

Berndt Klecker

List of Publications by Year in descending order

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273
papers

11,516
citations

28274

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39675

94
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275
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275
docs citations

275
times ranked

3299
citing authors

#	ARTICLE	IF	CITATIONS
1	First multispacecraft ion measurements in and near the Earth's magnetosphere with the identical Cluster ion spectrometry (CIS) experiment. <i>Annales Geophysicae</i> , 2001, 19, 1303-1354.	1.6	1,040
2	Direct observation of He ⁺ pick-up ions of interstellar origin in the solar wind. <i>Nature</i> , 1985, 318, 426-429.	27.8	386
3	The Plasma and Suprathermal Ion Composition (PLASTIC) Investigation on the STEREO Observatories. <i>Space Science Reviews</i> , 2008, 136, 437-486.	8.1	360
4	Motion of the dipolarization front during a flow burst event observed by Cluster. <i>Geophysical Research Letters</i> , 2002, 29, 3-1-3-4.	4.0	355
5	CELIAS - Charge, Element and Isotope Analysis System for SOHO. <i>Solar Physics</i> , 1995, 162, 441-481.	2.5	272
6	Extended magnetic reconnection at the Earth's magnetopause from detection of bi-directional jets. <i>Nature</i> , 2000, 404, 848-850.	27.8	212
7	Relativistic electron acceleration and decay time scales in the inner and outer radiation belts: SAMPEX. <i>Geophysical Research Letters</i> , 1994, 21, 409-412.	4.0	211
8	THE CLUSTER ION SPECTROMETRY (CIS) EXPERIMENT. <i>Space Science Reviews</i> , 1997, 79, 303-350.	8.1	209
9	Electric current and magnetic field geometry in flapping magnetotail current sheets. <i>Annales Geophysicae</i> , 2005, 23, 1391-1403.	1.6	171
10	Comet Giacobini-Zinner: In Situ Observations of Energetic Heavy Ions. <i>Science</i> , 1986, 232, 366-369.	12.6	148
11	The heavy-ion compositional signature in He-3-rich solar particle events. <i>Astrophysical Journal</i> , 1986, 303, 849.	4.5	142
12	The mean ionic charge of silicon in He-3-rich solar flares. <i>Astrophysical Journal</i> , 1987, 317, 951.	4.5	141
13	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5574-5592.	2.4	136
14	ANISOTROPIC THREE-DIMENSIONAL FOCUSED TRANSPORT OF SOLAR ENERGETIC PARTICLES IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2010, 709, 912-919.	4.5	135
15	Evolution of dipolarization in the near-Earth current sheet induced by Earthward rapid flux transport. <i>Annales Geophysicae</i> , 2009, 27, 1743-1754.	1.6	129
16	Cluster observations of continuous reconnection at the magnetopause under steady interplanetary magnetic field conditions. <i>Annales Geophysicae</i> , 2004, 22, 2355-2367.	1.6	118
17	Ionic charge states of N, Ne, Mg, Si and S in solar energetic particle events. <i>Advances in Space Research</i> , 1984, 4, 161-164.	2.6	113
18	New high temporal and spatial resolution measurements by SAMPEX of the precipitation of relativistic electrons. <i>Advances in Space Research</i> , 1996, 18, 171-186.	2.6	113

