C J Farrugia

List of Publications by Year
in descending order

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195	7,034	57631	76769
papers	citations	44 h-index	74 g-index

201	201	201	2934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Plasma and Suprathermal Ion Composition (PLASTIC) Investigation on the STEREO Observatories. Space Science Reviews, 2008, 136, 437-486.	3.7	360
2	Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections. Nature Communications, 2014, 5, 3481.	5.8	223
3	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
4	A study of an expanding interplanetary magnetic cloud and its interaction with the Earth's magnetosphere: The interplanetary aspect. Journal of Geophysical Research, 1993, 98, 7621-7632.	3.3	189
5	MAGNETIC KELVIN-HELMHOLTZ INSTABILITY AT THE SUN. Astrophysical Journal Letters, 2011, 729, L8.	3.0	164
6	The Interaction of Successive Coronal Mass Ejections: A Review. Solar Physics, 2017, 292, 1.	1.0	149
7	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. Astrophysical Journal, 2014, 787, 119.	1.6	145
8	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. Journal of Geophysical Research, 2012, 117, .	3.3	143
9	Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars. Nature Communications, 2015, 6, 7135.	5.8	142
10	THE DEFLECTION OF THE TWO INTERACTING CORONAL MASS EJECTIONS OF 2010 MAY 23-24 AS REVEALED BY COMBINED IN SITU MEASUREMENTS AND HELIOSPHERIC IMAGING. Astrophysical Journal, 2012, 759, 68.	1.6	137
11	A multiâ€instrument study of flux transfer event structure. Journal of Geophysical Research, 1988, 93, 14465-14477.	3.3	125
12	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. Astrophysical Journal, 2012, 758, 10.	1.6	109
13	The Earth's magnetosphere under continued forcing: Substorm activity during the passage of an interplanetary magnetic cloud. Journal of Geophysical Research, 1993, 98, 7657-7671.	3.3	108
14	Statistical study of magnetic cloud erosion by magnetic reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 43-60.	0.8	106
15	Consequences of the force-free model of magnetic clouds for their heliospheric evolution. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	95
16	Evolution of Kelvinâ€Helmholtz activity on the dusk flank magnetopause. Journal of Geophysical Research, 2008, 113, .	3.3	95
17	STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5â€“7 April 2010. Geophysical Research Letters, 2010, 37, .	1.5	92
18	Interplanetary coronal mass ejections from MESSENGER orbital observations at Mercury. Journal of Geophysical Research: Space Physics, 2015, 120, 6101-6118.	0.8	88

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19	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. Geophysical Research Letters, 2016, 43, 5918-5925.	1.5	86
20	Evolutionary signatures in complex ejecta and their driven shocks. Annales Geophysicae, 2004, 22, 3679-3698.	0.6	85
21	LINKING REMOTE IMAGERY OF A CORONAL MASS EJECTION TO ITS IN SITU SIGNATURES AT 1 AU. Astrophysical Journal, 2009, 705, L180-L185.	1.6	84
22	The interaction of a magnetic cloud with the Earth: Ionospheric convection in the northern and southern hemispheres for a wide range of quasiâ€steady interplanetary magnetic field conditions. Journal of Geophysical Research, 1993, 98, 7633-7655.	3.3	82
23	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. Astrophysical Journal, 2012, 750, 45.	1.6	82
24	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. Geophysical Research Letters, 2016, 43, 3042-3050.	1.5	81
25	Two-spacecraft reconstruction of a magnetic cloud and comparison to its solar source. Annales Geophysicae, 2008, 26, 3139-3152.	0.6	79
