

# Christopher J Owen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5259035/publications.pdf>

Version: 2024-02-01

221  
papers

7,953  
citations

44069

48  
h-index

64796

79  
g-index

250  
all docs

250  
docs citations

250  
times ranked

3102  
citing authors

#	ARTICLE	IF	CITATIONS
1	A journey of exploration to the polar regions of a star: probing the solar poles and the heliosphere from high helio-latitude. <i>Experimental Astronomy</i> , 2022, 54, 157-183.	3.7	8
2	Flux rope and dynamics of the heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2022, 659, A110.	5.1	20
3	The Stability of the Electron Strahl against the Oblique Fast-magnetosonic/Whistler Instability in the Inner Heliosphere. <i>Astrophysical Journal Letters</i> , 2022, 926, L26.	8.3	8
4	The Kinetic Expansion of Solar-wind Electrons: Transport Theory and Predictions for the Very Inner Heliosphere. <i>Astrophysical Journal</i> , 2022, 927, 162.	4.5	5
5	Radial Evolution of Thermal and Suprathermal Electron Populations in the Slow Solar Wind from 0.13 to 0.5 au: Parker Solar Probe Observations. <i>Astrophysical Journal</i> , 2022, 931, 118.	4.5	15
6	First near-relativistic solar electron events observed by EPD onboard Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, L3.	5.1	16
7	Matching Temporal Signatures of Solar Features to Their Corresponding Solar-Wind Outflows. <i>Solar Physics</i> , 2021, 296, 1.	2.5	3
8	Evolution of anisotropic turbulence in the fast and slow solar wind: Theory and Solar Orbiter measurements. <i>Astronomy and Astrophysics</i> , 2021, 656, A6.	5.1	14
9	Three-dimensional magnetic reconnection in particle-in-cell simulations of anisotropic plasma turbulence. <i>Journal of Plasma Physics</i> , 2021, 87, .	2.1	19
10	Evolution of Solar Wind Turbulence from 0.1 to 1 au during the First Parker Solar Probe's Solar Orbiter Radial Alignment. <i>Astrophysical Journal Letters</i> , 2021, 912, L21.	8.3	49
11	Constraining Suprathermal Electron Evolution in a Parker Spiral Field With Cassini Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028669.	2.4	0
12	Sensitivity of solar wind mass flux to coronal temperature. <i>Astronomy and Astrophysics</i> , 2021, 650, L2.	5.1	4
13	Whistler instability driven by the sunward electron deficit in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A31.	5.1	12
14	Evidence for local particle acceleration in the first recurrent galactic cosmic ray depression observed by Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, L10.	5.1	2
15	Multi-spacecraft study of the solar wind at solar minimum: Dependence on latitude and transient outflows. <i>Astronomy and Astrophysics</i> , 2021, 652, A105.	5.1	9
16	First-year ion-acoustic wave observations in the solar wind by the RPW/TDS instrument on board Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, A14.	5.1	13
17	Solar Orbiter observations of the Kelvin-Helmholtz waves in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A12.	5.1	13
18	Deriving the bulk properties of solar wind electrons observed by Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, A10.	5.1	6

#	ARTICLE	IF	CITATIONS
19	Switchback-like structures observed by Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, A40.	5.1	7
20	Solar Orbiter observations of the structure of reconnection outflow layers in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, L8.	5.1	5
21	Whistler waves observed by Solar Orbiter/RPW between 0.5 AU and 1 AU. <i>Astronomy and Astrophysics</i> , 2021, 656, A24.	5.1	19
22	Magnetic reconnection as a mechanism to produce multiple thermal proton populations and beams locally in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A37.	5.1	12
23	The Solar Orbiter Radio and Plasma Waves (RPW) instrument (Corrigendum). <i>Astronomy and Astrophysics</i> , 2021, 654, C2.	5.1	2
24	Solar Orbiter's encounter with the tail of comet C/2019 Y4 (ATLAS): Magnetic field draping and cometary pick-up ion waves. <i>Astronomy and Astrophysics</i> , 2021, 656, A39.	5.1	4
25	First observations and performance of the RPW instrument on board the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2021, 656, A41.	5.1	9
26	Ambipolar Electric Field and Potential in the Solar Wind Estimated from Electron Velocity Distribution Functions. <i>Astrophysical Journal</i> , 2021, 921, 83.	4.5	14
27	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. <i>Astronomy and Astrophysics</i> , 2020, 642, A4.	5.1	35
28	The Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A1.	5.1	514
29	The Energetic Particle Detector. <i>Astronomy and Astrophysics</i> , 2020, 642, A7.	5.1	107
30	Radial Evolution of Sunward Strahl Electrons in the Inner Heliosphere. <i>Solar Physics</i> , 2020, 295, 1.	2.5	12
31	Determining the Bulk Parameters of Plasma Electrons from Pitch-Angle Distribution Measurements. <i>Entropy</i> , 2020, 22, 103.	2.2	12
32	Models and data analysis tools for the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A2.	5.1	53
33	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12.	5.1	80
34	Coordination of the in situ payload of Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2020, 642, A5.	5.1	17
35	The Solar Orbiter magnetometer. <i>Astronomy and Astrophysics</i> , 2020, 642, A9.	5.1	136
36	The Solar Orbiter Solar Wind Analyser (SWA) suite. <i>Astronomy and Astrophysics</i> , 2020, 642, A16.	5.1	141