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19	The Energetic Particle Detector. <i>Astronomy and Astrophysics</i> , 2020, 642, A7.	5.1	107
20	Cometary pickup ions observed near Giacobini-Zinner. <i>Geophysical Research Letters</i> , 1986, 13, 251-254.	4.0	104
21	Contribution of nonadiabatic ions to the cross-tail current in an O ⁺ -dominated thin current sheet. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	104
22	The structure of flux transfer events recovered from Cluster data. <i>Annales Geophysicae</i> , 2006, 24, 603-618.	1.6	97
23	Four-spacecraft determination of magnetopause orientation, motion and thickness: comparison with results from single-spacecraft methods. <i>Annales Geophysicae</i> , 2004, 22, 1347-1365.	1.6	95
24	Satellite anomalies linked to electron increase in the magnetosphere. <i>Eos</i> , 1994, 75, 401.	0.1	94
25	ICMEs in the Inner Heliosphere: Origin, Evolution and Propagation Effects. <i>Space Science Reviews</i> , 2006, 123, 383-416.	8.1	91
26	The Nuclear and Ionic Charge Distribution Particle Experiments on the ISEE-1 and ISEE-C Spacecraft. , 1978, 16, 166-175.		87
27	The Ionic Charge of Solar Energetic Particles with Energies of 0.3–70 MeV per Nucleon. <i>Astrophysical Journal</i> , 1997, 477, 495-501.	4.5	87
28	Detection of 55–80 keV Hydrogen Atoms of Heliospheric Origin by CELIAS/HSTOF on SOHO. <i>Astrophysical Journal</i> , 1998, 503, 916-922.	4.5	86
29	The Cluster Ion Spectrometry (CIS) Experiment. , 1997, , 303-350.		86
30	Statistical analysis of diffuse ion events upstream of the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1994, 99, 13389.	3.3	83
31	Reconstruction of two-dimensional magnetopause structures from Cluster observations: verification of method. <i>Annales Geophysicae</i> , 2004, 22, 1251-1266.	1.6	81
32	Ion composition and pressure changes in storm time and nonstorm substorms in the vicinity of the near-Earth neutral line. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	81
33	HILT: a heavy ion large area proportional counter telescope for solar and anomalous cosmic rays. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1993, 31, 542-548.	6.3	80
34	Energy dependence of the ionic charge state distribution during the November 1997 solar energetic particle event. <i>Geophysical Research Letters</i> , 1999, 26, 145-148.	4.0	79
35	The Solar Origin of Corotating Interaction Regions and Their Formation in the Inner Heliosphere. <i>Space Science Reviews</i> , 1999, 89, 141-178.	8.1	78
36	Cusp as a source for oxygen in the plasma sheet during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	78

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37	Pitch angle distributions of energetic protons near the Earth's bow shock. <i>Geophysical Research Letters</i> , 1979, 6, 707-710.	4.0	76
38	The HIA instrument on board the Tan Ce 1 Double Star near-equatorial spacecraft and its first results. <i>Annales Geophysicae</i> , 2005, 23, 2757-2774.	1.6	76
39	Production of gyrating ions from nonlinear wave-particle interaction upstream from the Earth's bow shock: A case study from Cluster-CIS. <i>Planetary and Space Science</i> , 2003, 51, 785-795.	1.7	75
40	A multispacecraft study of the injection and transport of solar energetic particles. <i>Astrophysical Journal</i> , 1987, 322, 1052.	4.5	74
41	Optimal reconstruction of magnetopause structures from Cluster data. <i>Annales Geophysicae</i> , 2005, 23, 973-982.	1.6	73
42	The energy spectra of solar flare hydrogen, helium, oxygen, and iron - Evidence for stochastic acceleration. <i>Astrophysical Journal</i> , 1992, 401, 398.	4.5	72
43	H ⁺ and O ⁺ content of the plasma sheet at 15-19 Re as a function of geomagnetic and solar activity. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	71
44	ELECTROMAGNETIC WAVES NEAR THE PROTON CYCLOTRON FREQUENCY: STEREO OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 786, 123.	4.5	66
45	Electric field measurements on Cluster: comparing the double-probe and electron drift techniques. <i>Annales Geophysicae</i> , 2006, 24, 275-289.	1.6	64
46	Multi-scale magnetic field intermittence in the plasma sheet. <i>Annales Geophysicae</i> , 2003, 21, 1955-1964.	1.6	62
47	On the altitude dependence of transversely heated O ⁺ distributions in the cusp/left. <i>Annales Geophysicae</i> , 2004, 22, 1787-1798.	1.6	62
48	Interaction of interstellar pick-up ions with the solar wind. <i>Astrophysics and Space Science</i> , 1988, 144, 487-505.	1.4	62
49	The charge state of the anomalous component of cosmic rays. <i>Astrophysical Journal</i> , 1991, 375, L45.	4.5	62
50	A burst of energetic O ⁺ ions during an upstream particle event. <i>Geophysical Research Letters</i> , 1986, 13, 1372-1375.	4.0	61
51	The Time-of-Flight Spectrometer SULEICA for Ions of the Energy Range 5-270 keV/Charge on AMPTE IRM. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1985, GE-23, 274-279.	6.3	60
52	Direct determination of the ionic charge distribution of helium and iron in He-3-rich solar energetic particle events. <i>Astrophysical Journal</i> , 1984, 281, 458.	4.5	60
53	Impulsive acceleration and scatter-free transport of about 1 MeV per nucleon ions in (He-3)-rich solar particle events. <i>Astrophysical Journal</i> , 1989, 339, 529.	4.5	60
54	Charge states of energetic (~0.5 MeV/n) ions in corotating interaction regions at 1 AU and implications on source populations. <i>Geophysical Research Letters</i> , 2002, 29, 1.	4.0	59

