

Christopher J Owen

List of Publications by Year in descending order

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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	The Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A1.	5.1	514
2	In situ evidence of magnetic reconnection in turbulent plasma. <i>Nature Physics</i> , 2007, 3, 235-238.	16.7	333
3	Geotail observations of magnetic flux ropes in the plasma sheet. <i>Journal of Geophysical Research</i> , 2003, 108, SMP 10-1.	3.3	285
4	Plasma Jet Braking: Energy Dissipation and Nonadiabatic Electrons. <i>Physical Review Letters</i> , 2011, 106, 165001.	7.8	193
5	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
6	Comprehensive study of the magnetospheric response to a hot flow anomaly. <i>Journal of Geophysical Research</i> , 1999, 104, 4577-4593.	3.3	169
7	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
8	The Solar Orbiter Solar Wind Analyser (SWA) suite. <i>Astronomy and Astrophysics</i> , 2020, 642, A16.	5.1	141
9	The Solar Orbiter magnetometer. <i>Astronomy and Astrophysics</i> , 2020, 642, A9.	5.1	136
10	Temporal evolution of the electric field accelerating electrons away from the auroral ionosphere. <i>Nature</i> , 2001, 414, 724-727.	27.8	132
11	Role of the magnetosheath flow in determining the motion of open flux tubes. <i>Journal of Geophysical Research</i> , 2001, 106, 18763-18775.	3.3	129
12	Transient and localized processes in the magnetotail: a review. <i>Annales Geophysicae</i> , 2008, 26, 955-1006.	1.6	112
13	Dynamics of thin current sheets associated with magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	109
14	Three spacecraft observations of solar wind discontinuities. <i>Geophysical Research Letters</i> , 2001, 28, 677-680.	4.0	107
15	The Energetic Particle Detector. <i>Astronomy and Astrophysics</i> , 2020, 642, A7.	5.1	107
16	Observations of Slow Electron Holes at a Magnetic Reconnection Site. <i>Physical Review Letters</i> , 2010, 105, 165002.	7.8	106
17	The structure of flux transfer events recovered from Cluster data. <i>Annales Geophysicae</i> , 2006, 24, 603-618.	1.6	97
18	Evolution of Kelvinâ€Helmholtz activity on the dusk flank magnetopause. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	95

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19	Evidence for reconnection at Saturn's magnetopause. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	94
20	Structure of the separatrix region close to a magnetic reconnection X-line: Cluster observations. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	88
21	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
22	Formation of Inner Structure of a Reconnection Separatrix Region. <i>Physical Review Letters</i> , 2006, 97, 205003.	7.8	83
23	Dynamics of thin current sheets: Cluster observations. <i>Annales Geophysicae</i> , 2007, 25, 1365-1389.	1.6	83
24	Cluster observations of an ionâ€scale current sheet in the magnetotail under the presence of a guide field. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	80
25	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12.	5.1	80
26	Cluster observations of traveling compression regions in the near-tail. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	79
27	Electron flatâ€top distributions around the magnetic reconnection region. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	78
28	Cluster electric current density measurements within a magnetic flux rope in the plasma sheet. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	77
29	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
30	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	5.1	67
31	ISEE 3 observations of plasmoids with flux rope magnetic topologies. <i>Geophysical Research Letters</i> , 1995, 22, 2061-2064.	4.0	65
32	Electron acceleration signatures in the magnetotail associated with substorms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	64
33	Cluster PEACE observations of electrons during magnetospheric flux transfer events. <i>Annales Geophysicae</i> , 2001, 19, 1509-1522.	1.6	63
34	Effects on magnetic reconnection of a density asymmetry across the current sheet. <i>Annales Geophysicae</i> , 2008, 26, 2471-2483.	1.6	63
35	From the Sun to the Earth: The 13 May 2005 Coronal Mass Ejection. <i>Solar Physics</i> , 2010, 265, 49-127.	2.5	63
36	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

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37	The lunar wake at 6.8 RL: WIND magnetic field observations. <i>Geophysical Research Letters</i> , 1996, 23, 1263-1266.	4.0	61
38	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
39	The evolution of solar wind strahl with heliospheric distance. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3858-3874.	2.4	61
40	The D-CIXS X-ray mapping spectrometer on SMART-1. <i>Planetary and Space Science</i> , 2003, 51, 427-433.	1.7	60
41	Study of near-Earth reconnection events with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	59
42	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
43	Magnetopause and Boundary Layer. <i>Space Science Reviews</i> , 2005, 118, 231-320.	8.1	56
44	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
45	Models and data analysis tools for the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A2.	5.1	53
46	Statistical characterization of the growth and spatial scales of the substorm onset arc. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8503-8516.	2.4	52
47	Multi-Spacecraft Study of the 21 January 2005 ICME. <i>Solar Physics</i> , 2007, 244, 139-165.	2.5	50
48	Thin current sheets in the deep geomagnetic tail. <i>Geophysical Research Letters</i> , 1993, 20, 2427-2430.	4.0	49
49	In situ spatiotemporal measurements of the detailed azimuthal substructure of the substorm current wedge. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 927-946.	2.4	49
50	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
51	Coordinated Cluster/Double Star observations of dayside reconnection signatures. <i>Annales Geophysicae</i> , 2005, 23, 2867-2875.	1.6	47
52	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
53	Cluster observations of surface waves on the dawn flank magnetopause. <i>Annales Geophysicae</i> , 2004, 22, 971-983.	1.6	45
54	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

