

Robert L Mcpherron

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183
papers

12,219
citations

55
h-index

106
g-index

184
ext. papers

12,851
ext. citations

5.4
avg, IF

5.96
L-index

#	Paper	IF	Citations
183	Characteristics of Substorm-Onset-Related and Nonsubstorm Earthward Fast Flows and Associated Magnetic Flux Transport: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028313	2.6	0
182	Magnetotail Flux Accumulation Leads to Substorm Current Wedge Formation: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126,	2.6	3
181	The Relation of N-S Auroral Streamers to Auroral Expansion. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027063	2.6	3
180	Early Studies in Solar Wind Coupling and Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027615	2.6	1
179	Characteristics of Reconnection Sites and Fast Flow Channels in an MHD Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027701	2.6	2
178	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5584-5609	2.6	22
177	Relation of Field-Aligned Currents Measured by the Network of Iridium-1 Satellite Spacecraft to Solar Wind and Substorms. <i>Geophysical Research Letters</i> , 2018 , 45, 2151-2158	4.9	7
176	The Mid-Latitude Positive Bay and the MPB Index of Substorm Activity. <i>Space Sciences Series of ISSI</i> , 2018 , 93-124	0.1	0
175	The Midlatitude Positive Bay Index and the Statistics of Substorm Occurrence. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2831-2850	2.6	14
174	The Mid-Latitude Positive Bay and the MPB Index of Substorm Activity. <i>Space Science Reviews</i> , 2017 , 206, 91-122	7.5	24
173	On the Usage of Geomagnetic Indices for Data Selection in Internal Field Modelling. <i>Space Science Reviews</i> , 2017 , 206, 61-90	7.5	28
172	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	4.9	7
171	Where and when does reconnection occur in the tail?. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4607-4610	2.6	8
170	Relation of the auroral substorm to the substorm current wedge. <i>Geoscience Letters</i> , 2016 , 3,	3.5	12
169	Magnetic mapping effects of substorm currents leading to auroral poleward expansion and equatorward retreat. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 253-265	2.6	14
168	Substorm Current Wedge Revisited. <i>Space Science Reviews</i> , 2015 , 190, 1-46	7.5	141
167	Earth's Magnetotail. <i>Geophysical Monograph Series</i> , 2015 , 61-84	1.1	9

166	Solar cycle dependence of substorm occurrence and duration: Implications for onset. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2808-2818	2.6	39
165	An optimum solar wind coupling function for the AL index. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2494-2515	2.6	34
164	On the azimuthal evolution and geoeffectiveness of the SIR-associated stream interface. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1489-1508	2.6	1
163	Development and validation of inversion technique for substorm current wedge using ground magnetic field data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1909-1924	2.6	38
162	Impact of equinoctial high-speed stream structures on thermospheric responses. <i>Space Weather</i> , 2014 , 12, 277-297	3.7	18
161	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	2.6	12
160	Comparison of interplanetary signatures of streamers and pseudostreamers. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4157-4163	2.6	17
159	Electric currents of a substorm current wedge on 24 February 2010. <i>Geophysical Research Letters</i> , 2014 , 41, 4449-4455	4.9	15
158	Plasma sheet magnetic fields and flows during steady magnetospheric convection events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6136-6144	2.6	8
157	Empirical reconstruction of storm time steady magnetospheric convection events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6434-6456	2.6	26
156	Statistical occurrence and dynamics of the Harang discontinuity during steady magnetospheric convection. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5127-5135	2.6	4
155	Changes in solar wind-magnetosphere coupling with solar cycle, season, and time relative to stream interfaces. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 99, 1-13	2	25
154	The Synchronous Orbit Magnetic Field Data Set. <i>Geophysical Monograph Series</i> , 2013 , 35-47	1.1	3
153	Predicting Geomagnetic Activity: The Dst Index. <i>Geophysical Monograph Series</i> , 2013 , 339-345	1.1	9
152	Coincidence of composition and speed boundaries of the slow solar wind. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
151	Generation and properties of in vivo flux transfer events. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
150	Necessity of substorm expansions in the initiation of steady magnetospheric convection. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	19
149	A statistical analysis of the association between fast plasma flows and Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20