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55	Solar wind measurements with SOHO: The CELIAS/MTOF proton monitor. <i>Journal of Geophysical Research</i> , 1998, 103, 17205-17213.	3.3	58
56	Case studies of the dynamics of ionospheric ions in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	58
57	Comparison of helium and heavy ion spectra in He-3-rich solar flares with model calculations based on stochastic Fermi acceleration in Alfvén turbulence. <i>Astrophysical Journal</i> , 1982, 259, 397.	4.5	56
58	Initial observations of low energy charged particles near the Earth's bow shock on ISEE-1. <i>Space Science Reviews</i> , 1979, 23, 93.	8.1	55
59	Characteristics of high altitude oxygen ion energization and outflow as observed by Cluster: a statistical study. <i>Annales Geophysicae</i> , 2006, 24, 1099-1112.	1.6	55
60	Abundances and spectra of suprathermal H ⁺ , He ⁺⁺ and heavy ions in a fast moving plasma structure (plasmoid) in the distant Geotail. <i>Geophysical Research Letters</i> , 1984, 11, 603-606.	4.0	54
61	Hydromagnetic Wave Excitation Upstream of an Interplanetary Traveling Shock. <i>Astrophysical Journal</i> , 2004, 601, L99-L102.	4.5	52
62	Evidence for impulsive solar wind plasma penetration through the dayside magnetopause. <i>Annales Geophysicae</i> , 2003, 21, 457-472.	1.6	51
63	Energetic Particle Observations. <i>Space Science Reviews</i> , 2006, 123, 217-250.	8.1	51
64	Multi-spacecraft observations of diffuse ions upstream of Earth's bow shock. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	50
65	Charge state of anomalous cosmic-ray nitrogen, oxygen, and neon: SAMPEX observations. <i>Astrophysical Journal</i> , 1995, 442, L69.	4.5	50
66	Upstream particle events close to the bow shock and 200 R _E upstream: ISEE-1 and ISEE-3 observations. <i>Geophysical Research Letters</i> , 1980, 7, 73-76.	4.0	48
67	Solar wind Fe and CNO measurements in high-speed flows. <i>Journal of Geophysical Research</i> , 1986, 91, 4133-4141.	3.3	48
68	Title is missing!. <i>Space Science Reviews</i> , 1998, 86, 449-495.	8.1	48
69	Characteristics of the near-tail dawn magnetopause and boundary layer. <i>Annales Geophysicae</i> , 2005, 23, 1481-1497.	1.6	48
70	The return of the anomalous cosmic rays to 1 AU in 1992. <i>Geophysical Research Letters</i> , 1993, 20, 2263-2266.	4.0	47
71	Relativistic electron precipitation enhancements near the outer edge of the radiation belt. <i>Geophysical Research Letters</i> , 1995, 22, 1129-1132.	4.0	47
72	Localized fast flow disturbance observed in the plasma sheet and in the ionosphere. <i>Annales Geophysicae</i> , 2005, 23, 553-566.	1.6	47

