

Robert L Mcpherron

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4980232/publications.pdf>

Version: 2024-02-01

182
papers

14,319
citations

22132

59
h-index

20943

115
g-index

184
all docs

184
docs citations

184
times ranked

3162
citing authors

#	ARTICLE	IF	CITATIONS
1	An empirical relationship between interplanetary conditions and <i>Dst</i> . Journal of Geophysical Research, 1975, 80, 4204-4214.	3.3	1,170
2	Satellite studies of magnetospheric substorms on August 15, 1968: 9. Phenomenological model for substorms. Journal of Geophysical Research, 1973, 78, 3131-3149.	3.3	1,074
3	Neutral line model of substorms: Past results and present view. Journal of Geophysical Research, 1996, 101, 12975-13010.	3.3	861
4	Semiannual variation of geomagnetic activity. Journal of Geophysical Research, 1973, 78, 92-108.	3.3	833
5	Growth phase of magnetospheric substorms. Journal of Geophysical Research, 1970, 75, 5592-5599.	3.3	414
6	Corotating solar wind streams and recurrent geomagnetic activity: A review. Journal of Geophysical Research, 2006, 111, .	3.3	396
7	Magnetospheric impulse response for many levels of geomagnetic activity. Journal of Geophysical Research, 1985, 90, 6387-6394.	3.3	356
8	An empirical phase space analysis of ring current dynamics: Solar wind control of injection and decay. Journal of Geophysical Research, 2000, 105, 7707-7719.	3.3	344
9	Magnetospheric substorms. Reviews of Geophysics, 1979, 17, 657-681.	9.0	246
10	Mapping the local time-universal time development of magnetospheric substorms using mid-latitude magnetic observations. Journal of Geophysical Research, 1974, 79, 2811-2820.	3.3	202
11	Geomagnetic storms driven by ICME- and CIR-dominated solar wind. Journal of Geophysical Research, 2006, 111, .	3.3	199
12	Triggering of substorms by solar wind discontinuities. Journal of Geophysical Research, 1977, 82, 74-86.	3.3	188
13	Multipoint analysis of a bursty bulk flow event on April 11, 1985. Journal of Geophysical Research, 1996, 101, 4967-4989.	3.3	184
14	Substorm Current Wedge Revisited. Space Science Reviews, 2015, 190, 1-46.	3.7	184
15	Substorm and interplanetary magnetic field effects on the geomagnetic tail lobes. Journal of Geophysical Research, 1975, 80, 191-194.	3.3	173
16	The evolution from weak to strong geomagnetic activity: An interpretation in terms of deterministic chaos. Geophysical Research Letters, 1990, 17, 41-44.	1.5	168
17	Multiple satellite studies of magnetospheric substorms: Distinction between polar magnetic substorms and convection-driven negative bays. Journal of Geophysical Research, 1978, 83, 663-679.	3.3	163
18	Growth-phase thinning of the near-Earth current sheet during the CDAW 6 substorm. Journal of Geophysical Research, 1994, 99, 5805.	3.3	153