148	A statistical analysis of substorm associated tail activity. <i>Advances in Space Research</i> , 2012 , 50, 1317-1343.	4	20
147	Diversion of plasma due to high pressure in the inner magnetosphere during steady magnetospheric convection. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		58
146	Superposed epoch analyses of thermospheric response to CIRs: Solar cycle and seasonal dependencies. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		15
145	Evolution of chorus waves and their source electrons during storms driven by corotating interaction regions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
144	Steady magnetospheric convection and stream interfaces: Relationship over a solar cycle. <i>Journal of Geophysical Research</i> , 2011 , 116,		32
143	Characteristics of plasma flows at the inner edge of the plasma sheet. <i>Journal of Geophysical Research</i> , 2011 , 116,		76
142	Impact of CIR Storms on Thermosphere Density Variability during the Solar Minimum of 2008. <i>Solar Physics</i> , 2011 , 274, 427-437	2.6	55
141	On the seasonal dependence of relativistic electron fluxes. <i>Annales Geophysicae</i> , 2010 , 28, 1101-1106	2	8
140	An investigation of the association between steady magnetospheric convection and CIR stream interfaces. <i>Geophysical Research Letters</i> , 2010 , 37,	4.9	12
139	Observations of ionospheric heating during the passage of solar coronal hole fast streams. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	42
138	Cluster observations of energetic electron flux variations within the plasma sheet. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		5
137	Aeronomy of Ice in the Mesosphere receiver/communication lock analysis: When bad space weather is good. <i>Space Weather</i> , 2009 , 7, n/a-n/a	3.7	2
136	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, n/a-n/a		8
135	Different magnetospheric modes: solar wind driving and coupling efficiency. <i>Annales Geophysicae</i> , 2009 , 27, 4281-4291	2	17
134	Changes in the response of the AL Index with solar cycle and epoch within a corotating interaction region. <i>Annales Geophysicae</i> , 2009 , 27, 3165-3178	2	15
133	Relation of substorm onset to Harang discontinuity. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		24
132	Characteristics of low-latitude Pc1 pulsations during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		27
131	Steady magnetospheric convection selection criteria: Implications of global SuperDARN convection measurements. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	14

130	Response of the Earth's magnetosphere to changes in the solar wind. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 303-315	2	27
129	A statistical study of the relation of Pi 2 and plasma flows in the tail. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		36
128	Comparative statistical analysis of storm time activations and sawtooth events. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		41
127	What drives magnetospheric activity under northward IMF conditions?. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	17
126	Corotating solar wind streams and recurrent geomagnetic activity: A review. <i>Journal of Geophysical Research</i> , 2006 , 111,		290
125	Substorms during the 10 th August 2000 sawtooth event. <i>Journal of Geophysical Research</i> , 2006 , 111,		58
124	Geomagnetic storms driven by ICME- and CIR-dominated solar wind. <i>Journal of Geophysical Research</i> , 2006 , 111,		182
123	Reply to comment by Haaland et al. on "A new interpretation of Weimer et al.'s solar wind propagation delay technique" <i>Journal of Geophysical Research</i> , 2006 , 111,		3
122	Introduction to special section on corotating solar wind streams and recurrent geomagnetic activity. <i>Journal of Geophysical Research</i> , 2006 , 111,		11
121	Dependence of ring current asymmetry on storm phase. <i>Journal of Geophysical Research</i> , 2006 , 111,		30
120	A new interpretation of Weimer et al.'s solar wind propagation delay technique. <i>Journal of Geophysical Research</i> , 2005 , 110,		31
119	Reconciling prediction algorithms for Dst. <i>Journal of Geophysical Research</i> , 2005 , 110,		15
118	Plasma sheet turbulence observed by Cluster II. <i>Journal of Geophysical Research</i> , 2005 , 110,		96
117	Dynamic Harris current sheet thickness from Cluster current density and plasma measurements. <i>Journal of Geophysical Research</i> , 2005 , 110,		29
116	Diminished contribution of ram pressure to Dst during magnetic storms. <i>Journal of Geophysical Research</i> , 2005 , 110,		28
115	Probabilistic Forecasting of the Dst Index. <i>Geophysical Monograph Series</i> , 2005 , 203-210	1.1	7
114	Magnetic Pulsations: Their Sources and Relation to Solar Wind and Geomagnetic Activity. <i>Surveys in Geophysics</i> , 2005 , 26, 545-592	7.6	89
113	Average characteristics of triggered and nontriggered substorms. <i>Journal of Geophysical Research</i> , 2004 , 109,		29