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73	Cluster multispacecraft observations at the high-latitude duskside magnetopause: implications for continuous and component magnetic reconnection. <i>Annales Geophysicae</i> , 2005, 23, 461-473.	1.6	46
74	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6458-6479.	2.4	45
75	Solar wind iron charge states preceding a driver plasma. <i>Journal of Geophysical Research</i> , 1987, 92, 12069-12081.	3.3	44
76	Magnetospheric response to magnetic cloud (coronal mass ejection) events: Relativistic electron observations from SAMPEX and Polar. <i>Journal of Geophysical Research</i> , 1999, 104, 24885-24894.	3.3	43
77	On the source and acceleration of energetic He ⁺ : A long-term observation with ACE/SEPICA. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	43
78	Energetic α -dependent Charge States and Their Connection with Ion Abundances in Impulsive Solar Energetic Particle Events. <i>Astrophysical Journal</i> , 2008, 687, 623-634.	4.5	43
79	The 3-D Plasma Distribution Function Analyzers with Time-of-Flight Mass Discrimination for Cluster, FAST, and Equator-S. <i>Geophysical Monograph Series</i> , 0, , 243-248.	0.1	43
80	Cluster observations of a field aligned current at the dawn flank of a bursty bulk flow. <i>Annales Geophysicae</i> , 2007, 25, 1405-1415.	1.6	43
81	Energetic (>100 keV) O ⁺ ions in the plasma sheet. <i>Geophysical Research Letters</i> , 1984, 11, 504-507.	4.0	42
82	The Composition of Energetic Particles in Corotating Events. <i>Astrophysical Journal</i> , 1979, 227, 323.	4.5	42
83	Evidence for solar wind origin of energetic heavy ions in the Earth's radiation belt. <i>Geophysical Research Letters</i> , 1978, 5, 1055-1057.	4.0	41
84	The anomalous component of cosmic rays in the 3-D heliosphere. <i>Space Science Reviews</i> , 1995, 72, 419-430.	8.1	41
85	Anomalous cosmic ray oxygen gradients throughout the heliosphere. <i>Geophysical Research Letters</i> , 1995, 22, 341-344.	4.0	41
86	Species dependent energies in upward directed ion beams over auroral arcs as observed with FAST TEAMS. <i>Geophysical Research Letters</i> , 1998, 25, 2029-2032.	4.0	41
87	Multi-instrument observations of the ionospheric counterpart of a bursty bulk flow in the near-Earth plasma sheet. <i>Annales Geophysicae</i> , 2004, 22, 1061-1075.	1.6	41
88	Spectral and compositional variations of low energy ions during an energetic storm particle event. <i>Astrophysical Journal</i> , 1981, 251, 393.	4.5	41
89	Average flow between $\sim 470 R_E$ and $\sim 220 R_E$ in the geomagnetic tail. <i>Geophysical Research Letters</i> , 1984, 11, 343-346.	4.0	40
90	Discovery of energetic molecular ions (NO ⁺ and O ₂ ⁺) in the storm time ring current. <i>Geophysical Research Letters</i> , 1986, 13, 632-635.	4.0	40

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91	Spatial variations in the suprathermal ion distributions during substorms in the plasma sheet. <i>Journal of Geophysical Research</i> , 1990, 95, 18871-18885.	3.3	40
92	FAST observations of preferentially accelerated He ⁺ in association with auroral electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 1998, 25, 2049-2052.	4.0	40
93	Testing electric field models using ring current ion energy spectra from the Equator-S ion composition (ESIC) instrument. <i>Annales Geophysicae</i> , 1999, 17, 1611-1621.	1.6	39
94	An assessment of the role of the centrifugal acceleration mechanism in high altitude polar cap oxygen ion outflow. <i>Annales Geophysicae</i> , 2008, 26, 145-157.	1.6	38
95	Temporal Evolution of the Solar Wind Bulk Velocity at Solar Minimum by Correlating the STEREO A and B PLASTIC Measurements. <i>Solar Physics</i> , 2009, 256, 365-377.	2.5	37
96	Ionic Charge States of Solar Energetic Particles: A Clue to the Source. <i>Space Science Reviews</i> , 2007, 130, 273-282.	8.1	35
97	Bow shock specularly reflected ions in the presence of low-frequency electromagnetic waves: a case study. <i>Annales Geophysicae</i> , 2004, 22, 2325-2335.	1.6	34
98	Cluster Observes the High-Altitude CUSP Region. <i>Surveys in Geophysics</i> , 2005, 26, 135-175.	4.6	34
99	The abundances of hydrogen, helium, oxygen, and iron accelerated in large solar particle events. <i>Astrophysical Journal</i> , 1993, 404, 810.	4.5	34
100	Origin, Injection, and Acceleration of CIR Particles: Observations Report of Working Group 6. <i>Space Science Reviews</i> , 1999, 89, 327-367.	8.1	33
101	The structure of high altitude O ⁺ energization and outflow: a case study. <i>Annales Geophysicae</i> , 2004, 22, 2497-2506.	1.6	33
102	Transition from substorm growth to substorm expansion phase as observed with a radial configuration of ISTP and Cluster spacecraft. <i>Annales Geophysicae</i> , 2005, 23, 2183-2198.	1.6	33
103	Flow burst-induced Kelvin-Helmholtz waves in the terrestrial magnetotail. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	33
104	Characteristics of suprathermal H ⁺ and He ⁺ in plasmoids in the distant magnetotail. <i>Geophysical Research Letters</i> , 1984, 11, 1030-1033.	4.0	32
105	Cluster survey of the mid-altitude cusp: 1. size, location, and dynamics. <i>Annales Geophysicae</i> , 2006, 24, 3011-3026.	1.6	32
106	Venus tail ray observation near Earth. <i>Geophysical Research Letters</i> , 1997, 24, 1163-1166.	4.0	31
107	Response of the inner magnetosphere and the plasma sheet to a sudden impulse. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	31
108	The anomalous component of low-energy cosmic rays: A comparison of observed spectra with model calculations. <i>Journal of Geophysical Research</i> , 1977, 82, 5287-5291.	3.3	30