#	ARTICLE	IF	CITATIONS
19	On the cause of geomagnetic storms. Journal of Geophysical Research, 1974, 79, 1105-1109.	3.3	152
20	An experimental test of the electromagnetic ion cyclotron instability within the earth's magnetosphere. Physics of Fluids, 1980, 23, 2111.	1.4	152
21	Harmonic structure of Pc 3-4 pulsations. Journal of Geophysical Research, 1982, 87, 1504-1516.	3.3	151
22	Fluctuating magnetic fields in the magnetosphere. Space Science Reviews, 1972, 13, 411-454.	3.7	150
23	Physical Processes Producing Magnetospheric Substorms and Magnetic Storms. , 1991, , 593-739.		141
24	Plasma sheet turbulence observed by Cluster II. Journal of Geophysical Research, 2005, 110, .	3.3	124
25	Solar wind control of auroral zone geomagnetic activity. Geophysical Research Letters, 1981, 8, 915-918.	1.5	122
26	Characteristics of the association between the interplanetary magnetic field and substorms. Journal of Geophysical Research, 1977, 82, 4837-4842.	3.3	120
27	Magnetotail changes in relation to the solar wind magnetic field and magnetospheric substorms. Journal of Geophysical Research, 1971, 76, 4381-4401.	3.3	119
28	Statistical characteristics of storm-associated Pc 5 micropulsations observed at the synchronous equatorial orbit. Journal of Geophysical Research, 1972, 77, 4720-4733.	3.3	118
29	Dynamics of the 1054 UT March 22, 1979, substorm event: CDAW 6. Journal of Geophysical Research, 1985, 90, 1175-1190.	3.3	117
30	Alfvén waves generated by an inverted plasma energy distribution. Nature, 1978, 275, 43-45.	13.7	116
31	Modeling the growth phase of a substorm using the Tsyanenko Model and multi-spacecraft observations: CDAW 9. Geophysical Research Letters, 1991, 18, 1963-1966.	1.5	115
32	Magnetic Pulsations: Their Sources and Relation to Solar Wind and Geomagnetic Activity. Surveys in Geophysics, 2005, 26, 545-592.	2.1	115
33	The statistical magnetic signature of magnetospheric substorms. Planetary and Space Science, 1978, 26, 269-279.	0.9	113
34	Solar wind triggering of substorm expansion onset.. Journal of Geomagnetism and Geoelectricity, 1986, 38, 1089-1108.	0.8	108
35	Substorm signatures at synchronous altitude. Journal of Geophysical Research, 1981, 86, 11265-11277.	3.3	107
36	The role of substorms in the generation of magnetic storms. Geophysical Monograph Series, 1997, , 131-147.	0.1	107

#	ARTICLE	IF	CITATIONS
37	Solar wind and substorm-related changes in the lobes of the geomagnetic tail. Journal of Geophysical Research, 1973, 78, 8087-8096.	3.3	104
38	Outer magnetosphere near midnight at quiet and disturbed times. Journal of Geophysical Research, 1972, 77, 5487-5502.	3.3	98
39	Standing hydromagnetic oscillations in the magnetosphere. Planetary and Space Science, 1984, 32, 1343-1359.	0.9	98
40	Ogo 5 observations of Pc 5 waves: Particle flux modulations. Journal of Geophysical Research, 1977, 82, 2774-2786.	3.3	97
41	A statistical study of Pc 1 magnetic pulsations at synchronous orbit. Journal of Geophysical Research, 1976, 81, 6083-6091.	3.3	93
42	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 1. Magnetosheath morphology. Journal of Geophysical Research, 1991, 96, 3441-3454.	3.3	90
43	Characteristics of plasma flows at the inner edge of the plasma sheet. Journal of Geophysical Research, 2011, 116, .	3.3	89
44	Satellite observations of Pi 2 activity at synchronous orbit. Journal of Geophysical Research, 1983, 88, 7015-7027.	3.3	84
45	Occurrence frequencies of IMF triggered and nontriggered substorms. Journal of Geophysical Research, 2003, 108, .	3.3	78
46	Studies of the magnetospheric substorm: 2. Correlated magnetic micropulsations and electron precipitation occurring during auroral substorms. Journal of Geophysical Research, 1968, 73, 1697-1713.	3.3	77
47	The Terrestrial Magnetosphere: A Half-Wave Rectifier of the Interplanetary Electric Field. Science, 1975, 189, 717-718.	6.0	77
48	A comparative study of three techniques for using the spectral matrix in wave analysis. Radio Science, 1976, 11, 833-845.	0.8	72
49	Seasonal and diurnal variation of Dst dynamics. Journal of Geophysical Research, 2002, 107, SMP 3-1.	3.3	71
50	Substorms during the 10–11 August 2000 sawtooth event. Journal of Geophysical Research, 2006, 111, .	3.3	69
51	Diversion of plasma due to high pressure in the inner magnetosphere during steady magnetospheric convection. Journal of Geophysical Research, 2012, 117, .	3.3	69
52	Substorms in space: The correlation between ground and satellite observations of the magnetic field. Radio Science, 1973, 8, 1059-1076.	0.8	68
53	Studies of the magnetospheric substorm: 1. Characteristics of modulated energetic electron precipitation occurring during auroral substorms. Journal of Geophysical Research, 1968, 73, 1685-1696.	3.3	67
54	Solar wind control of the low-latitude asymmetric magnetic disturbance field. Journal of Geophysical Research, 1983, 88, 2123-2130.	3.3	67