112	Relative timing of substorm onset phenomena. <i>Journal of Geophysical Research</i> , 2004 , 109,		47
111	Probabilistic forecasting of geomagnetic indices using solar wind air mass analysis. <i>Space Weather</i> , 2004 , 2, n/a-n/a	3-7	31
110	An empirical dynamic equation for energetic electrons at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2003 , 108,		21
109	Occurrence frequencies of IMF triggered and nontriggered substorms. <i>Journal of Geophysical Research</i> , 2003 , 108,		72
108	Ps 6 disturbances: relation to substorms and the auroral oval. <i>Annales Geophysicae</i> , 2003 , 21, 493-508	2	13
107	Continued convection and the initial recovery of Dst. <i>Geophysical Research Letters</i> , 2002 , 29, 58-1-58-4	4-9	9
106	Seasonal and diurnal variation of Dst dynamics. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 3-1		60
105	Steady magnetospheric convection: Statistical signatures in the solar wind and AE. <i>Geophysical Research Letters</i> , 2002 , 29, 34-1	4-9	39
104	A comparison of substorms occurring during magnetic storms with those occurring during quiet times. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 23-1		24
103	An evaluation of the statistical significance of the association between northward turnings of the interplanetary magnetic field and substorm expansion onsets. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 31-1		49
102	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		18
101	An empirical phase space analysis of ring current dynamics: Solar wind control of injection and decay. <i>Journal of Geophysical Research</i> , 2000 , 105, 7707-7719		291
100	Comment on A note on current closure by Vytenis M. Vasyliunas. <i>Journal of Geophysical Research</i> , 2000 , 105, 27841-27842		4
99	Evidence against an independent solar wind density driver of the terrestrial ring current. <i>Geophysical Research Letters</i> , 2000 , 27, 3797-3799	4-9	18
98	Determination of linear filters for predicting Ap during Jan. 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 3035-3038	4-9	5
97	The Main Onset of a Magnetospheric Substorm. <i>Astrophysics and Space Science Library</i> , 1998 , 79-82	0-3	10
96	Global MHD Simulations of the Substorm Current Wedge and Dipolarization. <i>Astrophysics and Space Science Library</i> , 1998 , 343-348	0-3	8
95	The Role of Substorms in the Generation of Magnetic Storms. <i>Geophysical Monograph Series</i> , 1997 , 131-147		86

94	Magnetic Storms: Current Understanding and Outstanding Questions. <i>Geophysical Monograph Series</i> , 1997 , 1-19	1.1	31
93	A Possible Signature of Magnetic Cavity Mode Oscillations in ISEE Spacecraft Observations.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997 , 49, 1079-1098		17
92	Multipoint analysis of a bursty bulk flow event on April 11, 1985. <i>Journal of Geophysical Research</i> , 1996 , 101, 4967-4989		170
91	Neutral line model of substorms: Past results and present view. <i>Journal of Geophysical Research</i> , 1996 , 101, 12975-13010		737
90	The Planetary Plasma Interactions Node of the Planetary Data System. <i>Planetary and Space Science</i> , 1996 , 44, 55-64	2	2
89	A Possible Interpretation of Cold Ion Beams in the Earth's Tail Lobe. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 699-710		20
88	Analysis of the linear response function relating AL to VBs for individual substorms. <i>Journal of Geophysical Research</i> , 1995 , 100, 19155		25
87	Growth-phase thinning of the near-Earth current sheet during the CDAW 6 substorm. <i>Journal of Geophysical Research</i> , 1994 , 99, 5805		127
86	Plasma flow and magnetic field characteristics near the midtail neutral sheet. <i>Journal of Geophysical Research</i> , 1994 , 99, 23591		37
85	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		12
84	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 2. Field and plasma conditions in the magnetosheath. <i>Journal of Geophysical Research</i> , 1991 , 96, 3455		50
83	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 1. Magnetosheath morphology. <i>Journal of Geophysical Research</i> , 1991 , 96, 3441		82
82	Modeling the growth phase of a substorm using the Tsyganenko Model and multi-spacecraft observations: CDAW-9. <i>Geophysical Research Letters</i> , 1991 , 18, 1963-1966	4.9	101
81	Magnetic field studies of the solar wind interaction with venus from the galileo flyby. <i>Science</i> , 1991 , 253, 1518-22	33.3	20
80	Physical Processes Producing Magnetospheric Substorms and Magnetic Storms 1991 , 593-739		119
79	Magnetic Islands in the Near Geomagnetic Tail and Its Implications for the Mechanism of 1054 UT CDAW 6 Substorm. <i>Geophysical Monograph Series</i> , 1990 , 647-654	1.1	3
78	The evolution from weak to strong geomagnetic activity: An interpretation in terms of deterministic chaos. <i>Geophysical Research Letters</i> , 1990 , 17, 41-44	4.9	142
77	The roles of direct input of energy from the solar wind and unloading of stored magnetotail energy in driving magnetospheric substorms. <i>Space Science Reviews</i> , 1988 , 46, 93	7.5	14