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55	Source of whistler emissions at the dayside magnetopause. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	44
56	Motion of flux transfer events: a test of the Cooling model. <i>Annales Geophysicae</i> , 2007, 25, 1669-1690.	1.6	44
57	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
58	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
59	The plasma sheet and boundary layers under northward IMF: A multi-point and multi-instrument perspective. <i>Advances in Space Research</i> , 2008, 41, 1619-1629.	2.6	42
60	Cluster PEACE observations of electron pressure tensor divergence in the magnetotail. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	40
61	Observations of an active thin current sheet. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
62	A physical explanation for the magnetic decrease ahead of dipolarization fronts. <i>Annales Geophysicae</i> , 2015, 33, 1301-1309.	1.6	40
63	Cluster observations of flux transfer events at the dayside high-latitude magnetopause. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	39
64	Coordinated interhemispheric SuperDARN radar observations of the ionospheric response to flux transfer events observed by the Cluster spacecraft at the high-latitude magnetopause. <i>Annales Geophysicae</i> , 2003, 21, 1807-1826.	1.6	39
65	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
66	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
67	ISTP observations of plasmoid ejection: IMP 8 and Geotail. <i>Journal of Geophysical Research</i> , 1998, 103, 119-133.	3.3	36
68	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007, 25, 1709-1720.	1.6	36
69	Flow shear near the boundary of the plasma sheet observed by Cluster and Geotail. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	35
70	Cluster at the Magnetospheric Cusps. <i>Space Science Reviews</i> , 2005, 118, 321-366.	8.1	35
71	Computing the reconnection rate at the Earth's magnetopause using two spacecraft observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	35
72	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

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73	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
74	Cluster four spacecraft measurements of small traveling compression regions in the near-tail. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	33
75	Cluster observations of flux rope structures in the near-tail. <i>Annales Geophysicae</i> , 2006, 24, 651-666.	1.6	33
76	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
77	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
78	PLASMOID RELEASES IN THE HELIOSPHERIC CURRENT SHEET AND ASSOCIATED CORONAL HOLE BOUNDARY LAYER EVOLUTION. <i>Astrophysical Journal</i> , 2011, 737, 16.	4.5	32
79	Sources of electron pitch angle anisotropy in the magnetotail plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6042-6054.	2.4	32
80	Determining the Kappa Distributions of Space Plasmas from Observations in a Limited Energy Range. <i>Astrophysical Journal</i> , 2018, 864, 3.	4.5	32
81	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
82	Temperature anisotropies in a magnetospheric FTE. <i>Geophysical Research Letters</i> , 1992, 19, 1907-1910.	4.0	31
83	Separatrix regions of magnetic reconnection at the magnetopause. <i>Annales Geophysicae</i> , 2009, 27, 4039-4056.	1.6	31
84	Cluster observations of currents in the plasma sheet during reconnection. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	30
85	The geometric factor of electrostatic plasma analyzers: A case study from the Fast Plasma Investigation for the Magnetospheric Multiscale mission. <i>Review of Scientific Instruments</i> , 2012, 83, 033303.	1.3	30
86	AXIOM: advanced X-ray imaging of the magnetosphere. <i>Experimental Astronomy</i> , 2012, 33, 403-443.	3.7	30
87	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
88	Current sheet structure and kinetic properties of plasma flows during a near-Earth magnetic reconnection under the presence of a guide field. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3265-3287.	2.4	29
89	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
90	The Apparent Layered Structure of the Heliospheric Current Sheet: Multi-Spacecraft Observations. <i>Solar Physics</i> , 2009, 259, 389-416.	2.5	28