#	ARTICLE	IF	CITATIONS
37	Directly comparing coronal and solar wind elemental fractionation. <i>Astronomy and Astrophysics</i> , 2020, 640, A28.	5.1	14
38	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	5.1	67
39	Parallel-propagating Fluctuations at Proton-kinetic Scales in the Solar Wind Are Dominated By Kinetic Instabilities. <i>Astrophysical Journal Letters</i> , 2019, 884, L53.	8.3	38
40	Solar Orbiter Strategies for EMC Control and Verification. , 2019, , .		12
41	The Impact of Turbulent Solar Wind Fluctuations on Solar Orbiter Plasma Proton Measurements. <i>Astrophysical Journal</i> , 2019, 886, 101.	4.5	18
42	Active Region Modulation of Coronal Hole Solar Wind. <i>Astrophysical Journal</i> , 2019, 887, 146.	4.5	13
43	Investigating the Effect of IMF Path Length on Pitch-angle Scattering of Strahl within 1 au. <i>Astrophysical Journal</i> , 2018, 855, 40.	4.5	11
44	Determining the Kappa Distributions of Space Plasmas from Observations in a Limited Energy Range. <i>Astrophysical Journal</i> , 2018, 864, 3.	4.5	32
45	The Role of Proton Cyclotron Resonance as a Dissipation Mechanism in Solar Wind Turbulence: A Statistical Study at Ion-kinetic Scales. <i>Astrophysical Journal</i> , 2018, 856, 49.	4.5	68
46	A direct examination of the dynamics of dipolarization fronts using MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4335-4347.	2.4	44
47	The evolution of solar wind strahl with heliospheric distance. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3858-3874.	2.4	61
48	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10891-10909.	2.4	17
49	An explanation of auroral intensification during the substorm expansion phase. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8560-8576.	2.4	10
50	Statistical azimuthal structuring of the substorm onset arc: Implications for the onset mechanism. <i>Geophysical Research Letters</i> , 2017, 44, 2078-2087.	4.0	35
51	Corotating Magnetic Reconnection Site in Saturn's Magnetosphere. <i>Astrophysical Journal Letters</i> , 2017, 846, L25.	8.3	23
52	A Study of Solar Orbiter Spacecraft's Plasma Interactions Effects on Electric Field and Particle Measurements. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 2578-2587.	1.3	3
53	Tests for coronal electron temperature signatures in suprathermal electron populations at 1 AU. <i>Annales Geophysicae</i> , 2017, 35, 1275-1291.	1.6	8
54	Decadal trends in the diurnal variation of galactic cosmic rays observed using neutron monitor data. <i>Annales Geophysicae</i> , 2017, 35, 825-838.	1.6	8

