

C J Farrugia

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.

194
papers

5,654
citations

42
h-index

67
g-index

201
ext. papers

6,275
ext. citations

3.9
avg, IF

5.33
L-index

#	Paper	IF	Citations
194	Investigating the Cross Sections of Coronal Mass Ejections through the Study of Nonradial Flows with STEREO/PLASTIC. <i>Astrophysical Journal</i> , 2022 , 927, 68	4.7	1
193	A Coronal Mass Ejection and Magnetic Ejecta Observed In Situ by STEREO-A and Wind at 55° Angular Separation. <i>Astrophysical Journal</i> , 2022 , 929, 149	4.7	0
192	Origin and structure of electromagnetic generator regions at the edge of the electron diffusion region. <i>Physics of Plasmas</i> , 2021 , 28, 112901	2.1	2
191	Observing the prevalence of thin current sheets downstream of Earth's bow shock. <i>Physics of Plasmas</i> , 2021 , 28, 102902	2.1	4
190	Categorization of Coronal Mass Ejection-driven Sheath Regions: Characteristics of STEREO Events. <i>Astrophysical Journal</i> , 2021 , 921, 57	4.7	2
189	A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029294	2.6	
188	Energy Conversion Within Current Sheets in the Earth's Quasi-Parallel Magnetosheath. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091859	4.9	3
187	An Encounter With the Ion and Electron Diffusion Regions at a Flapping and Twisted Tail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028903	2.6	3
186	A Study of a Magnetic Cloud Propagating Through Large-Amplitude Alfvén Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027638	2.6	0
185	Characteristics of Minor Ions and Electrons in Flux Transfer Events Observed by the Magnetospheric Multiscale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027778	2.6	6
184	Unusually low density regions in the compressed slow wind: Solar wind transients of small coronal hole origin. <i>Astronomy and Astrophysics</i> , 2020 , 635, A49	5.1	1
183	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086726	4.9	9
182	Latitudinal Dependence of the Kelvin-Helmholtz Instability and Beta Dependence of Vortex-Induced High-Guide Field Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027333	2.6	4
181	A New Method of 3-D Magnetic Field Reconstruction. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085542	4.9	14
180	Evolution of a Long-Duration Coronal Mass Ejection and Its Sheath Region Between Mercury and Earth on 9–14 July 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027213	2.6	16
179	A Survey of Interplanetary Small Flux Ropes at Mercury. <i>Astrophysical Journal</i> , 2020 , 894, 120	4.7	6
178	Inconsistencies Between Local and Global Measures of CME Radial Expansion as Revealed by Spacecraft Conjunctions. <i>Astrophysical Journal</i> , 2020 , 899, 119	4.7	11

177	Properties of the Sheath Regions of Coronal Mass Ejections with or without Shocks from STEREO in situ Observations near 1 au. <i>Astrophysical Journal</i> , 2020 , 904, 177	4.7	6
176	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6850-6868	2.6	5
175	CME-HSS Interaction and Characteristics Tracked from Sun to Earth. <i>Solar Physics</i> , 2019 , 294, 121	2.6	21
174	Numerical Algorithm for Detecting Ion Diffusion Regions in the Geomagnetic Tail With Applications to MMS Tail Season 1 May to 30 September 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6487-6503	2.6	6
173	Heliospheric Evolution of Magnetic Clouds. <i>Astrophysical Journal</i> , 2019 , 877, 77	4.7	22
172	Effect of Rapid Changes of Solar Wind Conditions on the Pickup Ion Velocity Distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6418-6437	2.6	5
171	Velocity Rotation Events in the Outer Magnetosphere Near the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4137-4156	2.6	2
170	The Storm Time Development of Source Electrons and Chorus Wave Activity During CME- and CIR-Driven Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6438-6452	2.6	9
169	The Storm-Time Ring Current Response to ICMEs and CIRs Using Van Allen Probe Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9017-9039	2.6	9
168	Evolution of Coronal Mass Ejection Properties in the Inner Heliosphere: Prediction for the Solar Orbiter and Parker Solar Probe. <i>Astrophysical Journal</i> , 2019 , 884, 179	4.7	5
167	The Magnetic Morphology of Magnetic Clouds: Multi-spacecraft Investigation of Twisted and Wrihted Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2019 , 870, 100	4.7	13
166	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 146-162	2.6	9
165	Differing Properties of Two Ion-Scale Magnetopause Flux Ropes. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 114-131	2.6	7
164	Forward Modeling of Coronal Mass Ejection Flux Ropes in the Inner Heliosphere with 3DCORE. <i>Space Weather</i> , 2018 , 16, 216-229	3.7	33
163	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1779	2.6	24
162	Effects in the Near-Magnetopause Magnetosheath Elicited by Large-Amplitude Alfvénic Fluctuations Terminating in a Field and Flow Discontinuity. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8983-9004	2.6	1
161	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
160	The Magnetic Field Geometry of Small Solar Wind Flux Ropes Inferred from Their Twist Distribution. <i>Solar Physics</i> , 2018 , 293, 1	2.6	3