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109	Anomalous Cosmic Rays. <i>Space Science Reviews</i> , 1998, 83, 259-308.	8.1	30
110	Iron freeze-in temperatures measured by SOHO/CELIAS/CTOF. <i>Journal of Geophysical Research</i> , 1998, 103, 17215-17222.	3.3	30
111	Scattering of field-aligned beam ions upstream of Earth's bow shock. <i>Annales Geophysicae</i> , 2007, 25, 785-799.	1.6	30
112	Inflow direction of interstellar neutrals deduced from pickup ion measurements at 1 AU. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
113	A statistical analysis of heliospheric plasma sheets, heliospheric current sheets, and sector boundaries observed in situ by STEREO. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8721-8732.	2.4	30
114	Seed population for about 1 MeV per nucleon heavy ions accelerated by interplanetary shocks. <i>Astrophysical Journal</i> , 1989, 345, 572.	4.5	29
115	Direct evidence of the interstellar gas flow velocity in the pickup ion cut-off as observed with SOHO CELIAS CTOF. <i>Geophysical Research Letters</i> , 1999, 26, 3181-3184.	4.0	28
116	Observation of energy-dependent ionic charge states in impulsive solar energetic particle events. <i>Advances in Space Research</i> , 2006, 38, 493-497.	2.6	28
117	Solar Energetic Particle Charge States: An Overview. <i>Space Science Reviews</i> , 2007, 124, 289-301.	8.1	28
118	Elemental composition of the January 6, 1997, CME. <i>Geophysical Research Letters</i> , 1998, 25, 2557-2560.	4.0	27
119	Compressional waves in the Earth's neutral sheet. <i>Annales Geophysicae</i> , 2004, 22, 303-315.	1.6	27
120	Multipoint observations of ionic structures in the plasmasphere by CLUSTER CIS and comparisons with IMAGE-EUV observations and with model simulations. <i>Geophysical Monograph Series</i> , 2005, , 23-53.	0.1	27
121	Survey of energetic O ⁺ ions near the dayside mid-latitude magnetopause with Cluster. <i>Annales Geophysicae</i> , 2005, 23, 1281-1294.	1.6	27
122	Plasma flow channels with ULF waves observed by Cluster and Double Star. <i>Annales Geophysicae</i> , 2005, 23, 2929-2935.	1.6	27
123	Direct observation of charge state abundances of energetic He, C, O, and Fe emitted in solar flares. <i>Advances in Space Research</i> , 1981, 1, 61-64.	2.6	26
124	Anisotropies and flows of suprathermal particles in the distant magnetotail: ISEE 3 observations. <i>Geophysical Research Letters</i> , 1983, 10, 1203-1206.	4.0	26
125	Evidence of a Two-Temperature Source Region in the ³ He-Rich Solar Energetic Particle Event of 2000 May 1. <i>Astrophysical Journal</i> , 2007, 671, 947-954.	4.5	26
126	On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	26