#	ARTICLE	IF	CITATIONS
55	Steady magnetospheric convection: Statistical signatures in the solar wind and AE. Geophysical Research Letters, 2002, 29, 34-1.	1.5	67
56	Multiple-satellite studies of magnetospheric substorms: Radial dynamics of the plasma sheet. Journal of Geophysical Research, 1976, 81, 5921-5933.	3.3	65
57	A statistical study of Pc 3 magnetic pulsations at synchronous orbit, ATS 6. Journal of Geophysical Research, 1977, 82, 1149-1157.	3.3	62
58	Impact of CIR Storms on Thermosphere Density Variability during the Solar Minimum of 2008. Solar Physics, 2011, 274, 427-437.	1.0	62
59	Ogo 5 observations of Pc 5 waves: Ground-magnetosphere correlations. Journal of Geophysical Research, 1976, 81, 5141-5149.	3.3	61
60	Fluctuating magnetic fields in the magnetosphere. Space Science Reviews, 1972, 12, 810-856.	3.7	60
61	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 2. Field and plasma conditions in the magnetosheath. Journal of Geophysical Research, 1991, 96, 3455-3464.	3.3	58
62	Magnetic field variations in the near geomagnetic tail associated with weak substorm activity. Journal of Geophysical Research, 1971, 76, 1823-1829.	3.3	56
63	Solar cycle dependence of substorm occurrence and duration: Implications for onset. Journal of Geophysical Research: Space Physics, 2015, 120, 2808-2818.	0.8	56
64	An evaluation of the statistical significance of the association between northward turnings of the interplanetary magnetic field and substorm expansion onsets. Journal of Geophysical Research, 2002, 107, SMP 31-1.	3.3	55
65	Relative timing of substorm onset phenomena. Journal of Geophysical Research, 2004, 109, .	3.3	53
66	An optimum solar wind coupling function for the AL index. Journal of Geophysical Research: Space Physics, 2015, 120, 2494-2515.	0.8	52
67	On the distinction between the auroral electrojet and partial ring current systems. Journal of Geophysical Research, 1972, 77, 6886-6889.	3.3	51
68	Studies of the magnetospheric substorm: 3. Concept of the magnetospheric substorm and its relation to electron precipitation and micropulsations. Journal of Geophysical Research, 1968, 73, 1715-1722.	3.3	50
69	Satellite studies of magnetospheric substorms on August 15, 1968: 4. Ogo 5 magnetic field observations. Journal of Geophysical Research, 1973, 78, 3068-3078.	3.3	49
70	On the Usage of Geomagnetic Indices for Data Selection in Internal Field Modelling. Space Science Reviews, 2017, 206, 61-90.	3.7	47
71	The relative importance of the interplanetary electric field and magnetospheric substorms on partial ring current development. Journal of Geophysical Research, 1980, 85, 6747-6759.	3.3	46
72	Comparative statistical analysis of storm time activations and sawtooth events. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	46

