

# C J Farrugia

## List of Publications by Citations

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194  
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6,275  
ext. citations

3.9  
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5.33  
L-index

#	Paper	IF	Citations
194	The Plasma and Suprathermal Ion Composition (PLASTIC) Investigation on the STEREO Observatories. <i>Space Science Reviews</i> , <b>2008</b> , 136, 437-486	7.5	309
193	Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections. <i>Nature Communications</i> , <b>2014</b> , 5, 3481	17.4	178
192	A study of an expanding interplanetary magnetic cloud and its interaction with the Earth's magnetosphere: The interplanetary aspect. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 7621-7632		160
191	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , <b>2018</b> , 362, 1391-1395	33.3	139
190	MAGNETIC KELVIN-HELMHOLTZ INSTABILITY AT THE SUN. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 729, L8	7.9	138
189	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. <i>Astrophysical Journal</i> , <b>2014</b> , 787, 119	4.7	128
188	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> , <b>2012</b> , 759, 68	4.7	122
187	Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars. <i>Nature Communications</i> , <b>2015</b> , 6, 7135	17.4	111
186	The Interaction of Successive Coronal Mass Ejections: A Review. <i>Solar Physics</i> , <b>2017</b> , 292, 1	2.6	109
185	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		107
184	A multi-instrument study of flux transfer event structure. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 14465		107
183	The Earth's magnetosphere under continued forcing: Substorm activity during the passage of an interplanetary magnetic cloud. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 7657-7671		96
182	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> , <b>2012</b> , 758, 10	4.7	95
181	Statistical study of magnetic cloud erosion by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 43-60	2.6	84
180	STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5 <sup>th</sup> April 2010. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	84
179	Evolution of Kelvin-Helmholtz activity on the dusk flank magnetopause. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		83
178	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. <i>Astrophysical Journal</i> , <b>2012</b> , 750, 45	4.7	78

177	LINKING REMOTE IMAGERY OF A CORONAL MASS EJECTION TO ITS IN SITU SIGNATURES AT 1 AU. <i>Astrophysical Journal</i> , <b>2009</b> , 705, L180-L185	4.7	78
176	Evolutionary signatures in complex ejecta and their driven shocks. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 3679-3698		75
175	Consequences of the force-free model of magnetic clouds for their heliospheric evolution. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		74
174	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5918-5925	4.9	68
173	Two-spacecraft reconstruction of a magnetic cloud and comparison to its solar source. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 3139-3152	2	67
172	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3042-3050	4.9	65
171	A two-ejecta event associated with a two-step geomagnetic storm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		64
170	Magnetic Clouds and the Quiet-Storm Effect at Earth. <i>Geophysical Monograph Series</i> , <b>1997</b> , 91-106	1.1	63
169	Charts of joint Kelvin-Helmholtz and Rayleigh-Taylor instabilities at the dayside magnetopause for strongly northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 6703-6727		63
168	The interaction of a magnetic cloud with the Earth: Ionospheric convection in the northern and southern hemispheres for a wide range of quasi-steady interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 7633-7655		63
167	Multispacecraft Observations of Magnetic Clouds and Their Solar Origins between 19 and 23 May 2007. <i>Solar Physics</i> , <b>2009</b> , 254, 325-344	2.6	62
166	Interplanetary coronal mass ejections from MESSENGER orbital observations at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6101-6118	2.6	61
165	Optimized Grad-Shafranov Reconstruction of a Magnetic Cloud Using STEREO-Wind Observations. <i>Solar Physics</i> , <b>2009</b> , 256, 427-441	2.6	59
164	Shocks inside CMEs: A survey of properties from 1997 to 2006. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2409-2427	2.6	54
163	Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		54
162	Polytropic relationship in interplanetary magnetic clouds. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 15331		53
161	A new class of complex ejecta resulting from the interaction of two CMEs and its expected geoeffectiveness. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 769-776	4.9	51
160	THE INTERACTION OF TWO CORONAL MASS EJECTIONS: INFLUENCE OF RELATIVE ORIENTATION. <i>Astrophysical Journal</i> , <b>2013</b> , 778, 20	4.7	49