159	The Outer Radiation Belt Response to the Storm Time Development of Seed Electrons and Chorus Wave Activity During CME and CIR Driven Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 10,139	2.6	19
158	Forecasting Periods of Strong Southward Magnetic Field Following Interplanetary Shocks. <i>Space Weather</i> , 2018 , 16, 2004-2021	3.7	8
157	Observational Evidence of Large-Scale Multiple Reconnection at the Earth's Dayside Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8407-8421	2.6	16
156	On the Spatial Coherence of Magnetic Ejecta: Measurements of Coronal Mass Ejections by Multiple Spacecraft Longitudinally Separated by 0.01 au. <i>Astrophysical Journal Letters</i> , 2018 , 864, L7	7.9	24
155	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. <i>Geophysical Research Letters</i> , 2017 , 44, 1625-1633	4.9	6
154	The Interaction of Successive Coronal Mass Ejections: A Review. <i>Solar Physics</i> , 2017 , 292, 1	2.6	109
153	EDR signatures observed by MMS in the 16 October event presented in a 2-D parametric space. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3262-3276	2.6	2
152	Concerning the helium-to-hydrogen number density ratio in very slow ejecta and winds near solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1487-1512	2.6	1
151	Relativistic Electron Increase During Chorus Wave Activities on the 68 March 2016 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,302-11,319	2.6	4
150	Importance of CME Radial Expansion on the Ability of Slow CMEs to Drive Shocks. <i>Astrophysical Journal</i> , 2017 , 848, 75	4.7	19
149	In Situ Analysis of Heliospheric Current Sheet Propagation. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9803-9814	2.6	5
148	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Sub-Alfvénic Flow. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9934-9951	2.6	2
147	A multispacecraft study of a small flux rope entrained by rolling back magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6927-6939	2.6	7
146	Structure and Dissipation Characteristics of an Electron Diffusion Region Observed by MMS During a Rapid, Normal-Incidence Magnetopause Crossing. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,901-11,916	2.6	14
145	The Interaction of Successive Coronal Mass Ejections: A Review 2017 , 79-115		2
144	Longitudinal conjunction between MESSENGER and STEREO A: Development of ICME complexity through stream interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6092-6106	2.6	43
143	COMPARISON OF MAGNETIC PROPERTIES IN A MAGNETIC CLOUD AND ITS SOLAR SOURCE ON 2013 APRIL 11-14. <i>Astrophysical Journal</i> , 2016 , 828, 12	4.7	10
142	Multipoint MMS observations of fine-scale SAPS structure in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 7294-7300	4.9	8

141	Small solar wind transients at 1 AU: STEREO observations (2007-2014) and comparison with near-Earth wind results (1995-2014). <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5005-5024	2.6	26
140	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvénic flow. <i>Geophysical Research Letters</i> , 2016 , 43, 6070-6077	4.9	20
139	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , 2016 , 43, 5918-5925	4.9	68
138	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. <i>Geophysical Research Letters</i> , 2016 , 43, 9397-9405	4.9	5
137	Factors Affecting the Geo-effectiveness of Shocks and Sheaths at 1 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10861-10879	2.6	46
136	A multievent study of the coincidence of heliospheric current sheet and stream interface. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,768-10,782	2.6	5
135	Earth's magnetosphere and outer radiation belt under sub-Alfvénic solar wind. <i>Nature Communications</i> , 2016 , 7, 13001	17.4	14
134	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9926-9939	2.6	23
133	A CIRCULAR-CYLINDRICAL FLUX-ROPE ANALYTICAL MODEL FOR MAGNETIC CLOUDS. <i>Astrophysical Journal</i> , 2016 , 823, 27	4.7	46
132	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 3042-3050	4.9	65
131	Sources of the Slow Solar Wind During the Solar Cycle 23/24 Minimum. <i>Solar Physics</i> , 2016 , 291, 2441-2456	2.6	21
130	Shocks inside CMEs: A survey of properties from 1997 to 2006. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2409-2427	2.6	54
129	Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars. <i>Nature Communications</i> , 2015 , 6, 7135	17.4	111
128	Statistical study of magnetic cloud erosion by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 43-60	2.6	84
127	Interplanetary coronal mass ejections from MESSENGER orbital observations at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6101-6118	2.6	61
126	Extreme geomagnetic disturbances due to shocks within CMEs. <i>Geophysical Research Letters</i> , 2015 , 42, 4694-4701	4.9	37
125	A statistical analysis of properties of small transients in the solar wind 2007-2009: STEREO and Wind observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 689-708	2.6	40
124	A new class of complex ejecta resulting from the interaction of two CMEs and its expected geoeffectiveness. <i>Geophysical Research Letters</i> , 2014 , 41, 769-776	4.9	51