#	ARTICLE	IF	CITATIONS
55	EMC aspects of turbulence heating observer (THOR) spacecraft. , 2016, , .		3
56	Substructures within a dipolarization front revealed by high-temporal resolution Cluster observations. Journal of Geophysical Research: Space Physics, 2016, 121, 5185-5202.	2.4	9
57	Statistical characterization of the growth and spatial scales of the substorm onset arc. Journal of Geophysical Research: Space Physics, 2015, 120, 8503-8516.	2.4	52
58	A physical explanation for the magnetic decrease ahead of dipolarization fronts. Annales Geophysicae, 2015, 33, 1301-1309.	1.6	40
59	Cluster observations of the substructure of a flux transfer event: analysis of high-time-resolution particle data. Annales Geophysicae, 2014, 32, 1093-1117.	1.6	15
60	Pressure gradient evolution in the near-Earth magnetotail at the arrival of BBFs. Science Bulletin, 2014, 59, 4804-4808.	1.7	4
61	Current reduction in a pseudo-breakup event: THEMIS observations. Journal of Geophysical Research: Space Physics, 2014, 119, 8178-8187.	2.4	15
62	In situ spatiotemporal measurements of the detailed azimuthal substructure of the substorm current wedge. Journal of Geophysical Research: Space Physics, 2014, 119, 927-946.	2.4	49
63	Electron matching above the aurora. Astronomy and Geophysics, 2013, 54, 6.45-6.47.	0.2	0
64	Detection and monitoring of earthquake precursors: TwinSat, a Russia-UK satellite project. Advances in Space Research, 2013, 52, 1135-1145.	2.6	24
65	Current sheet structure and kinetic properties of plasma flows during a near-Earth magnetic reconnection under the presence of a guide field. Journal of Geophysical Research: Space Physics, 2013, 118, 3265-3287.	2.4	29
66	Sources of electron pitch angle anisotropy in the magnetotail plasma sheet. Journal of Geophysical Research: Space Physics, 2013, 118, 6042-6054.	2.4	32
67	An indication of the existence of a solar wind strahl at 10 AU. Geophysical Research Letters, 2013, 40, 2495-2499.	4.0	10
68	Magnetospheric Boundary Layer Structure and Dynamics as Seen From Cluster and Double Star Measurements. Kongjian Kexue Xuebao, 2013, 33, 577.	0.4	2
69	Temporal evolution and electric potential structure of the auroral acceleration region from multispacecraft measurements. Journal of Geophysical Research, 2012, 117, .	3.3	11
70	The geometric factor of electrostatic plasma analyzers: A case study from the Fast Plasma Investigation for the Magnetospheric Multiscale mission. Review of Scientific Instruments, 2012, 83, 033303.	1.3	30
71	AXIOM: Advanced X-ray imaging of the magnetosheath. Astronomische Nachrichten, 2012, 333, 388-392.	1.2	1
72	AXIOM: advanced X-ray imaging of the magnetosphere. Experimental Astronomy, 2012, 33, 403-443.	3.7	30

#	ARTICLE	IF	CITATIONS
73	IMPALAS: Investigation of MagnetoPause Activity using Longitudinally-Aligned Satellites—a mission concept proposed for the ESA M3 2020/2022 launch. <i>Experimental Astronomy</i> , 2012, 33, 365-401.	3.7	0
74	Alfvén: magnetosphere-ionosphere connection explorers. <i>Experimental Astronomy</i> , 2012, 33, 445-489.	3.7	9
75	Crater-flux transfer events: Highroad to the X line?. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	16
76	Investigating the observational signatures of magnetic cloud substructure. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	20
77	Average magnetotail electron and proton pitch angle distributions from Cluster PEACE and CIS observations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	59
78	CORONAL JETS, MAGNETIC TOPOLOGIES, AND THE PRODUCTION OF INTERPLANETARY ELECTRON STREAMS. <i>Astrophysical Journal</i> , 2011, 735, 43.	4.5	6
79	PLASMOID RELEASES IN THE HELIOSPHERIC CURRENT SHEET AND ASSOCIATED CORONAL HOLE BOUNDARY LAYER EVOLUTION. <i>Astrophysical Journal</i> , 2011, 737, 16.	4.5	32
80	Non-adiabatic Ion Acceleration in the Earth Magnetotail and Its Various Manifestations in the Plasma Sheet Boundary Layer. <i>Space Science Reviews</i> , 2011, 164, 133-181.	8.1	33
81	On the effect of line current width and relative position on the multi-spacecraft curlometer technique. <i>Planetary and Space Science</i> , 2011, 59, 598-605.	1.7	11
82	Plasma Jet Braking: Energy Dissipation and Nonadiabatic Electrons. <i>Physical Review Letters</i> , 2011, 106, 165001.	7.8	193
83	Observations of an auroral streamer in a double oval configuration. <i>Annales Geophysicae</i> , 2011, 29, 701-716.	1.6	3
84	Cluster observations of a transient signature in the magnetotail: implications for the mode of reconnection. <i>Annales Geophysicae</i> , 2011, 29, 2131-2146.	1.6	4
85	MAJOR ELECTRON EVENTS AND CORONAL MAGNETIC CONFIGURATIONS OF THE RELATED SOLAR ACTIVE REGIONS. <i>Astrophysical Journal Letters</i> , 2010, 720, L36-L40.	8.3	6
86	From the Sun to the Earth: The 13 May 2005 Coronal Mass Ejection. <i>Solar Physics</i> , 2010, 265, 49-127.	2.5	63
87	Observations of Slow Electron Holes at a Magnetic Reconnection Site. <i>Physical Review Letters</i> , 2010, 105, 165002.	7.8	106
88	Heliospheric Current Sheet Distortions from Adjacent Outflowing Transients: Multi-spacecraft Observations. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	3
89	Kelvin-Helmholtz Multi-Spacecraft Studies at the Earth's Magnetopause Boundaries. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	7
90	Electron acceleration signatures in the magnetotail associated with substorms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	64