159	Magnetic Field Configuration Models and Reconstruction Methods for Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , <b>2013</b> , 284, 129-149	2.6	48
158	Anomalous magnetosheath properties during Earth passage of an interplanetary magnetic cloud. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 19245		48
157	Factors Affecting the Geo-effectiveness of Shocks and Sheaths at 1 AU. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 10861-10879	2.6	46
156	A CIRCULAR-CYLINDRICAL FLUX-ROPE ANALYTICAL MODEL FOR MAGNETIC CLOUDS. <i>Astrophysical Journal</i> , <b>2016</b> , 823, 27	4.7	46
155	Multispacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		46
154	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> , <b>2011</b> , 741, 34	4.7	45
153	Longitudinal conjunction between MESSENGER and STEREO A: Development of ICME complexity through stream interactions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6092-6106	2.6	43
152	Viscous-type processes in the solar wind-magnetosphere interaction. <i>Space Science Reviews</i> , <b>2001</b> , 95, 443-456	7.5	42
151	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> , <b>2014</b> , 119, 689-708	2.6	40
150	Geometric considerations of the evolution of magnetic flux ropes. <i>Physical Review E</i> , <b>2003</b> , 67, 036405	2.4	39
149	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 conditions. <i>Annales Geophysicae</i> , <b>2007</b> , 25, 1629-1652	2	38
148	Extreme geomagnetic disturbances due to shocks within CMEs. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 4694-4701	4.9	37
147	A statistical study of the behavior of the electron temperature in ejecta. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 4691-4699		36
146	On the source and acceleration of energetic He <sup>+</sup> : A long-term observation with ACE/SEPICA. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		36
145	Constraining the Kinematics of Coronal Mass Ejections in the Inner Heliosphere with In-Situ Signatures. <i>Solar Physics</i> , <b>2012</b> , 276, 293-314	2.6	35
144	Temporal Evolution of the Solar Wind Bulk Velocity at Solar Minimum by Correlating the STEREO A and B PLASTIC Measurements. <i>Solar Physics</i> , <b>2009</b> , 256, 365-377	2.6	35
143	Forward Modeling of Coronal Mass Ejection Flux Ropes in the Inner Heliosphere with 3DCORE. <i>Space Weather</i> , <b>2018</b> , 16, 216-229	3.7	33
142	ON THE INTERNAL STRUCTURE OF THE MAGNETIC FIELD IN MAGNETIC CLOUDS AND INTERPLANETARY CORONAL MASS EJECTIONS: WRITHE VERSUS TWIST. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 738, L18	7.9	33

141	Geoeffectiveness of three Wind magnetic clouds: A comparative study. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17261-17278		33
140	A uniform-twist magnetic flux rope in the solar wind <b>1999</b> ,		33
139	Observation of a correspondence between poleward moving auroral forms and stepped cusp ion precipitation. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 9309-9315		32
138	Simultaneous observations of solar MeV particles in a magnetic cloud and in the Earth's northern tail lobe: Implications for the global field line topology of magnetic clouds and for the entry of solar particles into the magnetosphere during cloud passage. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 15497		32
137	Heliospheric Imaging of 3D Density Structures During the Multiple Coronal Mass Ejections of Late July to Early August 2010. <i>Solar Physics</i> , <b>2013</b> , 285, 317-348	2.6	31
136	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> , <b>2011</b> , 9, n/a-n/a	3.7	30
135	Halo-coronal mass ejections near the 23rd solar minimum: lift-off, inner heliosphere, and in situ (1 AU) signatures. <i>Annales Geophysicae</i> , <b>2002</b> , 20, 891-916	2	29
134	An interplanetary planar magnetic structure oriented at a large (~ 80 deg) angle to the Parker spiral. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 1025-1028	4.9	29
133	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> , <b>2016</b> , 121, 5005-5024	2.6	26
132	PLASMID RELEASES IN THE HELIOSPHERIC CURRENT SHEET AND ASSOCIATED CORONAL HOLE BOUNDARY LAYER EVOLUTION. <i>Astrophysical Journal</i> , <b>2011</b> , 737, 16	4.7	26
131	Field and flow perturbations in the October 18 <sup>th</sup> , 1995, magnetic cloud. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17249-17259		26
130	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> , <b>2014</b> , 119, 8721-8732	2.6	25
129	Aspects of MHD flow about Venus. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 12617-12626		25
128	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> , <b>2018</b> , 123, 1779	2.6	24
127	A parametric study of the influence of ion and electron properties on the excitation of electromagnetic ion cyclotron waves in coronal mass ejections. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		24
126	Does the aurora provide evidence for the occurrence of antiparallel magnetopause reconnection?. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		24
125	Motion of the dusk flank boundary layer caused by solar wind pressure changes and the Kelvin-Helmholtz instability: 10 <sup>th</sup> January 1997. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		24
124	Capture of magnetosheath plasma by the magnetosphere during northward IMF. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2833-2836	4.9	24