26	Magnetic clouds and the quiet-storm effect at Earth. Geophysical Monograph Series, 1997, , 91-106.	0.1	72
27	Charts of joint Kelvin-Helmholtz and Rayleigh-Taylor instabilites at the dayside magnetopause for strongly northward interplanetary magnetic field. Journal of Geophysical Research, 1998, 103, 6703-6727.	3.3	72
28	A two-ejecta event associated with a two-step geomagnetic storm. Journal of Geophysical Research, 2006, 111, .	3.3	71
29	Optimized Gradâ€‰â€“â€‰Shafranov Reconstruction ofÂaÂMagnetic Cloud Using STEREO-Wind Observations. Solar Physics, 2009, 256, 427-441.	1.0	69
30	Magnetic Field Configuration Models and Reconstruction Methods for Interplanetary Coronal Mass Ejections. Solar Physics, 2013, 284, 129-149.	1.0	69
31	Multispacecraft Observations of Magnetic Clouds andÂTheir Solar Origins between 19 and 23 May 2007. Solar Physics, 2009, 254, 325-344.	1.0	68
32	A CIRCULAR-CYLINDRICAL FLUX-ROPE ANALYTICAL MODEL FOR MAGNETIC CLOUDS. Astrophysical Journal, 2016, 823, 27.	1.6	67
33	Polytropic relationship in interplanetary magnetic clouds. Journal of Geophysical Research, 1993, 98, 15331-15342.	3.3	63
34	Factors affecting the geoeffectiveness of shocks and sheaths at 1ÂAU. Journal of Geophysical Research: Space Physics, 2016, 121, 10861-10879.	0.8	63
35	Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse. Journal of Geophysical Research, 2005, 110, .	3.3	62
36	Shocks inside CMEs: A survey of properties from 1997 to 2006. Journal of Geophysical Research: Space Physics, 2015, 120, 2409-2427.	0.8	60

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37	THE INTERACTION OF TWO CORONAL MASS EJECTIONS: INFLUENCE OF RELATIVE ORIENTATION. Astrophysical Journal, 2013, 778, 20.	1.6	58
38	Longitudinal conjunction between MESSENGER and STEREO A: Development of ICME complexity through stream interactions. Journal of Geophysical Research: Space Physics, 2016, 121, 6092-6106.	0.8	58
39	Anomalous magnetosheath properties during Earth passage of an interplanetary magnetic cloud. Journal of Geophysical Research, 1995, 100, 19245.	3.3	57
40	A new class of complex ejecta resulting from the interaction of two CMEs and its expected geoeffectiveness. Geophysical Research Letters, 2014, 41, 769-776.	1.5	54
41	Multispacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun. Journal of Geophysical Research, 2009, 114, .	3.3	51
42	ARRIVAL TIME CALCULATION FOR INTERPLANETARY CORONAL MASS EJECTIONS WITH CIRCULAR FRONTS AND APPLICATION TOSTEREOOBSERVATIONS OF THE 2009 FEBRUARY 13 ERUPTION. Astrophysical Journal, 2011, 741, 34.	1.6	51
43	A statistical analysis of properties of small transients in the solar wind 2007â€“2009: STEREO and Wind observations. Journal of Geophysical Research: Space Physics, 2014, 119, 689-708.	0.8	51
44	Geometric considerations of the evolution of magnetic flux ropes. Physical Review E, 2003, 67, 036405.	0.8	47
45	On the Spatial Coherence of Magnetic Ejecta: Measurements of Coronal Mass Ejections by Multiple Spacecraft Longitudinally Separated by 0.01 au. Astrophysical Journal Letters, 2018, 864, L7.	3.0	47
46	Extreme geomagnetic disturbances due to shocks within CMEs. Geophysical Research Letters, 2015, 42, 4694-4701.	1.5	46
47	Viscous-type processes in the solar wind-magnetosphere interaction. Space Science Reviews, 2001, 95, 443-456.	3.7	45
48	Forward Modeling of Coronal Mass Ejection Flux Ropes in the Inner Heliosphere with 3DCORE. Space Weather, 2018, 16, 216-229.	1.3	45
49	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 <I>B_y</I> conditions. Annales Geophysicae, 2007, 25, 1629-1652.	0.6	44
50	On the source and acceleration of energetic He+: A long-term observation with ACE/SEPICA. Journal of Geophysical Research, 2003, 108, .	3.3	43