#	ARTICLE	IF	CITATIONS
91	On the multispacecraft determination of periodic surface wave phase speeds and wavelengths. Journal of Geophysical Research, 2010, 115, .	3.3	11
92	Multiple harmonic ULF waves in the plasma sheet boundary layer observed by Cluster. Journal of Geophysical Research, 2010, 115, .	3.3	19
93	The Cross-Scale Mission. , 2009, , .		0
94	Multipoint observations of plasma distributions around an X line. , 2009, , .		1
95	Cross-scale: multi-scale coupling in space plasmas. Experimental Astronomy, 2009, 23, 1001-1015.	3.7	18
96	The Apparent Layered Structure of the Heliospheric Current Sheet: Multi-Spacecraft Observations. Solar Physics, 2009, 259, 389-416.	2.5	28
97	Reply to comment by H. Hasegawa on "Evolution of Kelvin-Helmholtz activity on the dusk flank magnetopause". Journal of Geophysical Research, 2009, 114, .	3.3	3
98	Solar source of energetic particles in interplanetary space during the 2006 December 13 event. Astronomy and Astrophysics, 2009, 503, 1013-1021.	5.1	24
99	Separatrix regions of magnetic reconnection at the magnetopause. Annales Geophysicae, 2009, 27, 4039-4056.	1.6	31
100	The plasma sheet and boundary layers under northward IMF: A multi-point and multi-instrument perspective. Advances in Space Research, 2008, 41, 1619-1629.	2.6	42
101	Electron flat-top distributions around the magnetic reconnection region. Journal of Geophysical Research, 2008, 113, .	3.3	78
102	Evidence for reconnection at Saturn's magnetopause. Journal of Geophysical Research, 2008, 113, .	3.3	94
103	Downward current electron beam observed by Cluster and FAST. Journal of Geophysical Research, 2008, 113, .	3.3	15
104	Observations of an active thin current sheet. Journal of Geophysical Research, 2008, 113, .	3.3	40
105	The relationship between $\langle j \rangle$ and $\langle B \rangle$ and $\langle \hat{z} \rangle \cdot \langle P \rangle$ in the magnetotail plasma sheet: Cluster observations. Journal of Geophysical Research, 2008, 113, .	3.3	14
106	Cluster observations of "crater" flux transfer events at the dayside high-latitude magnetopause. Journal of Geophysical Research, 2008, 113, .	3.3	39
107	Cluster observations of the midlatitude cusp under strong northward interplanetary magnetic field. Journal of Geophysical Research, 2008, 113, .	3.3	13
108	Local field-aligned currents in the magnetotail and ionosphere as observed by a Cluster, Double Star, and MIRACLE conjunction. Journal of Geophysical Research, 2008, 113, .	3.3	10