123	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. <i>Astrophysical Journal</i> , 2014 , 787, 119	4.7	128
122	A statistical analysis of heliospheric plasma sheets, heliospheric current sheets, and sector boundaries observed in situ by STEREO. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8721-8732	2.6	25
121	An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud. <i>Solar Physics</i> , 2014 , 289, 4173-4208	2.6	4
120	Slow mode structure in the nightside magnetosheath related to IMF draping. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1121-1128	2.6	
119	A vortical dawn flank boundary layer for near-radial IMF: Wind observations on 24 October 2001. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4572-4590	2.6	10
118	Structure of a reconnection layer poleward of the cusp: Extreme density asymmetry and a guide field. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7343-7362	2.6	8
117	Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections. <i>Nature Communications</i> , 2014 , 5, 3481	17.4	178
116	Heliospheric Imaging of 3D Density Structures During the Multiple Coronal Mass Ejections of Late July to Early August 2010. <i>Solar Physics</i> , 2013 , 285, 317-348	2.6	31
115	Magnetic Field Configuration Models and Reconstruction Methods for Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , 2013 , 284, 129-149	2.6	48
114	Effect of Electron Pressure on the Grad-Shafranov Reconstruction of Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , 2013 , 284, 275-291	2.6	13
113	Small solar wind transients: Stereo-A observations in 2009 2013 ,		2
112	Observational aspects of IMF draping-related magnetosheath accelerations for northward IMF. <i>Annales Geophysicae</i> , 2013 , 31, 1779-1789	2	3
111	THE INTERACTION OF TWO CORONAL MASS EJECTIONS: INFLUENCE OF RELATIVE ORIENTATION. <i>Astrophysical Journal</i> , 2013 , 778, 20	4.7	49
110	Complex Evolution of Coronal Mass Ejections in the Inner Heliosphere as Revealed by Numerical Simulations and STEREO Observations: A Review. <i>Proceedings of the International Astronomical Union</i> , 2013 , 8, 255-264	0.1	2
109	Constraining the Kinematics of Coronal Mass Ejections in the Inner Heliosphere with In-Situ Signatures. <i>Solar Physics</i> , 2012 , 276, 293-314	2.6	35
108	Deep Solar Activity Minimum 2007-2009: Solar Wind Properties and Major Effects on the Terrestrial Magnetosphere. <i>Solar Physics</i> , 2012 , 281, 461	2.6	4
107	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		107
106	Accelerated magnetosheath flows caused by IMF draping: Dependence on latitude. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	12