76	Geomagnetic activity during the passage of the Earth through Halley's tail in 1910. <i>Nature</i> , 1988 , 333, 338-340	50.4	3
75	Solar wind triggering of substorm expansion onset.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1986 , 38, 1089-1108		97
74	Magnetospheric impulse response for many levels of geomagnetic activity. <i>Journal of Geophysical Research</i> , 1985 , 90, 6387		317
73	Dynamics of the 1054 UT March 22, 1979, substorm event: CDAW 6. <i>Journal of Geophysical Research</i> , 1985 , 90, 1175		111
72	Implications of the 1100 Ut March 22, 1979 Cdaw 6 Substorm Event for the Role of Magnetic Reconnection in the Geomagnetic Tail. <i>Geophysical Monograph Series</i> , 1984 , 203-207	1.1	17
71	Standing hydromagnetic oscillations in the magnetosphere. <i>Planetary and Space Science</i> , 1984 , 32, 1343-1359		89
70	A volcanomagnetic observation on Mount St. Helens, Washington. <i>Geophysical Research Letters</i> , 1984 , 11, 225-228	4.9	21
69	Transfer of pulsation-related wave activity across the magnetopause: Observations of corresponding spectra by ISEE-1 and ISEE-2. <i>Geophysical Research Letters</i> , 1983 , 10, 659-662	4.9	39
68	Solar wind control of the low-latitude asymmetric magnetic disturbance field. <i>Journal of Geophysical Research</i> , 1983 , 88, 2123		56
67	Satellite observations of Pi 2 activity at synchronous orbit. <i>Journal of Geophysical Research</i> , 1983 , 88, 7015		72
66	Harmonic structure of Pc 3 pulsations. <i>Journal of Geophysical Research</i> , 1982 , 87, 1504-1516		140
65	Solar wind control of auroral zone geomagnetic activity. <i>Geophysical Research Letters</i> , 1981 , 8, 915-918	4.9	109
64	Factors controlling the occurrence of Pc 3 magnetic pulsations at synchronous orbit. <i>Journal of Geophysical Research</i> , 1981 , 86, 5472		40
63	Substorm signatures at synchronous altitude. <i>Journal of Geophysical Research</i> , 1981 , 86, 11265		91
62	A seasonal change in the effect of field-aligned currents at synchronous orbit. <i>Journal of Geophysical Research</i> , 1980 , 85, 6743		33
61	The relative importance of the interplanetary electric field and magnetospheric substorms on partial ring current development. <i>Journal of Geophysical Research</i> , 1980 , 85, 6747		39
60	An experimental test of the electromagnetic ion cyclotron instability within the earth's magnetosphere. <i>Physics of Fluids</i> , 1980 , 23, 2111		136
59	Substorm Associated Micropulsations at Synchronous Orbit. <i>Journal of Geomagnetism and Geoelectricity</i> , 1980 , 32, S1157-S1173		13