#	ARTICLE	IF	CITATIONS
109	Cluster observations of an ion-scale current sheet in the magnetotail under the presence of a guide field. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	80
110	Formation of the low-latitude boundary layer and cusp under the northward IMF: Simultaneous observations by Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	32
111	Electron structure of the magnetopause boundary layer: Cluster/Double Star observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
112	Study of near-Earth reconnection events with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	59
113	Evolution of Kelvin-Helmholtz activity on the dusk flank magnetopause. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	95
114	Transient and localized processes in the magnetotail: a review. <i>Annales Geophysicae</i> , 2008, 26, 955-1006.	1.6	112
115	Effects on magnetic reconnection of a density asymmetry across the current sheet. <i>Annales Geophysicae</i> , 2008, 26, 2471-2483.	1.6	63
116	Ionospheric signatures during a magnetospheric flux rope event. <i>Annales Geophysicae</i> , 2008, 26, 3967-3977.	1.6	3
117	Locating the solar source of 13 April 2006 magnetic cloud. <i>Annales Geophysicae</i> , 2008, 26, 3159-3168.	1.6	4
118	Performance of a prototype electrostatic analyzer for future solar and heliophysics missions. <i>Proceedings of SPIE</i> , 2007, , .	0.8	0
119	TC1 and Cluster observation of an FTE on 4 January 2005: A close conjunction. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	16
120	Source of whistler emissions at the dayside magnetopause. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	44
121	Breakdown of the frozen-in condition in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	23
122	Motion of flux transfer events: a test of the Cooling model. <i>Annales Geophysicae</i> , 2007, 25, 1669-1690.	1.6	44
123	Near-simultaneous magnetotail flux rope observations with Cluster and Double Star. <i>Annales Geophysicae</i> , 2007, 25, 1887-1897.	1.6	16
124	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007, 25, 1709-1720.	1.6	36
125	Dynamics of thin current sheets: Cluster observations. <i>Annales Geophysicae</i> , 2007, 25, 1365-1389.	1.6	83
126	In situ evidence of magnetic reconnection in turbulent plasma. <i>Nature Physics</i> , 2007, 3, 235-238.	16.7	333



#	ARTICLE	IF	CITATIONS
127	Multi-Spacecraft Study of the 21 January 2005 ICME. <i>Solar Physics</i> , 2007, 244, 139-165.	2.5	50
128	Cluster Observations of the Magnetospheric Low-Latitude Boundary Layer and Cusp during Extreme Solar Wind and Interplanetary Magnetic Field Conditions: I. 10 November 2004 ICME. <i>Solar Physics</i> , 2007, 244, 201-232.	2.5	4
129	Cluster Observations of the Magnetospheric Low-Latitude Boundary Layer and Cusp during Extreme Solar Wind and Interplanetary Magnetic Field Conditions: II. 7 November 2004 ICME and Statistical Survey. <i>Solar Physics</i> , 2007, 244, 233-261.	2.5	9
130	Remote sensing of a magnetotail reconnection X-line using polar rain electrons. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	15
131	Structure of the separatrix region close to a magnetic reconnection X-line: Cluster observations. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	88
132	Dynamics of thin current sheets associated with magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	109
133	Cluster observations of flux rope structures in the near-tail. <i>Annales Geophysicae</i> , 2006, 24, 651-666.	1.6	33
134	On the structure of field-aligned currents in the mid-altitude cusp. <i>Annales Geophysicae</i> , 2006, 24, 3391-3401.	1.6	12
135	Cluster PEACE observations of electron pressure tensor divergence in the magnetotail. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	40
136	Energetic electron signatures in an active magnetotail plasma sheet. <i>Advances in Space Research</i> , 2006, 38, 1608-1614.	2.6	1
137	Detailed analysis of low-energy electron streaming in the near-Earth neutral line region during a substorm. <i>Advances in Space Research</i> , 2006, 37, 1382-1387.	2.6	9
138	Formation of Inner Structure of a Reconnection Separatrix Region. <i>Physical Review Letters</i> , 2006, 97, 205003.	7.8	83
139	Statistical study of the location and size of the electron edge of the Low-Latitude Boundary Layer as observed by Cluster at mid-altitudes. <i>Annales Geophysicae</i> , 2006, 24, 2645-2665.	1.6	15
140	Energy-dispersed ions in the plasma sheet boundary layer and associated phenomena: Ion heating, electron acceleration, Alfvén waves, broadband waves, perpendicular electric field spikes, and auroral emissions. <i>Annales Geophysicae</i> , 2006, 24, 2685-2707.	1.6	20
141	The structure of flux transfer events recovered from Cluster data. <i>Annales Geophysicae</i> , 2006, 24, 603-618.	1.6	97
142	Magnetopause and Boundary Layer. <i>Space Science Reviews</i> , 2005, 118, 231-320.	8.1	56
143	Cluster at the Magnetospheric Cusps. <i>Space Science Reviews</i> , 2005, 118, 321-366.	8.1	35
144	Cluster observations of boundary layer structure and a flux transfer event near the cusp. <i>Annales Geophysicae</i> , 2005, 23, 2605-2620.	1.6	12