123	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> , <b>2018</b> , 864, L7	7.9	24
122	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9926-9939	2.6	23
121	MHD model of magnetosheath flow: comparison with AMPTE/IRM observations on 24 October, 1985. <i>Annales Geophysicae</i> , <b>1998</b> , 16, 518-527	2	23
120	Dayside aurora and the role of IMF  &lt;i&gt;B&lt;sub&gt;y&lt;/sub&gt;&lt;/i&gt; &lt;i&gt;B&lt;sub&gt;z&lt;/sub&gt;&lt;/i&gt; : detailed morphology and response to magnetopause reconnection. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 613-628	2	23
119	Effects on the Jovian magnetosheath arising from solar wind flow around nonaxisymmetric bodies. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 10665-10672		23
118	Heliospheric Evolution of Magnetic Clouds. <i>Astrophysical Journal</i> , <b>2019</b> , 877, 77	4.7	22
117	Wind and ACE observations during the great flow of 14 May 1998: Relation to solar activity and implications for the magnetosphere. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SSH 3-1		22
116	Ideal MHD flow behind interplanetary shocks driven by magnetic clouds. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 19919		22
115	CME-HSS Interaction and Characteristics Tracked from Sun to Earth. <i>Solar Physics</i> , <b>2019</b> , 294, 121	2.6	21
114	Multistage substorm expansion: Auroral dynamics in relation to plasma sheet particle injection, precipitation, and plasma convection. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 4-1		21
113	Sources of the Slow Solar Wind During the Solar Cycle 23/24 Minimum. <i>Solar Physics</i> , <b>2016</b> , 291, 2441-2456	5.6	21
112	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> , <b>2016</b> , 43, 6070-6077	4.9	20
111	Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008–2010: Lessons for Future Observations of Earth-Directed CMEs. <i>Solar Physics</i> , <b>2012</b> , 279, 497-515	2.6	20
110	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> , <b>2007</b> , 112, n/a-n/a		20
109	Importance of CME Radial Expansion on the Ability of Slow CMEs to Drive Shocks. <i>Astrophysical Journal</i> , <b>2017</b> , 848, 75	4.7	19
108	Role of poleward moving auroral forms in the dawn-dusk auroral precipitation asymmetries induced by IMF By. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		19
107	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> , <b>2018</b> , 123, 10,139	2.6	19
106	Auroral structure at the cusp equatorward boundary: Relationship with the electron edge of low-latitude boundary layer precipitation. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 10-1		18

105	A linear perturbation analysis of magnetopause motion in the Newton-Busemann limit. <i>Annales Geophysicae</i> , <b>1995</b> , 13, 907-918	2	18
104	On accelerated magnetosheath flows under northward IMF. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	17
103	In Situ Observations of Solar Wind Stream Interface Evolution. <i>Solar Physics</i> , <b>2009</b> , 259, 323-344	2.6	17
102	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> , <b>2008</b> , 113,		17
101	Concerning a problem on the Kelvin-Helmholtz stability of the thin magnetopause. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		17
100	Response of the equatorial and polar magnetosphere to the very tenuous solar wind on May 11, 1999. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 3773-3776	4.9	17
99	Dynamics of the aurora and associated convection currents during a cusp bifurcation event. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 4313-4316	4.9	17
98	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> , <b>2020</b> , 125, e2019JA027213	2.6	16
97	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> , <b>2005</b> , 110,		16
96	Wind-ACE solar wind correlations, 1999: An approach through spectral analysis. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SSH 7-1		16
95	Nature of fluctuations on directional discontinuities inside a solar ejection: Wind and IMP 8 observations. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 29283-29298		16
94	Observational Evidence of Large-Scale Multiple Reconnection at the Earth's Dayside Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8407-8421	2.6	16
93	Escape of O <sup>+</sup> through the distant tail plasma sheet. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	15
92	Dayside and nightside contributions to cross-polar cap potential variations: the 20 March 2001 ICME case. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 2189-2201	2	15
91	A statistical investigation of dayside magnetosphere erosion showing saturation of response. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		15
90	A New Method of 3-D Magnetic Field Reconstruction. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL085542	4.9	14
89	Earth's magnetosphere and outer radiation belt under sub-Alfvénic solar wind. <i>Nature Communications</i> , <b>2016</b> , 7, 13001	17.4	14
88	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> , <b>2017</b> , 122, 11,901-11,916	2.6	14