51	A uniform-twist magnetic flux rope in the solar wind. , 1999, , .		42
52	Observation of a correspondence between poleward moving auroral forms and stepped cusp ion precipitation. Journal of Geophysical Research, 1998, 103, 9309-9315.	3.3	41
53	Constraining the Kinematics of Coronal Mass Ejections in the Inner Heliosphere with In-Situ Signatures. Solar Physics, 2012, 276, 293-314.	1.0	40
54	CMEâ€“HSS Interaction and Characteristics Tracked from Sun to Earth. Solar Physics, 2019, 294, 121.	1.0	40

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55	A statistical study of the behavior of the electron temperature in ejecta. Journal of Geophysical Research, 1997, 102, 4691-4699.	3.3	39
56	ON THE INTERNAL STRUCTURE OF THE MAGNETIC FIELD IN MAGNETIC CLOUDS AND INTERPLANETARY CORONAL MASS EJECTIONS: WRITHE VERSUS TWIST. Astrophysical Journal Letters, 2011, 738, L18.	3.0	39
57	Geoeffectiveness of three Wind magnetic clouds: A comparative study. Journal of Geophysical Research, 1998, 103, 17261-17278.	3.3	38
58	Temporal Evolution of the Solar Wind Bulk Velocity atÂSolar Minimum by Correlating the STEREO A andÂBÂPLASTIC Measurements. Solar Physics, 2009, 256, 365-377.	1.0	37
59	An interplanetary planar magnetic structure oriented at a large (â^¼ 80 deg) angle to the Parker spiral. Geophysical Research Letters, 1990, 17, 1025-1028.	1.5	36
60	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. Journal of Geophysical Research, 1993, 98, 15497-15507.	3.3	36
61	Halo-coronal mass ejections near the 23rd solar minimum: lift-off, inner heliosphere, and in situ (1 AU) signatures. Annales Geophysicae, 2002, 20, 891-916.	0.6	36
62	Capture of magnetosheath plasma by the magnetosphere during northward IMF. Geophysical Research Letters, 1999, 26, 2833-2836.	1.5	35
63	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvinâ€Helmholtz instability. Journal of Geophysical Research: Space Physics, 2016, 121, 9926-9939.	0.8	35
64	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 1779-1793.	0.8	35
65	Dayside aurora and the role of IMF â^£<i>B_y</i>â^£/â^£<i>B_z</i>â^£: detailed morphology and response to magnetopause reconnection. Annales Geophysicae, 2004, 22, 613-628.	0.6	34
66	Heliospheric Imaging of 3D Density Structures During the Multiple Coronal Mass Ejections of Late July to Early August 2010. Solar Physics, 2013, 285, 317-348.	1.0	34
67	Heliospheric Evolution of Magnetic Clouds. Astrophysical Journal, 2019, 877, 77.	1.6	34
68	Small solar wind transients at 1ÂAU: STEREO observations (2007â€“2014) and comparison with nearâ€Earth wind results (1995â€“2014). Journal of Geophysical Research: Space Physics, 2016, 121, 5005-5024.	0.8	33
69	PLASMOID RELEASES IN THE HELIOSPHERIC CURRENT SHEET AND ASSOCIATED CORONAL HOLE BOUNDARY LAYER EVOLUTION. Astrophysical Journal, 2011, 737, 16.	1.6	32
70	Does the aurora provide evidence for the occurrence of antiparallel magnetopause reconnection?. Journal of Geophysical Research, 2003, 108, .	3.3	31
71	Field and flow perturbations in the October 18-19, 1995, magnetic cloud. Journal of Geophysical Research, 1998, 103, 17249-17259.	3.3	30
72	A comparison of space weather analysis techniques used to predict the arrival of the Earthâ€directed CME and its shockwave launched on 8 April 2010. Space Weather, 2011, 9, .	1.3	30

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73	A statistical analysis of heliospheric plasma sheets, heliospheric current sheets, and sector boundaries observed in situ by STEREO. Journal of Geophysical Research: Space Physics, 2014, 119, 8721-8732.	0.8	30
74	Motion of the dusk flank boundary layer caused by solar wind pressure changes and the Kelvin-Helmholtz instability: 10â€“11 January 1997. Journal of Geophysical Research, 2003, 108, .	3.3	29