#	ARTICLE	IF	CITATIONS
145	Correlation between ground-based observations of substorm signatures and magnetotail dynamics. <i>Annales Geophysicae</i> , 2005, 23, 997-1011.	1.6	4
146	Coordinated Cluster/Double Star observations of dayside reconnection signatures. <i>Annales Geophysicae</i> , 2005, 23, 2867-2875.	1.6	47
147	Simultaneous Double Star and Cluster FTEs observations on the dawnside flank of the magnetosphere. <i>Annales Geophysicae</i> , 2005, 23, 2877-2887.	1.6	9
148	Cluster magnetotail observations of a tailward-travelling plasmoid at substorm expansion phase onset and field aligned currents in the plasma sheet boundary layer. <i>Annales Geophysicae</i> , 2005, 23, 3667-3683.	1.6	7
149	Empirical reconstruction and long-duration tracking of the magnetospheric boundary in single- and multi-spacecraft contexts. <i>Annales Geophysicae</i> , 2005, 23, 1355-1369.	1.6	14
150	Cluster observations of currents in the plasma sheet during reconnection. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	30
151	Cluster electron observations of the separatrix layer during traveling compression regions. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	17
152	Computing the reconnection rate at the Earth's magnetopause using two spacecraft observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	35
153	Cluster observations of traveling compression regions in the near-tail. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	79
154	On the formation of the high-altitude stagnant cusp: Cluster observations. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	24
155	Relating near-Earth observations of an interplanetary coronal mass ejection to the conditions at its site of origin in the solar corona. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	11
156	A survey of flux transfer events observed by Cluster during strongly northward IMF. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	28
157	Cluster at the Magnetospheric Cusps. <i>Space Sciences Series of ISSI</i> , 2005, , 321-366.	0.0	8
158	Magnetopause and Boundary Layer. <i>Space Sciences Series of ISSI</i> , 2005, , 231-320.	0.0	3
159	Thinning and expansion of the substorm plasma sheet: Cluster PEACE timing analysis. <i>Annales Geophysicae</i> , 2004, 22, 4165-4184.	1.6	4
160	Cluster observations of surface waves on the dawn flank magnetopause. <i>Annales Geophysicae</i> , 2004, 22, 971-983.	1.6	45
161	Cluster observations of a complex high-altitude cusp passage during highly variable IMF. <i>Annales Geophysicae</i> , 2004, 22, 3707-3719.	1.6	7
162	The location of the open-closed magnetic field line boundary in the dawn sector auroral ionosphere. <i>Annales Geophysicae</i> , 2004, 22, 3625-3639.	1.6	24

#	ARTICLE	IF	CITATIONS
163	Flow shear near the boundary of the plasma sheet observed by Cluster and Geotail. Journal of Geophysical Research, 2004, 109, .	3.3	35
164	Correlation between suprathermal electron bursts, broadband extremely low frequency waves, and local ion heating in the midaltitude cleft/low-latitude boundary layer observed by Cluster. Journal of Geophysical Research, 2004, 109, .	3.3	18
165	Space Plasma Physics " A Primer. , 2004, , 111-155.		2
166	Scientific rationale for the D-CIXS X-ray spectrometer on board ESA's SMART-1 mission to the Moon. Planetary and Space Science, 2003, 51, 435-442.	1.7	22
167	The D-CIXS X-ray mapping spectrometer on SMART-1. Planetary and Space Science, 2003, 51, 427-433.	1.7	60
168	Cluster electric current density measurements within a magnetic flux rope in the plasma sheet. Geophysical Research Letters, 2003, 30, .	4.0	77
169	Geotail observations of magnetic flux ropes in the plasma sheet. Journal of Geophysical Research, 2003, 108, SMP 10-1.	3.3	285
170	Cluster four spacecraft measurements of small traveling compression regions in the near-tail. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	33
171	Coordinated interhemispheric SuperDARN radar observations of the ionospheric response to flux transfer events observed by the Cluster spacecraft at the high-latitude magnetopause. Annales Geophysicae, 2003, 21, 1807-1826.	1.6	39
172	ISEE-3 observations of a viscously-driven plasma sheet: magnetosheath mass and/or momentum transfer?. Annales Geophysicae, 2002, 20, 619-628.	1.6	2
173	Three spacecraft observations of solar wind discontinuities. Geophysical Research Letters, 2001, 28, 677-680.	4.0	107
174	Observations of two complete substorm cycles during the Cassini Earth swing-by: Cassini magnetometer data in a global context. Journal of Geophysical Research, 2001, 106, 30141-30175.	3.3	17
175	Role of the magnetosheath flow in determining the motion of open flux tubes. Journal of Geophysical Research, 2001, 106, 18763-18775.	3.3	129
176	Prediction of Earth arrival times of interplanetary southward magnetic field turnings. Journal of Geophysical Research, 2001, 106, 30001-30009.	3.3	19
177	Distant plasma sheet ion distributions during reconnection. Geophysical Research Letters, 2001, 28, 2771-2774.	4.0	6
178	Survey of deep tail plasma sheet crossings: Plasma sheet distributions resulting from reconnection. Geophysical Research Letters, 2001, 28, 3843-3846.	4.0	1
179	Cluster PEACE observations of electrons during magnetospheric flux transfer events. Annales Geophysicae, 2001, 19, 1509-1522.	1.6	63
180	Temporal evolution of the electric field accelerating electrons away from the auroral ionosphere. Nature, 2001, 414, 724-727.	27.8	132