58	Solar Wind Control of Daytime, Midperiod Geomagnetic Pulsations. <i>Journal of Geomagnetism and Geoelectricity</i> , 1980 , 32, SII89-SII110		23
57	Dynamic cross correlation studies of wave particle interactions in ULF phenomena. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 1979 , 34, 196-203	2	2
56	Magnetospheric substorms. <i>Reviews of Geophysics</i> , 1979 , 17, 657	23.1	220
55	Alfvén waves generated by an inverted plasma energy distribution. <i>Nature</i> , 1978 , 275, 43-45	50.4	103
54	The statistical magnetic signature of magnetospheric substorms. <i>Planetary and Space Science</i> , 1978 , 26, 269-279	2	98
53	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		5
52	Multiple-satellite studies of magnetospheric substorms: Distinction between polar magnetic substorms and convection-driven negative bays. <i>Journal of Geophysical Research</i> , 1978 , 83, 663		144
51	The use of ground magnetograms to time the onset of magnetospheric substorms.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1978 , 30, 149-163		6
50	On the relationship of the partial ring current to substorms and the interplanetary magnetic field.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1978 , 30, 195-196		5
49	Triggering of substorms by solar wind discontinuities. <i>Journal of Geophysical Research</i> , 1977 , 82, 74-86		169
48	Multiple satellite observations of pulsation resonance structure in the magnetosphere. <i>Journal of Geophysical Research</i> , 1977 , 82, 492-498		31
47	A statistical study of Pc 3 magnetic pulsations at synchronous orbit, ATS 6. <i>Journal of Geophysical Research</i> , 1977 , 82, 1149-1157		53
46	Ogo 5 observations of Pc 5 waves: Particle flux modulations. <i>Journal of Geophysical Research</i> , 1977 , 82, 2774-2786		83
45	Micropulsations in the morning sector, 3. Simultaneous ground-satellite observations of 10- to 45-s period waves near L = 6.6. <i>Journal of Geophysical Research</i> , 1977 , 82, 2859-2866		22
44	Interplanetary magnetic field conditions associated with synchronous orbit observations of Pc 3 magnetic pulsations. <i>Journal of Geophysical Research</i> , 1977 , 82, 5138-5142		33
43	Characteristics of the association between the interplanetary magnetic field and substorms. <i>Journal of Geophysical Research</i> , 1977 , 82, 4837-4842		101
42	Ogo 5 observations of Pc 5 waves: Ground-magnetosphere correlations. <i>Journal of Geophysical Research</i> , 1976 , 81, 5141-5149		55
41	Multiple-satellite studies of magnetospheric substorms: Radial dynamics of the plasma sheet. <i>Journal of Geophysical Research</i> , 1976 , 81, 5921-5933		62

40	A statistical study of Pc 1 magnetic pulsations at synchronous orbit. <i>Journal of Geophysical Research</i> , 1976 , 81, 6083-6091		90
39	A comparative study of three techniques for using the spectral matrix in wave analysis. <i>Radio Science</i> , 1976 , 11, 833-845	1.4	62
38	Some properties of the Svalgaard A/C index. <i>Journal of Geophysical Research</i> , 1975 , 80, 1349-1351		23
37	An empirical relationship between interplanetary conditions and Dst. <i>Journal of Geophysical Research</i> , 1975 , 80, 4204-4214		975
36	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		19
35	Substorm and interplanetary magnetic field effects on the geomagnetic tail lobes. <i>Journal of Geophysical Research</i> , 1975 , 80, 191-194		156
34	The terrestrial magnetosphere: a half-wave rectifier of the interplanetary electric field. <i>Science</i> , 1975 , 189, 717-8	33.3	74
33	On the cause of geomagnetic storms. <i>Journal of Geophysical Research</i> , 1974 , 79, 1105-1109		131
32	Reply [to Comment on Semiannual variation of geomagnetic activity] by C. T. Russell and R. L. McPherron. <i>Journal of Geophysical Research</i> , 1974 , 79, 1132-1133		3
31	Mapping the local time-universal time development of magnetospheric substorms using mid-latitude magnetic observations. <i>Journal of Geophysical Research</i> , 1974 , 79, 2811-2820		182
30	Variability of mid-latitude magnetic parameters used to characterize magnetospheric substorms. <i>Journal of Geophysical Research</i> , 1974 , 79, 2898-2900		35
29	Application of linear inverse theory to a line current model of substorm current systems. <i>Journal of Geophysical Research</i> , 1974 , 79, 5202-5210		36
28	Semiannual variation of geomagnetic activity. <i>Journal of Geophysical Research</i> , 1973 , 78, 92-108		692
27	Satellite studies of magnetospheric substorms on August 15, 1968: 1. State of the magnetosphere. <i>Journal of Geophysical Research</i> , 1973 , 78, 3044-3053		34
26	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		23
25	Satellite studies of magnetospheric substorms on August 15, 1968: 4. Ogo 5 magnetic field observations. <i>Journal of Geophysical Research</i> , 1973 , 78, 3068-3078		43
24	Solar wind and substorm-related changes in the lobes of the geomagnetic tail. <i>Journal of Geophysical Research</i> , 1973 , 78, 8087-8096		92
23	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		20