105	Cluster observations of the dusk flank magnetopause near the sash: Ion dynamics and flow-through reconnection. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		8
104	THE DEFLECTION OF THE TWO INTERACTING CORONAL MASS EJECTIONS OF 2010 MAY 23-24 AS REVEALED BY COMBINED IN SITU MEASUREMENTS AND HELIOSPHERIC IMAGING. <i>Astrophysical Journal</i> , 2012 , 759, 68	4.7	122
103	Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008 & 2010: Lessons for Future Observations of Earth-Directed CMEs. <i>Solar Physics</i> , 2012 , 279, 497-515	2.6	20
102	Plasma flows, Birkeland currents and auroral forms in relation to the Svalgaard-Mansurov effect. <i>Annales Geophysicae</i> , 2012 , 30, 817-830	2	12
101	Velocity shear instability and plasma billows at the Earth's magnetic boundary. <i>Journal of Physics: Conference Series</i> , 2012 , 370, 012003	0.3	4
100	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. <i>Astrophysical Journal</i> , 2012 , 750, 45	4.7	78
99	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2012 , 758, 10	4.7	95
98	On accelerated magnetosheath flows under northward IMF. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a		17
97	Crater flux transfer events: Highway to the X line?. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		14
96	Interactions of the heliospheric current and plasma sheets with the bow shock: Cluster and Polar observations in the magnetosheath. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		4
95	A comparison of space weather analysis techniques used to predict the arrival of the Earth-directed CME and its shockwave launched on 8 April 2010. <i>Space Weather</i> , 2011 , 9, n/a-n/a	3.7	30
94	Use of single-component wind speed in Rankine-Hugoniot analysis of interplanetary shocks. <i>Space Weather</i> , 2011 , 9, n/a-n/a	3.7	8
93	The Magnetosphere Mixing Layer: Observations, MHD Stability, and Large Eddy Simulations. <i>Journal of Physics: Conference Series</i> , 2011 , 296, 012006	0.3	1
92	ON THE INTERNAL STRUCTURE OF THE MAGNETIC FIELD IN MAGNETIC CLOUDS AND INTERPLANETARY CORONAL MASS EJECTIONS: WRITHE VERSUS TWIST. <i>Astrophysical Journal Letters</i> , 2011 , 738, L18	7.9	33
91	ARRIVAL TIME CALCULATION FOR INTERPLANETARY CORONAL MASS EJECTIONS WITH CIRCULAR FRONTS AND APPLICATION TO STEREO OBSERVATIONS OF THE 2009 FEBRUARY 13 ERUPTION. <i>Astrophysical Journal</i> , 2011 , 741, 34	4.7	45
90	PLASMID RELEASES IN THE HELIOSPHERIC CURRENT SHEET AND ASSOCIATED CORONAL HOLE BOUNDARY LAYER EVOLUTION. <i>Astrophysical Journal</i> , 2011 , 737, 16	4.7	26
89	MAGNETIC KELVIN-HELMHOLTZ INSTABILITY AT THE SUN. <i>Astrophysical Journal Letters</i> , 2011 , 729, L8	7.9	138
88	Dayside and nightside contributions to cross-polar cap potential variations: the 20 March 2001 ICME case. <i>Annales Geophysicae</i> , 2011 , 29, 2189-2201	2	15

87	He Pickup Ions in the Inner Heliosphere Diagnostics of the Local Interstellar Gas and of Interplanetary Conditions 2010 ,		8
86	Kelvin-Helmholtz Multi-Spacecraft Studies at the Earth's Magnetopause Boundaries 2010 ,		7
85	Solar wind quasi invariant within ICMEs 2010 ,		1
84	Magnetosheath for almost-aligned solar wind magnetic field and flow vectors: Wind observations across the dawnside magnetosheath at X = 12 Re. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		11
83	On the multispacecraft determination of periodic surface wave phase speeds and wavelengths. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		11
82	Escape of O ⁺ through the distant tail plasma sheet. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	15
81	STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5 th April 2010. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	84
80	Characteristics of storm time electric fields in the inner magnetosphere derived from Cluster data. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		5
79	Multispacecraft Observations of Magnetic Clouds and Their Solar Origins between 19 and 23 May 2007. <i>Solar Physics</i> , 2009 , 254, 325-344	2.6	62
78	Temporal Evolution of the Solar Wind Bulk Velocity at Solar Minimum by Correlating the STEREO A and B PLASTIC Measurements. <i>Solar Physics</i> , 2009 , 256, 365-377	2.6	35
77	Optimized Grad-Shafranov Reconstruction of a Magnetic Cloud Using STEREO-Wind Observations. <i>Solar Physics</i> , 2009 , 256, 427-441	2.6	59
76	In Situ Observations of Solar Wind Stream Interface Evolution. <i>Solar Physics</i> , 2009 , 259, 323-344	2.6	17
75	The Solar Wind Quasi-Invariant Observed by STEREO A and B at Solar Minimum 2007 and Comparison with Two Other Minima. <i>Solar Physics</i> , 2009 , 259, 381-388	2.6	6
74	Reply to comment by H. Hasegawa on Evolution of Kelvin-Helmholtz activity on the dusk flank magnetopause <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		3
73	Multispacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		46
72	LINKING REMOTE IMAGERY OF A CORONAL MASS EJECTION TO ITS IN SITU SIGNATURES AT 1 AU. <i>Astrophysical Journal</i> , 2009 , 705, L180-L185	4.7	78
71	Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum. <i>Annales Geophysicae</i> , 2009 , 27, 3909-3922	2	11
70	Two-stage oscillatory response of the magnetopause to a tangential discontinuity/vortex sheet followed by northward IMF: Cluster observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		11