#	ARTICLE	IF	CITATIONS
73	Factors controlling the occurrence of Pc 3 magnetic pulsations at synchronous orbit. Journal of Geophysical Research, 1981, 86, 5472-5484.	3.3	45
74	The roles of direct input of energy from the solar wind and unloading of stored magnetotail energy in driving magnetospheric substorms. Space Science Reviews, 1988, 46, 93.	3.7	45
75	Transfer of pulsation-related wave activity across the magnetopause: Observations of corresponding spectra by ISEE-1 and ISEE-2. Geophysical Research Letters, 1983, 10, 659-662.	1.5	43
76	Plasma flow and magnetic field characteristics near the midtail neutral sheet. Journal of Geophysical Research, 1994, 99, 23591.	3.3	43
77	Observations of ionospheric heating during the passage of solar coronal hole fast streams. Geophysical Research Letters, 2009, 36, .	1.5	43
78	Development and validation of inversion technique for substorm current wedge using ground magnetic field data. Journal of Geophysical Research: Space Physics, 2014, 119, 1909-1924.	0.8	43
79	Investigation of interaction between Pc 1 and 2 and Pc 5 micropulsations at the synchronous orbit during magnetic storms. Journal of Geophysical Research, 1972, 77, 4707-4719.	3.3	42
80	A statistical study of the relation of Pi 2 and plasma flows in the tail. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	42
81	Application of linear inverse theory to a line current model of substorm current systems. Journal of Geophysical Research, 1974, 79, 5202-5210.	3.3	41
82	Steady magnetospheric convection and stream interfaces: Relationship over a solar cycle. Journal of Geophysical Research, 2011, 116, .	3.3	41
83	Interplanetary magnetic field conditions associated with synchronous orbit observations of Pc 3 magnetic pulsations. Journal of Geophysical Research, 1977, 82, 5138-5142.	3.3	39
84	Magnetic storms: Current understanding and outstanding questions. Geophysical Monograph Series, 1997, , 1-19.	0.1	39
85	Response of the Earth's magnetosphere to changes in the solar wind. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 303-315.	0.6	39
86	Satellite studies of magnetospheric substorms on August 15, 1968: 1. State of the magnetosphere. Journal of Geophysical Research, 1973, 78, 3044-3053.	3.3	38
87	A new interpretation of Weimer et al.'s solar wind propagation delay technique. Journal of Geophysical Research, 2005, 110, .	3.3	38
88	The Mid-Latitude Positive Bay and the MPB Index of Substorm Activity. Space Science Reviews, 2017, 206, 91-122.	3.7	38
89	The Midlatitude Positive Bay Index and the Statistics of Substorm Occurrence. Journal of Geophysical Research: Space Physics, 2018, 123, 2831-2850.	0.8	37
90	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. Journal of Geophysical Research: Space Physics, 2019, 124, 5584-5609.	0.8	37

#	ARTICLE	IF	CITATIONS
91	Variability of mid-latitude magnetic parameters used to characterize magnetospheric substorms. Journal of Geophysical Research, 1974, 79, 2898-2900.	3.3	36
92	Dynamic Harris current sheet thickness from Cluster current density and plasma measurements. Journal of Geophysical Research, 2005, 110, .	3.3	36
93	Diminished contribution of ram pressure to Dst during magnetic storms. Journal of Geophysical Research, 2005, 110, .	3.3	36
94	Solar Wind Control of Daytime, Midperiod Geomagnetic Pulsations. Journal of Geomagnetism and Geoelectricity, 1980, 32, S1189-S11110.	0.8	36
95	Magnetic fluctuations during magnetospheric substorms: 1. Expansion phase. Journal of Geophysical Research, 1970, 75, 3927-3931.	3.3	35
96	A seasonal change in the effect of field-aligned currents at synchronous orbit. Journal of Geophysical Research, 1980, 85, 6743-6746.	3.3	35
97	Multiple satellite observations of pulsation resonance structure in the magnetosphere. Journal of Geophysical Research, 1977, 82, 492-498.	3.3	34
98	Dependence of ring current asymmetry on storm phase. Journal of Geophysical Research, 2006, 111, .	3.3	34
99	Characteristics of low-latitude Pc1 pulsations during geomagnetic storms. Journal of Geophysical Research, 2008, 113, .	3.3	34
100	Average characteristics of triggered and nontriggered substorms. Journal of Geophysical Research, 2004, 109, .	3.3	33
101	Satellite observations of band-limited micropulsations during a magnetospheric substorm. Journal of Geophysical Research, 1971, 76, 3010-3021.	3.3	31
102	Probabilistic forecasting of geomagnetic indices using solar wind air mass analysis. Space Weather, 2004, 2, n/a-n/a.	1.3	31
103	Changes in solar wind-magnetosphere coupling with solar cycle, season, and time relative to stream interfaces. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 99, 1-13.	0.6	31
104	A volcanomagnetic observation on Mount St. Helens, Washington. Geophysical Research Letters, 1984, 11, 225-228.	1.5	29
105	Empirical reconstruction of storm time steady magnetospheric convection events. Journal of Geophysical Research: Space Physics, 2013, 118, 6434-6456.	0.8	29
106	Analysis of the linear response function relating ΔI to ΔB for individual substorms. Journal of Geophysical Research, 1995, 100, 19155.	3.3	28
107	Micropulsations in the morning sector, 3. Simultaneous ground-satellite observations of 10- to 45-s period waves near $L = 6.6$. Journal of Geophysical Research, 1977, 82, 2859-2866.	3.3	27
108	A comparison of substorms occurring during magnetic storms with those occurring during quiet times. Journal of Geophysical Research, 2002, 107, SMP 23-1.	3.3	27