#	ARTICLE	IF	CITATIONS
181	Four point measurements of electrons using PEACE in the high-altitude cusp. <i>Annales Geophysicae</i> , 2001, 19, 1567-1578.	1.6	6
182	Preliminary two-point observations of the mid-altitude cusp by Cluster PEACE and FGM. <i>Annales Geophysicae</i> , 2001, 19, 1579-1587.	1.6	4
183	A simple model of complex cusp ion dispersions during intervals of northward interplanetary magnetic field. <i>Geophysical Research Letters</i> , 2000, 27, 3587-3590.	4.0	5
184	Meridian-scanning photometer, coherent HF radar, and magnetometer observations of the cusp: a case study. <i>Annales Geophysicae</i> , 1999, 17, 159-172.	1.6	87
185	A flux transfer event observed at the magnetopause by the Equator-S spacecraft and in the ionosphere by the CUTLASS HF radar. <i>Annales Geophysicae</i> , 1999, 17, 707-711.	1.6	61
186	Comprehensive study of the magnetospheric response to a hot flow anomaly. <i>Journal of Geophysical Research</i> , 1999, 104, 4577-4593.	3.3	169
187	Dual spacecraft observations of lobe magnetic field perturbations before, during and after plasmoid release. <i>Geophysical Research Letters</i> , 1999, 26, 2897-2900.	4.0	24
188	Observations of slow flows in the distant plasma sheet. <i>Journal of Geophysical Research</i> , 1999, 104, 25063-25075.	3.3	2
189	ISTP observations of plasmoid ejection: IMP 8 and Geotail. <i>Journal of Geophysical Research</i> , 1998, 103, 119-133.	3.3	36
190	WIND, GEOTAIL, and GOES 9 observations of magnetic field dipolarization and bursty bulk flows in the near-tail. <i>Geophysical Research Letters</i> , 1997, 24, 971-974.	4.0	45
191	Evidence of currents and unstable particle distributions in an extended region around the lunar plasma wake. <i>Geophysical Research Letters</i> , 1997, 24, 1427-1430.	4.0	38
192	Energetic (>0.2 MeV) electron bursts in the deep geomagnetic tail observed by the Goddard Space Flight Center experiment on ISEE 3: Association with geomagnetic substorms. <i>Journal of Geophysical Research</i> , 1996, 101, 2723-2740.	3.3	13
193	Observations of the lunar plasma wake from the WIND spacecraft on December 27, 1994. <i>Geophysical Research Letters</i> , 1996, 23, 1255-1258.	4.0	149
194	Near-simultaneous bow shock crossings by WIND and IMP 8 on December 1, 1994. <i>Geophysical Research Letters</i> , 1996, 23, 1207-1210.	4.0	29
195	The lunar wake at 6.8 RL: WIND magnetic field observations. <i>Geophysical Research Letters</i> , 1996, 23, 1263-1266.	4.0	61
196	Upstream ULF waves and energetic electrons associated with the lunar wake: Detection of precursor activity. <i>Geophysical Research Letters</i> , 1996, 23, 1271-1274.	4.0	54
197	Large Scale Dynamics of the Magnetospheric Tail Induced by Substorms: A Multisatellite Study. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 675-686.	0.9	7
198	A Model for the Distant Tail Field: ISEE 3 Revisited. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 455-471.	0.9	15