75	Importance of CME Radial Expansion on the Ability of Slow CMEs to Drive Shocks. Astrophysical Journal, 2017, 848, 75.	1.6	29
76	The Outer Radiation Belt Response to the Storm Time Development of Seed Electrons and Chorus Wave Activity During CME and CIR Driven Storms. Journal of Geophysical Research: Space Physics, 2018, 123, 10,139.	0.8	29
77	A New Method of 3â€D Magnetic Field Reconstruction. Geophysical Research Letters, 2020, 47, e2019GL085542.	1.5	29
78	Aspects of MHD flow about Venus. Journal of Geophysical Research, 1999, 104, 12617-12626.	3.3	28
79	Role of poleward moving auroral forms in the dawn-dusk auroral precipitation asymmetries induced by IMFBy. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	28
80	Auroral structure at the cusp equatorward boundary: Relationship with the electron edge of low-latitude boundary layer precipitation. Journal of Geophysical Research, 2002, 107, SMP 10-1.	3.3	27
81	Wind and ACE observations during the great flow of 1â€“4 May 1998: Relation to solar activity and implications for the magnetosphere. Journal of Geophysical Research, 2002, 107, SSH 3-1.	3.3	26
82	Interaction of the bow shock with a tangential discontinuity and solar wind density decrease: Observations of predicted fast mode waves and magnetosheath merging. Journal of Geophysical Research, 2007, 112, .	3.3	26
83	Ideal MHD flow behind interplanetary shocks driven by magnetic clouds. Journal of Geophysical Research, 1995, 100, 19919.	3.3	25
84	Effects on the Jovian magnetosheath arising from solar wind flow around nonaxisymmetric bodies. Journal of Geophysical Research, 1996, 101, 10665-10672.	3.3	25
85	MHD model of magnetosheath flow: comparison with AMPTE/IRM observations on 24 October, 1985. Annales Geophysicae, 1998, 16, 518-527.	0.6	25
86	A parametric study of the influence of ion and electron properties on the excitation of electromagnetic ion cyclotron waves in coronal mass ejections. Journal of Geophysical Research, 2003, 108, .	3.3	25
87	Evolution of a Longâ€Duration Coronal Mass Ejection and Its Sheath Region Between Mercury and Earth on 9â€“14 July 2013. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027213.	0.8	25
88	A linear perturbation analysis of magnetopause motion in the Newton-Busemann limit. Annales Geophysicae, 1995, 13, 907-918.	0.6	24
89	The Magnetic Morphology of Magnetic Clouds: Multi-spacecraft Investigation of Twisted and Writhed Coronal Mass Ejections. Astrophysical Journal, 2019, 870, 100.	1.6	24
90	Inconsistencies Between Local and Global Measures of CME Radial Expansion as Revealed by Spacecraft Conjunctions. Astrophysical Journal, 2020, 899, 119.	1.6	24

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91	Multistage substorm expansion: Auroral dynamics in relation to plasma sheet particle injection, precipitation, and plasma convection. Journal of Geophysical Research, 2002, 107, SMP 4-1.	3.3	23
92	Wind-ACE solar wind correlations, 1999: An approach through spectral analysis. Journal of Geophysical Research, 2002, 107, SSH 7-1.	3.3	23
93	In Situ Observations of Solar Wind Stream Interface Evolution. Solar Physics, 2009, 259, 323-344.	1.0	23
94	Dynamics of the aurora and associated convection currents during a cusp bifurcation event. Geophysical Research Letters, 1998, 25, 4313-4316.	1.5	22
95	Response of the equatorial and polar magnetosphere to the very tenuous solar wind on May 11, 1999. Geophysical Research Letters, 2000, 27, 3773-3776.	1.5	22
96	Interplanetary coronal mass ejection and ambient interplanetary magnetic field correlations during the Sun-Earth connection events of October-November 2003. Journal of Geophysical Research, 2005, 110, .	3.3	22