#	ARTICLE	IF	CITATIONS
109	A statistical analysis of substorm associated tail activity. <i>Advances in Space Research</i> , 2012, 50, 1317-1343.	1.2	26
110	Some properties of the Svalgaard A/C index. <i>Journal of Geophysical Research</i> , 1975, 80, 1349-1351.	3.3	25
111	Relation of substorm onset to Harang discontinuity. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
112	Satellite studies of magnetospheric substorms on August 15, 1968: 2. Solar wind and outer magnetosphere. <i>Journal of Geophysical Research</i> , 1973, 78, 3054-3061.	3.3	24
113	An empirical dynamic equation for energetic electrons at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	24
114	Micropulsations in the morning sector: 1. Ground observations of 10- to 45-second waves Tungsten, Northwest Territories, Canada. <i>Journal of Geophysical Research</i> , 1973, 78, 8180-8192.	3.3	23
115	Micropulsations in the morning sector: 2. Satellite observations of 10- to 45-s waves at synchronous orbit, ATS 1. <i>Journal of Geophysical Research</i> , 1975, 80, 4621-4626.	3.3	22
116	Generation and properties of in vivo flux transfer events. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
117	Necessity of substorm expansions in the initiation of steady magnetospheric convection. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	22
118	A statistical analysis of the association between fast plasma flows and Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
119	Introduction to special section on corotating solar wind streams and recurrent geomagnetic activity. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	21
120	Coincidence of composition and speed boundaries of the slow solar wind. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
121	Superposed epoch analyses of thermospheric response to CIRs: Solar cycle and seasonal dependencies. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
122	Predicting Geomagnetic Activity: The <i>D_{st}</i> Index. <i>Geophysical Monograph Series</i> , 0, , 339-345.	0.1	21
123	Magnetic Field Studies of the Solar Wind Interaction with Venus from the Galileo Flyby. <i>Science</i> , 1991, 253, 1518-1522.	6.0	20
124	Evidence against an independent solar wind density driver of the terrestrial ring current. <i>Geophysical Research Letters</i> , 2000, 27, 3797-3799.	1.5	20
125	Comment on "Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery" by K. Liou, et al.. <i>Journal of Geophysical Research</i> , 2001, 106, 18919-18922.	3.3	20
126	Steady magnetospheric convection selection criteria: Implications of global SuperDARN convection measurements. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	20