#	ARTICLE	IF	CITATIONS
199	Energetic (>0.2 MeV) Electron Bursts in the Deep Geomagnetic Tail Observed by ISEE 3: Association with Substorms and Magnetotail Structures. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 657-673.	0.9	5
200	Average motion, structure and orientation of the distant magnetotail determined from remote sensing of the edge of the plasma sheet boundary layer with $E > 35$ keV ions. <i>Journal of Geophysical Research</i> , 1995, 100, 185.	3.3	62
201	ISEE 3 observations of plasmoids with flux rope magnetic topologies. <i>Geophysical Research Letters</i> , 1995, 22, 2061-2064.	4.0	65
202	Evolution of the plasmoid-lobe interaction with downtail distance. <i>Geophysical Research Letters</i> , 1994, 21, 2765-2768.	4.0	13
203	Thin current sheets in the deep geomagnetic tail. <i>Geophysical Research Letters</i> , 1993, 20, 2427-2430.	4.0	49
204	Energetic (>0.2 MeV) electron bursts observed by ISEE 3 in the deep (<math>R <sub>E</sub></math>) geomagnetic tail. <i>Journal of Geophysical Research</i> , 1993, 98, 13441-13451.	3.3	8
205	Reply [to "Comment on Owen and Cowley's "Analysis of Impulsive plasma transport through the magnetopause"]. <i>Journal of Geophysical Research</i> , 1992, 97, 1641-1643.	3.3	8
206	Viscously driven plasma flows in the deep geomagnetic tail. <i>Geophysical Research Letters</i> , 1992, 19, 1443-1446.	4.0	18
207	Temperature anisotropies in a magnetospheric FTE. <i>Geophysical Research Letters</i> , 1992, 19, 1907-1910.	4.0	31
208	Correction to "the substorm event of 28 January 1983: A detailed global study" by D. N. Baker et al.. <i>Planetary and Space Science</i> , 1992, 40, 589-590.	1.7	0
209	Heikkila's mechanism for impulsive plasma transport through the magnetopause: A reexamination. <i>Journal of Geophysical Research</i> , 1991, 96, 5565-5574.	3.3	43
210	Theory and observation of energetic ions in the lobes of the geomagnetic tail. <i>Planetary and Space Science</i> , 1991, 39, 761-775.	1.7	3
211	Pitch angle distributions of energetic ions in the lobes of the distant geomagnetic tail. <i>Planetary and Space Science</i> , 1990, 38, 851-882.	1.7	5
212	The substorm event of 28 January 1983: A detailed global study. <i>Planetary and Space Science</i> , 1990, 38, 1495-1515.	1.7	6
213	A simple illustrative model of open flux tube motion over the dayside magnetopause. <i>Planetary and Space Science</i> , 1989, 37, 1461-1475.	1.7	177
214	ISEE 3 observations during the CDAW 8 intervals: Case studies of the distant geomagnetic tail covering a wide range of geomagnetic activity. <i>Journal of Geophysical Research</i> , 1989, 94, 15189-15220.	3.3	44
215	The CDAW-8 substorm event on 28 January 1983: A detailed global study. <i>Advances in Space Research</i> , 1988, 8, 113-118.	2.6	8
216	Simple models of time-dependent reconnection in a collision-free plasma with an application to substorms in the geomagnetic tail. <i>Planetary and Space Science</i> , 1987, 35, 451-466.	1.7	31

#	ARTICLE	IF	CITATIONS
217	A note on current sheet stress balance in the geomagnetic tail for asymmetrical tail lobe plasma conditions. <i>Planetary and Space Science</i> , 1987, 35, 467-474.	1.7	15
218	Solar wind current sheets and deHoffmann-Teller analysis. First results from Solar Orbiter's DC electric field measurements. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	13
219	The angular-momentum flux in the solar wind observed during Solar Orbiter's first orbit. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	2
220	High-cadence measurements of electron pitch-angle distributions from Solar Orbiter SWA-EAS burst mode operations. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	5
221	In situ evidence of magnetic reconnection in turbulent plasma. , 0, .		1