22	Substorms in space: The correlation between ground and satellite observations of the magnetic field. <i>Radio Science</i> , 1973 , 8, 1059-1076	1.4	57
21	Satellite studies of magnetospheric substorms on August 15, 1968: 9. Phenomenological model for substorms. <i>Journal of Geophysical Research</i> , 1973 , 78, 3131-3149		947
20	Digital Data Acquisition and Processing from a Remote Magnetic Observatory 1973 , 11, 127-134		4
19	Statistical characteristics of storm-associated Pc 5 micropulsations observed at the synchronous equatorial orbit. <i>Journal of Geophysical Research</i> , 1972 , 77, 4720-4733		105
18	Investigation of interaction between Pc 1 and 2 and Pc 5 micropulsations at the synchronous orbit during magnetic storms. <i>Journal of Geophysical Research</i> , 1972 , 77, 4707-4719		35
17	Outer magnetosphere near midnight at quiet and disturbed times. <i>Journal of Geophysical Research</i> , 1972 , 77, 5487-5502		96
16	On the distinction between the auroral electrojet and partial ring current systems. <i>Journal of Geophysical Research</i> , 1972 , 77, 6886-6889		46
15	Fluctuating magnetic fields in the magnetosphere. <i>Space Science Reviews</i> , 1972 , 12, 810-856	7.5	50
14	Fluctuating magnetic fields in the magnetosphere. <i>Space Science Reviews</i> , 1972 , 13, 411-454	7.5	136
13	Magnetic field variations in the near geomagnetic tail associated with weak substorm activity. <i>Journal of Geophysical Research</i> , 1971 , 76, 1823-1829		51
12	Satellite observations of band-limited micropulsations during a magnetospheric substorm. <i>Journal of Geophysical Research</i> , 1971 , 76, 3010-3021		28
11	Magnetotail changes in relation to the solar wind magnetic field and magnetospheric substorms. <i>Journal of Geophysical Research</i> , 1971 , 76, 4381-4401		111
10	Magnetic fluctuations during magnetospheric substorms: 1. Expansion phase. <i>Journal of Geophysical Research</i> , 1970 , 75, 3927-3931		33
9	Growth phase of magnetospheric substorms. <i>Journal of Geophysical Research</i> , 1970 , 75, 5592-5599		365
8	A Mobile Geomagnetic Observatory 1969 , 7, 27-34		3
7	Studies of the magnetospheric substorm: 1. Characteristics of modulated energetic electron precipitation occurring during auroral substorms. <i>Journal of Geophysical Research</i> , 1968 , 73, 1685-1696		56
6	Studies of the magnetospheric substorm: 2. Correlated magnetic micropulsations and electron precipitation occurring during auroral substorms. <i>Journal of Geophysical Research</i> , 1968 , 73, 1697-1713		67
5	Studies of the magnetospheric substorm: 3. Concept of the magnetospheric substorm and its relation to electron precipitation and micropulsations. <i>Journal of Geophysical Research</i> , 1968 , 73, 1715-1722		45

- 4 Correlation between occurrence of pearl pulsations and interplanetary magnetic field sector boundaries. *Journal of Geophysical Research*, **1967**, 72, 393 12
- 3 Direct correspondence between X-ray microbursts and impulsive micropulsations. *Journal of Geophysical Research*, **1967**, 72, 414 8
- 2 Relation of 5- to 40-Second-period geomagnetic micropulsations and electron precipitation to the auroral substorm. *Journal of Geophysical Research*, **1966**, 71, 5743-5745 15
- 1 Auroral-zone pearl pulsations. *Journal of Geophysical Research*, **1965**, 70, 5867-5882 16