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127	Testing linear theory of EMIC waves in the inner magnetosphere: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1004-1027.	2.4	26
128	Multispacecraft observations of energetic ions upstream and downstream of the bow shock. <i>Geophysical Research Letters</i> , 1989, 16, 571-574.	4.0	25
129	Energetic particle characteristics of magnetotail flux ropes. <i>Geophysical Research Letters</i> , 1985, 12, 191-194.	4.0	24
130	The Time-of-Flight Energy, Angle, Mass Spectrograph (Teams) Experiment for Fast. <i>Space Science Reviews</i> , 2001, 98, 197-219.	8.1	24
131	Properties of a bifurcated current sheet observed on 29 August 2001. <i>Annales Geophysicae</i> , 2004, 22, 2535-2540.	1.6	24
132	The evolution of flux pileup regions in the plasma sheet: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6279-6290.	2.4	24
133	Energy dependence and temporal evolution of the He-3/He-4 ratios in heavy-ion-rich energetic particle events. <i>Astrophysical Journal</i> , 1980, 238, 768.	4.5	24
134	Observation of lithium pickup ions in the 5 to 20 keV energy range following the Ampte solar wind releases. <i>Journal of Geophysical Research</i> , 1986, 91, 1325-1332.	3.3	23
135	High-beta plasma blobs in the morningside plasma sheet. <i>Annales Geophysicae</i> , 1999, 17, 1592-1601.	1.6	23
136	Equator-S observations of He+energization by EMIC waves in the dawnside equatorial magnetosphere. <i>Geophysical Research Letters</i> , 2002, 29, 74-1-74-4.	4.0	23
137	Experimental investigation of auroral generator regions with conjugate Cluster and FAST data. <i>Annales Geophysicae</i> , 2006, 24, 619-635.	1.6	23
138	Observations of concentrated generator regions in the nightside magnetosphere by Cluster/FAST conjunctions. <i>Annales Geophysicae</i> , 2006, 24, 637-649.	1.6	23
139	In Situ Observations of Solar Wind Stream Interface Evolution. <i>Solar Physics</i> , 2009, 259, 323-344.	2.5	23
140	Heavy ion effects on substorm loading and unloading in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2101-2112.	2.4	23
141	Acceleration of O+ from the cusp to the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1022-1034.	2.4	23
142	Acceleration and Transport Modeling of Solar Energetic Particle Charge States for the Event of 1998 September 9. <i>Astrophysical Journal</i> , 2006, 645, 1516-1524.	4.5	23
143	Compressional Pc5 type pulsations in the morningside plasma sheet. <i>Annales Geophysicae</i> , 2001, 19, 311-320.	1.6	22
144	Evidence for the braking of flow bursts as they propagate toward the Earth. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9004-9018.	2.4	22

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145	Multipoint observations of ions in the 30–160 keV energy range upstream of the Earth's bow shock. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	21
146	Survey of He(+)/He(2+) abundance ratios in energetic particle events. <i>Astrophysical Journal</i> , 1984, 282, L39.	4.5	21
147	Coincidence of heliospheric current sheet and stream interface: Implications for the origin and evolution of the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 19-29.	2.4	20
148	Quantifying the Contribution of Microbursts to Global Electron Loss in the Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1111-1124.	2.4	20
149	Cusp structures: combining multi-spacecraft observations with ground-based observations. <i>Annales Geophysicae</i> , 2003, 21, 2031-2041.	1.6	20
150	FAST/TEAMS observations of charge exchange signatures in ions mirroring at low altitudes. <i>Geophysical Research Letters</i> , 1998, 25, 2085-2088.	4.0	19
151	Multi-scale analysis of turbulence in the Earth's current sheet. <i>Annales Geophysicae</i> , 2004, 22, 2525-2533.	1.6	19
152	Cluster and Double Star observations of dipolarization. <i>Annales Geophysicae</i> , 2005, 23, 2915-2920.	1.6	19
153	Transients in oxygen outflow above the polar cap as observed by the Cluster spacecraft. <i>Annales Geophysicae</i> , 2008, 26, 3365-3373.	1.6	19
154	Auroral arc and oval electrodynamic in the Harang region. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
155	Composition and energy spectra of cosmic rays between 0.6 and 24 MeV per nucleon during quiet times - Transition from a solar to the anomalous component. <i>Astrophysical Journal</i> , 1977, 212, 290.	4.5	19
156	Observation of Electrons from the Decay of Solar Flare Neutrons. <i>Astrophysical Journal</i> , 1996, 464, L87-L90.	4.5	19
157	Cluster survey of the mid-altitude cusp – Part 2: Large-scale morphology. <i>Annales Geophysicae</i> , 2009, 27, 1875-1886.	1.6	18
158	Singly charged energetic helium emitted in solar flares. <i>Astrophysical Journal</i> , 1981, 246, L81.	4.5	18
159	Temporal development of the energetic particle composition during solar flares. <i>Journal of Geophysical Research</i> , 1978, 83, 3349-3354.	3.3	17
160	On the charge state of the anomalous oxygen component. <i>Geophysical Research Letters</i> , 1980, 7, 1033-1036.	4.0	17
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