87	Crater flux transfer events: Highroad to the X line?. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		14
86	The cusp in rapid transition. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 8-1-SMP 8-10		14
85	Effect of Electron Pressure on the Grad-Shafranov Reconstruction of Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , <b>2013</b> , 284, 275-291	2.6	13
84	The Magnetic Morphology of Magnetic Clouds: Multi-spacecraft Investigation of Twisted and Writhed Coronal Mass Ejections. <i>Astrophysical Journal</i> , <b>2019</b> , 870, 100	4.7	13
83	Accelerated magnetosheath flows caused by IMF draping: Dependence on latitude. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	12
82	Plasma flows, Birkeland currents and auroral forms in relation to the Svalgaard-Mansurov effect. <i>Annales Geophysicae</i> , <b>2012</b> , 30, 817-830	2	12
81	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> , <b>2010</b> , 115, n/a-n/a		11
80	On the multispacecraft determination of periodic surface wave phase speeds and wavelengths. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		11
79	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> , <b>2008</b> , 113, n/a-n/a		11
78	Solar-Heliospheric-Magnetospheric Observations on March 23-April 26, 2001: Similarities to Observations in April 1979. <i>AIP Conference Proceedings</i> , <b>2003</b> ,	0	11
77	Transient reconnection in the cusp during strongly negative IMF By. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		11
76	Theoretical results on the latitude dependence of the Kelvin-Helmholtz instability at the dayside magnetopause for northward interplanetary magnetic fields. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		11
75	Temporal variations in a four-sheet field-aligned current system and associated aurorae as observed during a Polar-ground magnetic conjunction in the midmorning sector. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		11
74	Inconsistencies Between Local and Global Measures of CME Radial Expansion as Revealed by Spacecraft Conjunctions. <i>Astrophysical Journal</i> , <b>2020</b> , 899, 119	4.7	11
73	Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 3909-3922	2	11
72	COMPARISON OF MAGNETIC PROPERTIES IN A MAGNETIC CLOUD AND ITS SOLAR SOURCE ON 2013 APRIL 11-14. <i>Astrophysical Journal</i> , <b>2016</b> , 828, 12	4.7	10
71	A vortical dawn flank boundary layer for near-radial IMF: Wind observations on 24 October 2001. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 4572-4590	2.6	10
70	Ground disturbances of the ring, magnetopause, and tail currents on the day the solar wind almost disappeared. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 25529-25540		10



69	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086726	4.9	9
68	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 146-162	2.6	9
67	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> , <b>2019</b> , 124, 6438-6452	2.6	9
66	The Storm-Time Ring Current Response to ICMEs and CIRs Using Van Allen Probe Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9017-9039	2.6	9
65	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> , <b>2008</b> , 113, n/a-n/a		9
64	Multipoint MMS observations of fine-scale SAPS structure in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7294-7300	4.9	8
63	Structure of a reconnection layer poleward of the cusp: Extreme density asymmetry and a guide field. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7343-7362	2.6	8
62	Cluster observations of the dusk flank magnetopause near the sash: Ion dynamics and flow-through reconnection. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		8
61	Use of single-component wind speed in Rankine-Hugoniot analysis of interplanetary shocks. <i>Space Weather</i> , <b>2011</b> , 9, n/a-n/a	3.7	8
60	He Pickup Ions in the Inner Heliosphere Diagnostics of the Local Interstellar Gas and of Interplanetary Conditions <b>2010</b> ,		8
59	The magnetosphere under weak solar wind forcing. <i>Annales Geophysicae</i> , <b>2007</b> , 25, 191-205	2	8
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