset during a prolonged period of steady, southward interplanetary magnetic field. Journal of Geophysical Research, 1996, 101, 24583-24598.	3.3	11
156	Detection of localized, plasma-depleted flux tubes or bubbles in the midtail plasma sheet. Journal of Geophysical Research, 1996, 101, 10817-10826.	3.3	284
157	Nighttime patterns of ionospheric convection, conductance, horizontal and field-aligned currents during a steady magnetospheric convection event. Journal of Atmospheric and Solar-Terrestrial Physics, 1996, 58, 107-119.	0.9	4
158	Physical modelling and experimental investigation of the abrupt afternoon decrease of Cosmic Noise Absorption. Advances in Space Research, 1996, 17, 147-150.	1.2	3
159	Simultaneous satellite and ground-based observations of polar cap aurora. Advances in Space Research, 1996, 18, 111-114.	1.2	2
160	Use of mid-latitude magnetic data for modelling and diagnostics of magnetospheric substorms. Advances in Space Research, 1996, 18, 229-232.	1.2	6
161	Energetic Particles as tracers of magnetospheric configuration. Advances in Space Research, 1996, 18, 161-170.	1.2	4
162	MT-index " A possible new index to characterize the configuration of the magnetotail. Advances in Space Research, 1996, 18, 51-54.	1.2	7

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163	Steady magnetospheric convection: A review of recent results. <i>Space Science Reviews</i> , 1996, 75, 551-604.	3.7	231
164	Low Altitude Image of Particle Acceleration and Magnetospheric Reconfiguration at Substorm Onset. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 877-885.	0.8	12
165	MT-index $\alpha^*$ a possible new index to characterize the magnetic configuration of magnetotail. <i>Annales Geophysicae</i> , 1995, 13, 1093-1103.	0.6	18
166	Observations in the vicinity of substorm onset: Implications for the substorm process. <i>Journal of Geophysical Research</i> , 1995, 100, 7937.	3.3	116
167	In situ observations of magnetotail reconnection prior to the onset of a small substorm. <i>Journal of Geophysical Research</i> , 1995, 100, 19121.	3.3	72
168	MT-index $\alpha^*$ a possible new index to characterize the magnetic configuration of magnetotail. <i>Annales Geophysicae</i> , 1995, 13, 1093.	0.6	5
169	Features of steady magnetospheric convection. <i>Journal of Geophysical Research</i> , 1994, 99, 4039.	3.3	81
170	Hybrid state of the tail magnetic configuration during steady convection events. <i>Journal of Geophysical Research</i> , 1994, 99, 23571.	3.3	65
171	Particle dispersion at the nightside boundary of the polar cap. <i>Journal of Geophysical Research</i> , 1993, 98, 233-241.	3.3	13
172	Testing the isotropic boundary algorithm method to evaluate the magnetic field configuration in the tail. <i>Journal of Geophysical Research</i> , 1993, 98, 7609-7620.	3.3	192
173	Structure of the tail plasma/current sheet at $\sim 11 R_E$ and its changes in the course of a substorm. <i>Journal of Geophysical Research</i> , 1993, 98, 17345-17365.	3.3	246
174	Drifting holes in the energetic electron flux at geosynchronous orbit following substorm onset. <i>Journal of Geophysical Research</i> , 1992, 97, 6541-6548.	3.3	33
175	A two-satellite study of nightside flux transfer events in the plasma sheet. <i>Planetary and Space Science</i> , 1992, 40, 1551-1572.	0.9	102
176	Structure of the inner plasma sheet at midnight during steady convection. <i>Planetary and Space Science</i> , 1991, 39, 1083-1096.	0.9	10
177	Non-substorm transient injection events in the ionosphere and magnetosphere. <i>Planetary and Space Science</i> , 1990, 38, 231-239.	0.9	48
178	Average patterns of precipitation and plasma flow in the plasma sheet flux tubes during steady magnetospheric convection. <i>Planetary and Space Science</i> , 1990, 38, 355-363.	0.9	23
179	Current sheet thickness in the near-Earth plasma sheet during substorm growth phase. <i>Journal of Geophysical Research</i> , 1990, 95, 3819-3828.	3.3	149
180	Polar cap and cusp boundaries at day and night.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1990, 42, 683-695.	0.8	12

#	ARTICLE	IF	CITATIONS
181	Plasma sheet at X ≈ 20 RE during steady magnetospheric convection. <i>Planetary and Space Science</i> , 1988, 36, 353-370.	0.9	63
182	Current sheet thickness in the near-earth plasma sheet during substorm growth phase as inferred from simultaneous magnetotail and ground-based observations. <i>Advances in Space Research</i> , 1988, 8, 125-128.	1.2	14
183	Impulsive reconnection in the magnetotail during substorm expansion. <i>Planetary and Space Science</i> , 1987, 35, 1199-1212.	0.9	27
184	Triggering of substorm expansion by the IMF directional discontinuities: Time delay analysis. <i>Planetary and Space Science</i> , 1986, 34, 1109-1118.	0.9	39
185	Permanent flare activity in the magnetosphere during periods of low magnetic activity in the auroral zone. <i>Planetary and Space Science</i> , 1986, 34, 1169-1188.	0.9	37
186	Pitch-angle scattering of energetic protons in the magnetotail current sheet as the dominant source of their isotropic precipitation into the nightside ionosphere. <i>Planetary and Space Science</i> , 1983, 31, 1147-1155.	0.9	266
187	Event study on pre-substorm phases and their relation to the energy coupling between solar wind and magnetosphere. <i>Planetary and Space Science</i> , 1982, 30, 371-388.	0.9	68
188	Energetic particle losses and trapping boundaries as deduced from calculations with a realistic magnetic field model. <i>Planetary and Space Science</i> , 1982, 30, 999-1006.	0.9	103
189	A simple semi-empirical model for the magnetospheric substorm. <i>Planetary and Space Science</i> , 1981, 29, 271-281.	0.9	12
190	Quantitative dependence of the polar cap electric field on the IMF Bz-component and solar wind velocity. <i>Planetary and Space Science</i> , 1981, 29, 205-213.	0.9	26
191	The features of auroral bulge expansion. <i>Planetary and Space Science</i> , 1979, 27, 1429-1440.	0.9	44
192	The sources of the polar cap and low latitude bay-like disturbances during substorms. <i>Planetary and Space Science</i> , 1976, 24, 1133-1139.	0.9	18
193	On the longitudinal localization of the substorm active region and its changes during the substorm. <i>Planetary and Space Science</i> , 1974, 22, 1341-1343.	0.9	18
194	Transition probabilities in <sup>146</sup> Eu. <i>Zeitschrift für Physik A</i> , 1972, 257, 101-107.	0.9	6
195	Narrow Plasma Streams as a Candidate to Populate the Inner Magnetosphere. <i>Geophysical Monograph Series</i> , 0, , 55-60.	0.1	8
196	Auroral Signatures of the Dynamic Plasma Sheet. <i>Geophysical Monograph Series</i> , 0, , 317-336.	0.1	15