#	ARTICLE	IF	CITATIONS
127	Impact of equinoctial high-speed stream structures on thermospheric responses. Space Weather, 2014, 12, 277-297.	1.3	20
128	A Possible Interpretation of Cold Ion Beams in the Earth's Tail Lobe. Journal of Geomagnetism and Geoelectricity, 1996, 48, 699-710.	0.8	20
129	Implications of the 1100 UT March 22, 1979 CDAW 6 substorm event for the role of magnetic reconnection in the geomagnetic tail. Geophysical Monograph Series, 1984, , 203-207.	0.1	19
130	Different magnetospheric modes: solar wind driving and coupling efficiency. Annales Geophysicae, 2009, 27, 4281-4291.	0.6	19
131	Evolution of chorus waves and their source electrons during storms driven by corotating interaction regions. Journal of Geophysical Research, 2012, 117, .	3.3	19
132	Auroral-zone pearl pulsations. Journal of Geophysical Research, 1965, 70, 5867-5882.	3.3	18
133	Relation of 5- to 40-Second-period geomagnetic micropulsations and electron precipitation to the auroral substorm. Journal of Geophysical Research, 1966, 71, 5743-5745.	3.3	18
134	What drives magnetospheric activity under northward IMF conditions?. Geophysical Research Letters, 2007, 34, .	1.5	18
135	Comparison of interplanetary signatures of streamers and pseudostreamers. Journal of Geophysical Research: Space Physics, 2014, 119, 4157-4163.	0.8	18
136	Magnetic mapping effects of substorm currents leading to auroral poleward expansion and equatorward retreat. Journal of Geophysical Research: Space Physics, 2015, 120, 253-265.	0.8	18
137	A Possible Signature of Magnetic Cavity Mode Oscillations in ISEE Spacecraft Observations.. Journal of Geomagnetism and Geoelectricity, 1997, 49, 1079-1098.	0.8	18
138	Reconciling prediction algorithms forDst. Journal of Geophysical Research, 2005, 110, .	3.3	17
139	Electric currents of a substorm current wedge on 24 February 2010. Geophysical Research Letters, 2014, 41, 4449-4455.	1.5	17
140	Relation of the auroral substorm to the substorm current wedge. Geoscience Letters, 2016, 3, .	1.3	17
141	Substorm Associated Micropulsations at Synchronous Orbit. Journal of Geomagnetism and Geoelectricity, 1980, 32, SII57-SII73.	0.8	17
142	The Main Onset of a Magnetospheric Substorm. Astrophysics and Space Science Library, 1998, , 79-82.	1.0	16
143	Ps 6 disturbances: relation to substorms and the auroral oval. Annales Geophysicae, 2003, 21, 493-508.	0.6	16
144	Changes in the response of the AL Index with solar cycle and epoch within a corotating interaction region. Annales Geophysicae, 2009, 27, 3165-3178.	0.6	16

#	ARTICLE	IF	CITATIONS
145	Correlation between occurrence of pearl pulsations and interplanetary magnetic field sector boundaries. <i>Journal of Geophysical Research</i> , 1967, 72, 393.	3.3	15
146	The importance of storm time steady magnetospheric convection in determining the final relativistic electron flux level. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7433-7443.	0.8	14
147	Comment on "Prediction of geomagnetic activity" by C. K. Goertz, Lin Hua Shan, and R. A. Smith. <i>Journal of Geophysical Research</i> , 1993, 98, 7685-7686.	3.3	12
148	An investigation of the association between steady magnetospheric convection and CIR stream interfaces. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	12
149	Where and when does reconnection occur in the tail?. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4607-4610.	0.8	12
150	Continued convection and the initial recovery of Dst. <i>Geophysical Research Letters</i> , 2002, 29, 58-1-58-4.	1.5	10
151	Direct correspondence between X-ray microbursts and impulsive micropulsations. <i>Journal of Geophysical Research</i> , 1967, 72, 414.	3.3	9
152	The use of ground magnetograms to time the onset of magnetospheric substorms.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1978, 30, 149-163.	0.8	9
153	A statistical study of the spatial structure of interplanetary magnetic field substorm triggers and their associated magnetic response. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
154	Plasma sheet magnetic fields and flows during steady magnetospheric convection events. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6136-6144.	0.8	9
155	Distribution of Region 1 and 2 currents in the quiet and substorm time plasma sheet from THEMIS observations. <i>Geophysical Research Letters</i> , 2016, 43, 7813-7821.	1.5	9
156	Relation of Field-Aligned Currents Measured by the Network of Iridium® Spacecraft to Solar Wind and Substorms. <i>Geophysical Research Letters</i> , 2018, 45, 2151-2158.	1.5	9
157	On the seasonal dependence of relativistic electron fluxes. <i>Annales Geophysicae</i> , 2010, 28, 1101-1106.	0.6	8
158	Global MHD Simulations of the Substorm Current Wedge and Dipolarization. <i>Astrophysics and Space Science Library</i> , 1998, , 343-348.	1.0	8
159	A Procedure for Accurate Calibration of the Orientation of the Three Sensors in a Vector Magnetometer. <i>IEEE Transactions on Geoscience Electronics</i> , 1978, 16, 134-137.	1.2	7
160	Probabilistic Forecasting of the Dst Index. <i>Geophysical Monograph Series</i> , 0, , 203-210.	0.1	7
161	The Relation of Auroral Streamers to Auroral Expansion. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027063.	0.8	7
162	Determination of linear filters for predicting Ap during Jan. 1997. <i>Geophysical Research Letters</i> , 1998, 25, 3035-3038.	1.5	6