97	Magnetospheric Multiscale Mission observations and nonâ€force free modeling of a flux transfer event immersed in a superâ€AlfvÃ©nic flow. Geophysical Research Letters, 2016, 43, 6070-6077.	1.5	22
98	Earthâ€™s magnetosphere and outer radiation belt under sub-AlfvÃ©nic solar wind. Nature Communications, 2016, 7, 13001.	5.8	22
99	Sources of the Slow Solar Wind During the Solar Cycle 23/24 Minimum. Solar Physics, 2016, 291, 2441-2456.	1.0	21
100	Observational Evidence of Largeâ€Scale Multiple Reconnection at the Earth's Dayside Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 8407-8421.	0.8	21
101	Cluster observations of fast shocks in the magnetosheath launched as a tangential discontinuity with a pressure increase crossed the bow shock. Journal of Geophysical Research, 2008, 113, .	3.3	20
102	Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008â€‰â€“â€‰2010: Lessons for Future Observations of Earth-Directed CMEs. Solar Physics, 2012, 279, 497-515.	1.0	20
103	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Eventâ€Like Structures at the Earth's Magnetopause. Geophysical Research Letters, 2020, 47, e2019GL086726.	1.5	20
104	On accelerated magnetosheath flows under northward IMF. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	18
105	Structure and Dissipation Characteristics of an Electron Diffusion Region Observed by MMS During a Rapid, Normalâ€Incidence Magnetopause Crossing. Journal of Geophysical Research: Space Physics, 2017, 122, 11,901.	0.8	18
106	Nature of fluctuations on directional discontinuities inside a solar ejection: Wind and IMP 8 observations. Journal of Geophysical Research, 2001, 106, 29283-29298.	3.3	17
107	The cusp in rapid transition. Journal of Geophysical Research, 2002, 107, SMP 8-1-SMP 8-10.	3.3	17
108	Concerning a problem on the Kelvin-Helmholtz stability of the thin magnetopause. Journal of Geophysical Research, 2004, 109, .	3.3	17

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109	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. Journal of Geophysical Research, 2003, 108, .	3.3	16
110	A statistical investigation of dayside magnetosphere erosion showing saturation of response. Journal of Geophysical Research, 2005, 110, .	3.3	16
111	Escape of O⁺ through the distant tail plasma sheet. Geophysical Research Letters, 2010, 37, .	1.5	16
112	â€œCraterâ€flux transfer events: Highroad to the X line?. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	16
113	Dayside and nightside contributions to cross-polar cap potential variations: the 20 March 2001 ICME case. Annales Geophysicae, 2011, 29, 2189-2201.	0.6	16
114	The Stormâ€Time Ring Current Response to ICMEs and CIRs Using Van Allen Probe Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 9017-9039.	0.8	16
115	Effect of Electron Pressure on the Gradâ€“Shafranov Reconstruction of Interplanetary Coronal Mass Ejections. Solar Physics, 2013, 284, 275-291.	1.0	15
116	COMPARISON OF MAGNETIC PROPERTIES IN A MAGNETIC CLOUD AND ITS SOLAR SOURCE ON 2013 APRIL 11â€“14. Astrophysical Journal, 2016, 828, 12.	1.6	15
117	Numerical Algorithm for Detecting Ion Diffusion Regions in the Geomagnetic Tail With Applications to MMS Tail Season 1 May to 30 September 2017. Journal of Geophysical Research: Space Physics, 2019, 124, 6487-6503.	0.8	15
118	Transient reconnection in the cusp during strongly negative IMFBy. Journal of Geophysical Research, 2004, 109, .	3.3	14
119	Twoâ€stage oscillatory response of the magnetopause to a tangential discontinuity/vortex sheet followed by northward IMF: Cluster observations. Journal of Geophysical Research, 2008, 113, .	3.3	14