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91	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
92	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
93	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
94	Detection and monitoring of earthquake precursors: TwinSat, a Russiaâ€“UK satellite project. <i>Advances in Space Research</i> , 2013, 52, 1135-1145.	2.6	24
95	Solar source of energetic particles in interplanetary space during the 2006 December 13 event. <i>Astronomy and Astrophysics</i> , 2009, 503, 1013-1021.	5.1	24
96	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
97	Corotating Magnetic Reconnection Site in Saturnâ€™s Magnetosphere. <i>Astrophysical Journal Letters</i> , 2017, 846, L25.	8.3	23
98	Scientific rationale for the D-CIXS X-ray spectrometer on board ESA's SMART-1 mission to the Moon. <i>Planetary and Space Science</i> , 2003, 51, 435-442.	1.7	22
99	Investigating the observational signatures of magnetic cloud substructure. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	20
100	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
101	Flux rope and dynamics of the heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2022, 659, A110.	5.1	20
102	Prediction of Earth arrival times of interplanetary southward magnetic field turnings. <i>Journal of Geophysical Research</i> , 2001, 106, 30001-30009.	3.3	19
103	Multiple harmonic ULF waves in the plasma sheet boundary layer observed by Cluster. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	19
104	Three-dimensional magnetic reconnection in particle-in-cell simulations of anisotropic plasma turbulence. <i>Journal of Plasma Physics</i> , 2021, 87, .	2.1	19
105	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
106	Viscously driven plasma flows in the deep geomagnetic tail. <i>Geophysical Research Letters</i> , 1992, 19, 1443-1446.	4.0	18
107	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. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	18
108	Cross-scale: multi-scale coupling in space plasmas. <i>Experimental Astronomy</i> , 2009, 23, 1001-1015.	3.7	18

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109	The Impact of Turbulent Solar Wind Fluctuations on Solar Orbiter Plasma Proton Measurements. <i>Astrophysical Journal</i> , 2019, 886, 101.	4.5	18
110	Observations of two complete substorm cycles during the Cassini Earth swing-by: Cassini magnetometer data in a global context. <i>Journal of Geophysical Research</i> , 2001, 106, 30141-30175.	3.3	17
111	Cluster electron observations of the separatrix layer during traveling compression regions. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	17
112	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
113	Coordination of the in situ payload of Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2020, 642, A5.	5.1	17
114	TC1 and Cluster observation of an FTE on 4 January 2005: A close conjunction. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	16
115	Near-simultaneous magnetotail flux rope observations with Cluster and Double Star. <i>Annales Geophysicae</i> , 2007, 25, 1887-1897.	1.6	16
116	“Crater” flux transfer events: Highroad to the X line?. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	16
117	First near-relativistic solar electron events observed by EPD onboard Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, L3.	5.1	16
118	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
119	Remote sensing of a magnetotail reconnection X-line using polar rain electrons. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	15
120	Downward current electron beam observed by Cluster and FAST. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	15
121	Cluster observations of the substructure of a flux transfer event: analysis of high-time-resolution particle data. <i>Annales Geophysicae</i> , 2014, 32, 1093-1117.	1.6	15
122	Current reduction in a pseudo“breakup event: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8178-8187.	2.4	15
123	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
124	A Model for the Distant Tail Field: ISEE 3 Revisited. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 455-471.	0.9	15
125	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
126	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

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127	The relationship between $\langle v \rangle$ and $\langle v^2 \rangle$ in the magnetotail plasma sheet: Cluster observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	14
128	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
129	Directly comparing coronal and solar wind elemental fractionation. <i>Astronomy and Astrophysics</i> , 2020, 640, A28.	5.1	14
130	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
131	Evolution of the plasmoid-lobe interaction with downtail distance. <i>Geophysical Research Letters</i> , 1994, 21, 2765-2768.	4.0	13
132	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
133	Cluster observations of the midaltitude cusp under strong northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	13
134	Active Region Modulation of Coronal Hole Solar Wind. <i>Astrophysical Journal</i> , 2019, 887, 146.	4.5	13
135	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
136	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
137	Solar Orbiter observations of the Kelvin-Helmholtz waves in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A12.	5.1	13
138	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
139	On the structure of field-aligned currents in the mid-altitude cusp. <i>Annales Geophysicae</i> , 2006, 24, 3391-3401.	1.6	12
140	Electron structure of the magnetopause boundary layer: Cluster/Double Star observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	12
141	Solar Orbiter Strategies for EMC Control and Verification. , 2019, , .		12
142	Radial Evolution of Sunward Strahl Electrons in the Inner Heliosphere. <i>Solar Physics</i> , 2020, 295, 1.	2.5	12
143	Determining the Bulk Parameters of Plasma Electrons from Pitch-Angle Distribution Measurements. <i>Entropy</i> , 2020, 22, 103.	2.2	12
144	Whistler instability driven by the sunward electron deficit in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A31.	5.1	12

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145	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
146	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
147	On the multispacecraft determination of periodic surface wave phase speeds and wavelengths. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
148	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
149	Temporal evolution and electric potential structure of the auroral acceleration region from multispacecraft measurements. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
150	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
151	Local field-aligned currents in the magnetotail and ionosphere as observed by a Cluster, Double Star, and MIRACLE conjunction. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	10
152	An indication of the existence of a solar wind strahl at 10% AU. <i>Geophysical Research Letters</i> , 2013, 40, 2495-2499.	4.0	10
153	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
154	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
155	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
156	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
157	Alfvén: magnetosphere-ionosphere connection explorers. <i>Experimental Astronomy</i> , 2012, 33, 445-489.	3.7	9
158	Substructures within a dipolarization front revealed by high-temporal resolution Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5185-5202.	2.4	9
159	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
160	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
161	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
162	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

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