#	ARTICLE	IF	CITATIONS
163	Cluster observations of energetic electron flux variations within the plasma sheet. Journal of Geophysical Research, 2009, 114, .	3.3	6
164	Geomagnetic activity during the passage of the Earth through Halley's tail in 1910. Nature, 1988, 333, 338-340.	13.7	5
165	Comment on "A note on current closure" by Vytenis M. Vasyliunas. Journal of Geophysical Research, 2000, 105, 27841-27842.	3.3	5
166	Characteristics of Reconnection Sites and Fast Flow Channels in an MHD Simulation. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027701.	0.8	5
167	On the relationship of the partial ring current to substorms and the interplanetary magnetic field.. Journal of Geomagnetism and Geoelectricity, 1978, 30, 195-196.	0.8	5
168	A Mobile Geomagnetic Observatory. , 1969, 7, 27-34.		4
169	Digital Data Acquisition and Processing from a Remote Magnetic Observatory. , 1973, 11, 127-134.		4
170	Statistical occurrence and dynamics of the Harang discontinuity during steady magnetospheric convection. Journal of Geophysical Research: Space Physics, 2013, 118, 5127-5135.	0.8	4
171	The Synchronous Orbit Magnetic Field Data Set. Geophysical Monograph Series, 0, , 35-47.	0.1	4
172	Magnetotail Flux Accumulation Leads to Substorm Current Wedge Formation: A Case Study. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	4
173	Characteristics of Substorm-Related and Nonsubstorm Earthward Fast Flows and Associated Magnetic Flux Transport: THEMIS Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028313.	0.8	4
174	Reply [to "Comment on "Semiannual variation of geomagnetic activity" by C. T. Russell and R. L. McPherron"]. Journal of Geophysical Research, 1974, 79, 1132-1133.	3.3	3
175	Magnetic islands in the near geomagnetic tail and its implications for the mechanism of 1054 UT CDAW 6 substorm. Geophysical Monograph Series, 1990, , 647-654.	0.1	3
176	Reply to comment by Haaland et al. on "A new interpretation of Weimer et al.'s solar wind propagation delay technique". Journal of Geophysical Research, 2006, 111, .	3.3	3
177	Dynamic cross correlation studies of wave particle interactions in ULF phenomena. Annales Des Telecommunications/Annals of Telecommunications, 1979, 34, 196-203.	1.6	2
178	The Planetary Plasma Interactions Node of the Planetary Data System. Planetary and Space Science, 1996, 44, 55-64.	0.9	2
179	Aeronomy of Ice in the Mesosphere receiver/communication lock analysis: When bad space weather is good. Space Weather, 2009, 7, .	1.3	2
180	On the azimuthal evolution and geoeffectiveness of the SIR-associated stream interface. Journal of Geophysical Research: Space Physics, 2015, 120, 1489-1508.	0.8	2

#	ARTICLE	IF	CITATIONS
181	Early Studies in Solar Wind Coupling and Substorms. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027615.	0.8	2
182	The Mid-Latitude Positive Bay and the MPB Index of Substorm Activity. Space Sciences Series of ISSI, 2018, , 93-124.	0.0	1