120	The Storm Time Development of Source Electrons and Chorus Wave Activity During CMEâ€and CIRâ€Driven Storms. Journal of Geophysical Research: Space Physics, 2019, 124, 6438-6452.	0.8	14
121	Ground disturbances of the ring, magnetopause, and tail currents on the day the solar wind almost disappeared. Journal of Geophysical Research, 2001, 106, 25529-25540.	3.3	13
122	A vortical dawn flank boundary layer for nearâ€radial IMF: Wind observations on 24 October 2001. Journal of Geophysical Research: Space Physics, 2014, 119, 4572-4590.	0.8	13
123	A Survey of Interplanetary Small Flux Ropes at Mercury. Astrophysical Journal, 2020, 894, 120.	1.6	13
124	Properties of the Sheath Regions of Coronal Mass Ejections with or without Shocks from STEREO in situ Observations near 1 au. Astrophysical Journal, 2020, 904, 177.	1.6	13
125	Theoretical results on the latitude dependence of the Kelvin-Helmholtz instability at the dayside magnetopause for northward interplanetary magnetic fields. Journal of Geophysical Research, 2003, 108, .	3.3	12
126	Plasma flows, Birkeland currents and auroral forms in relation to the Svalgaard-Mansurov effect. Annales Geophysicae, 2012, 30, 817-830.	0.6	12

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127	Accelerated magnetosheath flows caused by IMF draping: Dependence on latitude. Geophysical Research Letters, 2012, 39, .	1.5	12
128	Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum. Annales Geophysicae, 2009, 27, 3909-3922.	0.6	12
129	Solar-Heliospheric-Magnetospheric Observations on March 23â€“April 26, 2001: Similarities to Observations in April 1979. AIP Conference Proceedings, 2003, , .	0.3	11
130	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. Journal of Geophysical Research, 2008, 113, .	3.3	11
131	Magnetosheath for almostâ€aligned solar wind magnetic field and flow vectors: Wind observations across the dawnside magnetosheath at X = â˜'12 Re. Journal of Geophysical Research, 2010, 115, .	3.3	11
132	On the multispacecraft determination of periodic surface wave phase speeds and wavelengths. Journal of Geophysical Research, 2010, 115, .	3.3	11
133	A multispacecraft study of a small flux rope entrained by rolling back magnetic field lines. Journal of Geophysical Research: Space Physics, 2017, 122, 6927-6939.	0.8	11
134	Forecasting Periods of Strong Southward Magnetic Field Following Interplanetary Shocks. Space Weather, 2018, 16, 2004-2021.	1.3	11
135	A Coronal Mass Ejection and Magnetic Ejecta Observed In Situ by STEREO-A and Wind at 55Â° Angular Separation. Astrophysical Journal, 2022, 929, 149.	1.6	11
136	Temporal and spatial aspects of the cusp inferred from local and global ground- and space-based observations in a case study. Journal of Geophysical Research, 2004, 109, .	3.3	10
137	The magnetosphere under weak solar wind forcing. Annales Geophysicae, 2007, 25, 191-205.	0.6	10
138	Multipoint MMS observations of fineâ€scale SAPS structure in the inner magnetosphere. Geophysical Research Letters, 2016, 43, 7294-7300.	1.5	10
139	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. Journal of Geophysical Research: Space Physics, 2018, 123, 146-162.	0.8	10
140	Energy Conversion Within Current Sheets in the Earth's Quasiâ€Parallel Magnetosheath. Geophysical Research Letters, 2021, 48, e2020GL091859.	1.5	10
141	He Pickup Ions in the Inner Heliosphereâ€”Diagnostics of the Local Interstellar Gas and of Interplanetary Conditions. AIP Conference Proceedings, 2010, , .	0.3	9
142	Use of singleâ€component wind speed in Rankineâ€Hugoniot analysis of interplanetary shocks. Space Weather, 2011, 9, .	1.3	9
143	Cluster observations of the dusk flank magnetopause near the sash: Ion dynamics and flowâ€through reconnection. Journal of Geophysical Research, 2012, 117, .	3.3	9