69	Correlation length of large-scale solar wind velocity fluctuations measured tangent to the Earth's orbit: First results from Stereo. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		5
68	A slow mode transition region adjoining the front boundary of a magnetic cloud as a relic of a convected solar wind feature: Observations and MHD simulation. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		9
67	Cluster observations of fast shocks in the magnetosheath launched as a tangential discontinuity with a pressure increase crossed the bow shock. <i>Journal of Geophysical Research</i> , 2008 , 113,		17
66	Evolution of Kelvin-Helmholtz activity on the dusk flank magnetopause. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		83
65	The Plasma and Suprathermal Ion Composition (PLASTIC) Investigation on the STEREO Observatories. <i>Space Science Reviews</i> , 2008 , 136, 437-486	7.5	309
64	Two-spacecraft reconstruction of a magnetic cloud and comparison to its solar source. <i>Annales Geophysicae</i> , 2008 , 26, 3139-3152	2	67
63	Consequences of the force-free model of magnetic clouds for their heliospheric evolution. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		74
62	Role of poleward moving auroral forms in the dawn-dusk auroral precipitation asymmetries induced by IMF By. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		19
61	Cluster observations of broadband ULF waves near the dayside polar cap boundary: Two detailed multi-instrument event studies. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		3
60	Interaction of the bow shock with a tangential discontinuity and solar wind density decrease: Observations of predicted fast mode waves and magnetosheath merging. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		20
59	The magnetosphere under weak solar wind forcing. <i>Annales Geophysicae</i> , 2007 , 25, 191-205	2	8
58	Poleward moving auroral forms (PMAFs) revisited: responses of aurorae, plasma convection and Birkeland currents in the pre- and postnoon sectors under positive and negative IMF B_y conditions. <i>Annales Geophysicae</i> , 2007 , 25, 1629-1652	2	38
57	Spatiotemporal structure of the reconnecting magnetosphere under By-dominated interplanetary magnetic cloud conditions. <i>Journal of Geophysical Research</i> , 2006 , 111,		6
56	A two-ejecta event associated with a two-step geomagnetic storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		64
55	IMF By and the Spatio-Temporal Structure of the Dayside Aurora. <i>Geophysical Monograph Series</i> , 2006 , 213-233	1.1	2
54	Interplanetary coronal mass ejection and ambient interplanetary magnetic field correlations during the Sun-Earth connection events of October–November 2003. <i>Journal of Geophysical Research</i> , 2005 , 110,		16
53	Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse. <i>Journal of Geophysical Research</i> , 2005 , 110,		54
52	A statistical investigation of dayside magnetosphere erosion showing saturation of response. <i>Journal of Geophysical Research</i> , 2005 , 110,		15

51	Dayside aurora and the role of IMF morphology and response to magnetopause reconnection. <i>Annales Geophysicae</i> , 2004 , 22, 613-628	2	23
50	Evolutionary signatures in complex ejecta and their driven shocks. <i>Annales Geophysicae</i> , 2004 , 22, 3679-3698		75
49	Transient reconnection in the cusp during strongly negative IMF By. <i>Journal of Geophysical Research</i> , 2004 , 109,		11
48	Electromagnetic ion cyclotron waves in the subsolar region under normal dynamic pressure: Wind observations and theory. <i>Journal of Geophysical Research</i> , 2004 , 109,		5
47	Temporal and spatial aspects of the cusp inferred from local and global ground- and space-based observations in a case study. <i>Journal of Geophysical Research</i> , 2004 , 109,		7
46	Concerning a problem on the Kelvin-Helmholtz stability of the thin magnetopause. <i>Journal of Geophysical Research</i> , 2004 , 109,		17
45	Solar-Heliospheric-Magnetospheric Observations on March 23/April 26, 2001: Similarities to Observations in April 1979. <i>AIP Conference Proceedings</i> , 2003 ,	0	11
44	The Aurora as Monitor of Solar Wind-Magnetosphere Interactions. <i>Geophysical Monograph Series</i> , 2003 , 335-349	1.1	1
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