144	Structure of a reconnection layer poleward of the cusp: Extreme density asymmetry and a guide field. Journal of Geophysical Research: Space Physics, 2014, 119, 7343-7362.	0.8	9

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145	A multievent study of the coincidence of heliospheric current sheet and stream interface. Journal of Geophysical Research: Space Physics, 2016, 121, 10,768.	0.8	9
146	Effect of Rapid Changes of Solar Wind Conditions on the Pickup Ion Velocity Distribution. Journal of Geophysical Research: Space Physics, 2019, 124, 6418-6437.	0.8	9
147	Evolution of Coronal Mass Ejection Properties in the Inner Heliosphere: Prediction for the Solar Orbiter and Parker Solar Probe. Astrophysical Journal, 2019, 884, 179.	1.6	9
148	Observing the prevalence of thin current sheets downstream of Earth's bow shock. Physics of Plasmas, 2021, 28, .	0.7	9
149	Investigating the Cross Sections of Coronal Mass Ejections through the Study of Nonradial Flows with STEREO/PLASTIC. Astrophysical Journal, 2022, 927, 68.	1.6	9
150	Spatiotemporal structure of the reconnecting magnetosphere underBy-dominated interplanetary magnetic cloud conditions. Journal of Geophysical Research, 2006, 111, .	3.3	8
151	Differing Properties of Two Ionâ€Scale Magnetopause Flux Ropes. Journal of Geophysical Research: Space Physics, 2018, 123, 114-131.	0.8	8
152	Characteristics of Minor Ions and Electrons in Flux Transfer Events Observed by the Magnetospheric Multiscale Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027778.	0.8	8
153	An Encounter With the Ion and Electron Diffusion Regions at a Flapping and Twisted Tail Current Sheet. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028903.	0.8	8
154	Categorization of Coronal Mass Ejection-driven Sheath Regions: Characteristics of STEREO Events. Astrophysical Journal, 2021, 921, 57.	1.6	8
155	Origin and structure of electromagnetic generator regions at the edge of the electron diffusion region. Physics of Plasmas, 2021, 28, .	0.7	8
156	Multipoint observations of substorm intensifications: The High-latitude aurora and electron injections in the inner equatorial plasma sheet. Geophysical Research Letters, 2001, 28, 483-486.	1.5	7
157	The geostationary field during dayside erosion events 1996â€“2001: A joint Wind, ACE, and GOES study. Journal of Geophysical Research, 2003, 108, .	3.3	7
158	The Solar Wind Quasi-Invariant Observed byÂSTEREOÂAÂandÂBÂatÂSolar Minimum 2007 andÂComparisonÂwithÂTwo Other Minima. Solar Physics, 2009, 259, 381-388.	1.0	7
159	Kelvin-Helmholtz Multi-Spacecraft Studies at the Earthâ€™s Magnetopause Boundaries. AIP Conference Proceedings, 2010, , .	0.3	7
160	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. Geophysical Research Letters, 2016, 43, 9397-9405.	1.5	7
161	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. Geophysical Research Letters, 2017, 44, 1625-1633.	1.5	7
162	Fourâ€Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Nearâ€Earth Plasma Environment. Journal of Geophysical Research: Space Physics, 2019, 124, 6850-6868.	0.8	7

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163	Latitudinal Dependence of the Kelvinâ€Helmholtz Instability and Beta Dependence of Vortexâ€Induced Highâ€Guide Field Magnetic Reconnection. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027333.	0.8	7
164	Electromagnetic ion cyclotron waves in the subsolar region under normal dynamic pressure: Wind observations and theory. Journal of Geophysical Research, 2004, 109, .	3.3	6
165	Excitation and decay of magnetospheric lobe cell convection and its associated aurora. Geophysical Research Letters, 1999, 26, 3597-3600.	1.5	5
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